# Dixon Products List

DIXON

The Right Connection®

2022



DPL122

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# ⚠WARNING

**Before purchasing Dixon® products, you should be aware and make your customers aware of certain warnings. Such warnings are found on page 1103 and the inside back cover of the catalog.**

## Table of Contents


### King Crimp® Fittings



Male and female fittings, ferrules and crimp sleeves, combination nipples, couplers, coupling inserts **A** pgs. 4-17

### Cam & Groove



Dixon®, Boss-Lock, EZ Boss-Lock, EZLink®, swaged-on, phonograph finish, reducing couplers, adapters, gaskets, replacement handles, accessories, Strap-Grip **B** pgs. 18-90

### Engineered Fluid Transfer Couplings



Dry disconnect couplers and adapters, safety breakaways, fluid nozzles, API couplers, vapor recovery couplers, pipe caps, drop elbows, swivel joints, railroad unloading assemblies, ADS fluid controls **C** pgs. 91-150

### Boss®



Boss ground joint and washer type couplings, male and LP stems, Boss clamps, air hammer fittings, hammer unions **D** pgs. 151-178

### Pneumatic Fittings



Sand blast couplings, Surelock™ hose ends, Dix-Lock® Dual-Lock, Air Chief industrial and automotive male and female fittings, Parker E-Z mate industrial couplers, air brake fittings **E** pgs. 179-258

### Pneumatic Accessories



King safety cables, air receiver manifolds, FRL's, blow guns, gauges, thermometers, air tool lubricant, mufflers, vents, manifolds **F** pgs. 259-356

### Shank Water Fittings



Menders, nipples, suction couplings, foot valves, strainers, skimmers, long and short fittings, spray hose couplings, quick connects, inserts **G** pgs. 357-391

### Washdown and Garden Hose Accessories



Menders, nozzles, quick-connects, hose, swivels, hose barbs fittings, forged valves, couplers, coil hose, screens, straight through's **H** pgs. 392-424

### Brass Fittings



Hose stations, nozzles, garden hose fittings, shank fittings, ferrules, crimping tools, pressure gun and accessories, grease whip assemblies, push-on fittings, short shank fittings **I** pgs. 425-458

### Clamps



Worm gear clamps, t-bolt clamps, single and double bolt clamps, spiral clamps, clamp hand tools, single and double ear clamps, band clamps **J** pgs. 459-479

### Hydraulic Couplings, Adapters, and Valves



### Holedall® Fittings



DIXON
The Right Connection®

# Table of Contents


## Sanitary / Hygienic Fittings



Clamp fittings, weld fittings, bevel seat fittings, John Perry, Q-Line and I-line fittings, buttweld fittings, tube O.D. fittings, hangers, ball valves, butterfly valves, check valves **M** pgs. 594-749

## Fire Hose, Fittings, and Accessories



Hose, reels, connections, wrenches, hydrant adapters, swivels, nipples, valves, thermoplastic, nozzles, Storz fittings, LDH hardware **N** pgs. 750-873

## Valves



Ball valves, mini ball valves, industrial wafer ball valves, nozzle valves, butterfly valves, flow control valves, needle valves **O** pgs. 874-916

## Pipe, Weld, and Tube Fittings



NPT threaded pipe fittings, pipe nipples, swage nipples, hammer unions, instrumentation fittings, SAE flare fittings, push to connect fittings **P** pgs. 917-997

## Plastic Fittings and Tubing



Quick disconnect fittings, PVC tubing, tubing cutters, Tuff-Lite® nylon and polypropylene hose fittings, acetal fittings, push-in fittings **Q** pgs. 998-1011

## PTFE Hose and Fittings



Nominal fittings, true I.D. fittings, smooth bore PTFE conductive and non-conductive hose, open pitch convoluted hose, heavy wall true I.D. smooth bore hose **R** pgs. 1012-1018

## Tank Truck Fittings



Tight and loose fill couplers and adapters, shank couplings, pipe caps, sight flow indicators, reducers and adapters for tank trucks, hose swivels, hose nozzles, rack cords, dry disconnects, nozzles **S** pgs. 1019-1052

## Maintenance and Repair




Thread tape and sealant, hydrostatic test pumps, spill kits, grease whip hose assemblies and fittings, oxy-acetylene fittings, torque wrenches **T** pgs. 1053-1070

## Dixon Retail Displays



Retail displays for pressure washer, garden hose, pneumatic, hydraulic, and outside air products **U** pgs. 1071-1101

## Safety and Technical



Dixon hose coupling workshop, SOS van, safety information, corrosion resistance of coupling material, thread information, flange dimensions, conversion charts **V** pgs. 1102-1143

## Index

Part number and product description index **W** pgs.


A B C D E F G H I J K L M N O P Q R S T U V

## Cam & Groove



Venting EZ Boss-Lock
page 24



Swivel Couplings
page 25



EZ Boss-Lock Type C Jump Size Couplers
page 56



Type F 15° Elbows
page 60

## Engineered Fluid Transfer Couplings



5500-Series API Couplers
page 139



Bayonet Style Dry Disconnects
pages 96 - 97



A240-Series Ground Verification Monitor
page 148



A540-Series Ground Clamp and Junction Box
page 148

## Pneumatic Accessories



Whip Hose Assemblies
page 265



Series 1 FRLs
B17 Filter / Regulator
page 328

## Shank Water Fittings



Flexible Strainers
page 390

## Washdown and Garden Hose Accessories



Heavy-Duty Hot Water Nozzle
page 413

## Hydraulic Couplings, Adapters, and Valves



XK-Series
Hydraulic Couplings
page 511



High-Pressure Clear Zinc
Ball Valve
page 561

## Holedall® Fittings



Crimp Fuel Couplings
page 584

## Sanitary / Hygienic Fittings



Clever Clamp™
page 595



Sanitary Filtration Housing System
pages 727

## Fire Hose Fittings and Accessories



Viper™ Nozzles
page 794



Storz Live Swivel
page 824

## Pipe, Weld, and Tube Fittings



Boss® Ductile Flanges
page 955

## Tank Truck



EZ Boss-Lock Vapor Recovery
Coupler with Probe x TTMA Flange
page 1034

## Dixon Retail Displays



Hydraulic and Outside Air Display
pages 1090, 1094

A

## King Crimp ..... 5 - 17

Crimp working pressure chart ..... 5
Type C ..... 6
Type E ..... 7
Global type C ..... 7
Global type E ..... 8
Combination nipples ..... 9
- Threaded end. ..... 9
- Grooved end. ..... 9
- Beveled end. ..... 9
- FJIC. ..... 9

King Crimp style flanges ..... 10
- 150# ASA fixed flanges ..... 10
- Nipples x TTMA flanges ..... 10
- Nipples for floating flanges ..... 10

Sanitary stems ..... 11
Short combination nipples ..... 11
Short ferrules ..... 11
Combination nipples, heavy-duty, threaded end ..... 12
Heavy-duty ferrules ..... 12
Ferrules ..... 13 - 14
Sleeves ..... 15 - 16
Large sleeves ..... 17

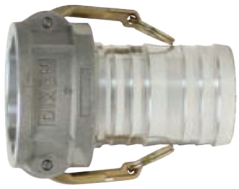
## Crimp Working Pressure Chart

| Size | Temperature | Fitting | Clamp | Working Pressure PSIG |
|---|---|---|---|---|
| 1" | Ambient | STC10CS | sleeve | 400 |
| | **160°F (71°C)** | | | 270 |
| | **180°F (82°C)** | | | 250 |
| | **250°F (121°C)** | | | 200 |
| | Ambient | STC10CS | ferrule | 400 |
| | **160°F (71°C)** | | | 270 |
| | **180°F (82°C)** | | | 250 |
| | **250°F (121°C)** | | | 200 |
| | Ambient | 100-C/E | sleeve | 250 |
| | **160°F (71°C)** | | | 242 |
| | **180°F (82°C)** | | | 240 |
| | **250°F (121°C)** | | | 200 |
| | Ambient | 100-C/E | ferrule | 250 |
| | **160°F (71°C)** | | | 242 |
| | **180°F (82°C)** | | | 240 |
| | **250°F (121°C)** | | | 200 |
| 1-1/2" | Ambient | STC20CS | sleeve | 300 |
| | **160°F (71°C)** | | | 225 |
| | **180°F (82°C)** | | | 200 |
| | **250°F (121°C)** | | | 100 |
| | Ambient | STC20CS | ferrule | 350 |
| | **160°F (71°C)** | | | 225 |
| | **180°F (82°C)** | | | 200 |
| | **250°F (121°C)** | | | 150 |
| | Ambient | 150-C/E | sleeve | 250 |
| | **160°F (71°C)** | | | 200 |
| | **180°F (82°C)** | | | 100 |
| | **250°F (121°C)** | | | 75 |
| | Ambient | 150-C/E | ferrule | 250 |
| | **160°F (71°C)** | | | 200 |
| | **180°F (82°C)** | | | 150 |
| | **250°F (121°C)** | | | 100 |
| 2" | Ambient | STC25CS | sleeve | 250 |
| | **160°F (71°C)** | | | 150 |
| | **180°F (82°C)** | | | 125 |
| | **250°F (121°C)** | | | 80 |
| | Ambient | STC25CS | ferrule | 300 |
| | **160°F (71°C)** | | | 239 |
| | **180°F (82°C)** | | | 225 |
| | **250°F (121°C)** | | | 100 |
| | Ambient | 200-C/E | sleeve | 250 |
| | **160°F (71°C)** | | | 100 |
| | **180°F (82°C)** | | | 50 |
| | **250°F (121°C)** | | | 50 |
| | Ambient | 200-C/E | ferrule | 250 |
| | **160°F (71°C)** | | | 100 |
| | **180°F (82°C)** | | | 100 |

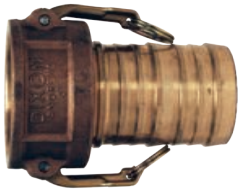
| Size | Temperature | Fitting | Clamp | Working Pressure PSIG |
|---|---|---|---|---|
| 3" | Ambient | STC35CS | sleeve | 200 |
| | **160°F (71°C)** | | | 140 |
| | **180°F (82°C)** | | | 100 |
| | **250°F (121°C)** | | | 75 |
| | Ambient | STC35CS | ferrule | 300 |
| | **160°F (71°C)** | | | 218 |
| | **180°F (82°C)** | | | 200 |
| | **250°F (121°C)** | | | 100 |
| | Ambient | 300-C/E | sleeve | 125 |
| | **160°F (71°C)** | | | 100 |
| | **180°F (82°C)** | | | 60 |
| | **250°F (121°C)** | | | 55 |
| | Ambient | 300-C/E | ferrule | 150 |
| | **160°F (71°C)** | | | 125 |
| | **180°F (82°C)** | | | 100 |
| | **250°F (121°C)** | | | 75 |
| 4" | Ambient | STC40CS | sleeve | 175 |
| | **160°F (71°C)** | | | 100 |
| | **180°F (82°C)** | | | 100 |
| | **250°F (121°C)** | | | 50 |
| | Ambient | STC40CS | ferrule | 300 |
| | **160°F (71°C)** | | | 218 |
| | **180°F (82°C)** | | | 200 |
| | **250°F (121°C)** | | | 100 |
| | Ambient | 400-C/E | sleeve | 110 |
| | **160°F (71°C)** | | | 75 |
| | **180°F (82°C)** | | | 60 |
| | **250°F (121°C)** | | | 50 |
| | Ambient | 400-C/E | ferrule | 150 |
| | **160°F (71°C)** | | | 75 |
| | **180°F (82°C)** | | | 75 |
| | **250°F (121°C)** | | | 75 |
| 6" | Ambient | STC60CS | sleeve | 75 |
| | **160°F (71°C)** | | | --- |
| | **180°F (82°C)** | | | --- |
| | **250°F (121°C)** | | | --- |
| | Ambient | STC60CS | ferrule | 230 |
| | **160°F (71°C)** | | | --- |
| | **180°F (82°C)** | | | --- |
| | **250°F (121°C)** | | | --- |
| | Ambient | 600-C/E | sleeve | 75 |
| | **160°F (71°C)** | | | --- |
| | **180°F (82°C)** | | | --- |
| | **250°F (121°C)** | | | --- |
| | Ambient | 600-C/E | ferrule | 75 |
| | **160°F (71°C)** | | | --- |
| | **180°F (82°C)** | | | --- |

## Dixon® Cam & Groove Type C

### Coupler x Hose Shank



356T6 aluminum



brass



316 stainless steel



unplated ductile iron

**Features**

- Finger rings are not supplied on 1" Dixon couplings
- Couplers are supplied standard with a nitrile rubber gasket; other gasket types are available on pages 68 - 71
- Use Dixon replacement handles only

| Hose I.D. | 356T6 Aluminum Part # | Brass Part # | 316 Stainless Steel Part # | Unplated Ductile Iron Part # |
|---|---|---|---|---|
| 1" | 100-C-AL | 100-C-BR | 100-C-SS• | --- |
| 1-1/2" | 150-C-AL | 150-C-BR | 150-C-SS | 150-C-MI [1] |
| 2" | 200-C-AL | 200-C-BR | 200-C-SS | 200-C-MI |
| 3" | 300-C-AL | 300-C-BR | 300-C-SS | 300-C-MI |
| 4" | 400-C-AL | 400-C-BR | 400-C-SS | 400-C-MI |
| 6" | 600-C-AL | 600-C-BR | 600-C-SS | 600-C-MI |

[1] Malleable iron

NOTE: Only use the crimp style shanks with the crimp style sleeves and ferrules. Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturers' products with Dixon products.

## EZ Boss-Lock Cam & Groove Type C

### Coupler x Hose Shank




**Feature**

- Couplers are supplied standard with a nitrile rubber gasket; other gasket types are available on pages 68 - 71

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | RC100EZCR |
| 1-1/4" | RC125EZCR |
| 1-1/2" | RC150EZCR |
| 2" | RC200EZCR |
| 3" | RC300EZCR |
| 4" | RC400EZCR |
| 6" | RC600EZCR |

NOTE: Under no circumstances should the EZ Boss-Lock cam arms be used on any fitting not specifically designed for their use. See page 20 for further specifications.

## Dixon® Type E Adapters

### Adapter x Hose Shank

Pressure rating is based on the seal of the mating part. See ratings on page 20.

| Hose I.D. | 356T6 Aluminum Part # | Brass Part # | 316 Stainless Steel Part # | Unplated Ductile Iron Part # |
|---|---|---|---|---|
| 1" | 100-E-AL | 100-E-BR | 100-E-SS | --- |
| 1-1/2" | 150-E-AL | 150-E-BR | 150-E-SS | --- |
| 2" | 200-E-AL | 200-E-BR | 200-E-SS | --- |
| 3" | 300-E-AL | 300-E-BR | 300-E-SS | 300-E-MI |
| 4" | 400-E-AL | 400-E-BR | 400-E-SS | 400-E-MI |
| 6" | 600-E-AL | 600-E-BR | 600-E-SS | 600-E-MI |


356T6 aluminum


brass


316 stainless steel


unplated ductile iron

## Global Crimp Style Cam & Groove Type C

### Coupler x Hose Shank

**Features**
- All couplers are supplied with safety clips
- Couplers are supplied standard with a nitrile rubber gasket; other gasket types are available on pages 68 - 71
- Use global replacement handles only

Only use the crimp style shanks with the crimp style sleeves and ferrules.
Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturers' products with Dixon products.

| Hose I.D. | A380 Permanent Mold Aluminum Part # | C38000 Forged Brass Part # | 316 Investment Cast Stainless Part # |
|---|---|---|---|
| 1" | G100-C-ALCR | G100-C-BRCR | G100-C-SSCR |
| 1-1/2" | G150-C-ALCR | G150-C-BRCR | G150-C-SSCR |
| 2" | G200-C-ALCR | G200-C-BRCR | G200-C-SSCR |
| 3" | G300-C-ALCR | G300-C-BRCR | G300-C-SSCR |
| 4" | G400-C-ALCR | G400-C-BRCR | G400-C-SSCR |
| 6" | G600-C-ALCR | --- | G600-C-SSCR |


A380 permanent mold aluminum


C38000 forged brass

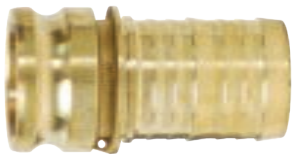

316 investment cast stainless

## Global Crimp Style Cam & Groove Type E

### Adapter x Hose Shank



A380 permanent mold aluminum



C38000 forged brass



316 investment cast stainless

Only use the crimp style shanks with the crimp style sleeves and ferrules.
Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturers' products with Dixon® products. Pressure rating is based on the seal of the mating part. See ratings on page 20.

| Hose I.D. | A380 Permanent Mold Aluminum Part # | C38000 Forged Brass Part # | 316 Investment Cast Stainless Steel Part # |
|---|---|---|---|
| 1" | G100-E-ALCR | G100-E-BRCR | G100-E-SSCR |
| 1-1/2" | G150-E-ALCR | G150-E-BRCR | G150-E-SSCR |
| 2" | G200-E-ALCR | G200-E-BRCR | G200-E-SSCR |
| 3" | G300-E-ALCR | G300-E-BRCR | G300-E-SSCR |
| 4" | G400-E-ALCR | G400-E-BRCR | G400-E-SSCR |
| 6" | G600-E-ALCR | --- | G600-E-SSCR |

# King Crimp Style Combination Nipples

## Threaded End

**Feature**

- There are two grooves on the crimp style King combination nipples. The second groove is the roll stamp groove, which has the part number and "call Dixon®" stamped on it. This groove is a smooth concentric groove so that the stamp is legible.



| Hose I.D. | Schedule 80 Plated Carbon Steel Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1" | STC10CS | RST10CS |
| 1-1/4" | STC15CS | RST15CS |
| 1-1/2" | STC20CS | RST20CS |
| 2" | STC25CS | RST25CS |
| 2-1/2" | STC30CS | RST30CS |
| 3" | STC35CS | RST35CS |
| 4" | STC40CS | RST40CS |
| 6" | STC60CS | RST60CS |

NOTE: For 8" options see page 11.

## Grooved End

**Feature**

- There are two grooves on the crimp style King combination nipples. The second groove is the roll stamp groove, which has the part number and "call Dixon" stamped on it. This groove is a smooth concentric groove so that the stamp is legible.



| Hose I.D. | Schedule 80 Plated Carbon Steel Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1" | STV10CS | RSTV10CS |
| 1-1/2" | STV20CS | RSTV20CS |
| 2" | STV25CS | RSTV25CS |
| 2-1/2" | STV30CS | RSTV30CS |
| 3" | STV35CS | RSTV35CS |
| 4" | STV40CS | RSTV40CS |
| 6" | STV60CS | RSTV60CS |

## Beveled End

**Feature**

- There are two grooves on the crimp style King combination nipples. The second groove is the roll stamp groove, which has the part number and "call Dixon" stamped on it. This groove is a smooth concentric groove so that the stamp is legible.



| Hose I.D. | Schedule 80 Carbon Steel Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1" | STB10CS | RSTB10CS |
| 1-1/2" | STB20CS | RSTB20CS |
| 2" | STB25CS | RSTB25CS |
| 2-1/2" | STB30CS | RSTB30CS |
| 3" | STB35CS | RSTB35CS |
| 4" | STB40CS | RSTB40CS |
| 6" | STB60CS | RSTB60CS |

NOTE: For additional information on pipe dimensions please reference dixonvalve.com.

## FJIC



| Hose I.D. | Ambient Working Pressures @ 70°F (21°C) | | Carbon Steel Part # |
|---|---|---|---|
| | Sleeve | Ferrule | |
| 1" | **400** | **400** | SFJCT10CS |
| 1-1/2" | **300** | **350** | SFJCT20CS |
| 2" | **250** | **300** | SFJCT25CS |

Only use the crimp style shanks with the crimp style sleeves and ferrules. Due to differences in dimensions and tolerances for safety reasons, do not

# King Crimp Style

## 150# ASA Fixed (Welded) Flanges

Only use the crimp style shanks with the crimp style sleeves and ferrules. Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturers' products with Dixon® products.



stainless steel

**Features**

- There are two grooves on the crimp style King combination nipples. The second groove is the roll stamp groove, which has the part number and "call Dixon" stamped on it. This groove is a smooth concentric groove so that the stamp is legible.

| Size | Steel Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1-1/2" | FST20CS | RFST20CS |
| 2" | FST25CS | RFST25CS |
| 3" | FST35CS | RFST35CS |
| 4" | FST40CS | RFST40CS |
| 6" | FST60CS | RFST60CS |

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com. For additional information on pipe dimensions, please reference dixonvalve.com.



carbon steel

## Combination Nipple x TTMA Flanges

**Feature**

- To be used with King Crimp sleeves and/or ferrules



aluminum

| Size | Flange Thickness | Carbon Steel Part # | Aluminum Part # |
|---|---|---|---|
| 3" | 1/4" | TTFST35CS | --- |
| 3" | 3/8" | TTFST35CS-THK | --- |
| 4" | 5/16" | TTFST40CS | ATTFST40CS |
| 4" | 3/8" | TTFST40CS-THK | --- |

NOTE: For flange dimensions, diagrams and additional information please reference dixonvalve.com. For additional information on pipe dimensions please reference dixonvalve.com.

## Nipples for Floating Flanges



carbon steel

**Feature**

- To be used with King Crimp sleeves and/or ferrules

| Size | Plated Carbon Steel Part # | 316 Stainless Steel Part # |
|---|---|---|
| 2" | N25CS | RN25CS |
| 3" | N35CS | RN35CS |
| 4" | N40CS | RN40CS |
| 6" | N60CS | RN60CS |

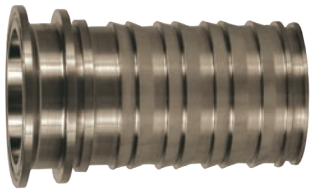
NOTE: To be used with LJ/LJR floating flanges on page 956.

# Dixon Sanitary King Crimp Stem

**Features**
- To be used with King Crimp sleeves and/or ferrules see pages 13-16
- Wetted surfaces meet governmental and independent regulatory standards only

### Clamp End x Hose Shank Stems

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | CSSR100CS |
| 1-1/2" | CSSR150CS |
| 2" | CSSR200CS |
| 3" | CSSR300CS |
| 4" | CSSR400CS |



### Female I-line x Hose Shank Stems

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | CILR100CS |
| 1-1/2" | CILR150CS |
| 2" | CILR200CS |
| 3" | CILR300CS |
| 4" | CILR400CS |



## King Crimp Style

### Short Combination Nipples - Threaded End

| Size | Schedule 40 Plated Carbon Steel Part # |
|---|---|
| 8" | STC80CS |



NOTE: For use with ferrules below

### Short Combination Nipples - Grooved End

| Size | Schedule 40 Plated Carbon Steel Part # |
|---|---|
| 8" | STV80CS |



NOTE: For additional information on pipe dimensions please reference dixonvalve.com.

### Short Ferrules

| Hose I.D. | Hose O.D. From | Hose O.D. To | Ferrule Wall Thickness | Ferrule I.D. | Ferrule Overall Length | Carbon Steel Part # |
|---|---|---|---|---|---|---|
| 8" | 8-29/64" | 8-36/64" | .120" | 8.625" | 4.25" | CFS800-1CS |
| | 8-37/64" | 8-44/64" | .120" | 8.750" | 4.25" | CFS800-2CS |
| | 8-45/64" | 8-52/64" | .120" | 8.875" | 4.25" | CFS800-3CS |
| | 8-53/64" | 8-60/64" | .120" | 9.000" | 4.25" | CFS800-4CS |
| | 8-61/64" | 9-4/64" | .120" | 9.125" | 4.25" | CFS800-5CS |
| | 9-5/64" | 9-12/64" | .120" | 9.250" | 4.25" | CFS800-6CS |
| | 9-13/64" | 9-20/64" | .120" | 9.375" | 4.25" | CFS800-7CS |
| | 9-21/64" | 9-28/64" | .120" | 9.500" | 4.25" | CFS800-8CS |



# King Crimp Style

## Combination Nipples - Heavy-Duty, Threaded End



### Application

- Used in the fast-paced transfer of water, chemicals, and sand slurry to a hydraulic fracturing site

### Features

- Water and petroleum transfer hoses rated from **100 to 300 PSI** WP (4:1 SF) have excellent test results with the standard King Crimp ferrules CF400-xxCS.
- **400 PSI** working pressure at **70°F (21°C)** when used with heavy-duty crimp ferrules (CF400-6CSHD through CF400-16CSHD)
- Used with ferrules below

| Size | Description | Schedule 80 Steel Part# |
|---|---|---|
| 4" | male NPT fitting | STC40CSHD |

## Ferrules - Heavy-Duty

Only use the crimp style shanks with the crimp style sleeves and ferrules. Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturers' products with Dixon® products.

### Features

- **400 PSI** working pressure with a minimum 4:1 safety factor (hose burst: hose working pressure) is only achieved with heavy-duty (HD) crimp ferrules, CF400-6CSHD through CF400-16CSHD using heavy duty King Crimp stem STC40CSHD



| Hose I.D. | Hose O.D. | | Ferrule Wall Thickness | Ferrule I.D. | Ferrule Overall Length | Carbon Steel Part # |
|---|---|---|---|---|---|---|
| | From | To | | | | |
| 4" | 4-33/64" | 4-36/64" | 0.120" | 4.625" | 4" | CF400-6CSHD |
| | 4-37/64" | 4-40/64" | 0.120" | 4.688" | 4" | CF400-7CSHD |
| | 4-41/64" | 4-44/64" | 0.120" | 4.750" | 4" | CF400-8CSHD |
| | 4-45/64" | 4-48/64" | 0.120" | 4.813" | 4" | CF400-9CSHD |
| | 4-49/64" | 4-52/64" | 0.120" | 4.875" | 4" | CF400-10CSHD |
| | 4-53/64" | 4-56/64" | 0.120" | 4.938" | 4" | CF400-11CSHD |
| | 4-57/64" | 4-60/64" | 0.120" | 5.000" | 4" | CF400-12CSHD |
| | 4-61/64" | 5" | 0.120" | 5.063" | 4" | CF400-13CSHD |
| | 5-1/64" | 5-4/64" | 0.120" | 5.125" | 4" | CF400-14CSHD |
| | 5-5/64" | 5-8/64" | 0.120" | 5.188" | 4" | CF400-15CSHD |
| | 5-9/64" | 5-12/64" | 0.120" | 5.250" | 4" | CF400-16CSHD |

## King Crimp Style Ferrules

**Only use the crimp style shanks with the crimp style sleeves and ferrules.** Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturers' products with Dixon® products.



| Hose I.D. | Hose O.D. | | Work. Pressure (PSI) | | Ferrule I.D. | Ferrule Wall Thickness | Ferrule Overall Length | Carbon Steel Part # | 304 Stainless Steel Part # |
|---|---|---|---|---|---|---|---|---|---|
| | From | To | cam & groove[1] | King Crimp nipple[2] | | | | | |
| 1" | 1-13/64" | 1-16/64" | * | * | 1.313" | .060" | 2-13/16" | CF100-1CS | CF100-1SS |
| | 1-17/64" | 1-20/64" | * | * | 1.375" | .060" | 2-13/16" | CF100-2CS | CF100-2SS |
| | 1-21/64" | 1-24/64" | * | * | 1.438" | .060" | 2-13/16" | CF100-3CS | CF100-3SS |
| | 1-25/64" | 1-28/64" | * | * | 1.500" | .060" | 2-13/16" | CF100-4CS | CF100-4SS |
| | 1-29/64" | 1-32/64" | * | * | 1.563" | .060" | 2-13/16" | CF100-5CS | CF100-5SS |
| | 1-33/64" | 1-36/64" | * | * | 1.625" | .060" | 2-13/16" | CF100-6CS | CF100-6SS |
| | 1-37/64" | 1-40/64" | * | * | 1.688" | .060" | 2-13/16" | CF100-7CS | CF100-7SS |
| | 1-41/64" | 1-44/64" | * | * | 1.750" | .060" | 2-13/16" | CF100-8CS | CF100-8SS |
| | 1-45/64" | 1-48/64" | * | * | 1.813" | .060" | 2-13/16" | CF100-9CS | CF100-9SS |
| | 1-49/64" | 1-52/64" | * | * | 1.875" | .060" | 2-13/16" | CF100-10CS | CF100-10SS |
| 1-1/4" | 1-41/64" | 1-44/64" | 250 | 350 | 1.750" | .060" | 2-13/16" | CF125-3CS | CF125-3SS |
| | 1-45/64" | 1-48/64" | 250 | 350 | 1.813" | .060" | 2-13/16" | CF125-4CS | CF125-4SS |
| | 1-49/64" | 1-52/64" | 250 | 350 | 1.875" | .060" | 2-13/16" | CF125-5CS | CF125-5SS |
| | 1-53/64" | 1-56/64" | 250 | 350 | 1.938" | .060" | 2-13/16" | CF125-6CS | CF125-6SS |
| 1-1/2" | 1-41/64" | 1-44/64" | 250 | 350 | 1.750" | .062" | 2-13/16" | CF150-1CS | CF150-1SS |
| | 1-45/64" | 1-48/64" | 250 | 350 | 1.813" | .060" | 2-13/16" | CF150-2CS | CF150-2SS |
| | 1-49/64" | 1-52/64" | 250 | 350 | 1.875" | .060" | 2-13/16" | CF150-3CS | CF150-3SS |
| | 1-53/64" | 1-56/64" | 250 | 350 | 1.938" | .060" | 2-13/16" | CF150-4CS | CF150-4SS |
| | 1-57/64" | 1-60/64" | 250 | 350 | 2.000" | .060" | 2-13/16" | CF150-5CS | CF150-5SS |
| | 1-61/64" | 2" | 250 | 350 | 2.063" | .060" | 2-13/16" | CF150-6CS | CF150-6SS |
| | 2-1/64" | 2-4/64" | 250 | 350 | 2.125" | .060" | 2-13/16" | CF150-7CS | CF150-7SS |
| | 2-5/64" | 2-8/64" | 250 | 350 | 2.188" | .060" | 2-13/16" | CF150-8CS | CF150-8SS |
| | 2-9/64" | 2-12/64" | 250 | 350 | 2.250" | .060" | 2-13/16" | CF150-9CS | CF150-9SS |
| | 2-13/64" | 2-16/64" | 250 | 350 | 2.313" | .060" | 2-13/16" | CF150-10CS | CF150-10SS |
| | 2-17/64" | 2-20/64" | 250 | 350 | 2.375" | .060" | 2-13/16" | CF150-11CS | CF150-11SS |
| | 2-21/64" | 2-24/64" | 250 | 350 | 2.438" | .060" | 2-13/16" | CF150-12CS | CF150-12SS |
| 2" | 2-13/64" | 2-16/64" | 250 | 300 | 2.313" | .060" | 3-1/8" | CF200-1CS | CF200-1SS |
| | 2-17/64" | 2-20/64" | 250 | 300 | 2.375" | .060" | 3-1/8" | CF200-2CS | CF200-2SS |
| | 2-21/64" | 2-24/64" | 250 | 300 | 2.438" | .060" | 3-1/8" | CF200-3CS | CF200-3SS |
| | 2-25/64" | 2-28/64" | 250 | 300 | 2.500" | .060" | 3-1/8" | CF200-4CS | CF200-4SS |
| | 2-29/64" | 2-32/64" | 250 | 300 | 2.563" | .060" | 3-1/8" | CF200-5CS | CF200-5SS |
| | 2-33/64" | 2-36/64" | 250 | 300 | 2.625" | .060" | 3-1/8" | CF200-6CS | CF200-6SS |
| | 2-37/64" | 2-40/64" | 250 | 300 | 2.688" | .060" | 3-1/8" | CF200-7CS | CF200-7SS |
| | 2-41/64" | 2-44/64" | 250 | 300 | 2.750" | .060" | 3-1/8" | CF200-8CS | CF200-8SS |
| | 2-45/64" | 2-48/64" | 250 | 300 | 2.813" | .060" | 3-1/8" | CF200-9CS | CF200-9SS |
| | 2-49/64" | 2-52/64" | 250 | 300 | 2.875" | .060" | 3-1/8" | CF200-10CS | CF200-10SS |
| | 2-53/64" | 2-56/64" | 250 | 300 | 2.938" | .060" | 3-1/8" | CF200-11CS | CF200-11SS |
| | 2-57/64" | 2-60/64" | 250 | 300 | 3.000" | .060" | 3-1/8" | CF200-12CS | CF200-12SS |
| 2-1/2" | 2-57/64" | 2-60/64" | --- | 300 | 3.000" | .060" | 3-1/2" | CF250-5CS | --- |
| | 2-61/64" | 3" | --- | 300 | 3.063" | .060" | 3-1/2" | CF250-6CS | --- |
| | 3-1/64" | 3-4/64" | --- | 300 | 3.125" | .060" | 3-1/2" | CF250-7CS | --- |
| | 3-5/64" | 3-8/64" | --- | 300 | 3.188" | .060" | 3-1/2" | CF250-8CS | --- |

* Consult Dixon at engineering@dixonvalve.com for pressure rating

1 Based on using crimp cam and groove shanks

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## King Crimp Style Ferrules

**Only use the crimp style shanks with the crimp style sleeves and ferrules.** Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturers' products with Dixon® products.

| Hose I.D. | Hose O.D. | | Work. Pressure (PSI) | | Ferrule I.D. | Ferrule Wall Thickness | Ferrule Overall Length | Carbon Steel Part # | 304 Stainless Steel Part # |
|---|---|---|---|---|---|---|---|---|---|
| | From | To | cam & groove[1] | King Crimp nipple[2] | | | | | |
| 3" | 3-13/64" | 3-16/64" | 150 | 300 | 3.313" | .090" | 4" | CF300-1CS | CF300-1SS |
| | 3-17/64" | 3-20/64" | 150 | 300 | 3.375" | .090" | 4" | CF300-2CS | CF300-2SS |
| | 3-21/64" | 3-24/64" | 150 | 300 | 3.438" | .090" | 4" | CF300-3CS | CF300-3SS |
| | 3-25/64" | 3-28/64" | 150 | 300 | 3.500" | .090" | 4" | CF300-4CS | CF300-4SS |
| | 3-29/64" | 3-32/64" | 150 | 300 | 3.563" | .090" | 4" | CF300-5CS | CF300-5SS |
| | 3-33/64" | 3-36/64" | 150 | 300 | 3.625" | .090" | 4" | CF300-6CS | CF300-6SS |
| | 3-37/64" | 3-40/64" | 150 | 300 | 3.688" | .090" | 4" | CF300-7CS | CF300-7SS |
| | 3-41/64" | 3-44/64" | 150 | 300 | 3.750" | .090" | 4" | CF300-8CS | CF300-8SS |
| | 3-45/64" | 3-48/64" | 150 | 300 | 3.813" | .090" | 4" | CF300-9CS | CF300-9SS |
| | 3-49/64" | 3-52/64" | 150 | 300 | 3.875" | .090" | 4" | CF300-10CS | CF300-10SS |
| | 3-53/64" | 3-56/64" | 150 | 300 | 3.938" | .090" | 4" | CF300-11CS | CF300-11SS |
| | 3-57/64" | 3-60/64" | 150 | 300 | 4.000" | .090" | 4" | CF300-12CS | CF300-12SS |
| | 3-61/64" | 4" | 150 | 300 | 4.063" | .090" | 4" | CF300-13CS | CF300-13SS |
| | 4-1/64" | 4-4/64" | 150 | 300 | 4.125" | .090" | 4" | CF300-14CS | CF300-14SS |
| | 4-5/64" | 4-8/64" | 150 | 300 | 4.188" | .090" | 4" | CF300-15CS | CF300-15SS |
| | 4-9/64" | 4-12/64" | 150 | 300 | 4.250" | .090" | 4" | CF300-16CS | CF300-16SS |
| 4" | 4-13/64" | 4-16/64" | 150 | 300 | 4.313" | .090" | 4" | CF400-1CS | CF400-1SS |
| | 4-17/64" | 4-20/64" | 150 | 300 | 4.375" | .090" | 4" | CF400-2CS | CF400-2SS |
| | 4-21/64" | 4-24/64" | 150 | 300 | 4.438" | .090" | 4" | CF400-3CS | CF400-3SS |
| | 4-25/64" | 4-28/64" | 150 | 300 | 4.500" | .090" | 4" | CF400-4CS | CF400-4SS |
| | 4-29/64" | 4-32/64" | 150 | 300 | 4.563" | .090" | 4" | CF400-5CS | CF400-5SS |
| | 4-33/64" | 4-36/64" | 150 | 300 | 4.625" | .090" | 4" | CF400-6CS | CF400-6SS |
| | 4-37/64" | 4-40/64" | 150 | 300 | 4.688" | .090" | 4" | CF400-7CS | CF400-7SS |
| | 4-41/64" | 4-44/64" | 150 | 300 | 4.750" | .090" | 4" | CF400-8CS | CF400-8SS |
| | 4-45/64" | 4-48/64" | 150 | 300 | 4.813" | .090" | 4" | CF400-9CS | CF400-9SS |
| | 4-49/64" | 4-52/64" | 150 | 300 | 4.875" | .090" | 4" | CF400-10CS | CF400-10SS |
| | 4-53/64" | 4-56/64" | 150 | 300 | 4.938" | .090" | 4" | CF400-11CS | CF400-11SS |
| | 4-57/64" | 4-60/64" | 150 | 300 | 5.000" | .090" | 4" | CF400-12CS | CF400-12SS |
| | 4-61/64" | 5" | 150 | 300 | 5.063" | .090" | 4" | CF400-13CS | CF400-13SS |
| | 5-1/64" | 5-4/64" | 150 | 300 | 5.125" | .090" | 4" | CF400-14CS | CF400-14SS |
| | 5-5/64" | 5-8/64" | 150 | 300 | 5.188" | .090" | 4" | CF400-15CS | CF400-15SS |
| | 5-9/64" | 5-12/64" | 150 | 300 | 5.250" | .090" | 4" | CF400-16CS | CF400-16SS |
| 6" | 6-21/64" | 6-28/64" | * | * | 6.500" | .120" | 5-7/8" | CF600-1CS | CF600-1SS |
| | 6-29/64" | 6-36/64" | * | * | 6.625" | .120" | 5-7/8" | CF600-2CS | CF600-2SS |
| | 6-37/64" | 6-44/64" | * | * | 6.750" | .120" | 5-7/8" | CF600-3CS | CF600-3SS |
| | 6-45/64" | 6-52/64" | * | * | 6.875" | .120" | 5-7/8" | CF600-4CS | CF600-4SS |
| | 6-53/64" | 6-60/64" | * | * | 7.000" | .120" | 5-7/8" | CF600-5CS | CF600-5SS |
| | 6-61/64" | 7-4/64" | * | * | 7.125" | .120" | 5-7/8" | CF600-6CS | CF600-6SS |
| | 7-5/64" | 7-12/64" | * | * | 7.250" | .120" | 5-7/8" | CF600-7CS | CF600-7SS |
| | 7-13/64" | 7-20/64" | * | * | 7.375" | .120" | 5-7/8" | CF600-8CS | CF600-8SS |
| | 7-21/64" | 7-28/64" | * | * | 7.500" | .120" | 5-7/8" | CF600-9CS | CF600-9SS |

* Consult Dixon at engineering@dixonvalve.com for pressure rating

[1] Based on using crimp cam and groove shanks

## King Crimp Style Sleeves

- **Only use the crimp style shanks with the crimp style sleeves and ferrules.** Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturers' products with Dixon® products.
- For liquid service only
- Not intended for steam service



| Hose I.D. | Hose O.D. | | Work. Pressure (PSI) | | Sleeve I.D. | Sleeve Wall Thick. | Sleeve Overall Length | Carbon Steel Part # | 304 Stainless Steel Part # | Aluminum Part # |
|---|---|---|---|---|---|---|---|---|---|---|
| | From | To | cam & groove[1] | King Crimp nipple[2] | | | | | | |
| 1" | 1-13/64" | 1-16/64" | * | * | 1.313" | .060" | 2-1/2" | CS100-1CS | CS100-1SS | --- |
| | 1-17/64" | 1-20/64" | * | * | 1.375" | .060" | 2-1/2" | CS100-2CS | CS100-2SS | CS100-2AL |
| | 1-21/64" | 1-24/64" | * | * | 1.438" | .060" | 2-1/2" | CS100-3CS | CS100-3SS | --- |
| | 1-25/64" | 1-28/64" | * | * | 1.500" | .060" | 2-1/2" | CS100-4CS | CS100-4SS | CS100-4AL |
| | 1-29/64" | 1-32/64" | * | * | 1.563" | .060" | 2-1/2" | CS100-5CS | CS100-5SS | --- |
| | 1-33/64" | 1-36/64" | * | * | 1.625" | .060" | 2-1/2" | CS100-6CS | CS100-6SS | CS100-6AL |
| | 1-37/64" | 1-40/64" | * | * | 1.688" | .060" | 2-1/2" | CS100-7CS | CS100-7SS | --- |
| | 1-41-64" | 1-44/64" | * | * | 1.750" | .060" | 2-1/2" | CS100-8CS | CS100-8SS | --- |
| | 1-45/64" | 1-48/64" | * | * | 1.813" | .060" | 2-1/2" | CS100-9CS | CS100-9SS | --- |
| | 1-49/64" | 1-52/64" | * | * | 1.875" | .060" | 2-1/2" | CS100-10CS | CS100-10SS | --- |
| 1-1/4" | 1-41/64" | 1-44/64" | **250** | **300** | 1.750" | .060" | 2-1/2" | CS125-3CS | CS125-3SS | --- |
| | 1-45/64" | 1-48/64" | **250** | **300** | 1.813" | .060" | 2-1/2" | CS125-4CS | CS125-4SS | --- |
| | 1-49/64" | 1-52/64" | **250** | **300** | 1.875" | .060" | 2-1/2" | CS125-5CS | CS125-5SS | --- |
| | 1-53/64" | 1-56/64" | **250** | **300** | 1.938" | .060" | 2-1/2" | CS125-6CS | CS125-6SS | --- |
| 1-1/2" | 1-41/64" | 1-44/64" | **250** | **300** | 1.750" | .060" | 2-1/2" | CS150-1CS | CS150-1SS | --- |
| | 1-45/64" | 1-48/64" | **250** | **300** | 1.813" | .060" | 2-1/2" | CS150-2CS | CS150-2SS | --- |
| | 1-49/64" | 1-52/64" | **250** | **300** | 1.875" | .060" | 2-1/2" | CS150-3CS | CS150-3SS | CS150-3AL |
| | 1-53/64" | 1-56/64" | **250** | **300** | 1.938" | .060" | 2-1/2" | CS150-4CS | CS150-4SS | --- |
| | 1-57/64" | 1-60/64" | **250** | **300** | 2.000" | .060" | 2-1/2" | CS150-5CS | CS150-5SS | --- |
| | 1-61/64" | 2" | **250** | **300** | 2.063" | .060" | 2-1/2" | CS150-6CS | CS150-6SS | --- |
| | 2-1/64" | 2-4/64" | **250** | **300** | 2.125" | .060" | 2-1/2" | CS150-7CS | CS150-7SS | CS150-7AL |
| | 2-5/64" | 2-8/64" | **250** | **300** | 2.188" | .060" | 2-1/2" | CS150-8CS | CS150-8SS | --- |
| | 2-9/64" | 2-12/64" | **250** | **300** | 2.250" | .060" | 2-1/2" | CS150-9CS | CS150-9SS | --- |
| | 2-13/64" | 2-16/64" | **250** | **300** | 2.313" | .060" | 2-1/2" | CS150-10CS | CS150-10SS | --- |
| | 2-17/64" | 2-20/64" | **250** | **300** | 2.375" | .060" | 2-1/2" | CS150-11CS | CS150-11SS | --- |
| | 2-21/64" | 2-24/64" | **250** | **300** | 2.438" | .060" | 2-1/2" | CS150-12CS | CS150-12SS | --- |
| 2" | 2-13/64" | 2-16/64" | **250** | **250** | 2.313" | .060" | 2-7/8" | CS200-1CS | CS200-1SS | --- |
| | 2-17/64" | 2-20/64" | **250** | **250** | 2.375" | .060" | 2-7/8" | CS200-2CS | CS200-2SS | --- |
| | 2-21/64" | 2-24/64" | **250** | **250** | 2.438" | .060" | 2-7/8" | CS200-3CS | CS200-3SS | --- |
| | 2-25/64" | 2-28/64" | **250** | **250** | 2.500" | .060" | 2-7/8" | CS200-4CS | CS200-4SS | CS200-4AL |
| | 2-29/64" | 2-32/64" | **250** | **250** | 2.563" | .060" | 2-7/8" | CS200-5CS | CS200-5SS | CS200-5AL |
| | 2-33/64" | 2-36/64" | **250** | **250** | 2.625" | .060" | 2-7/8" | CS200-6CS | CS200-6SS | CS200-6AL |
| | 2-37/64" | 2-40/64" | **250** | **250** | 2.688" | .060" | 2-7/8" | CS200-7CS | CS200-7SS | --- |
| | 2-41/64" | 2-44/64" | **250** | **250** | 2.750" | .060" | 2-7/8" | CS200-8CS | CS200-8SS | --- |
| | 2-45/64" | 2-48/64" | **250** | **250** | 2.813" | .060" | 2-7/8" | CS200-9CS | CS200-9SS | --- |
| | 2-49/64" | 2-52/64" | **250** | **250** | 2.875" | .060" | 2-7/8" | CS200-10CS | CS200-10SS | CS200-10AL |
| | 2-53/64" | 2-56/64" | **250** | **250** | 2.938" | .060" | 2-7/8" | CS200-11CS | CS200-11SS | CS200-11AL |
| | 2-57/64" | 2-60/64" | **250** | **250** | 3.000" | .060" | 2-7/8" | CS200-12CS | CS200-12SS | CS200-12AL |
| 2-1/2" | 2-57/64" | 2-60/64" | --- | * | 3.000" | .060" | 3-1/4" | CS250-5CS | --- | --- |
| | 2-61/64" | 3" | --- | * | 3.063" | .060" | 3-1/4" | CS250-6CS | --- | --- |
| | 3-1/64" | 3-4/64" | --- | * | 3.125" | .060" | 3-1/4" | CS250-7CS | --- | --- |
| | 3-5/64" | 3-8/64" | --- | * | 3.188" | .060" | 3-1/4" | CS250-8CS | --- | --- |

* Consult Dixon at engineering@dixonvalve.com for pressure rating

[1] Based on using crimp cam and groove shanks

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## King Crimp Style Sleeves

- **Only use the crimp style shanks with the crimp style sleeves and ferrules.** Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturers' products with Dixon® products.
- For liquid service only
- Not intended for steam service

| Hose I.D. | Hose O.D. From | Hose O.D. To | Work. Pressure (PSI) cam & groove[1] | Work. Pressure (PSI) King Crimp nipple[2] | Sleeve I.D. | Sleeve Wall Thick. | Sleeve Overall Length | Carbon Steel Part # | 304 Stainless Steel Part # | Aluminum Part # |
|---|---|---|---|---|---|---|---|---|---|---|
| 3" | 3-13/64" | 3-16/64" | 125 | 200 | 3.313" | .090" | 3-3/4" | CS300-1CS | CS300-1SS | --- |
| | 3-17/64" | 3-20/64" | 125 | 200 | 3.375" | .090" | 3-3/4" | CS300-2CS | CS300-2SS | --- |
| | 3-21/64" | 3-24/64" | 125 | 200 | 3.438" | .090" | 3-3/4" | CS300-3CS | CS300-3SS | --- |
| | 3-25/64" | 3-28/64" | 125 | 200 | 3.500" | .090" | 3-3/4" | CS300-4CS | CS300-4SS | --- |
| | 3-29/64" | 3-32/64" | 125 | 200 | 3.563" | .090" | 3-3/4" | CS300-5CS | CS300-5SS | CS300-5AL |
| | 3-33/64" | 3-36/64" | 125 | 200 | 3.625" | .090" | 3-3/4" | CS300-6CS | CS300-6SS | --- |
| | 3-37/64" | 3-40/64" | 125 | 200 | 3.688" | .090" | 3-3/4" | CS300-7CS | CS300-7SS | CS300-7AL |
| | 3-41/64" | 3-44/64" | 125 | 200 | 3.750" | .090" | 3-3/4" | CS300-8CS | CS300-8SS | CS300-8AL |
| | 3-45/64" | 3-48/64" | 125 | 200 | 3.813" | .090" | 3-3/4" | CS300-9CS | CS300-9SS | --- |
| | 3-49/64" | 3-52/64" | 125 | 200 | 3.875" | .090" | 3-3/4" | CS300-10CS | CS300-10SS | CS300-10AL |
| | 3-53/64" | 3-56/64" | 125 | 200 | 3.938" | .090" | 3-3/4" | CS300-11CS | CS300-11SS | --- |
| | 3-57/64" | 3-60/64" | 125 | 200 | 4.000" | .090" | 3-3/4" | CS300-12CS | CS300-12SS | CS300-12AL |
| | 3-61/64" | 4" | 125 | 200 | 4.063" | .090" | 3-3/4" | CS300-13CS | CS300-13SS | --- |
| | 4-1/64" | 4-4/64" | 125 | 200 | 4.125" | .090" | 3-3/4" | CS300-14CS | CS300-14SS | --- |
| | 4-5/64" | 4-8/64" | 125 | 200 | 4.188" | .090" | 3-3/4" | CS300-15CS | CS300-15SS | --- |
| | 4-9/64" | 4-12/64" | 125 | 200 | 4.250" | .090" | 3-3/4" | CS300-16CS | CS300-16SS | --- |
| 4" | 4-13/64" | 4-16/64" | 110 | 175 | 4.313" | .090" | 3-3/4" | CS400-1CS | CS400-1SS | --- |
| | 4-17/64" | 4-20/64" | 110 | 175 | 4.375" | .090" | 3-3/4" | CS400-2CS | CS400-2SS | --- |
| | 4-21/64" | 4-24/64" | 110 | 175 | 4.438" | .090" | 3-3/4" | CS400-3CS | CS400-3SS | --- |
| | 4-25/64" | 4-28/64" | 110 | 175 | 4.500" | .090" | 3-3/4" | CS400-4CS | CS400-4SS | --- |
| | 4-29/64" | 4-32/64" | 110 | 175 | 4.563" | .090" | 3-3/4" | CS400-5CS | CS400-5SS | --- |
| | 4-33/64" | 4-36/64" | 110 | 175 | 4.625" | .090" | 3-3/4" | CS400-6CS | CS400-6SS | --- |
| | 4-37/64" | 4-40/64" | 110 | 175 | 4.688" | .090" | 3-3/4" | CS400-7CS | CS400-7SS | --- |
| | 4-41/64" | 4-44/64" | 110 | 175 | 4.750" | .090" | 3-3/4" | CS400-8CS | CS400-8SS | --- |
| | 4-45/64" | 4-48/64" | 110 | 175 | 4.813" | .090" | 3-3/4" | CS400-9CS | CS400-9SS | --- |
| | 4-49/64" | 4-52/64" | 110 | 175 | 4.875" | .090" | 3-3/4" | CS400-10CS | CS400-10SS | CS400-10AL |
| | 4-53/64" | 4-56/64" | 110 | 175 | 4.938" | .090" | 3-3/4" | CS400-11CS | CS400-11SS | CS400-11AL |
| | 4-57/64" | 4-60/64" | 110 | 175 | 5.000" | .090" | 3-3/4" | CS400-12CS | CS400-12SS | CS400-12AL |
| | 4-61/64" | 5" | 110 | 175 | 5.063" | .090" | 3-3/4" | CS400-13CS | CS400-13SS | --- |
| | 5-1/64" | 5-4/64" | 110 | 175 | 5.125" | .090" | 3-3/4" | CS400-14CS | CS400-14SS | --- |
| | 5-5/64" | 5-8/64" | 110 | 175 | 5.188" | .090" | 3-3/4" | CS400-15CS | CS400-15SS | --- |
| | 5-9/64" | 5-12/64" | 110 | 175 | 5.250" | .090" | 3-3/4" | CS400-16CS | CS400-16SS | --- |
| 6" | 6-21/64" | 6-28/64" | * | * | 6.500" | .120" | 5-1/2" | CS600-1CS | CS600-1SS | --- |
| | 6-29/64" | 6-36/64" | * | * | 6.625" | .120" | 5-1/2" | CS600-2CS | CS600-2SS | --- |
| | 6-37/64" | 6-44/64" | * | * | 6.750" | .120" | 5-1/2" | CS600-3CS | CS600-3SS | --- |
| | 6-45/64" | 6-52/64" | * | * | 6.875" | .120" | 5-1/2" | CS600-4CS | CS600-4SS | --- |
| | 6-53/64" | 6-60/64" | * | * | 7.000" | .120" | 5-1/2" | CS600-5CS | CS600-5SS | --- |
| | 6-61/64" | 7-4/64" | * | * | 7.125" | .120" | 5-1/2" | CS600-6CS | CS600-6SS | --- |
| | 7-5/64" | 7-12/64" | * | * | 7.250" | .120" | 5-1/2" | CS600-7CS | CS600-7SS | --- |
| | 7-13/64" | 7-20/64" | * | * | 7.375" | .120" | 5-1/2" | CS600-8CS | CS600-8SS | --- |
| | 7-21/64" | 7-28/64" | * | * | 7.500" | .120" | 5-1/2" | CS600-9CS | CS600-9SS | --- |

* Consult Dixon at engineering@dixonvalve.com for pressure rating

1 Based on using crimp cam and groove shanks

# King Crimp Style

## Large Sleeves

| Hose I.D. | Sleeve I.D. | Sleeve Wall Thickness | Sleeve Overall Length | Carbon Steel Part # |
|---|---|---|---|---|
| 6" | 6.44" | 0.120" | 5.50" | S6438X550X120CS |
| | 7.00" | 0.120" | 4.00" | S700X400X120CS |
| | 7.00" | 0.120" | 6.00" | S700X600X120CS |
| 8" | 8.30" | 0.120" | 8.75" | S830X875X120CS |
| | 8.38" | 0.120" | 6.00" | S838X600X120CS |
| | 8.50" | 0.120" | 6.50" | S850X650X120CS |
| | 8.75" | 0.120" | 6.00" | S875X600X120CS |
| | 8.98" | 0.120" | 8.75" | S898X875X120CS |
| | 9.00" | 0.090" | 4.00" | S900X400X090CS |
| | 9.00" | 0.120" | 4.00" | S900X400X120CS |
| | 9.00" | 0.120" | 6.00" | S900X600X120CS |
| | 9.10" | 0.120" | 4.00" | S910X400X120CS |
| | 9.12" | 0.120" | 6.00" | S912X600X120CS |
| | 9.15" | 0.120" | 6.00" | S915X600X120CS |
| | 9.25" | 0.120" | 4.00" | S925X400X120CS |
| | 9.25" | 0.120" | 6.00" | S925X600X120CS |
| | 9.50" | 0.120" | 4.00" | S950X400X120CS |
| | 9.50" | 0.120" | 6.00" | S950X600X120CS |
| | 9.75" | 0.120" | 6.00" | S975X600X120CS |
| 10" | 10.25" | 0.120" | 7.50" | S1025X750X120CS |
| | 10.50" | 0.120" | 7.50" | S1050X750X120CS |
| | 11.00" | 0.120" | 6.00" | S1100X600X120CS |
| | 11.25" | 0.120" | 7.50" | S1125X750X120CS |
| | 11.75" | 0.120" | 6.00" | S1175X600X120CS |
| | 11.75" | 0.120" | 7.50" | S1175X750X120CS |
| 12" | 12.44" | 0.120" | 9.00" | S1244X900X120CS |
| | 12.75" | 0.120" | 8.00" | S1275X800X120CS |
| | 13.25" | 0.120" | 7.50" | S1325X750X120CS |
| | 13.25" | 0.120" | 8.00" | S1325X800X120CS |
| | 13.25" | 0.120" | 9.50" | S1325X950X120CS |
| | 13.75" | 0.120" | 7.50" | S1375X750X120CS |
| 14" | 14.00" | 0.120" | 8.00" | S1400X800X120CS |
| | 14.00" | 0.120" | 9.50" | S1400x950X120CS |



NOTE: Consult Dixon® for additional sleeve sizes

B


**Cam & Groove Information ..... 20 - 23**

**Venting EZ Boss-Lock ..... 24**
Type B ..... 24
Type C ..... 24
Type D ..... 24
Type H ..... 24

**Swivel Couplings ..... 25**
Type A ..... 25
Type C ..... 25
Type D ..... 25
Type E ..... 25

**King Crimp® System ..... 26**

**EZLink® Armless ..... 27 - 28**
Type B ..... 27
Type C ..... 27
Type D ..... 27
Type DC ..... 28
Replacement parts ..... 28
Safety clip ..... 28
Bottle opener ..... 28

**Vent-Lock® Safety ..... 29 - 31**
Type A ..... 29
Type C ..... 29
Type D ..... 30
Type E ..... 30
Type DC, DP and H ..... 30
Accessories ..... 31

**Type A Adapters ..... 32**
Dixon® ..... 32
with abrasion resistant inserts ..... 32

**Type B Couplers ..... 33 - 34**
Dixon ..... 33
Boss-Lock ..... 34
EZ Boss-Lock ..... 34

**Type C Couplers ..... 35 - 39**
Dixon ..... 35
with abrasion resistant inserts ..... 35
Dixon notched NOS ..... 36
Boss-Lock ..... 36
EZ Boss-Lock with collar ..... 37

**Type C Couplers (Cont.) ..... 35 - 39**
EZ Boss-Lock ..... 38
EZ Boss-Lock phono finish ..... 38
EZ Boss-Lock with swaged ferrule ..... 39
EZ Boss-Lock notched ..... 39

**Type D Couplers ..... 40 - 42**
Dixon ..... 40
Boss-Lock ..... 41
EZ Boss-Lock ..... 42

**Type E Adapters ..... 43 - 45**
Dixon ..... 43
Dixon phono finish ..... 43
Dixon with swaged ferrule ..... 44
Notched shank ..... 44
Notched ferrules ..... 44
Notched NOS shank ..... 45
Notched NOS ferrules ..... 45

**Type F Adapters ..... 46**
Dixon ..... 46

**Dust Caps and Plugs ..... 47 - 50**
Type DC ..... 47
Dixon lockable caps ..... 48
Type H ..... 48, 49
Type DP ..... 50

**Hastelloy® ..... 51 - 52**
Type A ..... 51
Type E ..... 51
Type F ..... 51
EZ Boss-Lock Type B ..... 52
EZ Boss-Lock Type C ..... 52
EZ Boss-Lock Type D ..... 52

**Jump Size Couplers and Adapters ..... 53 - 57**
Dixon type DA with port ..... 53
Dixon type DA ..... 53
Boss-Lock type DA ..... 54
EZ Boss-Lock type DA ..... 54
Dixon type DA with port ..... 54
Dixon type AA spool adapters ..... 55
Dixon type DD couplers ..... 55
Boss-Lock type DD couplers ..... 55
Type A ..... 56
Type B ..... 56

**Jump Size Couplers and Adapters (Cont.)..... 53 - 57**

EZ Boss-Lock Type C ..... 56
Type D ..... 57
Type E ..... 57
Type F ..... 57

**Elbows ..... 58 - 60**

45° ..... 58
90° ..... 58 - 60
15° ..... 60

**Flanged ..... 61**

Adapter x ANSI flange ..... 61
Dixon ..... 61
EZ Boss-Lock ..... 61

**Weld End ..... 62 - 63**

Dixon couplers ..... 62
EZ Boss-Lock couplers ..... 62 - 63
Adapters ..... 63

**NPSM and Wye ..... 64**

**Hydrant Adapter ..... 64**

**Boss-Lock Coupler x Tube ..... 65**

**In-Line Sight Glasses ..... 65**

**Accessories ..... 66 - 74**

Handles ..... 66 - 67
Gaskets ..... 68 - 71
Strainers ..... 72
Pull rings ..... 72
Abrasion resistant inserts ..... 73
Clips ..... 73
Jack chain with S-hook ..... 73
Velcro® straps ..... 73
Lanyards ..... 74

**Global ..... 75 - 84**

Type A ..... 75
Type B ..... 76
Type C ..... 77
Type D ..... 78
Type E ..... 79
Type F ..... 79

**Global (Cont.) ..... 75 - 84**

Dust caps and plugs ..... 80
Jump size ..... 81 - 82
Type DA ..... 81
Type AA ..... 81
Type DD ..... 81
Type A ..... 82
Type C ..... 82
Type E ..... 82
TTMA flange ..... 82
Coupler and adapter x ANSI flange ..... 83
Accessories ..... 83
BSP Thread ..... 84
Type A ..... 84
Type B ..... 84
Type D ..... 84
Type F ..... 84

**NST Adapters ..... 85**

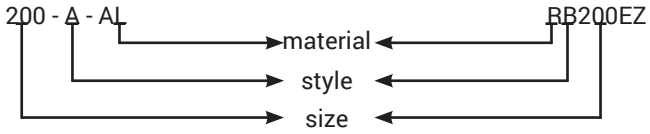
Type A ..... 85
Type B ..... 85
Type D ..... 85
Type F ..... 85

**Polypropylene ..... 86 - 90**

Type A ..... 86
Type B ..... 86
Type C ..... 87
Type D ..... 87
Type E ..... 88
Type F ..... 88
Dust caps and plugs ..... 89
90° adapter x female NPT ..... 90
90° coupler x hose shank ..... 90
90° coupler x female NPT ..... 90
90° adapter x male NPT ..... 90

B

## Ordering System




Size represents the coupler or adapter and hose or pipe end (i.e. 200 = 2"). If the coupling is a jump size, the coupler or adapter is the first size (i.e. 4030-C is 4" coupler to 3" hose shank).

## Operation of Cam & Groove

1. To make connection, slide the adapter into the coupler and, with normal hand pressure, press the cam levers down.

2. Uncoupling is as quick and simple as coupling. Just lift the cam arms and remove the adapter.

## Specifications on Dixon® Cam & Groove

### Specifications

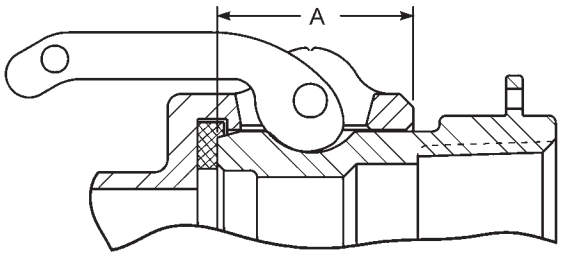
- Dixon, Boss-Lock, and EZ Boss-Lock cam & groove couplers and adapters are produced to interchange with all product produced to Commercial Item Description A-A-59326D.
- No standard exists for the 1/2", 5", and 8" fittings, and generally these sizes do not interchange with other manufacturers' products.
- Dust caps and dust plugs are **not** to be used in pressure applications for safety and environmental reasons.
- *Designed for use with liquids*; consult Dixon for specific recommendations.

### Pressure Ratings

Recommendations based on the use of mating Dixon fittings at ambient temperature **70°F (21°C)** with standard nitrile rubber seal installed. For use at elevated temperature or other unusual operating conditions, consult Dixon. Dixon, Boss-Lock, and EZ Boss-Lock couplers' and adapters' maximum working pressures are as follows:

| Size | 1/2" | 3/4" thru 2" | 2-1/2" | 3" | 4" | 5" and 6" | 8" |
|---|---|---|---|---|---|---|---|
| PSI | **150** | **250** | **150** | **125** | **100** | **75** | **50** |
| PSI (working pressure with King Crimp® ferrule system) | **150** | **250** | **150** | **150** | **150** | **75** | **50** |

## Cam & Groove Nominal Take-Up Lengths




| Coupling Size | Dimension A |
|---|---|
| 1/2" | 0.97" |
| 3/4" | 0.97" |
| 1" | 1.20" |
| 1-1/4" | 1.44" |
| 1-1/2" | 1.50" |
| 2" | 1.81" |
| 2-1/2" | 1.82" |
| 3" | 1.78" |
| 4" | 1.84" |
| 5" | 2.00" |
| 6" | 2.13" |
| 8" | 2.06" |
| 8" | 3.22" |

## Cam & Groove Configurations

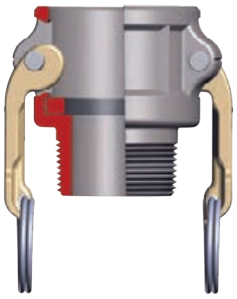
Configurations are representative of the Dixon® line of cam & groove.



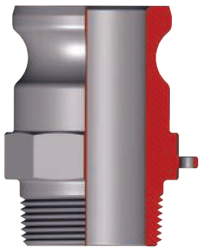
**Type A**
adapter x female NPT



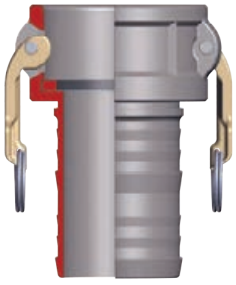
**Type E**
adapter x hose shank



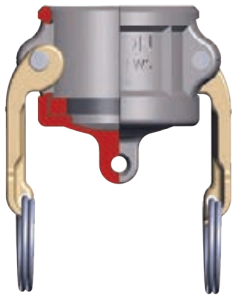
**Type B**
coupler x male NPT



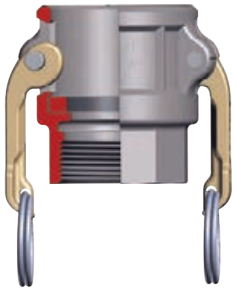
**Type F**
adapter x male NPT



**Type C**
coupler x hose shank



**Type DC**[1]
dust cap



**Type D**
coupler x female NPT



**Type DP**[1]
dust plug

[1] Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons.

**⚠WARNING**

## Dixon® Cam & Groove Styles





### Dixon

**Features**

- Precision machined to rigid tolerances
- Durable stainless steel cam arm pins will not rust or bind, providing greater strength and safety
- Recess holds gasket firmly in place - ensures proper placement
- Long shank design allows proper banding, thus eliminating the major cause of hose damage



### Dixon Global

**Features**

- Interchanges with all products produced to A-A-59326D
- All couplers include locking safety clip
- Aluminum couplers available with brass or stainless steel cam arms
- Brass fittings are produced by forging process providing greater structural integrity and mechanical strength



### Boss-Lock

**Features**

- The cast-in lugs allow safety clips to be attached once the lugs are passed through slots in the special cam lever arms, providing a patented safety feature. The clips prevent the coupler from being unlocked until they are removed, providing a *positive locking action*.
- Boss-Lock investment stainless steel cam arms are guaranteed! Should you break a Boss-Lock investment stainless steel cam arm, return it to the nearest warehouse for a free replacement.
- The pull ring safety clip simplifies the locking action on Boss-Lock couplers. No more inserting clips or dangling lanyards, just a twist and it's locked, giving you a low-profile positive locking action.



### EZ Boss-Lock

**Features**

- No more fumbling with clamps, wire, clips, or pins, just close the handles and the locking mechanism is engaged
- Extremely easy to open, the release lever is under your thumb when you want to open the fitting; ergonomic
- Can be supplied with custom shanks; also available with swaged and PF shanks for hard-to-couple chemical hoses
- EZ Boss-Lock investment stainless steel cam arms are guaranteed! Should you break one, return it to the nearest warehouse for a free replacement.

# Dixon® Cam & Groove Styles

## Vent-Lock® Safety



**Features**

- Safety release cam & groove couplings permit the release of static pressure when disconnecting hose assemblies
- Venting system protects operator from being sprayed with hazardous or non-hazardous fluids or solids
- Does not interchange with standard cam & groove products; use only with Vent-Lock L-style fittings

## Venting EZ Boss-Lock

New



**Features**

- Unique Dixon system for safely venting systems under pressure
- Utilizes EZ Boss-Lock cam arms in addition to EZLink® tabs that create a secondary positive locking mechanism
- Connects to standard cam & groove adapters
- Design allows for a more ergonomic and safe experience for user

## EZLink® Armless



**Features**

- Automatic couplers push-to-connect, providing a reliable connection
- Coupler tabs cannot be pushed to disconnect when pressurized to **20 PSI** or over
- Low profile allows easy connection and disconnection in tight applications
- Coupler push tabs can be locked with safety pins and/or zip tie

# Venting EZ Boss-Lock Cam & Groove

New

**Application**
- Transfer of fluids and solids, with a safe disconnection

**Sizes**
- 2", 3", and 4"

**Features**
- In the event of an accidental disconnection under pressure, the venting feature retains the coupling and allows the stored pressure to vent off
- Povides a venting feature when used with standard cam adapters
- The safety venting feature of this coupling doesn't require a special adapter to work as a system

**Materials**
- 316 stainless steel
- 356T6 aluminum



### Type B Coupler
### Coupler x Male NPT

| Size | Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 2" | ALBEZ200 | RLBEZ200 |
| 3" | ALBEZ300 | RLBEZ300 |
| 4" | ALBEZ400 | RLBEZ400 |



### Type C Coupler
### Coupler x Hose Shank

| Size | Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 2" | ALCEZ200 [1] | RLCEZ200 [1] |
| 3" | ALCEZ300 [1] | RLCEZ300 [1] |
| 4" | ALCEZ400 [1] | RLCEZ400 [1] |

[1] Hose drop shank



### Type D Coupler
### Coupler x Female NPT

| Size | Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 2" | ALDEZ200 | RLDEZ200 |
| 3" | ALDEZ300 | RLDEZ300 |
| 4" | ALDEZ400 | RLDEZ400 |



### Type H
### Dust Cap

| Size | Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 2" | ALHEZ200 | RLHEZ200 |
| 3" | ALHEZ300 | RLHEZ300 |
| 4" | ALHEZ400 | RLHEZ400 |

# Swivel Couplings Cam & Groove

New

B

**Features**
- Live swivel is capable of 360-degree rotation under pressure
- Nitrile rubber X-ring seal for reduced friction and high stability in dynamic applications
- Couplers inculde EZ Boss-Lock cam arms

**Material**
- Gasket: nitrile rubber

## Type A Adapters
## Adapter x Female NPT

| Size | Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 2" | 200-A-ALSWIV | 200-A-SSSWIV |
| 3" | 300-A-ALSWIV | 300-A-SSSWIV |
| 4" | 400-A-ALSWIV | 400-A-SSSWIV |



## Type C Coupler
## Coupler x Hose Shank

| Size | Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 2" | AC200EZSWIV | RC200EZSWIV |
| 3" | AC300EZSWIV | RC300EZSWIV |
| 4" | AC400EZSWIV | RC400EZSWIV |



## Type D Coupler
## Coupler x Female NPT

| Size | Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 2" | AD200EZSWIV | RD200EZSWIV |
| 3" | AD300EZSWIV | RD300EZSWIV |
| 4" | AD400EZSWIV | RD400EZSWIV |



## Type E Adapter
## Adapter x Hose Shank

| Size | Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 2" | 200-E-ALSWIV | 200-E-SSSWIV |
| 3" | 300-E-ALSWIV | 300-E-SSSWIV |
| 4" | 400-E-ALSWIV | 400-E-SSSWIV |



NOTE: Hose shanks are suitable for use with King Crimp sleeves and ferrules; see pages 13 - 16.

B

## King Crimp® System Cam & Groove



Dixon® Type C
domestic coupler



EZ Boss-Lock Type C
domestic coupler



Type C
global coupler



Dixon Type E
domestic adapter



Type E
global adapter

- For a complete listing of King Crimp system products, including cam & groove fittings, please reference pages 5 - 17.

## Crimp Working Pressure Chart

| Size | Temperature | Fitting | Clamp | Dixon Crimp (PSI) |
|---|---|---|---|---|
| 1" | Ambient | 100-C/E | sleeve | **250** |
| | **160°F (71°C)** | 100-C/E | sleeve | **242** |
| | **180°F (82°C)** | 100-C/E | sleeve | **240** |
| | **250°F (121°C)** | 100-C/E | sleeve | **200** |
| | Ambient | 100-C/E | ferrule | **250** |
| | **160°F (71°C)** | 100-C/E | ferrule | **242** |
| | **180°F (82°C)** | 100-C/E | ferrule | **240** |
| | **250°F (121°C)** | 100-C/E | ferrule | **200** |
| 1-1/2" | Ambient | 150-C/E | sleeve | **250** |
| | **160°F (71°C)** | 150-C/E | sleeve | **200** |
| | **180°F (82°C)** | 150-C/E | sleeve | **100** |
| | **250°F (121°C)** | 150-C/E | sleeve | **75** |
| | Ambient | 150-C/E | ferrule | **250** |
| | **160°F (71°C)** | 150-C/E | ferrule | **200** |
| | **180°F (82°C)** | 150-C/E | ferrule | **150** |
| | **250°F (121°C)** | 150-C/E | ferrule | **100** |
| 2" | Ambient | 200-C/E | sleeve | **250** |
| | **160°F (71°C)** | 200-C/E | sleeve | **100** |
| | **180°F (82°C)** | 200-C/E | sleeve | **50** |
| | **250°F (121°C)** | 200-C/E | sleeve | **50** |
| | Ambient | 200-C/E | ferrule | **250** |
| | **160°F (71°C)** | 200-C/E | ferrule | **100** |
| | **180°F (82°C)** | 200-C/E | ferrule | **100** |
| | **250°F (121°C)** | 200-C/E | ferrule | **100** |

| Size | Temperature | Fitting | Clamp | Dixon Crimp (PSI) |
|---|---|---|---|---|
| 3" | Ambient | 300-C/E | sleeve | **125** |
| | **160°F (71°C)** | 300-C/E | sleeve | **100** |
| | **180°F (82°C)** | 300-C/E | sleeve | **60** |
| | **250°F (121°C)** | 300-C/E | sleeve | **55** |
| | Ambient | 300-C/E | ferrule | **150** |
| | **160°F (71°C)** | 300-C/E | ferrule | **125** |
| | **180°F (82°C)** | 300-C/E | ferrule | **100** |
| | **250°F (121°C)** | 300-C/E | ferrule | **75** |
| 4" | Ambient | 400-C/E | sleeve | **110** |
| | **160°F (71°C)** | 400-C/E | sleeve | **75** |
| | **180°F (82°C)** | 400-C/E | sleeve | **60** |
| | **250°F (121°C)** | 400-C/E | sleeve | **50** |
| | Ambient | 400-C/E | ferrule | **150** |
| | **160°F (71°C)** | 400-C/E | ferrule | **75** |
| | **180°F (82°C)** | 400-C/E | ferrule | **75** |
| | **250°F (121°C)** | 400-C/E | ferrule | **75** |
| 6" | Ambient | 600-C/E | sleeve | **75** |
| | **160°F (71°C)** | 600-C/E | sleeve | * |
| | **180°F (82°C)** | 600-C/E | sleeve | * |
| | **250°F (121°C)** | 600-C/E | sleeve | * |
| | Ambient | 600-C/E | ferrule | **75** |
| | **160°F (71°C)** | 600-C/E | ferrule | * |
| | **180°F (82°C)** | 600-C/E | ferrule | * |
| | **250°F (121°C)** | 600-C/E | ferrule | * |

# EZLink® Armless Cam & Groove

## Applications
- Transfer and/or unloading of fuels (gasoline or diesel) from tank truck to storage tanks
- Transfer of liquids compatible with the available coupling and gasket materials

## Features
- Automatic couplers push-to-connect, providing a reliable connection
- Low profile allows easy connection and disconnection in tight applications
- Coupler push tabs can be locked with safety pins and/or zip tie
- Compatible with standard cam & groove adapters
- Lifetime warranty on stainless steel tabs

## Materials
- Couplings and dust caps: A356 aluminum, 316 stainless steel
- Coupler tabs and springs: 316 stainless steel
- Gasket: nitrile rubber

## Specifications
- Maximum working pressure with King Crimp® ferrules: 2" **250 PSI**, 3" and 4" **150 PSI**
- Maximum working pressure with crimp sleeves: 2" **250 PSI**, 3" **125 PSI**, 4" **110 PSI**
- Maximum working pressure with band clamps: 2" **250 PSI**, 3" **125 PSI**, 4" **100 PSI**
- Gasket temperature range: **5°F** to **180°F (-15°C** to **82°C)**

Only use EZLink gaskets and tabs for this coupling system. Traditional cam & groove handles and gaskets, or other types of seals, are not compatible and will fail.

### Type B Couplers
### Coupler x Male NPT

| Size | A356 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1-1/2" | EZL150-B-AL | EZL150-B-SS |
| 2" | EZL200-B-AL | EZL200-B-SS |
| 3" | EZL300-B-AL | EZL300-B-SS |
| 4" | EZL400-B-AL | --- |



### Type C Couplers - King Crimp Hose Shank
### Coupler x Hose Shank

| Size | A356 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1-1/2" | EZL150-C-AL | EZL150-C-SS |
| 2" | EZL200-C-AL | EZL200-C-SS |
| 3" | EZL300-C-AL | EZL300-C-SS |
| 4" | EZL400-C-AL | --- |



### Type D Couplers
### Coupler x Female NPT

| Size | A356 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1-1/2" | EZL150-D-AL | EZL150-D-SS |
| 2" | EZL200-D-AL | EZL200-D-SS |
| 3" | EZL300-D-AL | EZL300-D-SS |
| 4" | EZL400-D-AL | --- |



# EZLink® Armless Cam & Groove



## Type DC Dust Caps

| Size | A356 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1-1/2" | EZL150-DC-AL | EZL150-DC-SS |
| 2" | EZL200-DC-AL | EZL200-DC-SS |
| 3" | EZL300-DC-AL | EZL300-DC-SS |
| 4" | EZL400-DC-AL | --- |



## Replacement Kits

**Feature**

- Kit contains: 2 pins, 2 springs, and 2 tabs

| Size | Part # |
|---|---|
| 1-1/2 and 2" | EZL200RPLKIT |
| 3" and 4" | EZL300RPLKIT |



## Replacement Gaskets

| Size | Nitrile Rubber Part # | Fluorosilicone Part # | FKM-A Part # |
|---|---|---|---|
| 1-1/2" | EZL150-G-BU | EZL150-G-FV | EZL150-G-VI |
| 2" | EZL200-G-BU | EZL200-G-FV | EZL200-G-VI |
| 3" | EZL300-G-BU | EZL300-G-FV | EZL300-G-VI |
| 4" | EZL400-G-BU | EZL400-G-FV | EZL400-G-VI |



## Safety Clip

| Plated Carbon Steel Part # |
|---|
| EZLCL400 |



## Bottle Opener

| Brass Part # |
|---|
| CAMOPENER |

# Vent-Lock® Safety Cam & Groove Couplings

## Application
- Transfer of fluids and solids, with a safer disconnection

## Features
- Safety release cam & groove couplings permit the release of static pressure when disconnecting hose assemblies
- Venting system protects operator from being sprayed with hazardous or non-hazardous fluids or solids
- Does not interchange with standard cam & groove products; use only with Dixon L-style fittings
- Safety orange cam arms
- Consult Dixon for availability of other materials

## Specifications
- Rated to **250 PSI**; recommendation based on the use of mating Dixon® L-style fittings at ambient temperature **70°F (21°C)** with standard nitrile rubber seal installed. For use at elevated temperature or other unusual operating conditions, consult Dixon
  - 1", 1-1/2" and 2" sizes have a maximum working pressure of **250 PSI**
  - 3" maximum working pressure **150 PSI** with King Crimp® ferrules, crimp sleeves, and bands at **125 PSI**
  - 4" maximum working pressure **150 PSI** with King Crimp ferrules, crimp sleeves, and bands at **100 PSI**

## Attachment Options
- Ferrules, sleeves, bands, and other reliable options

### Type A Adapters
### Adapter x Female NPT

| Size | 316 Stainless Steel Part # | Aluminum Part # |
|---|---|---|
| 1" | L100-A-SS | --- |
| 1-1/2" | L150-A-SS | --- |
| 2" | L200-A-SS | --- |
| 3" | L300-A-SS | --- |
| 4" | --- | L400-A-AL |



### Type C Couplers
### Coupler x Hose Shank

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | L100-C-SS |
| 1-1/2" | L150-C-SS |
| 2" | L200-C-SS |



### EZ Boss-Lock Type C Couplers
### Coupler x Hose Shank

| Size | 316 Stainless Steel Part # | Aluminum Part # |
|---|---|---|
| 1" | RLC100EZ | --- |
| 1-1/2" | RLC150EZ | --- |
| 2" | RLC200EZ [1] | --- |
| 3" | RLC300EZ [1] | --- |
| 4" | --- | ALC400EZ [1] |



B

# Vent-Lock® Safety Cam & Groove Couplings



### Type D Couplers
### Coupler x Female NPT

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | RLD100EZ |
| 1-1/2" | RLD150EZ |
| 2" | RLD200EZ |
| 3" | RLD300EZ |



### Type E Adapters
### Adapter x Hose Shank

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | L100-E-SS |
| 1-1/2" | L150-E-SS |
| 2" | L200-E-SS |
| 3" | L300-E-SS |



### Type DC Dust Caps

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | L100-DC-SS |
| 1-1/2" | L150-DC-SS |
| 2" | L200-DC-SS |



### Type DP Dust Plugs

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | L100-DP-SS |
| 1-1/2" | L150-DP-SS |
| 2" | L200-DP-SS |
| 3" | L300-DP-SS |



### EZ Boss-Lock Type H Dust Caps

| Size | 316 Stainless Steel Part # | Aluminum Part # |
|---|---|---|
| 1" | RLH100EZ | --- |
| 1-1/2" | RLH150EZ | --- |
| 2" | RLH200EZ | --- |
| 3" | RLH300EZ | --- |
| 3" | --- | ALH400EZ |

# Vent-Lock® Safety Cam & Groove Couplings Accessories

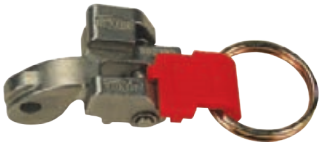
## Dixon® handle assembly



**Features**
- Use only with Dixon Vent-Lock couplers
- Includes handle, ring, and pin

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | L100-HSCRP-SI |
| 1-1/2" - 2" | L200-HSCRP-SI |

## EZ Boss-Lock handle assembly



**Features**
- Use only with EZ Boss-Lock Vent-Lock couplers
- Includes handle, ring, and pin

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | LRHEZ175 |
| 1-1/2" - 2" | LRHEZ152 |
| 3" | LRHEZ34 |

B


356T6 aluminum


aluminum hardcoat


brass


unplated malleable iron


plated malleable iron


316 stainless steel

## Dixon® Type A Adapters

### Adapter x Female NPT

**Feature**

- Pressure rating is based on the seal of the mating part, see ratings on page 20

| Size | 356T6 Aluminum Part # | Aluminum Hard Coat Part # | Brass Part # |
|---|---|---|---|
| 1/2" | 50-A-AL[2] | --- | 50-A-BR |
| 3/4" x 1/2" | 7550-A-AL[2] | --- | 7550-A-BR |
| 3/4" | 75-A-AL[2] | --- | 75-A-BR |
| 1" | 100-A-AL[2] | --- | 100-A-BR |
| 1-1/4" | 125-A-AL | --- | 125-A-BR |
| 1-1/2" | 150-A-AL | 150-A-ALH | 150-A-BR |
| 2" | 200-A-AL | 200-A-ALH | 200-A-BR |
| 2-1/2" | 250-A-AL | --- | 250-A-BR |
| 3" | 300-A-AL | 300-A-ALH | 300-A-BR |
| 4" | 400-A-AL | 400-A-ALH | 400-A-BR |
| 5" | 500-A-AL | --- | 500-A-BR |
| 6" | 600-A-AL | 600-A-ALH | 600-A-BR |
| 8" DIX | 800-A-AL[1] | --- | --- |
| 8" BL | 801-A-AL[1] | --- | --- |

[1] Dixon and Boss-Lock cam & groove couplings *do not interchange in the 8" size*
[2] Made from 6061-T6 aluminum

| Size | Unplated Malleable Iron Part # | Plated Malleable Iron Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1/2" | --- | --- | 50-A-SS |
| 3/4" x 1/2" | --- | --- | 7550-A-SS |
| 3/4" | --- | 75-A-PM | 75-A-SS |
| 1" | --- | 100-A-PM | 100-A-SS |
| 1-1/4" | --- | --- | 125-A-SS |
| 1-1/2" | 150-A-MI | 150-A-PM | 150-A-SS |
| 2" | 200-A-MI | 200-A-PM | 200-A-SS |
| 2-1/2" | --- | --- | 250-A-SS |
| 3" | 300-A-MI | 300-A-PM | 300-A-SS |
| 4" | 400-A-MI | 400-A-PM | 400-A-SS |
| 5" | 500-A-MI | --- | 500-A-SS |
| 6" | --- | 600-A-PM [1] | 600-A-SS |

[1] Ductile iron

### Adapter x Female NPT with Abrasion Resistant Inserts

**Features**

- Used in extreme abrasion transfer applications such as sand transfer in hydraulic fracturing
- Replacement inserts are available on page 73



| Description | UHMW Polyethylene Insert Part # |
|---|---|
| (400-A-AL) aluminum adapter x female NPT with UHMW insert | 400-A-ALINSERT |
| (400-A-MI) malleable iron adapter x female NPT with UHMW insert | 400-A-MIINSERT |
| (400-A-SS) stainless steel adapter x female NPT with UHMW insert | 400-A-SSINSERT |

# Dixon® Type B Couplers

## Coupler x Male NPT

### Features

- Couplers are supplied standard with a nitrile rubber gasket, other gasket types are available on pages 68 - 71
- 1/2" Dixon coupler has only one cam arm
- Pull rings are not supplied on 1/2" - 1" Dixon couplings

| Size | 356T6 Aluminum Part # | Aluminum Hard Coat Part # | Brass Part # |
|---|---|---|---|
| 1/2" | 50-B-AL | --- | 50-B-BR |
| 3/4" | 75-B-AL | --- | 75-B-BR |
| 1" | 100-B-AL | --- | 100-B-BR |
| 1-1/4" | 125-B-AL | --- | --- |
| 1-1/2" | 150-B-AL | 150-B-ALH | 150-B-BR |
| 2" | 200-B-AL | 200-B-ALH | 200-B-BR |
| 2-1/2" | 250-B-AL | --- | --- |
| 3" | 300-B-AL | 300-B-ALH | 300-B-BR |
| 4" | 400-B-AL | 400-B-ALH | 400-B-BR |
| 5" | 500-B-AL | --- | --- |
| 6" | 600-B-AL | 600-B-ALH | --- |
| 8" | 800-B-AL[1, 2] | --- | --- |

[1] Dixon and Boss-Lock cam & groove couplings do not interchange in the 8" size The 8" Dixon design has 4 cam arms

[2] Parts are produced as a welded fabrication.

| Size | Unplated Malleable Iron Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1/2" | --- | 50-B-SS |
| 3/4" | --- | 75-B-SS |
| 1" | --- | 100-B-SS |
| 1-1/2" | 150-B-MI[1] | 150-B-SS |
| 2" | 200-B-MI | 200-B-SS |
| 2-1/2" | --- | 250-B-SS |
| 3" | 300-B-MI[1] | 300-B-SS |
| 4" | 400-B-MI | 400-B-SS |
| 6" | --- | 600-B-SS |

[1] Ductile iron



356T6 aluminum



aluminum hard coat



brass



unplated malleable iron



316 stainless steel

B



356T6 aluminum



brass



plated malleable iron



316 stainless steel

## Boss-Lock Type B Couplers

### Coupler x Male NPT

**Features**

- Couplers are supplied standard with a nitrile rubber gasket, other gasket types are available on pages 68 - 71
- All Boss-Lock couplers are supplied with pull-ring safety clips.

| Size | 356T6 Aluminum Part # | Brass Part # |
|---|---|---|
| 3/4" | --- | BB075 |
| 1" | AB100 | BB100 |
| 1-1/4" | AB125 | BB125 |
| 1-1/2" | AB150 | BB150 |
| 2" | AB200 | BB200 |
| 2-1/2" | AB250 | BB250 |
| 3" | AB300 | BB300 |
| 4" | AB400 | BB400 |
| 6" | AB600 | --- |

| Size | Plated Malleable Iron Part # | 316 Stainless Steel Part # |
|---|---|---|
| 3/4" x 1/2" | --- | RB050BL |
| 3/4" | --- | RB075BL |
| 1" | IB100 | RB100BL |
| 1-1/4" | --- | RB125BL |
| 1-1/2" | --- | RB150BL |
| 2" | IB200 | RB200BL |
| 3" | --- | RB300BL |
| 4" | --- | RB400BL |



356T6 aluminum



brass



## EZ Boss-Lock Type B Couplers

### Coupler x Male NPT

**Feature**

- Couplers are supplied standard with a nitrile rubber gasket, other gasket types are available on pages 68 - 71

Under no circumstances should the EZ Boss-Lock cam arms be used on any fitting not specifically designed for their use. See pages 20 - 23 for further specifications.

| Size | 356T6 Aluminum Part # | Brass Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 3/4" x 1/2" | --- | --- | RB050EZ |
| 3/4" | --- | BB075EZ | RB075EZ |
| 1" | AB100EZ | BB100EZ | RB100EZ |
| 1-1/4" | --- | BB125EZ | RB125EZ |
| 1-1/2" | AB150EZ | BB150EZ | RB150EZ |
| 2" | AB200EZ | BB200EZ | RB200EZ |
| 3" | AB300EZ | BB300EZ | RB300EZ |
| 4" | AB400EZ | BB400EZ | RB400EZ |
| 6" | --- | --- | RB600EZ |

# Dixon® Type C Couplers

## Coupler x Hose Shank

### Features

- Couplers are supplied standard with a nitrile rubber gasket, other gasket types are available on pages 68 - 71
- 1/2" Dixon coupler has only one cam arm
- Pull rings are not supplied on 1/2" - 1" Dixon couplings

| Hose I.D. | 356T6 Aluminum Part # | Aluminum Hard Coat Part # | Brass Part # |
|---|---|---|---|
| 1/2" | 50-C-AL | --- | 50-C-BR |
| 3/4" | 75-C-AL | --- | 75-C-BR |
| 1" | 100-C-AL | --- | 100-C-BR |
| 1-1/4" | 125-C-AL | --- | 125-C-BR |
| 1-1/2" | 150-C-AL | 150-C-ALH | 150-C-BR |
| 2" | 200-C-AL | 200-C-ALH | 200-C-BR |
| 2-1/2" | 250-C-AL | --- | 250-C-BR |
| 3" | 300-C-AL | 300-C-ALH | 300-C-BR |
| 4" | 400-C-AL | 400-C-ALH | 400-C-BR |
| 5" | 500-C-AL | --- | --- |
| 6" | 600-C-AL | 600-C-ALH | 600-C-BR |
| 8" | 800-C-AL[1] | --- | --- |

| Hose I.D. | Unplated Ductile Iron Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1/2" | --- | 50-C-SS |
| 3/4" | --- | 75-C-SS |
| 1" | --- | 100-C-SS |
| 1-1/4" | --- | 125-C-SS |
| 1-1/2" | 150-C-MI[3] | 150-C-SS |
| 2" | 200-C-MI[2] | 200-C-SS |
| 2-1/2" | --- | 250-C-SS |
| 3" | 300-C-MI[2] | 300-C-SS |
| 4" | 400-C-MI[2] | 400-C-SS |
| 5" | --- | 500-C-SS |
| 6" | 600-C-MI[2] | 600-C-SS |

[1] Dixon and Boss-Lock cam & groove couplings do not interchange in the 8" size the 8" Dixon design has 4 cam arms

[2] Suitable for use with King Crimp® sleeves and ferrules, see pages 13 - 16

[3] Malleable iron

Only use the crimp style shanks with the crimp style sleeves and ferrules.
Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturers' products with Dixon products.



356T6 aluminum



aluminum hard coat



brass



unplated ductile iron



316 stainless steel

## Coupler x Hose Shank with Abrasion Resistant Inserts

### Features

- Used in extreme abrasion transfer applications such as sand transfer in hydraulic fracturing
- Replacement inserts are available on page 73

| Description | UHMW Polyethylene Part # |
|---|---|
| (400-C-AL) aluminum coupler x hose shank with UHMW insert | 400-C-ALINSERT |



B

## Dixon® Type C Couplers with Notched NOS Shank

### Coupler x NOS Shank




**Features**

- System allows you to better manage your inventories, you can stock one stem and two ferrules, and cover the same hose range with less inventory, you must purchase a fitting and the matching ferrule to create an assembly
- For hose outside diameters of 2-4/64" and below, the couplings are crimp only
- For hose outside diameters of 2-5/64" and above, the couplings can be crimped or swaged
- For use with notched ferrules on page 44
- See page 363 for male NPT notched NOS fittings

| Size | 316 Stainless Steel Part # |
|---|---|
| 1-1/2" | 150CNOSSS [1] |
| 2" | 200CNOSSS |
| 3" | 300CNOSSS |

[1] Part will be discontinued as stock is depleted

Only use the NOS shank with the NOS ferrules.
Due to differences in dimensions and tolerances for safety reasons, do not use other manufacturers' stems or ferrules with Dixon® products.

## Boss-Lock Type C Couplers

### Coupler x Hose Shank



356T6 aluminum



brass



plated malleable iron



**Features**

- Couplers are supplied standard with a nitrile rubber gasket, other gasket types are available on pages 68 - 71
- All Boss-Lock couplers are supplied with pull-ring safety clips

| Size | 356T6 Aluminum Part # | Brass Part # |
|---|---|---|
| 3/4" | AC075 | BC075 |
| 1" | AC100 | BC100 |
| 1-1/4" | AC125 | BC125 |
| 1-1/2" | AC150 | BC150 |
| 2" | AC200 | BC200 |
| 2-1/2" | AC250 | BC250 |
| 3" | AC300 | BC300 |
| 4" | AC400 | BC400 |
| 6" | AC600 | BC600 |
| 8" | AC800[1] | --- |

| Size | Plated Malleable Iron Part # | 316 Stainless Steel Part # |
|---|---|---|
| 3/4" x 1/2" | --- | RC050BL |
| 3/4" | IC075 | RC075BL |
| 1" | IC100 | RC100BL |
| 1-1/4" | --- | RC125BL |
| 1-1/2" | IC150 | RC150BLNO |
| 2" | IC200 | RC200BLNO |
| 3" | IC300 | RC300BL |
| 4" | IC400[2] | RC400BLNO |
| 6" | IC600[2] | --- |

[1] Dixon and Boss-Lock cam & groove couplings do not interchange in the 8" size
[2] Ductile iron

## EZ Boss-Lock Type C Couplers with Collared Hose Shank

### Coupler x Collared Hose Shank



**Features**

- Design provides greater resistance to end pull than conventional band clamps and is intended for use with Strap-Grip saddles
  - saddles are sold in pairs and designed for use with 3/4" or 5/8" wide band clamps
  - bands must be purchased separately
- Band clamps should first be applied to the O.D. to seal the hose, then Strap-Grip saddles should be banded over the initial clamp to anchor the fitting in the hose

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | RC100CEZ |
| 1-1/2" | RC150CEZ |
| 2" | RC200CEZ |

## Boss-Lock Type C Couplers with Notched Shank

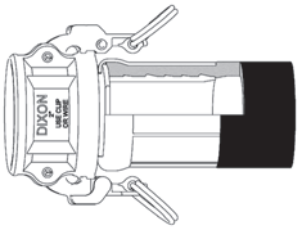
### Coupler x Hose Shank



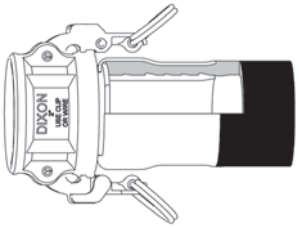
**Features**

- Coupling can be removed from a damaged hose by cutting away the ferrule, without necessarily damaging the fitting, after inspection of the fitting to determine its suitability for reuse, it can be reinstalled into another hose by using a new ferrule
- System allows you to better manage your inventories, you can stock one coupling and two ferrules, and cover the same hose range with less inventory, you must purchase a fitting and the matching ferrule to create an assembly
- For use with notched ferrules on page 45

Dixon® stems and ferrules are specifically designed to be used together as a coupling system. Due to differences in dimensions and tolerances for safety reasons, do not use other manufacturers' stems or ferrules with Dixon products.



crimped assembly



swaged assembly

| Size | 316 Stainless Steel Part # |
|---|---|
| 1-1/2" | RC150BLNO |
| 2" | RC200BLNO |
| 3" | RC300BLNO |
| 4" | RC400BLNO |

NOTE: Contact Dixon for swage and crimp recommendations.

B


356T6 aluminum


brass


316 stainless steel

New


AC400EZP[1]

## EZ Boss-Lock Type C Couplers

### Coupler x Hose Shank

**Feature**

- Couplers are supplied standard with a nitrile rubber gasket, other gasket types are available on pages 68 - 71

| Size | 356T6 Aluminum Part # | Brass Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 3/4" x 1/2" | --- | --- | RC050EZ |
| 3/4" | AC075EZ | BC075EZ | RC075EZ |
| 1" | AC100EZ | BC100EZ | RC100EZCR |
| 1-1/4" | --- | BC125EZ | RC125EZCR |
| 1-1/2" | AC150EZ | BC150EZ | RC150EZNO |
| 2" | AC200EZ | BC200EZ | RC200EZNO |
| 2-1/2" | AC250EZ | --- | --- |
| 3" | AC300EZ | BC300EZ | RC300EZCR |
| 4" | AC400EZ | BC400EZ | RC400EZCR |
| | AC400EZP[1] | --- | --- |
| 6" | AC600EZ | --- | RC600EZCR |
| 8" | AC800EZ[2] | --- | --- |

[1] Includes paddle handle

[2] Dixon® and Boss-Lock cam & groove couplings do not interchange in the 8" size. Under no circumstances should the EZ Boss-Lock cam arms be used on any fitting not specifically designed for their use.

NOTE: See pages 20 - 23 for further specifications.

## EZ Boss-Lock Type C Couplers with Phono Finish Shank



**Application**

- The shank design on these fittings was developed specifically for chemical transport hoses having Crosslinked Polyethylene (XLPE) or Ultra High Molecular Weight Polyethylene (UHMW) tubes, where shank retention can be a problem when using conventional band clamps.

**Features**

- In testing tank transport hoses from a wide variety of manufacturers, the Boss-Lock PF fitting showed significant improvement in hose coupling retention over the conventional cam & groove shank design
- For best results we recommend the use of 3/4" wide band clamps found on page 469
- Other sizes available; consult Dixon for pricing and availability

| Size | 316 Stainless Steel Part # | Optional Qty |
|---|---|---|
| 2" | RC200EZPF | 10 |

## EZ Boss-Lock Type C Couplers with Swaged Ferrule

### Application

- Developed specifically for chemical transport hoses having Crosslinked Polyethylene (XLPE) or Ultra High Molecular Weight Polyethylene (UHMW) tubes, swaged Boss-Lock provides you with a permanently attached cam & groove fitting when superior coupling retention is required



### Features

- In testing tank transport hoses from a wide variety of manufacturers, the swaged Boss-Lock fitting proved itself to be the clear winner in overall performance
- Available on special order, other sizes or hose O.D.s, consult Dixon® for pricing and availability
- Special equipment required for installation, consult Dixon for pricing and availability or refer to page 572 for more information.

| Size | Hose O.D. | | 316 Stainless Steel Part # |
|---|---|---|---|
| | from | to | |
| 3/4" | 1-6/64" | 1-22/64" | RC075EZ-70 |
| 1" | 1-29/64" | 1-35/64" | RC100EZ-20 |
| 1" | 1-36/64" | 1-44/64" | RC100EZ-70 |

## EZ Boss-Lock Type C Couplers with Notched Hose Shank

**Coupler x Hose Shank**

### Features

- Coupling can be removed from a damaged hose by cutting away the ferrule, without necessarily damaging the fitting, after inspection of the fitting to determine its suitability for reuse, it can be reinstalled into another hose by using a new ferrule.
- System allows you to better manage your inventories, you can stock one coupling and two ferrules, and cover the same hose range with less inventory, you must purchase a fitting and the matching ferrule to create an assembly.
- For use with notched ferrules on page 44



| Size | 316 Stainless Steel Part # |
|---|---|
| 1-1/2" | RC150EZNO |
| 2" | RC200EZNO |
| 3" | RC300EZNO |
| 4" | RC400EZNO |

Dixon stems and ferrules are specifically designed to be used together as a coupling system. Due to differences in dimensions and tolerances for safety reasons, do not use other manufacturers' stems or ferrules with Dixon products.

B



356T6 aluminum



aluminum hard coat



brass



unplated malleable iron



316 stainless steel

# Dixon® Type D Couplers

## Coupler x Female NPT

### Features

- Couplers are supplied standard with a nitrile rubber gasket, other gasket types are available on pages 68 - 71
- 1/2" Dixon coupler has only one cam arm
- Pull rings are not supplied on 1/2" - 1" Dixon couplings

| Size | 356T6 Aluminum Part # | Aluminum Hard Coat Part # | Brass Part # |
|---|---|---|---|
| 1/2" | 50-D-AL | --- | 50-D-BR |
| 3/4" | 75-D-AL | --- | 75-D-BR |
| 1" | 100-D-AL | --- | 100-D-BR |
| 1-1/4" | 125-D-AL | --- | 125-D-BR |
| 1-1/2" | 150-D-AL | 150-D-ALH | 150-D-BR |
| 2" | 200-D-AL | 200-D-ALH | 200-D-BR |
| 2-1/2" | 250-D-AL | --- | 250-D-BR |
| 3" | 300-D-AL | 300-D-ALH | 300-D-BR |
| 4" | 400-D-AL | 400-D-ALH | 400-D-BR |
| 5" | 500-D-AL | --- | 500-D-BR |
| 6" | 600-D-AL | 600-D-ALH | 600-D-BR |
| 8" | 800-D-AL[1,2] | --- | --- |

[1] Dixon and Boss-Lock cam & groove couplings do not interchange in the 8" size
[2] The 8" Dixon design has 4 cam arms

| Size | Unplated Malleable Iron Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1/2" | --- | 50-D-SS |
| 3/4" | --- | 75-D-SS |
| 1" | --- | 100-D-SS |
| 1-1/4" | --- | 125-D-SS |
| 1-1/2" | 150-D-MI | 150-D-SS |
| 2" | 200-D-MI | 200-D-SS |
| 2-1/2" | --- | 250-D-SS |
| 3" | 300-D-MI[1] | 300-D-SS |
| 4" | 400-D-MI[1] | 400-D-SS |
| 5" | 500-D-MI | 500-D-SS |
| 6" | --- | 600-D-SS |

[1] Ductile iron

# Boss-Lock Type D Couplers

## Coupler x Female NPT

### Features

- Couplers are supplied standard with a nitrile rubber gasket, other gasket types are available on pages 68 - 71
- All Boss-Lock couplers are supplied with pull-ring safety clips

| Size | 356T6 Aluminum Part # | Brass Part # |
|---|---|---|
| 3/4" x 1/2" | AD050 | BD050 |
| 3/4" | AD075 | BD075 |
| 1" | AD100 | BD100 |
| 1-1/4" | AD125 | BD125 |
| 1-1/2" | AD150 | BD150 |
| 2" | AD200 | BD200 |
| 2-1/2" | AD250 | BD250 |
| 3" | AD300 | BD300 |
| 4" | AD400 | BD400 |
| 5" | AD500 | --- |
| 6" | AD600 | BD600 |
| 8" | AD800[1] | --- |

| Size | Plated Malleable Iron Part # | 316 Stainless Steel Part # |
|---|---|---|
| 3/4" x 1/2" | --- | RD050BL |
| 3/4" | ID075 | RD075BL |
| 1" | ID100 | RD100BL |
| 1-1/4" | --- | RD125BL |
| 1-1/2" | ID150 | RD150BL |
| 2" | ID200 | RD200BL |
| 3" | ID300 | RD300BL |
| 4" | ID400 | RD400BL |
| 6" | ID600[2] | --- |

[1] Dixon® and Boss-Lock cam & groove couplings do not interchange in the 8" size.
[2] Ductile iron



356T6 aluminum



brass



plated malleable iron



316 stainless steel

B

# EZ Boss-Lock Type D Couplers

## Coupler x Female NPT

**Feature**

- Couplers are supplied standard with a nitrile rubber gasket, other gasket types are available on pages 68 - 71

Under no circumstances should the EZ Boss-Lock cam arms be used on any fitting not specifically designed for their use. See page 22 for further specifications



356T6 aluminum



brass



316 stainless steel



heavy duty 316 stainless steel



AD400EZP [1]

| Size | 356T6 Aluminum Part # | Brass Part # |
|---|---|---|
| 3/4" x 1/2" | --- | --- |
| 3/4" | AD075EZ | BD075EZ |
| 1" | AD100EZ | BD100EZ |
| 1-1/4" | --- | BD125EZ |
| 1-1/2" | AD150EZ | BD150EZ |
| 2" | AD200EZ | BD200EZ |
| 2-1/2" | AD250EZ | BD250EZ |
| 3" | AD300EZ | BD300EZ |
| 4" | AD400EZ | BD400EZ |
| | AD400EZP[1] | --- |
| 5" | AD500EZ | --- |
| 6" | AD600EZ | --- |
| 8" | AD800EZ[2] | --- |

| Size | 316 Stainless Steel Part # | Heavy Duty 316 Stainless Steel Part # |
|---|---|---|
| 3/4" x 1/2" | RD050EZ | --- |
| 3/4" | RD075EZ | --- |
| 1" | RD100EZ | --- |
| 1-1/4" | RD125EZ | --- |
| 1-1/2" | RD150EZ | --- |
| 2" | RD200EZ | --- |
| 2-1/2" | RD250EZ | --- |
| 3" | RD300EZ | RD300EZHD[3] |
| 4" | RD400EZ | RD400EZHD[4] |
| 5" | --- | --- |
| 6" | RD600EZ | RD600EZHD[5] |

[1] Includes paddle handle
[2] Dixon® and Boss-Lock cam & groove couplings do not interchange in the 8" size.
[3] Pressure rating of **400 PSI**
[4] Pressure rating of **300 PSI**
[5] Pressure rating of **150 PSI**

## Type E Adapters

### Adapter x Hose Shank

**Feature**

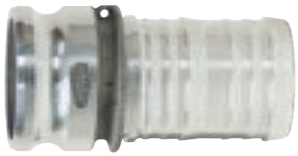
- Pressure rating is based on the seal of the mating part, see ratings on page 20

| Size | 356T6 Aluminum Part # | Aluminum Hard Coat Part # | Brass Part # |
|---|---|---|---|
| 1/2" | 50-E-AL | --- | 50-E-BR |
| 3/4" x 1/2" | 7550-E-AL | --- | --- |
| 3/4" | 75-E-AL | --- | 75-E-BR |
| 1" | 100-E-AL | --- | 100-E-BR |
| 1-1/4" | 125-E-AL | --- | 125-E-BR |
| 1-1/2" | 150-E-AL | 150-E-ALH | 150-E-BR |
| 2" | 200-E-AL | 200-E-ALH | 200-E-BR |
| 2-1/2" | 250-E-AL | --- | 250-E-BR |
| 3" | 300-E-AL | 300-E-ALH | 300-E-BR |
| 4" | 400-E-AL | 400-E-ALH | 400-E-BR |
| 5" | 500-E-AL | --- | --- |
| 6" | 600-E-AL | 600-E-ALH | 600-E-BR |
| 8" DIX | 800-E-AL[1] | --- | --- |
| 8" BL | 801-E-AL[1] | --- | --- |

[1] Dixon® and Boss-Lock cam & groove couplings do not interchange in the 8" size.

| Size | Unplated Malleable Iron Part # | Plated Malleable Iron Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1/2" | --- | --- | 50-E-SS |
| 3/4" x 1/2" | --- | --- | 7550-E-SS |
| 3/4" | --- | 75-E-PM | 75-E-SS |
| 1" | --- | 100-E-PM | 100-E-SS |
| 1-1/4" | --- | 125-E-PM | 125-E-SS |
| 1-1/2" | 150-E-MI | 150-E-PM | 150-E-SS |
| 2" | 200-E-MI[2] | 200-E-PM[2] | 200-E-SS |
| 2-1/2" | --- | --- | 250-E-SS |
| 3" | 300-E-MI[1, 2] | 300-E-PM[1, 2] | 300-E-SS |
| 4" | 400-E-MI[1, 2] | 400-E-PM[1, 2] | 400-E-SS |
| 5" | --- | --- | 500-E-SS |
| 6" | 600-E-MI[1, 2] | 600-E-PM[1, 2] | 600-E-SS |

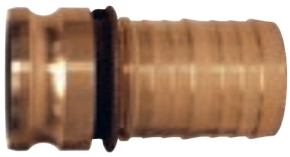
[1] Suitable for King Crimp® sleeves and ferrules, see pages 13 - 16
[2] Ductile iron



356T6 aluminum



aluminum hard coat



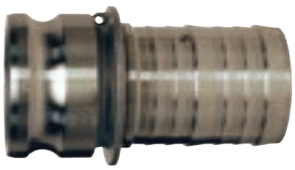
brass



unplated malleable iron



plated malleable iron



316 stainless steel

## Type E Adapter with Phono Finish Shank

**Application**

- Shank design developed specifically for chemical transport hoses having crosslinked polyethylene (XLPE) or ultra high molecular weight polyethylene (UHMW) tubes, where shank retention can be a problem when using conventional band clamps.

**Features**

- When testing tank transport hoses from a wide variety of manufacturers, the Boss-Lock PF fitting showed significant improvement in hose coupling retention over the conventional cam & groove shank design
- For best results Dixon recommends the use of 3/4" wide band clamps found on page 469
- Other sizes available, consult Dixon for pricing and availability



| Size | 316 Stainless Steel Part # | Optional Qty |
|---|---|---|
| 2" | RE200PF | 10 |

B

## Type E Adapters with Swaged Ferrule



**Application**

- Developed specifically for chemical transport hoses having Crosslinked Polyethylene (XLPE) or Ultra High Molecular Weight Polyethylene (UHMW) tubes.

**Features**

- Provides a permanently attached cam & groove fitting when superior coupling retention is required
- Testing tank transport hoses from a wide variety of manufacturers proved the swaged Boss-Lock fitting to be the leader in overall performance
- Other sizes or hose O.D.s available on special order. Consult Dixon® for pricing and availability
- Special equipment required for installation, consult Dixon for pricing and availability or refer to page 572 for more information

| Size | Hose O.D. | | 316 Stainless Steel Part # |
|---|---|---|---|
| | from | to | |
| 3/4" | 1-6/64" | 1-22/64" | RE075-1370 |
| 1" | 1-29/64" | 1-35/64" | RE100-1620 |
| 1" | 1-36/64" | 1-44/64" | RE100-1770 |

## Type E Adapters with Notched Shank



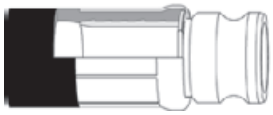
**Adapter x Hose Shank**

**Features**

- Can be removed from a damaged hose by cutting away the ferrule without necessarily damaging the fitting, after inspection of the fitting to determine its suitability for reuse, it can be reinstalled into another hose by using a new ferrule
- System allows you to better manage your inventory: stock one coupling and two ferrules and cover the same hose range with less inventory, you must purchase a fitting and the matching ferrule to create an assembly
- For use with notched ferrules below



swaged assembly



crimped assembly

Dixon stems and ferrules are specifically designed to be used together as a coupling system. Due to differences in dimensions and tolerances for safety reasons, do not use other manufacturers' stems or ferrules with Dixon products.

| Size | 316 Stainless Steel Part # |
|---|---|
| 1-1/2" | RE150NO |
| 2" | RE200NO |
| 3" | RE300NO |
| 4" | RE400NO |

## Notched Ferrules



- Reference notched shanks and adapters above
- Dixon stems and ferrules are specifically designed to be used together as a coupling system, due to differences in dimensions and tolerances for safety reasons, do not use other manufacturers' stems or ferrules with Holedall® products.

| Size | Hose O.D. | | 304 Stainless Steel Part # |
|---|---|---|---|
| | From | To | |
| 1-1/2" | 1-60/64" | 2-12/64" | GAS2334NO |
| | 2-4/64" | 2-22/64" | GAS2370NO |
| 2" | 2-30/64" | 2-44/64" | GAS2709NO |
| | 2-42/64" | 2-54/64" | GAS2885NO |
| 2-1/2" | 2-54/64" | 3" | GAS3012NO |
| | 3-1/64" | 3-13/64" | GAS3260NO |
| 3" | 3-30/64" | 3-46/64" | GAS3760NO |
| | 3-47/64" | 3-54/64" | GAS3885NO |

# Type E Adapters with Notched NOS shank

## Adapter x Shank

### Features

- System allows you to better manage your inventories, you can stock one stem and two ferrules, and cover the same hose range with less inventory, you must purchase a fitting and the matching ferrule to create an assembly
- For hose outside diameters of 2-4/64" and below, the couplings are crimp only
- For hose outside diameters of 2-5/64" and above, the couplings can be crimped or swaged
- For use with notched ferrules on page 44
- See page 363 for male NPT notched NOS fittings




| Size | 316 Stainless Steel Part # |
|---|---|
| 1-1/2" | 150ENOSSS[1] |
| 2" | 200ENOSSS |
| 3" | 300ENOSSS |

[1] Part will be discontinued as stock is depleted

Only use the NOS shank with the NOS ferrules.
Due to differences in dimensions and tolerances for safety reasons, do not use other manufacturers' stems or ferrules with Dixon® products.

## Notched NOS Ferrules

| Size | Hose O.D. | | 304 Stainless Steel Part # |
|---|---|---|---|
| | From | To | |
| 1-1/2" | 1-60/64" | 2-12/64" | GAS2334NOS |
| | 2-4/64" | 2-22/64" | GAS2370NOS |
| 2" | 2-30/64" | 2-44/64" | GAS2709NOS |
| | 2-42/64" | 2-54/64" | GAS2885NOS |
| 3" | 3-30/64" | 3-46/64" | GAS3760NOS |
| | 3-47/64" | 3-54/64" | GAS3885NOS |
| 4" | 4-40/64" | 4-47/64" | GAS5010NOS |



NOTE: Reference notched shanks on page 363 and adapters above

B



356T6 aluminum



aluminum hard coat



brass



unplated malleable iron



plated malleable iron



316 stainless

## Type F Adapters x NPT

### Adapter x Male NPT

| Size | 356T6 Aluminum Part # | Aluminum Hard Coat Part # | Brass Part # |
|---|---|---|---|
| 1/2" | 50-F-AL | --- | 50-F-BR |
| 3/4" x 1/2" | 7550-F-AL | --- | 7550-F-BR |
| 3/4" | 75-F-AL | --- | 75-F-BR |
| 1" | 100-F-AL | --- | 100-F-BR |
| 1-1/4" | 125-F-AL | --- | 125-F-BR |
| 1-1/2" | 150-F-AL | 150-F-ALH | 150-F-BR |
| 2" | 200-F-AL | 200-F-ALH | 200-F-BR |
| 2-1/2" | 250-F-AL | --- | 250-F-BR |
| 3" | 300-F-AL | 300-F-ALH | 300-F-BR |
| 4" | 400-F-AL | 400-F-ALH | 400-F-BR |
| 5" | 500-F-AL | --- | --- |
| 6" | 600-F-AL | 600-F-ALH | 600-F-BR |
| 8" DIX | 800-F-AL[1] | --- | --- |
| 8" BL | 801-F-AL[1] | --- | --- |

[1] Dixon® and Boss-Lock cam & groove couplings do not interchange in the 8" size.
NOTE: Pressure rating is based on the seal of the mating part. See ratings on page 20.

| Size | Unplated Malleable Iron Part # | Plated Malleable Iron Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1/2" | --- | --- | 50-F-SS |
| 3/4" x 1/2" | --- | --- | 7550-F-SS |
| 3/4" | --- | 75-F-PM | 75-F-SS |
| 1" | --- | 100-F-PM | 100-F-SS |
| 1-1/4" | --- | --- | 125-F-SS |
| 1-1/2" | 150-F-MI | 150-F-PM | 150-F-SS |
| 2" | 200-F-MI | 200-F-PM | 200-F-SS |
| 2-1/2" | --- | --- | 250-F-SS |
| 3" | 300-F-MI | 300-F-PM | 300-F-SS |
| 4" | 400-F-MI | 400-F-PM | 400-F-SS |
| 6" | --- | 600-F-PM | 600-F-SS |

# Dixon® Type DC Dust Caps

**Features**
- Nitrile rubber gasket supplied standard; other gaskets available on pages 68 - 71
- 1/2" Dixon has only one cam arm
- Pull rings are not supplied on 1/2" - 1" Dixon couplings

| Size | 356T6 Aluminum Part # | Aluminum Hard Coat Part # | Brass Part # |
|---|---|---|---|
| 1/2" | 50-DC-AL | --- | 50-DC-BR |
| 3/4" | 75-DC-AL | --- | 75-DC-BR |
| 1" | 100-DC-AL | --- | 100-DC-BR |
| 1-1/2" | 150-DC-AL | 150-DC-ALH | 150-DC-BR |
| 2" | 200-DC-AL | 200-DC-ALH | 200-DC-BR |
| 2-1/2" | 250-DC-AL | --- | --- |
| 3" | 300-DC-AL | 300-DC-ALH | 300-DC-BR |
| 4" | 400-DC-AL | 400-DC-ALH | 400-DC-BR |
| 5" | 500-DC-AL | --- | 500-DC-BR |
| 6" | 600-DC-AL | 600-DC-ALH | --- |
| 8" | 800-DC-AL[1, 2] | --- | --- |

[1] Dixon and Boss-Lock cam & groove couplings do not interchange in the 8" size
[2] The 8" Dixon dust cap has 2 cam arms

| Size | Unplated Malleable Iron Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1/2" | --- | 50-DC-SS |
| 3/4" | --- | 75-DC-SS |
| 1" | --- | 100-DC-SS |
| 1-1/2" | --- | 150-DC-SS |
| 2" | 200-DC-MI | 200-DC-SS |
| 2-1/2" | --- | 250-DC-SS |
| 3" | 300-DC-MI | 300-DC-SS |
| 4" | 400-DC-MI | 400-DC-SS |
| 5" | --- | 500-DC-SS |
| 6" | --- | 600-DC-SS |



356T6 aluminum


aluminum hard coat


brass



unplated malleable iron


316 stainless steel

B

## Dixon® Lockable Dust Caps



**Features**
- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71
- Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons

| Size | 356T6 Aluminum Part # | Brass Part # |
|---|---|---|
| 1-1/2" | 150DC-LAL | 150DC-LBR |
| 2" | 200DC-LAL | 200DC-LBR |
| 3" | 300DC-LAL | 300DC-LBR |
| 4" | 400DC-LAL | --- |
| 6" | 600DC-LAL | --- |



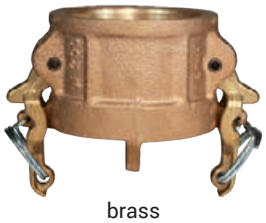
**Feature**
- Angled, ergonomic thumb release

| Size | 316 Stainless Steel Part # |
|---|---|
| 1-1/2" | 150DC-LSS |
| 2" | 200DC-LSS |
| 3" | 300DC-LSS |
| 4" | 400DC-LSS |

## Boss-Lock Type H Dust Caps



356T6 aluminum



brass



plated malleable iron



**Features**
- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71
- Supplied with pull-ring safety clips
- Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons

| Size | 356T6 Aluminum Part # | Brass Part # |
|---|---|---|
| 1" | AH100 | BH100 |
| 1-1/4" | AH125 | BH125 |
| 1-1/2" | AH150 | BH150 |
| 2" | AH200 | BH200 |
| 2-1/2" | AH250 | BH250 |
| 3" | AH300 | BH300 |
| 4" | AH400 | BH400 |
| 6" | AH600 | BH600 |
| 8" | AH800[1] | --- |

| Size | Plated Malleable Iron Part # | 316 Stainless Steel Part # |
|---|---|---|
| 3/4" | --- | RH075BL |
| 1" | --- | RH100BL |
| 1-1/4" | --- | RH125BL |
| 1-1/2" | IH150 | RH150BL |
| 2" | IH200 | RH200BL |
| 3" | IH300 | RH300BL |
| 4" | IH400 | RH400BL |
| 6" | IH600 | --- |

[1] Dixon and Boss-Lock cam & groove couplings do not interchange in the 8" size

# EZ Boss-Lock Type H Dust Caps

**Features**

- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71
- Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reason

| Size | 356T6 Aluminum Part # | Brass Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 3/4" | --- | --- | RH075EZ |
| 1" | AH100EZ | BH100EZ | RH100EZ |
| 1-1/4" | --- | --- | RH125EZ |
| 1-1/2" | AH150EZ | BH150EZ | RH150EZ |
| 2" | AH200EZ | BH200EZ | RH200EZ |
| 2-1/2" | AH250EZ | --- | --- |
| 3" | AH300EZ | BH300EZ | RH300EZ |
| 4" | AH400EZ | --- | RH400EZ |
| 6" | AH600EZ | --- | RH600EZ |

NOTE: Under no circumstances should the EZ Boss-Lock cam arms be used on any fitting not specifically designed for their use. See pages 22 and 67 for further specifications.



356T6 aluminum



brass



316 stainless steel

# Type DP Dust Plugs


356T6 aluminum


aluminum hard coat


brass



unplated malleable iron


plated malleable iron


316 stainless steel

**Feature**

- Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons

| Size | 356T6 Aluminum Part # | Aluminum Hard Coat Part # | Brass Part # |
|---|---|---|---|
| 1/2" | --- | --- | 50-DP-BR |
| 3/4" | 75-DP-AL | --- | 75-DP-BR |
| 1" | 100-DP-AL | --- | 100-DP-BR |
| 1-1/4" | 125-DP-AL | --- | 125-DP-BR |
| 1-1/2" | 150-DP-AL | 150-DP-ALH | 150-DP-BR |
| 2" | 200-DP-AL | 200-DP-ALH | 200-DP-BR |
| 2-1/2" | 250-DP-AL | --- | --- |
| 3" | 300-DP-AL | 300-DP-ALH | 300-DP-BR |
| 4" | 400-DP-AL | 400-DP-ALH | 400-DP-BR |
| 5" | 500-DP-AL | --- | --- |
| 6" | 600-DP-AL | 600-DP-ALH | 600-DP-BR |
| 8" DIX | 800-DP-AL[1] | --- | --- |
| 8" BL | 801-DP-AL[1] | --- | --- |

[1] Dixon® and Boss-Lock cam & groove couplings do not interchange in the 8" size

| Size | Unplated Malleable Iron Part # | Plated Malleable Iron Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1/2" | --- | --- | 50-DP-SS[1] |
| 3/4" | --- | --- | 75-DP-SS |
| 1" | --- | --- | 100-DP-SS |
| 1-1/4" | --- | 125-DP-PM | 125-DP-SS |
| 1-1/2" | 150-DP-MI | 150-DP-PM | 150-DP-SS |
| 2" | 200-DP-MI | 200-DP-PM | 200-DP-SS |
| 2-1/2" | --- | 250-DP-PM | 250-DP-SS |
| 3" | 300-DP-MI | 300-DP-PM | 300-DP-SS |
| 4" | 400-DP-MI | 400-DP-PM | 400-DP-SS |
| 6" | --- | --- | 600-DP-SS |

## Hastelloy® Cam & Groove Type A Adapters

### Adapter x Female NPT

| Size | Hastelloy CW12MW Part # |
|---|---|
| 1" | 100-A-HA |
| 1-1/2" | 150-A-HA |
| 2" | 200-A-HA |
| 3" | 300-A-HA |



NOTE: Pressure rating is based on the seal material of the mating part. See rating on page 20.

## Hastelloy Cam & Groove Type E Adapters

### Adapter x Shank

| Size | Hastelloy CW12MW Part # |
|---|---|
| 1" | 100-E-HA[1] |
| 1-1/2" | 150-E-HA |
| 2" | 200-E-HA[1] |
| 3" | 300-E-HA |



[1] Have King Crimp® shank

NOTE: Pressure rating is based on the seal material of the mating part. See rating on page 20

## Hastelloy Cam & Groove Type F Adapters

### Adapter x Male NPT

| Size | Hastelloy CW12MW Part # |
|---|---|
| 1" | 100-F-HA |
| 1-1/2" | 150-F-HA |
| 2" | 200-F-HA |
| 3" | 300-F-HA |



NOTE: Pressure rating is based on the seal material of the mating part. See rating on page 20.

B

## Hastelloy® Cam & Groove
## EZ Boss-Lock Type B Couplers
### Coupler x Male NPT



**Feature**
- Couplers supplied with FKM-A gaskets

**Materials**
- Cam arms: 316 stainless steel
- Pins: 302 stainless steel
- Rings: yellow zinc plated 12 gauge steel wire

| Size | Hastelloy CW12MW Part # |
|---|---|
| 1" | HAB100EZ |
| 1-1/2" | HAB150EZ |
| 2" | HAB200EZ |
| 3" | HAB300EZ |

## Hastelloy Cam & Groove
## EZ Boss-Lock Type C Couplers
### Coupler x Hose Shank



**Feature**
- Couplers supplied with FKM-A gaskets

**Materials**
- Cam arms: 316 stainless steel
- Pins: 302 stainless steel
- Rings: yellow zinc plated 12 gauge steel wire

| Size | Hastelloy CW12MW Part # |
|---|---|
| 1" | HAC100EZ[1] |
| 1-1/2" | HAC150EZ |
| 2" | HAC200EZ[1] |
| 3" | HAC300EZ |

[1] King Crimp® shank

## Hastelloy Cam & Groove
## EZ Boss-Lock Type D Couplers
### Coupler x Female NPT



**Feature**
- Couplers supplied with FKM-A gaskets

**Materials**
- Cam arms: 316 stainless steel
- Pins: 302 stainless steel
- Rings: yellow zinc plated 12 gauge steel wire

| Size | Hastelloy CW12MW Part # |
|---|---|
| 1" | HAD100EZ |
| 1-1/2" | HAD150EZ |
| 2" | HAD200EZ |
| 3" | HAD300EZ |

## Type DA Couplings with Port

### Coupler x Adapter

**Feature**
- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71

| Size | Port | 316 Stainless Steel Part # |
|---|---|---|
| 3" x 3" | 1/4" | 300DAT25SS |
| 3" x 3" | 3/8" | 300DAT38SS |
| 3" x 3" | 1/2" | 300DAT50SS |
| 3" x 3" | 3/4" | 300DAT75SS |




## Type DA Jump Size Couplings

### Coupler x Adapter

**Feature**
- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71

| Size | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1" x 1-1/2" | 1015-DA-AL[1] | 1015-DA-SS[1] |
| 1-1/2" x 1" | 1510DAAL | 1510-DA-SS[1] |
| 1-1/2" x 2" | 1520-DA-AL | 1520-DA-SS |
| 2" x 1" | 2010-DA-AL[1] | 2010-DA-SS |
| 2" x 1-1/2" | 2015-DA-AL | 2015-DA-SS |
| 2" x 2-1/2" | 2025-DA-AL[1] | 2025-DA-SS[1] |
| 2" x 3" | 2030-DA-AL | 2030-DA-SS |
| 2" x 4" | 2040-DA-AL | 2040-DA-SS[1] |
| 2-1/2" x 2" | --- | 2520-DA-SS[1] |
| 2-1/2" x 3" | --- | 2530-DA-SS[1] |
| 3" x 1-1/2" | 3015-DA-AL | 3015-DA-SS[1] |
| 3" x 2" | 3020-DA-AL | 3020-DA-SS |
| 3" x 2-1/2" | 3025-DA-AL | 3025-DA-SS[1] |
| 3" x 4" | 3040-DA-AL | 3040-DA-SS |
| 3" x 6" | 3060-DA-AL[1] | 3060-DA-SS[1] |
| 4" x 2" | 4020-DA-AL | 4020-DA-SS[1] |
| 4" x 2-1/2" | 4025-DA-AL | 4025-DA-SS[1] |
| 4" x 3" | 4030-DA-AL | 4030-DA-SS |
| 4" x 5" | 4050-DA-AL | --- |
| 4" x 6" | 4060-DA-AL | 4060-DA-SS[1] |
| 5" x 3" | 5030-DA-AL[1] | 5030-DA-SS[1] |
| 5" x 4" | 5040-DA-AL | 5040-DA-SS[1] |
| 5" x 6" | 5060-DA-AL[1] | 5060-DA-SS[1] |
| 6" x 3" | 6030-DA-AL | 6030-DA-SS[1] |
| 6" x 4" | 6040-DA-AL | 6040-DA-SS |
| 6" x 5" | 6050-DA-AL | 6050-DA-SS[1] |
| 8" x 6" | 8060-DA-AL[1, 2] | --- |

[1] Parts are produced as a welded fabrication
[2] The 8" coupler only interchanges with Dixon® adapters.


4030-DA-SS


4060-DA-AL


2015-DA-AL

| Size | Brass Part # | Unplated Malleable Iron Part # |
|---|---|---|
| 3" x 2" | 3020-DA-BR | 3020-DA-MI |
| 3" x 4" | 3040-DA-BR | --- |
| 4" x 3" | 4030-DA-BR | 4030-DA-MI |
| 6" x 4" | 6040-DA-BR | 6040-DA-MI |

NOTE: In jump size cam & groove couplings, the coupler is the first size in the part number. (i.e., a 4030-DA-AL is a 4" coupler to a 3" adapter)


5060-DA-AL

B

## Boss-Lock Type DA Jump Size

### Coupler x Adapter



**Features**

- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71
- All Boss-Lock couplers are supplied with pull-ring safety clips

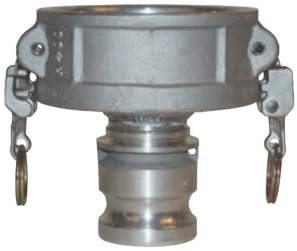
| Size | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 2" x 3" | ADA2030[1] | RDA2030BL[1] |
| 2-1/2" x 2" | ADA2520[1] | --- |
| 2-1/2" x 3" | ADA2530[1] | --- |
| 3" x 2" | ADA3020 | RDA3020BL |
| 3" x 4" | ADA3040[1] | RDA3040BL[1] |
| 4" x 2" | ADA4020[1] | RDA4020BL[1] |
| 4" x 3" | ADA4030 | RDA4030BL |
| 6" x 4" | ADA6040[1] | --- |
| 8" x 6" | ADA8060[1,2] | --- |

[1] Parts are produced as a welded fabrication
[2] The 8" coupler only interchanges with 8" Boss-Lock couplings.

NOTE: In jump size cam & groove couplings, the coupler is the first size in the part number. (i.e., a ADA4030 is a 4" coupler to a 3" adapter)

## EZ Boss-Lock Type DA Jump Size

### Coupler x Adapter



**Feature**

- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71

| Size | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 2" x 1" | --- | RDA2010EZ[1] |
| 2" x 3" | ADA2030EZ[1] | RDA2030EZ[1] |
| 3" x 2" | ADA3020EZ | RDA3020EZ |
| 3" x 4" | ADA3040EZ[1] | RDA3040EZ[1] |
| 4" x 2" | ADA4020EZ[1] | RDA4020EZ[1] |
| 4" x 3" | ADA4030EZ | RDA4030EZ |
| 6" x 4" | ADA6040EZ[1] | RDA6040EZ |

[1] Parts are produced as a welded fabrication

NOTE: In jump size cam & groove couplings, the coupler is the first size in the part number. (i.e., a ADA4030EZ is a 4" coupler to a 3" adapter)

## Dixon® Type DA Jump Size with Port

### Coupler x Adapter




**Feature**

- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71

| Size | Port | 316 Stainless Steel Part # |
|---|---|---|
| 3" x 2" | 1/4" | 3020DAT25SS |
| 3" x 2" | 3/8" | 3020DAT38SS |
| 3" x 2" | 1/2" | 3020DAT50SS |
| 3" x 2" | 3/4" | 3020DAT75SS |

NOTE: In jump size cam & groove couplings, the coupler is the first size in the part number. (i.e., a ADA4030EZ is a 4" coupler to a 3" adapter)

## Type AA Spool Adapters

### Adapter x Adapter

**Feature**

- Pressure rating is based on the seal of the mating part, see ratings on page 20

| Size | 356T6 Aluminum Part # | 316 Stainless Steel Part # | Unplated Malleable Iron Part # |
|---|---|---|---|
| 1" | --- | 100-AA-SS | --- |
| 1-1/4" | --- | 125-AA-SS[1] | --- |
| 1-1/2" | 150-AA-AL | 150-AA-SS | --- |
| 1-1/2" x 2" | 1520-AA-AL | 1520-AA-SS | --- |
| 2" | 200-AA-AL | 200-AA-SS | --- |
| 2" x 3" | 2030-AA-AL | 2030-AA-SS | --- |
| 2" x 4" | 2040-AA-AL | 2040-AA-SS[1] | --- |
| 2-1/2" x 3" | 2530-AA-AL[1] | 2530-AA-SS[1] | --- |
| 2-1/2" x 4" | 2540-AA-AL[1] | --- | --- |
| 3" | 300-AA-AL | 300-AA-SS | --- |
| 3" x 4" | 3040-AA-AL | 3040-AA-SS[1] | --- |
| 4" | 400-AA-AL | 400-AA-SS | 400-AA-MI |
| 4" x 5" | 4050-AA-AL | --- | --- |
| 4" x 6" | 4060-AA-AL | 4060-AA-SS[1] | --- |
| 5" | 500-AA-AL[1] | 500-AA-SS[1] | --- |
| 5" x 6" | 5060-AA-AL[1] | --- | --- |
| 6" | 600-AA-AL | 600-AA-SS[1] | --- |

[1] Parts are produced as a welded fabrication



increaser / reducer



same size

| Size | Brass Part # |
|---|---|
| 2" | 200-AA-BR |
| 3" | 300-AA-BR |

## Dixon® Type DD Couplers

### Coupler x Coupler

**Feature**

- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71

| Size | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1-1/2" | --- | 150-DD-SS[1] |
| 2" | 200-DD-AL | 200-DD-SS |
| 2" x 3" | 2030-DD-AL | 2030-DD-SS |
| 3" | 300-DD-AL | 300-DD-SS |
| 3" x 4" | 3040-DD-AL | 3040-DD-SS[1] |
| 4" | 400-DD-AL | 400-DD-SS |
| 4" x 5" | 4050-DD-AL[1] | 4050-DD-SS[1] |
| 4" x 6" | 4060-DD-AL[1] | 4060-DD-SS |
| 5" | 500-DD-AL[1] | 500-DD-SS |
| 6" | 600-DD-AL | --- |

[1] Parts are produced as a welded fabrication



reducer / increaser



same size

## Boss-Lock Type DD Couplers

### Coupler x Coupler

**Features**

- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71
- All Boss-Lock couplers are supplied with pull-ring safety clips

| Size | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 2" | ADD200[1] | RDD200EZ |
| 2" x 1" | --- | RDD2010EZ[1] |
| 2" x 3" | ADD2030[1] | RDD2030EZ[1] |
| 3" | ADD300[1] | RDD300EZ[1] |
| 3" x 4" | ADD3040[1] | RDD3040EZ[1] |
| 4" | ADD400[1] | RDD400EZ[1] |
| 6" | --- | RDD600EZ[1] |



reducer / increaser



B

## Type A Jump Size Adapters



**Adapter x Female NPT**

**Feature**
- Pressure rating is based on the seal of the mating part, see ratings on page 20

| Size | 356T6 Aluminum Part # | Brass Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 2" x 1-1/2" | 2015-A-AL | --- | 2015-A-SS[1] |
| 2" x 3" | 2030-A-AL | --- | 2030-A-SS |
| 2-1/2" x 2" | --- | 2520-A-BR | --- |
| 3" x 2" | 3020-A-AL | --- | 3020-A-SS |
| 3" x 4" | 3040-A-AL | --- | --- |
| 4" x 3" | 4030-A-AL | --- | 4030-A-SS[1] |
| 4" x 6" | 4060-A-AL | --- | --- |
| 6" x 4" | 6040-A-AL | --- | 6040-A-SS[1] |

[1] Parts are produced as a welded fabrication

NOTE: In jump size couplings, the cam & groove end is the first size given in the part number. (i.e., a 4030-C-AL is a 4" coupler to a 3" hose shank).

## Dixon® Type B Jump Size Couplers




**Coupler x Male NPT**

**Feature**
- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71

| Size | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1-1/2" x 1" | 1510-B-AL | 1510-B-SS[1] |
| 2" x 1-1/2" | 2015-B-AL | 2015-B-SS[1] |
| 2" x 3" | 2030-B-AL | --- |
| 3" x 2" | 3020-B-AL | 3020-B-SS[1] |
| 3" x 4" | 3040-B-AL | --- |
| 4" x 3" | 4030-B-AL | 4030-B-SS[1] |

[1] Parts are produced as a welded fabrication

NOTE: In jump size couplings, the cam & groove end is the first size given in the part number. (i.e., a 4030-C-AL is a 4" coupler to a 3" hose shank).

## Dixon Type C Jump Size Couplers




**Coupler x Hose Shank**

**Feature**
- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71

| Size | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1-1/2" x 1" | --- | 1510-C-SS |
| 2" x 1-1/2" | 2015-C-AL[1] | 2015-C-SS[1] |
| 3" x 2" | 3020-C-AL | 3020-C-SS |
| 3" x 2-1/2" | --- | 3025-C-SS |
| 3" x 4" | 3040-C-AL | --- |
| 4" x 3" | 4030-C-AL | 4030-C-SS[1] |
| 5" x 4" | 5040-C-AL[1] | --- |

[1] Parts are produced as a welded fabrication

NOTE: In jump size couplings, the cam & groove end is the first size given in the part number. (i.e., a 4030-C-AL is a 4" coupler to a 3" hose shank).

## EZ Boss-Lock Type C Jump Size Coupler

New



**Coupler x King Crimp® Hose Shank**

**Feature**
- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71

| Size | 316 Stainless Steel Part # |
|---|---|
| 3" x 2-1/2" | RC3025EZCR |

NOTE: In jump size couplings, the cam & groove end is the first size given in the part number. (i.e., a 4030-C-AL is a 4" coupler to a 3" hose shank).

## Dixon® Type D Jump Size Couplers

### Coupler x Female NPT

**Feature**
- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71

| Size | 356T6 Aluminum Part # | Optional Qty | Brass Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1-1/2" x 1" | 1510-D-AL | 10 | --- | 1510-D-SS[1] |
| 2" x 1-1/2" | 2015-D-AL | 10 | --- | 2015-D-SS |
| 3" x 2" | 3020-D-AL | 10 | --- | 3020-D-SS |
| 4" x 3" | 4030-D-AL | 10 | 4030-D-BR | 4030-D-SS[1] |
| 5" x 4" | 5040-D-AL[1] | --- | --- | --- |
| 6" x 4" | 6040-D-AL[1] | --- | --- | --- |



[1] Parts are produced as a welded fabrication

NOTE: In jump size couplings, the cam & groove end is the first size given in the part number. (i.e., a 4030-C-AL is a 4" coupler to a 3" hose shank).

## Type E Jump Size Adapters

### Adapter x Hose Shank

**Feature**
- Pressure rating is based on the seal of the mating part, see ratings on page 20

| Size | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1-1/2" x 1" | --- | 1510-E-SS |
| 2" x 1-1/2" | 2015-E-AL[1] | 2015-E-SS[1] |
| 3" x 2" | --- | 3020-E-SS[1] |
| 3" x 2-1/2" | --- | 3025-E-SS |
| 4" x 3" | 4030-E-AL | 4030-E-SS[1] |
| 5" x 4" | 5040-E-AL[1] | --- |



[1] Parts are produced as a welded fabrication

NOTE: In jump size couplings, the cam & groove end is the first size given in the part number. (i.e., a 4030-B-AL is a 4" coupler to a 3" male NPT).

## Type F Jump Size Adapters

### Adapter x Male NPT

**Feature**
- Pressure rating is based on the seal of the mating part, see ratings on page 20

| Size | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1-1/2" x 2" | 1520-F-AL | --- |
| 2" x 1-1/2" | 2015-F-AL | 2015-F-SS |
| 2" x 3" | 2030-F-AL | --- |
| 3" x 1-1/2" | 3015-F-AL | 3015-F-SS[1] |
| 3" x 2" | 3020-F-AL | 3020-F-SS |
| 3" x 4" | 3040-F-AL | --- |
| 4" x 3" | 4030-F-AL | 4030-F-SS |



[1] Parts are produced as a welded fabrication

NOTE: In jump size couplings, the cam & groove end is the first size given in the part number. (i.e., a 4030-C-AL is a 4" coupler to a 3" hose shank).

B

## Dixon® Type DA 45° Elbows

### Adapter x Coupler



**Feature**
- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71

| Size | 356T6 Aluminum Part # | 316 Stainless Steel Part # | Unplated Malleable Iron Part # |
|---|---|---|---|
| 2" | 200DA-45AL[1] | 200DA-45SS[1] | --- |
| 3" | 300DA-45AL | 300DA-45SS[1] | --- |
| 4" | 400DA-45AL | 400DA-45SS[1] | 400DA-45MI |
| 6" | 600DA-45AL | --- | --- |

[1] Part is produced as a welded fabrication

## Dixon Type DD 45° Elbows

### Coupler x Coupler



**Feature**
- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71

| Size | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 2" | 200DD-45AL[1] | --- |
| 3" | 300DD-45AL[1] | 300DD-45SS[1] |
| 4" | 400DD-45AL | --- |
| 6" | 600DD-45AL[1] | --- |

[1] Part is produced as a welded fabrication

## Dixon Type DA 90° Elbows

### Adapter x Coupler



**Feature**
- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71

| Size | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1" | --- | 100DA-90SS[1] |
| 1-1/2" | 150DA-90AL[1] | 150DA-90SS[1] |
| 2" | 200DA-90AL | 200DA-90SS |
| 3" | 300DA-90AL | 300DA-90SS |
| 4" | 400DA-90AL | 400DA-90SS |
| 5" | 500DA-90AL[1] | --- |
| 6" | 600DA-90AL | RDA90600EZ[1, 2] |

[1] Part is produced as a welded fabrication
[2] EZ Boss-Lock design (not pictured)

## Dixon Type DD 90° Elbows

### Coupler x Coupler



**Feature**
- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71

| Size | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 2" | 200DD-90AL | --- |
| 3" | 300DD-90AL | 300DD-90SS[1] |
| 4" | 400DD-90AL | --- |
| 6" | 600DD-90AL | --- |

[1] Part is produced as a welded fabrication

## Type A 90°Adapters Elbows

### Adapter x Female NPT



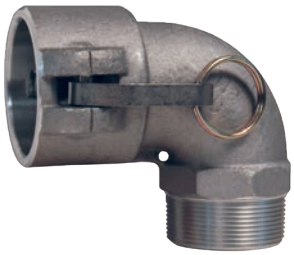
**Feature**
- Pressure rating is based on the seal of the mating part, see ratings on page 20

| Size | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1-1/2" | 150A-90AL | --- |
| 2" | 200A-90AL | 200A-90SS[1] |
| 3" | 300A-90AL | 300A-90SS |
| 4" | 400A-90AL | --- |

## Type B 90° Dixon® Elbows

### Coupler x Male NPT

**Feature**
- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71



| Size | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1-1/2" | 150B-90AL | --- |
| 2" | 200B-90AL | 200B-90SS [1] |
| 3" | --- | 300B-90SS [1] |

[1] Parts are produced as a welded fabrication.

## Type C 90° Dixon Elbows

### Coupler x Hose Shank

**Feature**
- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71



| Size | 356T6 Aluminum Part # | Brass Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1-1/4" | --- | 125C-90BR | --- |
| 1-1/2" | 150C-90AL | --- | 150C-90SS |
| 2" | 200C-90AL | 200C-90BR | 200C-90SS |
| 3" | 300C-90AL | --- | 300C-90SS |
| 4" | 400C-90AL | --- | 400C-90SS[1] |
| 6" | 600C-90AL | --- | --- |

[1] Part is produced as a welded fabrication

## Type D 90° Dixon Elbows

### Coupler x Female NPT

**Feature**
- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71





EZ Boss-Lock design

| Size | 356T6 Aluminum Part # | Brass Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1" | --- | --- | 100D-90SS |
| 1-1/4" | --- | 125D-90BR | --- |
| 1-1/2" | 150D-90AL | 150D-90BR | --- |
| 2" | 200D-90AL | 200D-90BR | 200D-90SS |
| 2" | --- | BD90200EZ[2] | --- |
| 3" | 300D-90AL | --- | 300D-90SS |
| 4" | 400D-90AL | --- | 400D-90SS[1] |
| 4" | AD90400EZ[2] | --- | --- |
| 6" | 600D-90AL | --- | --- |

[1] Part is produced as a welded fabrication
[2] EZ Boss-Lock design

B

## Type E 90° Elbows

### Adapter x Hose Shank



**Feature**

- Pressure rating is based on the seal of the mating part, see ratings on page 20

| Size | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 2" | --- | 200E-90SS[1] |
| 3" | 300E-90AL | 300E-90SS |
| 4" | 400E-90AL | 400E-90SS[1] |

[1] Parts are produced as a welded fabrication

## Type F 90° Elbows

### Adapter x Male NPT



**Feature**

- Pressure rating is based on the seal of the mating part, see ratings on page 20

| Size | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1-1/2" | 150F-90AL | --- |
| 2" | 200F90AL | 200F-90SS[1] |
| 3" | --- | 300F-90SS[1] |

[1] Parts are produced as a welded fabrication

New



## Type F 15° Elbows

### Adapter x Male NPT

**Feature**

- Pressure rating is based on the seal of the mating part, see ratings on page 20

| Size | 316 Stainless Steel Part # |
|---|---|
| 2" | 200F-15SS |

## Adapter x 150# Flange

**Features**
- Aluminum and unplated iron flanges are flat face
- Stainless steel flanges are raised face
- Reference dixonvalve.com for flange bolt hole drilling circle standards
- Flanges are designed to mate with 150# flanges
- Flanges have the same bolt hole pattern as an ANSI 150 lb. flange, the thickness may vary

| Size | 356T6 Aluminum Part # | Flange Thick. | Unplated Malleable Iron Part # | Flange Thick. | 316 Stainless Steel Part # | Flange Thick. |
|---|---|---|---|---|---|---|
| 1" | --- | --- | --- | --- | 100-AL-SS | 9/16" |
| 1-1/2" | --- | --- | --- | --- | 150-AL-SS | 11/16" |
| 2" | 200-AL-AL | 3/4" | --- | --- | 200-AL-SS | 7/16" |
| 3" | 300-AL-AL | 5/8" | 300-AL-MI | 5/8" | 300-AL-SS | 7/16" |
| 4" | 400-AL-AL | 5/8" | --- | --- | 400-AL-SS | 7/16" |
| 6" | 600-AL-AL | 5/8" | --- | --- | 600-AL-SS | 5/8" |
| 8" | 800-AL-AL[1] | 1-1/8" | --- | --- | --- | --- |

[1] Part is produced as a welded fabrication

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.



## Adapter x 150# ANSI Flange

**Feature**
- Global product made to Dixon® specifications

| Size | 316 Stainless Steel Part # | Flange Thickness |
|---|---|---|
| 2" | 200-AL-SSANSI | 3/4" |
| 3" | 300-AL-SSANSI | 15/16" |

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.



## Dixon Coupler x 150# Flange

**Feature**
- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71

| Size | 356T6 Aluminum Part # | Flange Thick | 316 Stainless Steel Part # | Flange Thick. |
|---|---|---|---|---|
| 1" | --- | --- | 100-DL-SS | 21/32" |
| 1-1/2" | --- | --- | 150-DL-SS | 25/32" |
| 2" | 200-DL-AL | 3/4" | 200-DL-SS | 7/16" |
| 3" | 300-DL-AL | 15/16" | 300-DL-SS | 7/16" |
| 4" | 400-DL-AL | 15/16" | 400-DL-SS | 7/16" |
| 6" | 600-DL-AL | 1" | 600-DL-SS | 5/8" |
| 8" | 800-DL-AL[1] | 1-1/8" | --- | --- |

[1] Part is produced as a welded fabrication

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.



## EZ Boss-Lock Coupler x 150# Flange

**Feature**
- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71

| Size | 316 Stainless Steel Part # | Flange Thickness |
|---|---|---|
| 1" | RDL100EZ[1] | 9/16" |
| 1-1/2" | RDL150EZ[1] | 11/16" |
| 2" | RDL200EZ | 7/16" |
| 3" | RDL300EZ[1] | 7/16" |
| 4" | RDL400EZ[1] | 7/16" |
| 6" | RDL600EZ[1] | 1" |

[1] Parts are produced as a welded fabrication



B

## Dixon® Coupler Socket Weld to Schedule 40 Pipe



**Features**

- Not all configurations are stocked
- Boss-Lock versions are also available; consult Dixon for pricing and availability
- CAD models are for reference only; consult Dixon for specific dimensions
- Final weld preparation, as with all weld fittings, is the responsibility of the welder

| Size | Bore | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 3/4" | 1.065 | --- | 75DWSPSS |
| 1" | 1.330 | 100DWSPAL | 100DWSPSS |
| 1-1/2" | 1.915 | 150DWSPAL | 150DWSPSS |
| 2" | 2.390 | 200DWSPAL | 200DWSPSS |
| 3" | 3.530 | 300DWSPAL | 300DWSPSS |
| 4" | 4.530 | 400DWSPAL | 400DWSPSS |
| 5" | 5.562 | 500DWSPAL | 500DWSPSS |
| 6" | 6.655 | 600DWSPAL | 600DWSPSS |
| 8" | 8.711 | 800DWSPAL[1] | --- |

[1] Dixon and Boss-Lock cam & groove couplings do not interchange in the 8" *size* The 8" Dixon design has 4 cam arms.

## Dixon Coupler Butt Weld to Schedule 40 Pipe/Socket Weld to Nominal Tubing



| Size | Bore | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 3/4" | .765 | --- | 75DWBPSTSS |
| 1" | 1.015 | --- | 100DWBPSTSS |
| 1-1/2" | 1.515 | 150DWBPSTAL | 150DWBPSTSS |
| 2" | 2.015 | 200DWBPSTAL | 200DWBPSTSS |
| 3" | 3.015 | 300DWBPSTAL | 300DWBPSTSS |
| 4" | 4.015 | 400DWBPSTAL | 400DWBPSTSS |
| 5" | 5.015 | 500DWBPSTAL | --- |
| 6" | 6.020 | 600DWBPSTAL | --- |

## EZ Boss-Lock Coupler Socket Weld to Schedule 40 Pipe

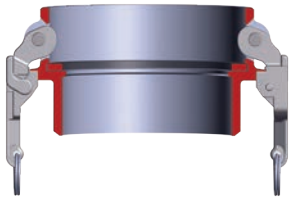


| Size | Bore | 316 Stainless Steel Part # |
|---|---|---|
| 3/4" | 1.065 | RDWSP075EZ |
| 1" | 1.330 | RDWSP100EZ |
| 1-1/2" | 1.915 | RDWSP150EZ |
| 2" | 2.390 | RDWSP200EZ |
| 3" | 3.530 | RDWSP300EZ |
| 4" | 4.530 | RDWSP400EZ |
| 6" | 6.655 | RDWSP600EZ |

## EZ Boss-Lock Coupler Butt Weld to Schedule 40 Pipe / Socket Weld to Nominal Tubing

**Feature**
- Nitrile rubber gaskets standard, other gaskets available on pages 68 - 71





| Size | Bore | 316 Stainless Steel Part # |
|---|---|---|
| 3/4" | .765 | RDWBPST075EZ |
| 1" | 1.015 | RDWBPST100EZ |
| 1-1/2" | 1.515 | RDWBPST150EZ |
| 2" | 2.015 | RDWBPST200EZ |
| 3" | 3.015 | RDWBPST300EZ |
| 4" | 4.015 | RDWBPST400EZ |
| 6" | 6.020 | RDWBPST600EZ |

## Adapter Socket Weld to Schedule 40 Pipe

**Feature**
- Not all configurations are stocked





| Size | Bore | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 3/4" | 1.065 | --- | 75AWSPSS |
| 1" | 1.330 | --- | 100AWSPSS |
| 1-1/2" | 1.915 | 150AWSPAL | 150AWSPSS |
| 2" | 2.390 | 200AWSPAL | 200AWSPSS |
| 3" | 3.530 | 300AWSPAL | 300AWSPSS |
| 4" | 4.530 | 400AWSPAL | 400AWSPSS |
| 5" | 5.593 | 500AWSPAL | 500AWSPSS |
| 6" | 6.655 | 600AWSPAL | 600AWSPSS |
| 8" DIX | 8.711 | 800AWSPAL[1] | --- |
| 8" BL | 8.711 | 801AWSPAL[1] | --- |

[1] Dixon® and Boss-Lock cam & groove couplings do not interchange in the 8" size.
NOTE: Final weld preparation, as with all weld fittings, is the responsibility of the welder.

## Adapter Butt Weld to Schedule 40 Pipe/Socket Weld to Nominal Tubing





| Size | Bore | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 3/4" | .765 | --- | 75AWBPSTSS |
| 1" | 1.015 | --- | 100AWBPSTSS |
| 1-1/2" | 1.515 | 150AWBPSTAL | 150AWBPSTSS |
| 2" | 2.015 | 200AWBPSTAL | 200AWBPSTSS |
| 3" | 3.015 | 300AWBPSTAL | 300AWBPSTSS |
| 4" | 4.015 | 400AWBPSTAL | 400AWBPSTSS |
| 5" | 5.015 | 500AWBPSTAL | 500AWBPSTSS |
| 6" | 6.020 | 600AWBPSTAL | 600AWBPSTSS |
| 8" BL | 8.035 | 801AWBPSTAL[1] | --- |

[1] Dixon and Boss-Lock cam & groove couplings do not interchange in the 8" size

B

## Adapter x Female NPSM



**Application**
- Used in the delivery of dry goods

**Features**
- Cork nitrile rubber gaskets are standard in threaded end
- Pressure rating is based on the seal of the mating part, see ratings on page 20
- Replacement gasket; 400GAGFI

| Size | 356T6 Aluminum Part # |
|---|---|
| 4" | 400-AS-AL |

## Boss-Lock Coupler x Female NPSM



**Features**
- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71
- All Boss-Lock couplers are supplied with pull-ring safety clips

| Size | 356T6 Aluminum Part # |
|---|---|
| 4" | ADS400 |

## Dixon® Coupler x Adapter Wye



**Feature**
- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71

| Size | 356T6 Aluminum Part # |
|---|---|
| 2" | 200YDAAAL |
| 4" | 400YDAAAL[1] |

[1] Parts are produced as a welded fabrication.

## Cam & Groove Hydrant Adapters



**Features**
- Pin lugs allow for easy connection using standard spanner and hydrant wrenches on pages 828 - 831
- Supplied with a nitrile rubber washer in the threaded end

| Female NST (NH) Thread | Male Adapter | Brass Part # | Aluminum Part # |
|---|---|---|---|
| 1-1/2" | 1-1/2" | HA1515ADP | AHA1515ADP |
| 2-1/2" | 2-1/2" | HA2525ADP | AHA2525ADP |



**Replacement Washers**

| I.D. | O.D. | Thickness | Nitrile Rubber Part # |
|---|---|---|---|
| 1-9/16" | 2-1/16" | 1/8" | SW150 |
| 2-9/16" | 3-3/16" | 3/16" | SW250 |

NOTE: All adapters are made to approved Dixon specifications.

## Boss-Lock Coupler x Tube with 45° Cut

**Application**
- For use on trailer relief valves

**Features**
- Butt weld to tubing
- Nitrile rubber gaskets standard, other gaskets available on pages 68 - 71
- All Boss-Lock couplers are supplied with pull-ring safety clips



| Size | 356T6 Aluminum Part # |
|---|---|
| 2" | AC200TUBE |

## In-Line Sight Glasses

**Application**
- Designed for dry bulk transfer hose

**Feature**
- Not intended for liquid service. For dry bulk transfer *only.*

**Materials**
- Body: aluminum
- Seals: nitrile rubber
- Sight glass: acrylic
- Hardware: stainless steel
- Cam arms (where applicable): bronze

### Coupler x Adapter



| Size | Aluminum Part # |
|---|---|
| 3" x 3" | 3533CA |
| 3" x 4" | 3534CA |
| 4" x 3" | 3543CA |
| 4" x 4" | 3544CA |

### Adapter x Adapter



| Size | Aluminum Part # |
|---|---|
| 3" x 3" | 3533AA |
| 3" x 4" | 3534AA |
| 4" x 4" | 3544AA |

### Coupler x Coupler



| Size | Aluminum Part # |
|---|---|
| 3" x 3" | 3533CC |
| 4" x 3" | 3543CC |
| 4" x 4" | 3544CC |

B

## Dixon® Cam & Groove Handles

**Features**
- Pull rings are standard on sizes 1-1/4" thru 6", optional on other sizes
- Domestic Dixon standard handle assemblies are only to be used with standard Dixon parts (not global), handles do not interchange with other manufacturers' handles or couplers

**Materials**
- Stainless steel pins standard with all assemblies
- Roll pins are 302 stainless; solid pins are 303 stainless


brass


316 sintered stainless steel


316 investment stainless steel

| Coupler Size | Description | Brass Part # | 316 Sintered Stainless Steel Part # |
|---|---|---|---|
| 1/2" | cam arm and pin | --- | 50-HP-SP |
| 3/4" | cam arm and pin | --- | 75-HP-SP |
| 1" | cam arm and pin | --- | 100-HP-SP |
| 1-1/4" - 2-1/2" | cam arm, ring, and pin | 200-HRP-BR | 200-HRP-SP |
| 3" - 5" | cam arm, ring, and pin | 300-HRP-BR | 300-HRP-SP |
| 6" | cam arm, ring, and pin | 600-HRP-BR | --- |
| 8" | cam arm and pin | 800-HNP-BR | --- |

| Coupler Size | Description | 316 Investment Stainless Steel Part # |
|---|---|---|
| 2" | cam arm, ring and pin | 200-HSCRP-SI |
| 3" | cam arm, ring and pin | 300-HSCRP-SI |
| 6" | cam arm, ring and pin | 600-HRP-SI |

## Dixon Cam & Groove Locking Handles for Dust Caps


200-LH-SI


300-LH-BR

**Features**
- Dixon locking handles are only to be used with standard Dixon parts (not global), handles do not interchange with other manufacturers' handles or couplers
- Not supplied with pins

| Coupler Size | Hole Diameter | Brass Part # | 316 Investment Stainless Steel Part # |
|---|---|---|---|
| 2" | 9/32" | 200-LH-BR | 200-LH-SI |
| 3" | 5/16" | 300-LH-BR | 300-LH-SI |
| 4" | 3/8" | 400-LH-BR | 400-LH-SI |

## Boss-Lock Cam & Groove Handles

**Feature**
- Boss-Lock handles should only be used with Boss-Lock parts, handles do not interchange with other manufacturers' handles or couplers


IHSC152


IH6

| Coupler Size | Brass Part # | 316 Investment Stainless Steel Part # | Plated Iron Part # |
|---|---|---|---|
| 3/4" - 1" | BHSC175 | RHSC175 | --- |
| 1-1/4" - 2-1/2" | BHSC152 | RHSC152 | IHSC152 |
| 3" and 4" | BHSC34 | RHSC34 | IHSC34 |

| Coupler Size | Brass Part # | Plated Iron Part # |
|---|---|---|
| 6" and 8" | BH6 | IH6 |

## EZ Boss-Lock Cam & Groove Handles

**Materials**
- Investment cast stainless steel cam arm and lever
- 316 stainless steel spring
- Stainless steel pin, washer; plated carbon steel pull ring



| Coupler Size | Investment Cast Stainless Steel Part # |
|---|---|
| 3/4" - 1" | RHEZ175 |
| 1-1/4" - 2-1/2" | RHEZ152 |
| 3" - 5" | RHEZ34 |
| 6" and 8" | RHEZ6 |

## EZ Boss-Lock Cam & Groove Paddle Handle

**Materials**
- Investment cast stainless steel cam arm and lever
- 316 stainless steel spring
- Stainless steel pin, washer



| Coupler Size | Investment Cast Stainless Steel Part # |
|---|---|
| 3" - 5" | RHEZ34PAD |

Under no circumstances should the EZ Boss-Lock cam arms be used on any fitting not specifically produced for their use. The aluminum, brass, and iron are made from sand castings. To ensure proper functioning of the EZ Boss-Lock cam arm assemblies, we sort the castings to ensure there is sufficient length and orientation on the lugs on the main casting to engage the lever. We also buff or grind the rougher sand cast surface to ensure that the lever will move freely. The EZ Boss-Lock cam arms cannot be retrofitted onto existing aluminum, brass, or plated iron Boss-Lock already in service.

## Dixon® Coupling Paddle Handles

**Features**
- Dixon paddle handles are only to be used with standard Dixon parts (not global), handles do not interchange with other manufacturers' handles or couplers
- Not supplied with pins



316 investment cast stainless steel

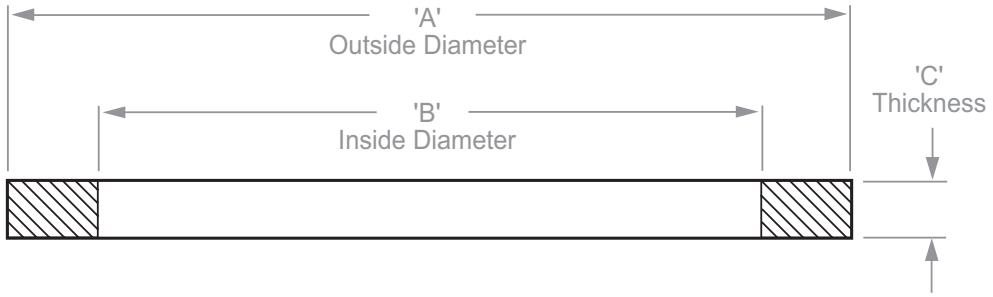


brass

| Coupler Size | Brass Part # | 316 Investment Cast Stainless Steel Part # |
|---|---|---|
| 3" and 4" | 300H-PADBR | 300H-PADSS |

B

## Cam & Groove Gasket Dimensions




**Features**

- Nominal dimensions for elastomeric cam & groove gaskets are listed
- I.D.s of the PTFE envelope gaskets and the PTFE accordion gaskets are 1/16" smaller than the I.D.s for the elastomeric gaskets shown below
- Thickness of PTFE accordion gaskets may vary from chart below

| Size | Part # | Dimensions | | |
|---|---|---|---|---|
| | | A | B | C |
| 1/2" | 50-G [1] | 1-1/32" | 11/16" | .156" |
| 3/4" | 75-G | 1-3/8" | 7/8" | .218" |
| 1" | 100-G | 1-9/16" | 1-1/16" | .250" |
| 1-1/4" | 125-G | 1-15/16" | 1-23/64" | .250" |
| 1-1/2" | 150-G | 2-3/16" | 1-5/8" | .250" |
| 2" | 200-G | 2-5/8" | 2" | .250" |
| 2-1/2" | 250-G | 3-1/8" | 2-3/8" | .250" |
| 3" | 300-G | 3-23/32" | 3" | .250" |
| 4" | 400-G | 4-7/8" | 4" | .250" |
| 5" | 500-G | 5-15/16" | 4-7/8" | .250" |
| 6" | 600-G | 7-1/16" | 6" | .250" |
| 8" | 800-G [1] | 9-5/16" | 8-1/8" | .343" |

[1] No interchange standard exists for the 1/2", 5", and 8" fittings. Generally, these sizes do not interchange with other manufacturers' products. As such, the gaskets in these sizes are not suitable for use in other manufacturers' couplings.

## Cam & Groove Gasket Color Codes

| Gasket Code [1] | Material | Color | Color code stripes (appear on the O.D. of the gasket or filler) |
|---|---|---|---|
| -BU | Nitrile rubber (standard in all metal fittings) | black | 1 blue |
| -BF | Nitrile rubber (formulated for fuel service) | black | 1 green |
| -VI | FKM-A | green | none |
| -VIA | FKM-A | black | 1 yellow |
| -THK | Extra Thick Nitrile rubber | black | 2 blue |
| -EPR | Ethylene Propylene | black | 1 white |
| -NE | Neoprene | black | 1 red |
| -WNE | White Neoprene, FDA approved material | white | none |
| -WB | White nitrile rubber, FDA approved material | white | blue |
| -SIL | Silicone | red | none |
| -TF | PTFE (TFE) envelope with nitrile rubber filler | white / black | 1 blue |
| TFVI | PTFE (TFE) envelope with FKM filler | white / black | 1 yellow |
| TFWB | PTFE (TFE) envelope with White nitrile rubber filler, FDA approved materials | white / white | blue |
| TFEP | PTFE (TFE) envelope with Ethylene Propylene filler | white / black | 1 white stripe |
| -TES | PTFE (FEP) encapsulated Silicone core, FDA approved materials | translucent / red | none |
| -TEV | PTFE (FEP) encapsulated FKM core | translucent / black | none |
| TFACC | PTFE (TFE) accordion, FDA approved materials | white | none |

[1] Part number suffix

NOTE: Since other manufacturers' coding systems vary, this chart should not be used as a reference in identifying

## Cam & Groove Gaskets

| Size | Nitrile Rubber Part # | Green FKM-A Part # | Black FKM-A Part # |
|---|---|---|---|
| 1/2" | 50-G-BU | 50-G-VI | 50-G-VIA |
| 3/4" | 75-G-BU | 75-G-VI | 75-G-VIA |
| 1" | 100-G-BU | 100-G-VI | 100-G-VIA |
| 1-1/4" | 125-G-BU | 125-G-VI | 125-G-VIA |
| 1-1/2" | 150-G-BU | 150-G-VI | 150-G-VIA |
| 2" | 200-G-BU | 200-G-VI | 200-G-VIA |
| 2-1/2" | 250-G-BU | 250-G-VI | 250-G-VIA |
| 3" | 300-G-BU | 300-G-VI | 300-G-VIA |
| 4" | 400-G-BU | 400-G-VI | 400-G-VIA |
| 5" | 500-G-BU | 500-G-VI | 500-G-VIA |
| 6" | 600-G-BU | 600-G-VI | 600-G-VIA |
| 8" | 800-G-BU | 800-G-VI | 800-G-VIA |



nitrile rubber



FKM



FKM-A

| Size | Extra Thick Nitrile Rubber Part # | Ethylene Propylene Part # |
|---|---|---|
| 3/4" | --- | 75-G-EPR |
| 1" | 100GTHK | 100-G-EPR |
| 1-1/4" | 125GTHK | 125-G-EPR |
| 1-1/2" | 150GTHK | 150-G-EPR |
| 2" | 200GTHK | 200-G-EPR |
| 2-1/2" | 250GTHK | 250-G-EPR |
| 3" | 300GTHK | 300-G-EPR |
| 4" | 400GTHK | 400-G-EPR |
| 6" | 600GTHK | --- |



extra thick nitrile rubber



ethylene propylene

| Size | Neoprene Part # | Extra Thick Neoprene Part # | White Neoprene[1] Part # |
|---|---|---|---|
| 3/4" | 75-G-NE | --- | --- |
| 1" | 100-G-NE | --- | --- |
| 1-1/4" | 125-G-NE | --- | --- |
| 1-1/2" | 150-G-NE | --- | 150-G-WNE |
| 2" | 200-G-NE | 200-G-NETHK | 200-G-WNE |
| 2-1/2" | 250-G-NE | --- | --- |
| 3" | 300-G-NE | --- | 300-G-WNE |
| 4" | 400-G-NE | --- | 400-G-WNE |
| 5" | --- | --- | 500-G-WNE |
| 6" | --- | --- | 600-G-WNE |

[1] White neoprene gaskets contain FDA approved materials



neoprene



white neoprene

| Size | White Nitrile Rubber[1] Part # | Silicone Part # |
|---|---|---|
| 1" | --- | 100-G-SIL |
| 1-1/2" | --- | 150-G-SIL |
| 2" | 200-G-WB | 200-G-SIL |
| 2-1/2" | --- | 250-G-SIL |
| 3" | 300-G-WB | 300-G-SIL |
| 4" | 400-G-WB | 400-G-SIL |
| 5" | 500-G-WB | --- |



white nitrile rubber



## Fuel Gaskets



| Size | Material | Part # |
|---|---|---|
| 1-1/2" | nitrile rubber | 150-G-BF |
| 2" | nitrile rubber | 200-G-BF |
| 3" | nitrile rubber | 300-G-BF |
| 4" | nitrile rubber | 400-G-BF |
| 3" | extra thick nitrile rubber | 300GTHKBF |
| 4" | extra thick nitrile rubber | 400GTHKBF |

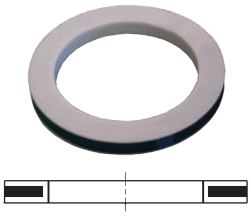
## Cam & Groove Envelope Gaskets

**Feature**

- Maximum operating temperatures for specific chemicals may be lower; contact Dixon® for specific recommendations

**Approval**

- PTFE white nitrile rubber filler (TFWB) contains FDA approved materials



envelope

| Size | PTFE (TFE) with Nitrile Rubber filler Part # | PTFE (TFE) with FKM filler Part # |
|---|---|---|
| 1/2" | 50-G-TF | 50-G-TF-VI |
| 3/4" | 75-G-TF | 75-G-TF-VI |
| 1" | 100-G-TF | 100GTFVI |
| 1-1/4" | 125-G-TF | 125GTFVI |
| 1-1/2" | 150-G-TF | 150GTFVI |
| 2" | 200-G-TF | 200GTFVI |
| 2-1/2" | 250-G-TF | 250GTFVI |
| 3" | 300-G-TF | 300GTFVI |
| 4" | 400-G-TF | 400GTFVI |
| 6" | 600-G-TF | 600GTFVI |

| Size | PTFE (TFE) with white Nitrile Rubber filler Part # | PTFE (TFE) with Ethylene Propylene filler Part # |
|---|---|---|
| 1-1/2" | --- | 150GTFEP |
| 2" | 200GTFWB | 200GTFEP |
| 3" | 300GTFWB | 300GTFEP |
| 4" | 400GTFWB | --- |
| 5" | 500GTFWB | --- |

NOTE: The torque (force) required to close the handles on a pair of cam & groove fittings will vary according to the gasket chosen. Due to the nature of the PTFE material, the various PTFE gasket designs will require the most torque, increasing as you go from envelope to encapsulated, and finally, accordion.

## Cam & Groove Encapsulated Gaskets

### Specifications

- Encapsulated gasket pressure ratings are reduced to **125 PSI** for 3/4" - 4" at ambient temperature **70°F (21°C)**
- PTFE encapsulated FKM (TEV) gaskets - maximum operating temperature **200°F (93°C)**
- PTFE encapsulated silicone (TES) gaskets - maximum operating temperature **225°F (107°C)**
- Maximum operating temperatures for specific chemicals may be lower; contact Dixon® for specific recommendations

### Approval

- PTFE encapsulated silicone (TES) gaskets contain FDA approved materials

| Size | PTFE (FEP) Encapsulated Silicone Part # | PTFE (FEP) Encapsulated FKM Part # |
|---|---|---|
| 1/2" | 50-G-TES | --- |
| 3/4" | 75-G-TES | 75-G-TEV |
| 1" | 100-G-TES | 100-G-TEV |
| 1-1/4" | 125-G-TES | 125-G-TEV |
| 1-1/2" | 150-G-TES | 150-G-TEV |
| 2" | 200-G-TES | 200-G-TEV |
| 2-1/2" | 250-G-TES | 250-G-TEV |
| 3" | 300-G-TES | 300-G-TEV |
| 4" | 400-G-TES | 400-G-TEV |



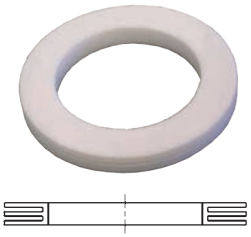
encapsulated

## Cam & Groove Accordion Gaskets

### Features

- PTFE accordion gaskets (TFACC) are recommended for use with viscous (thick) fluids only
- Maximum operating temperatures for specific chemicals may be lower; contact Dixon for specific recommendations

| Size | PTFE (TFE) Part # |
|---|---|
| 3/4" | 75GTFACC |
| 1" | 100GTFACC |
| 1-1/4" | 125GTFACC |
| 1-1/2" | 150GTFACC |
| 2" | 200GTFACC |
| 3" | 300GTFACC |



accordion

NOTE: The torque (force) required to close the handles on a pair of cam & groove fittings will vary according to the gasket chosen. Due to the nature of the PTFE material, the various PTFE gasket designs will require the most torque, increasing as you go from envelope to encapsulated, and finally, accordion.

## Witches Hat Strainers



**Features**
- Used with female cam & groove couplings
- Pre-attached nitrile rubber gasket

| Size | 304 Stainless Steel Part # |
|---|---|
| 3" | WH300-A |
| 4" | WH400-A |

## Gaskets for Witches Hat Strainers



| Size | Nitrile Rubber Gasket Part # |
|---|---|
| 3" | WH300-G |
| 4" | WH400-G |

## Disk Strainers



**Feature**
- Threads into bottom of female NPT fitting to protect equipment from large contaminants

| Size | Hole Size | 6061T6 Aluminum Part # | 304 Investment Cast Stainless Steel Part # |
|---|---|---|---|
| 2" | 1/4" | SDA200 | SDS200 |
| 3" | | SDA300 | SDS300 |
| 4" | | SDA400 | SDS400 |

## Pull Ring Safety Clips for Boss-Lock



| Coupler Size | Carbon Steel Part # | 316 Stainless Steel Part # |
|---|---|---|
| 3/4" - 1" | --- | 100PRSCSS |
| 1-1/4" - 2-1/2" | 200PRSCCS | 200PRSCSS |
| 3" and 4" | 300PRSCCS | 300PRSCSS |

## Pull Rings



| 304 Stainless Steel Part # |
|---|
| R200SS |

## Sash Chain with Pull Rings

**Materials**
- Brass chain, plated steel pull ring



| Length | Part # |
|---|---|
| 4-1/2" | J125 |
| 6-1/2" | J150 |
| 8-1/2" | J300 |

## Abrasion Resistant Inserts

**Features**
- Extends the life of adapters when transferring proppant to storage tanks
- Available for multiple adapters and multiple coupler materials

| Description | UHMW Polyethylene Part # |
|---|---|
| to be used with 400-A-AL, 400-A-BR, 400-A-MI, 400-A-SS | 400-A-INSERT |
| to be used with 400-C-AL | 400-C-INSERTAL |
| to be used with 400-C-MI | 400-C-INSERTMI |



400-A-INSERT



400-C-INSERTAL

## Clip for Boss-Lock Couplings

**Feature**
- .072 stainless steel wire

| Stainless Steel Part # |
|---|
| AC7 |



## Clip Assembly

**Features**
- For use with Boss-Lock couplings
- Includes pull ring, chain, and AC3 clip

| CarbonSteel Part # |
|---|
| BLCA152CS |



## Jack Chain with S-Hook

| Length | Material | Part # | Optional Qty |
|---|---|---|---|
| 6" | brass | CH-B-6 | 10 |
| 12" | brass | CH-B-12 | 10 |
| 24" | brass | CH-B-24 | --- |
| 12" | carbon steel | CH-C-12 | 10 |
| 6" | stainless | CH-SS-6 | 10 |
| 12" | stainless | CH-SS-12 | 10 |
| 24" | stainless | CH-SS-24 | 10 |



## Locking Cam Arm Velcro® Straps

**Application**
- Use with cam & groove couplers to prevent spills, secure from damage, and hold in place during transport

**Features**
- Used on the female end of a cam & groove coupler
- High visibility orange hook and loop with metal buckle provides strength, durability, and long life

**Specification**
- Temperature range: **-70°F to 200°F (-57°C** to **93°C)**

| Length | Used On | Part # |
|---|---|---|
| 12" | fits up to 1-1/2" coupler | CVS12 |
| 18" | fits up to 3" coupler | CVS18 |
| 24" | fits up to 5" coupler | CVS24 |




coupler sold separately

## Lanyards with Clip for Boss-Lock Couplings



ACL2



ACL3

**Materials**
- Clip: carbon steel
- Lanyard: nylon

| Coupler Size | Part # |
|---|---|
| 3/4" - 1" | ACL4 |
| 1-1/4" - 4" | ACL2 |
| 6" | ACL3 |

## PVC Coated Lanyards



**Feature**
- One end factory crimped, one end uncrimped for field installation

**Material**
- PVC coated carbon steel with aluminum crimp sleeves

| Length | Part # |
|---|---|
| 15" | CAL15 |
| 25" | CAL25 |

## Lanyard for Boss-Lock Couplings



**Feature**
- Breaking strength: 160 lbs.

| Overall Length | 304 Stainless Part # |
|---|---|
| 7" | LR7 |

# Global Type A Adapters

## Adapter x Female NPT

**Features**

- Interchanges with all products produced to A-A-59326D
- Pressure rating for adapters is based on the seal of the mating part

| Size | A380 Permanent Mold Aluminum Part # | ASTMC38000 Forged Brass Part # |
|---|---|---|
| 1/2" | G50-A-AL[1] | G50-A-BR[1] |
| 3/4" | G75-A-AL | G75-A-BR |
| 1" | G100-A-AL | G100-A-BR |
| 1-1/4" | G125-A-AL | G125-A-BR |
| 1-1/2" | G150-A-AL | G150-A-BR |
| 2" | G200-A-AL | G200-A-BR |
| 2-1/2" | G250-A-AL | G250-A-BR |
| 3" | G300-A-AL | G300-A-BR |
| 4" | G400-A-AL | G400-A-BR |
| 5" | G500-A-AL[1] | G500-A-BR[1] |
| 6" | G600-A-AL | --- |
| 8" | G800-A-AL[1] | --- |

| Size | 316 Investment Cast Stainless Steel Part # |
|---|---|
| 1/2" | G50-A-SS[1] |
| 3/4" | G75-A-SS |
| 1" | G100-A-SS |
| 1-1/4" | G125-A-SS |
| 1-1/2" | G150-A-SS |
| 2" | G200-A-SS |
| 2-1/2" | G250-A-SS |
| 3" | G300-A-SS |
| 4" | G400-A-SS |
| 6" | G600-A-SS |



ASTMC38000 forged brass

[1] No standard exists for the 1/2", 5", and 8", and generally these sizes do not interchange with other manufacturers' products.

B

# Global Type B Couplers

## Coupler x Male NPT

**Features**

- Interchanges with all products produced to A-A-59326D
- Nitrile rubber seals standard



A380 permanent mold aluminum

| Size | A380 Permanent Mold A with Brass Handles Part # | ASTMC38000 Forged Brass Part # |
|---|---|---|
| 1/2" | G50-B-AL[1, 2] | G50-B-BR[1, 2] |
| 3/4" | G75-B-AL[2] | G75-B-BR[2] |
| 1" | G100-B-AL[2] | G100-B-BR[2] |
| 1-1/4" | G125-B-AL | G125-B-BR |
| 1-1/2" | G150-B-AL | G150-B-BR |
| 2" | G200-B-AL | G200-B-BR |
| 2-1/2" | G250-B-AL | G250-B-BR |
| 3" | G300-B-AL | G300-B-BR |
| 4" | G400-B-AL | G400-B-BR |
| 5" | G500-B-AL[1] | G500-B-BR[1] |
| 6" | G600-B-AL | --- |

| Size | 316 Investment Cast Stainless Steel Part # | A380 Permanent Mold Aluminum with Investment Stainless Handles Part # |
|---|---|---|
| 1/2" | G50-B-SS[1] | --- |
| 3/4" | G75-B-SS | --- |
| 1" | G100-B-SS | --- |
| 1-1/4" | G125-B-SS | --- |
| 1-1/2" | G150-B-SS | G150-B-ALSI |
| 2" | G200-B-SS | G200-B-ALSI |
| 2-1/2" | G250-B-SS | --- |
| 3" | G300-B-SS | G300-B-ALSI |
| 4" | G400-B-SS | G400-B-ALSI |
| 6" | G600-B-SS | --- |

[1] No standard exists for the 1/2", 5", and 8", and generally these sizes do not interchange with other manufacturers' products.

[2] Supplied with stainless steel handles

# Global Type C Couplers

## Coupler x Hose Shank

### Features

- Interchanges with all products produced to A-A-59326D
- Nitrile rubber seals are standard

| Size | A380 Permanent Mold Aluminum with Brass Handles Part # | ASTMC38000 Forged Brass Part # |
|---|---|---|
| 1/2" | G50-C-AL[1,2] | G50-C-BR[1,2] |
| 3/4" | G75-C-AL[2] | G75-C-BR[2] |
| 1" | G100-C-AL[2] | G100-C-BR[2] |
| 1-1/4" | G125-C-AL | G125-C-BR |
| 1-1/2" | G150-C-AL | G150-C-BR |
| 2" | G200-C-AL | G200-C-BR |
| 2-1/2" | G250-C-AL | G250-C-BR |
| 3" | G300-C-AL | G300-C-BR |
| 4" | G400-C-AL | G400-C-BR |
| 5" | G500-C-AL[1] | G500-C-BR[1] |
| 6" | G600-C-AL | --- |
| 8" | G800-C-AL[1] | --- |

| Size | 316 Investment Cast Stainless Steel Part # | A380 Permanent Mold Aluminum with Investment Stainless Handles Part # |
|---|---|---|
| 1/2" | G50-C-SS[1] | --- |
| 3/4" | G75-C-SS | --- |
| 1" | G100-C-SS | --- |
| 1-1/4" | G125-C-SS | --- |
| 1-1/2" | G150-C-SS | G150-C-ALSI |
| 2" | G200-C-SS | G200-C-ALSI |
| 2-1/2" | G250-C-SS | --- |
| 3" | G300-C-SS | G300-C-ALSI |
| 4" | G400-C-SS | G400-C-ALSI |
| 6" | G600-C-SS | --- |




316 investment cast stainless steel

[1] No standard exists for the 1/2", 5", and 8", and generally these sizes do not interchange with other manufacturers' products. products.
[2] Supplied with stainless steel handles

NOTE: See page 7 for Global Crimp Type C couplers

B

# Global Type D Couplers

## Coupler x Female NPT




316 investment cast stainless steel

**Features**

- Interchanges with all products produced to A-A-59326D
- Nitrile rubber seals are standard

| Size | A380 Permanent Mold Aluminum with Brass Handles Part # | ASTMC38000 Forged Brass Part # |
|---|---|---|
| 1/2" | G50-D-AL[1, 2] | G50-D-BR[1, 2] |
| 3/4" | G75-D-AL[2] | G75-D-BR[2] |
| 1" | G100-D-AL[2] | G100-D-BR[2] |
| 1-1/4" | G125-D-AL | G125-D-BR |
| 1-1/2" | G150-D-AL | G150-D-BR |
| 2" | G200-D-AL | G200-D-BR |
| 2-1/2" | G250-D-AL | G250-D-BR |
| 3" | G300-D-AL | G300-D-BR |
| 4" | G400-D-AL | G400-D-BR |
| 5" | G500-D-AL[1] | G500-D-BR[1] |
| 6" | G600-D-AL | --- |

| Size | 316 Investment Cast Stainless Steel Part # | A380 Permanent Mold Aluminum with Investment Stainless Handles Part # |
|---|---|---|
| 1/2" | G50-D-SS[1] | --- |
| 3/4" | G75-D-SS | --- |
| 1" | G100-D-SS | --- |
| 1-1/4" | G125-D-SS | --- |
| 1-1/2" | G150-D-SS | G150-D-ALSI |
| 2" | G200-D-SS | G200-D-ALSI |
| 2-1/2" | G250-D-SS | --- |
| 3" | G300-D-SS | G300-D-ALSI |
| 4" | G400-D-SS | G400-D-ALSI |
| 6" | G600-D-SS | --- |

[1] No standard exists for the 1/2" and 5", and generally these sizes do not interchange with other manufacturers' products. products.

[2] Stainless steel handles

## Global Type E Adapters

### Adapter x Hose Shank

**Features**

- Interchanges with all products produced to A-A-59326D
- Pressure rating for adapters is based on the seal of the mating part

| Size | A380 Permanent Mold Aluminum Part # | ASTMC38000 Forged Brass Part # | 316 Investment Cast Stainless Steel Part # |
|---|---|---|---|
| 1/2" | G50-E-AL[1] | G50-E-BR[1] | G50-E-SS[1] |
| 3/4" | G75-E-AL | G75-E-BR | G75-E-SS |
| 1" | G100-E-AL | G100-E-BR | G100-E-SS |
| 1-1/4" | G125-E-AL | G125-E-BR | G125-E-SS |
| 1-1/2" | G150-E-AL | G150-E-BR | G150-E-SS |
| 2" | G200-E-AL | G200-E-BR | G200-E-SS |
| 2-1/2" | G250-E-AL | G250-E-BR | G250-E-SS |
| 3" | G300-E-AL | G300-E-BR | G300-E-SS |
| 4" | G400-E-AL | G400-E-BR | G400-E-SS |
| 5" | G500-E-AL[1] | G500-E-BR[1] | --- |
| 6" | G600-E-AL | --- | G600-E-SS |
| 8" | G800-E-AL[1] | --- | --- |

[1] No standard exists for the 1/2", 5" and 8", and generally these sizes do not interchange with other manufacturers' products.




A380 permanent mold aluminum

## Global Type F Adapters

### Adapter x Male NPT

**Features**

- Interchanges with all products produced to A-A-59326D
- Pressure rating for adapters is based on the seal of the mating part

| Size | A380 Permanent Mold Aluminum Part # | ASTMC38000 Forged Brass Part # | 316 Investment Cast Stainless Steel Part # |
|---|---|---|---|
| 1/2" | G50-F-AL[1] | G50-F-BR[1] | G50-F-SS[1] |
| 3/4" | G75-F-AL | G75-F-BR | G75-F-SS |
| 1" | G100-F-AL | G100-F-BR | G100-F-SS |
| 1-1/4" | G125-F-AL | G125-F-BR | G125-F-SS |
| 1-1/4" | G150-F-AL | G150-F-BR | G150-F-SS |
| 2" | G200-F-AL | G200-F-BR | G200-F-SS |
| 2-1/2" | G250-F-AL | G250-F-BR | G250-F-SS |
| 3" | G300-F-AL | G300-F-BR | G300-F-SS |
| 4" | G400-F-AL | G400-F-BR | G400-F-SS |
| 5" | G500-F-AL[1] | G500-F-BR[1] | --- |
| 6" | G600-F-AL | --- | G600-F-SS |

[1] No standard exists for the 1/2" and 8", and generally these sizes do not interchange with other manufacturers' products.



ASTMC38000 forged brass

B

## Global Type DC Dust Caps



A380 permanent mold aluminum

**Features**

- Interchanges with all products produced to A-A-59326D
- Nitrile rubber seals are standard
- Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons

| Size | A380 Permanent Mold Aluminum with Brass Handles Part # | ASTMC38000 Forged Brass Part # |
|---|---|---|
| 1/2" | G50-DC-AL[1, 2] | G50-DC-BR[1, 2] |
| 3/4" | G75-DC-AL[2] | G75-DC-BR[2] |
| 1" | G100-DC-AL[2] | G100-DC-BR[2] |
| 1-1/4" | G125-DC-AL | G125-DC-BR |
| 1-1/2" | G150-DC-AL | G150-DC-BR |
| 2" | G200-DC-AL | G200-DC-BR |
| 2-1/2" | G250-DC-AL | G250-DC-BR |
| 3" | G300-DC-AL | G300-DC-BR |
| 4" | G400-DC-AL | G400-DC-BR |
| 5" | G500-DC-AL[1] | G500-DC-BR[1] |
| 6" | G600-DC-AL | --- |

| Size | 316 Investment Cast Stainless Steel Part # | A380 Permanent Mold Aluminum with Investment Stainless Handles Part # |
|---|---|---|
| 1/2" | G50-DC-SS[1] | --- |
| 3/4" | G75-DC-SS | --- |
| 1" | G100-DC-SS | --- |
| 1-1/4" | G125-DC-SS | --- |
| 1-1/2" | G150-DC-SS | G150-DC-ALSI |
| 2" | G200-DC-SS | G200-DC-ALSI |
| 2-1/2" | G250-DC-SS | --- |
| 3" | G300-DC-SS | G300-DC-ALSI |
| 4" | G400-DC-SS | G400-DC-ALSI |
| 6" | G600-DC-SS | --- |

[1] No standard exists for the 1/2" and 5", and generally these sizes do not interchange with other manufacturers' products.
[2] Stainless steel handles

## Global Type DP Dust Plugs




A380 permanent mold aluminum

**Features**

- Interchanges with all products produced to A-A-59326D
- Nitrile rubber seals are standard
- Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons

| Size | A380 Permanent Mold Aluminum Part # | ASTMC38000 Forged Brass Part # | 316 Investment Cast Stainless Steel Part # |
|---|---|---|---|
| 1/2" | G50-DP-AL[1] | G50-DP-BR[1] | G50-DP-SS[1] |
| 3/4" | G75-DP-AL | G75-DP-BR | G75-DP-SS |
| 1" | G100-DP-AL | G100-DP-BR | G100-DP-SS |
| 1-1/4" | G125-DP-AL | G125-DP-BR | G125-DP-SS |
| 1-1/2" | G150-DP-AL | G150-DP-BR | G150-DP-SS |
| 2" | G200-DP-AL | G200-DP-BR | G200-DP-SS |
| 2-1/2" | G250-DP-AL | G250-DP-BR | G250-DP-SS |
| 3" | G300-DP-AL | G300-DP-BR | G300-DP-SS |
| 4" | G400-DP-AL | G400-DP-BR | G400-DP-SS |
| 5" | G500-DP-AL[1] | G500-DP-BR[1] | --- |
| 6" | G600-DP-AL | --- | G600-DP-SS |

[1] No standard exists for the 1/2" and 5", and generally these sizes do not interchange with

## Global Type DA Jump Size Couplings

### Coupler x Adapter

**Features**
- Interchanges with all products produced to A-A-59326D
- Nitrile rubber seals standard
- Pressure rating for adapters is based on the seal of the mating part

| Size | A380 Permanent Mold Aluminum Part # | 316 Investment Cast Stainless Steel Part # |
|---|---|---|
| 2" x 3" | G2030-DA-AL | --- |
| 3" x 2" | G3020-DA-AL | G3020-DA-SS |
| 3" x 4" | G3040-DA-AL | --- |
| 4" x 3" | G4030-DA-AL | G4030-DA-SS |
| 5" x 4" | G5040-DA-AL | --- |
| 6" X 4" | G6040-DA-AL | --- |



A380 permanent mold aluminum

## Global Type AA Spool Adapters

### Adapter x Adapter

**Features**
- Interchanges with all products produced to A-A-59326D
- Pressure rating for adapters is based on the seal of the mating part

| Size | A380 Permanent Mold Aluminum Part # | 316 Investment Cast Stainless Steel Part # |
|---|---|---|
| 1" | G100-AA-AL | --- |
| 1-1/2" | G150-AA-AL | G150-AA-SS |
| 1-1/2" x 2" | G1520-AA-AL | --- |
| 2" | G200-AA-AL | G200-AA-SS |
| 2" x 3" | G2030-AA-AL | G2030-AA-SS |
| 3" | G300-AA-AL | G300-AA-SS |
| 3" x 4" | G3040-AA-AL | --- |
| 4" | G400-AA-AL | G400-AA-SS |



A380 permanent mold aluminum



A380 permanent mold aluminum

## Global Type DD Couplers

### Coupler x Coupler

**Features**
- Interchanges with all products produced to A-A-59326D
- Nitrile rubber seals standard

| Size | A380 Permanent Mold Aluminum Part # | 316 Investment Cast Stainless Steel Part # |
|---|---|---|
| 2" | G200-DD-AL | G200-DD-SS |
| 3" | G300-DD-AL | G300-DD-SS |
| 4" | G400-DD-AL | G400-DD-SS |



A380 permanent mold aluminum

B

## Global Type A Jump Size Adapters

### Adapter x Female NPT



**Features**
- Interchanges with all products produced to A-A-59326D
- Pressure rating for adapters is based on the seal of the mating part

| Size | A380 Permanent Mold Aluminum Part # |
|---|---|
| 3" x 2" | G3020-A-AL |
| 4" x 3" | G4030-A-AL |

## Global Type C Jump Size Couplers

### Coupler x Hose shank



**Features**
- Interchanges with all products produced to A-A-59326D
- Nitrile rubber seals standard

| Size | A380 Permanent Mold Aluminum Part # |
|---|---|
| 3" x 2" | G3020-C-AL |
| 4" x 3" | G4030-C-AL |

## Global Type E Jump Size Adapters

### Adapter x Hose Shank



**Features**
- Interchanges with all products produced to A-A-59326D
- Pressure rating for adapters is based on the seal of the mating part

| Size | A380 Permanent Mold Aluminum Part # |
|---|---|
| 3" x 2" | G3020-E-AL |
| 4" x 3" | G4030-E-AL |

NOTE: See page 8 for Global Crimp Type E adapters

## Global Adapter x TTMA Flange



**Features**
- Interchange with all products produced to A-A-59326D
- Nitrile rubber seals are standard
- Pressure rating for adapters is based on the seal of the mating part

| Size | 356T6 Aluminum Part # |
|---|---|
| 4" | G400-ALT-AL |

## Global Coupler x TTMA Flange



| Size | 356T6 Aluminum Part # |
|---|---|
| 4" | G400-DLT-AL |

NOTE: For flange dimensions, diagrams, and additional information,

## Global Adapter x ANSI Flange

| Size | Aluminum Part # |
|---|---|
| 4" | G400-AL-AL |
| 6" | G600-AL-AL |



## Global Coupler x ANSI Flange

| Size | Aluminum Part # |
|---|---|
| 4" | G400-DL-AL |
| 6" | G600-DL-AL |



## Handles for Aluminum / Brass Global Couplers

**Feature**
- Supplied complete with ring and pin

| Fits on sizes | Investment Stainless Part # |
|---|---|
| 1/2", 3/4" | G75HRP |
| 1" | G100HRP |
| 1-1/2", 2" | G152HRPSI |
| 3" - 5" | G34HRPSI |
| 6" | G600HRPSI |



| Fits on sizes | Forged Brass Part # |
|---|---|
| 1-1/4" - 2-1/2" | G152HRP |
| 3" - 5" | G34HRP |
| 6", 8" | G600HRP |



NOTE: Global Dixon® handle assemblies are to only be used with global Dixon parts (not domestic). Handles do not interchange with other manufacturers' handles or couplers.

## Handles for Stainless Global Couplers

**Feature**
- Supplied complete with ring and pin

| Fits on sizes | Investment Stainless Part # |
|---|---|
| 1/2", 3/4" | G75HRPSS |
| 1" | G100HRPSS |
| 1-1/4" - 2-1/2" | G125250HRPSS |
| 3" - 5" | G300400HRPSS |
| 6" | G600HRPSS |



NOTE: Global Dixon handle assemblies are to only be used with global Dixon parts (not domestic). Handles do not interchange with other manufacturers' handles or couplers.

## Safety Clip for Global Couplers

| Zinc Plated Carbon Steel Part # | Bag Qty |
|---|---|



B

## Global BSP Thread Cam & Groove

**Features**
- Interchanges with products produced to A-A-59326D
- Pressure rating for adapters is based on the seal of the mating part
- Couplers: nitrile rubber seal is standard



### Type A - Adapter x Female BSPP

| Size | 316 Investment Cast Stainless Steel Part # |
|---|---|
| 1-1/2" | G150-A-SSBSP |
| 2" | G200-A-SSBSP |



### Type B - Coupler x Male BSPT

| Size | 316 Investment Cast Stainless Steel Part # |
|---|---|
| 1-1/2" | G150-B-SSBSP |
| 2" | G200-B-SSBSP |



### Type D - Coupler x Female BSPP

| Size | 316 Investment Cast Stainless Steel Part # |
|---|---|
| 1-1/2" | G150-D-SSBSP |
| 2" | G200-D-SSBSP |



### Type F - Adapter x Male BSPT

| Size | 316 Investment Cast Stainless Steel Part # |
|---|---|
| 1-1/2" | G150-F-SSBSP |
| 2" | G200-F-SSBSP |

# Cam & Groove x NST

**Features**
- Powder coated aluminum adapter
- For suction and low pressure discharge only
- Other sizes, configurations, and materials available; contact Dixon® for information

## Type A x Female NST (NH)

| Adapter Size | Female NST (NH)Thread | Aluminum Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | G150-A-ALNST |
| 2-1/2" | 2-1/2" | G250-A-ALNST |
| 3" | 2-1/2" | 3025-A-ALNST |



## Type B x Male NST (NH)

**Feature**
- Nitrile rubber seals standard

| Coupler Size | Male NST (NH)Thread | Aluminum Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | G150-B-ALNST |
| 2" | 1-1/2" | 2015-B-ALNST |
| 2-1/2" | 2-1/2" | G250-B-ALNST |
| 3" | 2-1/2" | 3025-B-ALNST |



## Type D x Female NST (NH)

**Feature**
- Nitrile rubber seals standard

| Coupler Size | Female NST (NH) Thread | Aluminum Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | G150-D-ALNST |
| 2" | 2-1/2" | 2025-D-ALNST |
| 2-1/2" | 2-1/2" | G250-D-ALNST |
| 3" | 2-1/2" | 3025-D-ALNST |



## Type F x Male NST (NH)

| Adapter Size | Male NST (NH) Thread | Aluminum Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | G150-F-ALNST |
| 2" | 2-1/2" | 2025-F-ALNST |
| 2-1/2" | 2-1/2" | G250-F-ALNST |
| 3" | 2-1/2" | 3025-F-ALNST |



B

## Type A Adapters

### Adapter x Female NPT



**Features**

- 1/2" couplers and adapters will interchange with 3/4" couplers and adapters, only the threads and barbs are 1/2"
- 1-1/4" couplers and adapters will interchange with 1-1/2" couplers and adapters, only the threads and barbs are 1-1/4"
- NOT recommended for use with PTFE gaskets, polypropylene cam & groove should not be mixed with metal fittings

**Specification**

- Maximum operating pressure: **125 PSI** (1/2" - 1"), **100 PSI** (1-1/4" - 2"), **60 PSI** (3"), and **50 PSI** (4"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed

| Size | Glass-Filled Polypropylene Part # | Optional Qty |
|---|---|---|
| 3/4" x 1/2" | PPA50 | 24 |
| 3/4" | PPA75 | 24 |
| 1" | PPA100 | 24 |
| 1-1/2" x 1-1/4" | PPA125 | 24 |
| 1-1/2" | PPA150 | 24 |
| 2" | PPA200 | 24 |
| 3" | PPA300 | 24 |
| 4" | PPA400 | 8 |

## Type B Couplers

### Coupler x Male NPT



**Features**

- Supplied with EPDM gaskets, 304 stainless steel handles and pins
- 1/2" couplers and adapters will interchange with 3/4" couplers and adapters, only the threads and barbs are 1/2"
- 1-1/4" couplers and adapters will interchange with 1-1/2" couplers and adapters, only the threads and barbs are 1-1/4"
- Replacements: gasket use EPR on page 69, key rings use R200SS on page 72, safety clip use GSAFETYCLIP on page 83
- NOT recommended for use with PTFE gaskets. Polypropylene cam & groove should not be mixed with metal fittings

**Specification**

- Maximum operating pressure: **125 PSI** (1/2" - 1"), **100 PSI** (1-1/4" - 2"), **60 PSI** (3"), and **50 PSI** (4"); recommendations based on the use of mating Dixon fittings at an ambient temperature of **70°F (21°C)** with standard seal installed

| Size | Glass-Filled Polypropylene Part # | Optional Qty |
|---|---|---|
| 3/4" x 1/2" | PPB50 | 24 |
| 3/4" | PPB75 | 24 |
| 1" | PPB100 | 24 |
| 1-1/2" x 1-1/4" | PPB125 | 24 |
| 1-1/2" | PPB150 | 24 |
| 2" | PPB200 | 24 |
| 3" | PPB300 | 24 |
| 4" | PPB400 [1] | 8 |

# Type C Couplers

## Coupler x Hose Shank

### Features

- Supplied with EPDM gaskets, 304 stainless steel handles and pins
- 1/2" couplers and adapters will interchange with 3/4" couplers and adapters, only the threads and barbs are 1/2"
- 1-1/4" couplers and adapters will interchange with 1-1/2" couplers and adapters, only the threads and barbs are 1-1/4"
- Replacements: gasket use EPR on page 69, pull rings use R200SS on page 72, safety clip use GSAFETYCLIP on page 83
- NOT recommended for use with PTFE gaskets, polypropylene cam & groove should not be mixed with metal fittings.



### Specification

- Maximum operating pressure: **125 PSI** (1/2" - 1"), **100 PSI** (1-1/4" - 2"), **60 PSI** (3"), and **50 PSI** (4"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed

| Size | Glass-Filled Polypropylene Part # | Optional Qty |
|---|---|---|
| 3/4" x 1/2" | PPC50 | 24 |
| 3/4" | PPC75 | 24 |
| 1" | PPC100 | 24 |
| 1-1/2" x 1-1/4" | PPC125 | 24 |
| 1-1/2" | PPC150 | 24 |
| 2" | PPC200 | 24 |
| 3" | PPC300 | 24 |
| 4" | PPC400[1] | 8 |

[1] 4" coupler has 4 handles

# Type D Couplers

## Coupler x Female NPT

### Features

- Supplied with EPDM gaskets, 304 stainless steel handles and pins
- 1/2" couplers and adapters will interchange with 3/4" couplers and adapters, only the threads and barbs are 1/2"
- 1-1/4" couplers and adapters will interchange with 1-1/2" couplers and adapters, only the threads and barbs are 1-1/4"
- Replacements: gasket use EPR on page 69, pull rings use R200SS on page 72, safety clip use GSAFETYCLIP on page 83
- NOT recommended for use with PTFE gaskets, polypropylene cam & groove should not be mixed with metal fittings



### Specification

- Maximum operating pressure: **125 PSI** (1/2" - 1"), **100 PSI** (1-1/4" - 2"), **60 PSI** (3"), and **50 PSI** (4"); recommendations based on the use of mating Dixon fittings at an ambient temperature of **70°F (21°C)** with standard seal installed

| Size | Glass-Filled Polypropylene Part # | Optional Qty |
|---|---|---|
| 3/4" x 1/2" | PPD50 | 24 |
| 3/4" | PPD75 | 24 |
| 1" | PPD100 | 24 |
| 1-1/2" x 1-1/4" | PPD125 | 24 |
| 1-1/2" | PPD150 | 24 |
| 2" | PPD200 | 24 |
| 3" | PPD300 | 24 |
| 4" | PPD400[1] | 8 |

[1] 4" coupler has 4 handles

## Type E Adapters

### Adapter x Hose Shank



**Features**

- 1/2" couplers and adapters will interchange with 3/4" couplers and adapters, only the threads and barbs are 1/2"
- 1-1/4" couplers and adapters will interchange with 1-1/2" couplers and adapters, only the threads and barbs are 1-1/4"
- NOT recommended for use with PTFE gaskets, polypropylene cam & groove should not be mixed with metal fittings

**Specification**

- Maximum operating pressure: **125 PSI** (1/2" - 1"), **100 PSI** (1-1/4" - 2"), **60 PSI** (3"), and **50 PSI** (4"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed

| Size | Glass-Filled Polypropylene Part # | Optional Qty |
|---|---|---|
| 3/4" x 1/2" | PPE50 | 24 |
| 3/4" | PPE75 | 24 |
| 1" | PPE100 | 24 |
| 1-1/2" x 1-1/4" | PPE125 | 24 |
| 1-1/2" | PPE150 | 24 |
| 2" | PPE200 | 24 |
| 3" | PPE300 | 24 |
| 4" | PPE400 | 8 |

## Type F Adapters

### Adapter x Male NPT



**Features**

- 1/2" couplers and adapters will interchange with 3/4" couplers and adapters, only the threads and barbs are 1/2"
- 1-1/4" couplers and adapters will interchange with 1-1/2" couplers and adapters, only the threads and barbs are 1-1/4"
- NOT recommended for use with PTFE gaskets, polypropylene cam & groove should not be mixed with metal fittings

**Specification**

- Maximum operating pressure: **125 PSI** (1/2" - 1"), **100 PSI** (1-1/4" - 2"), **60 PSI** (3"), and **50 PSI** (4"); recommendations based on the use of mating Dixon fittings at an ambient temperature of **70°F (21°C)** with standard seal installed

| Size | Glass-Filled Polypropylene Part # | Optional Qty |
|---|---|---|
| 3/4" x 1/2" | PPF50 | 24 |
| 3/4" | PPF75 | 24 |
| 1" | PPF100 | 24 |
| 1-1/2" x 1-1/4" | PPF125 | 24 |
| 1-1/2" | PPF150 | 24 |
| 2" | PPF200 | 24 |
| 3" | PPF300 | 24 |
| 4" | PPF400 | 8 |

# Dust Caps and Plugs

**Features**

- Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons
- NOT recommended for use with PTFE gaskets. Polypropylene cam & groove should not be mixed with metal fittings
- Supplied with EPDM gaskets, 304 stainless steel handles and pins
- Replacements: gasket use EPR on page 69, key rings use R200SS on page 72, safety clip use GSAFETYCLIP on page 83

## Type H Dust Caps

| Size | Glass-Filled Polypropylene Part # | Optional Qty |
|---|---|---|
| 3/4" | PPH75 | 24 |
| 1" | PPH100 | 24 |
| 1-1/2" | PPH150 | 24 |
| 2" | PPH200 | 24 |
| 3" | PPH300 | 24 |
| 4" | PPH400[1] | 8 |

[1] 4" coupler has 4 handles



3/4" - 3"



4"

## Type P Dust Plugs

| Size | Glass-Filled Polypropylene Part # | Optional Qty |
|---|---|---|
| 3/4" | PPP75 | 24 |
| 1" | PPP100 | 24 |
| 1-1/2" | PPP150 | 24 |
| 2" | PPP200 | 24 |
| 3" | PPP300 | 24 |
| 4" | PPP400 | 8 |



3/4" - 3"



4"

## Type A 90° Elbows
### Adapter x Female NPT



**Features**
- For use at elevated temperatures or other unusual operating conditions, consult Dixon
- NOT recommended for use with PTFE gaskets, polypropylene cam & groove should not be mixed with metal fittings

**Specification**
- Maximum operating pressure: **100 PSI** (1-1/2" - 2"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed

| Size | Glass-Filled Polypropylene Part # | Optional Qty |
|---|---|---|
| 1-1/2" | 90PPA150 | 24 |
| 2" | 90PPA200 | 24 |

## Type C 90° Elbows
### Coupler x Hose Shank



**Features**
- Supplied with EPDM gaskets, 304 stainless steel handles and pins
- For use at elevated temperatures or other unusual operating conditions, consult Dixon
- NOT recommended for use with PTFE gaskets, polypropylene cam & groove should not be mixed with metal fittings

**Specification**
- Maximum operating pressure: **100 PSI** (1-1/2" - 2"); recommendations based on the use of mating Dixon fittings at an ambient temperature of **70°F (21°C)** with standard seal installed

| Size | Glass-Filled Polypropylene Part # | Optional Qty |
|---|---|---|
| 1-1/2" | 90PPC150 | 24 |
| 2" | 90PPC200 | 24 |

## Type D 90° Elbows
### Coupler x Female NPT



**Features**
- Supplied with EPDM gaskets, 304 stainless steel handles and pins
- For use at elevated temperatures or other unusual operating conditions, consult Dixon
- NOT recommended for use with PTFE gaskets, polypropylene cam & groove should not be mixed with metal fittings

**Specification**
- Maximum operating pressure: **100 PSI** (1-1/2" - 2"); recommendations based on the use of mating Dixon fittings at an ambient temperature of **70°F (21°C)** with standard seal installed

| Size | Glass-Filled Polypropylene Part # | Optional Qty |
|---|---|---|
| 1-1/2" | 90PPD150 | 24 |
| 2" | 90PPD200 | 24 |

## Type F 90° Elbows
### Adapter x Male NPT



**Features**
- For use at elevated temperatures or other unusual operating conditions, consult Dixon
- NOT recommended for use with PTFE gaskets, polypropylene cam & groove should not be mixed with metal fittings

**Specification**
- Maximum operating pressure: **100 PSI** (1-1/2" - 2"); recommendations based on the use of mating Dixon fittings at an ambient temperature of **70°F (21°C)** with standard seal installed

| Size | Glass-Filled Polypropylene Part # | Optional Qty |
|---|---|---|
| 1-1/2" | 90PPF150 | 24 |

## Dry Disconnects ..... 93 - 106

Bayloc® style ..... 93 - 95
- Coupler x female NPT ..... 93
- Greaseless coupler x female NPT ..... 93
- Coupler x 90° swivel female NPT ..... 93
- Coupler locking kits ..... 93
- Adapter x female NPT ..... 94
- Jump size adapter x female NPT ..... 94
- Adapter x 150# ASA flange ..... 94
- Vapor adapter x female NPSM ..... 95

Cam and groove actuator style couplers ..... 95

Bayonet style ..... 96 - 97
- 90° swivel coupler x female NPT ..... 96
- Straight coupler x female NPT ..... 96
- Keyed straight coupler x female NPT ..... 96
- Straight swivel coupler x female NPT ..... 96
- Keyed straight swivel coupler x female NPT ..... 96
- Straight swivel ..... 96
- Adapter x female NPT ..... 97
- Keyed adapter x female NPT ..... 97
- Dust plugs ..... 97
- Dust caps ..... 97

Dixon® MannTek style ..... 98 - 106
- Coupler hose unit x female NPT ..... 99
- Coupler x 150# ASA flange ..... 99
- Coupler x TTMA flange ..... 99
- Dust plugs ..... 99
- Adapter tank unit x female NPT ..... 100
- Adapter tank unit x 150# flange ..... 100
- Adapter tank unit x TTMA flange ..... 100
- Adapter weather protector with clamp ..... 100
- Dust caps ..... 100
- Steam coupler x female NPT ..... 101
- Steam adapter x female NPT ..... 101
- Dry gas couplings ..... 102
  - Coupler hose unit x female NPT ..... 102
  - Dust plugs ..... 102
  - Adapter tank unit x female NPT ..... 102
  - Adapter tank unit x female ACME ..... 102
  - Adapter tank unit x 150# ASA flange ..... 102
  - Dust caps ..... 102
- Dry aviation couplings ..... 103 - 104
  - Coupler x female NPT ..... 103
  - Coupler x female BSP ..... 103
  - Dust plug ..... 103
  - Adapter x female NPT ..... 104
  - Adapter x 150# ASA flange ..... 104
  - Dust cap ..... 104

## Dry Disconnects (Cont.) ..... 93 - 106

- Marine series ..... 105
  - Female NPT coupling ..... 105
  - Male NPT coupling ..... 105
  - 150# flange ..... 105
- Industrial series ..... 106
  - Female NPT coupling ..... 106
  - Male NPT coupling ..... 106
  - 150# flange coupling ..... 106
  - TTMA flanged ..... 106

## Liquid Natural Gas Couplings ..... 107

Cap and plug ..... 107

## Dry Evotek Couplings ..... 108

- Adapter x Female NPT ..... 108
- Adapter x 150# Flange ..... 108
- Coupler x Female NPT ..... 108
- Coupler x 150# Flange ..... 108

## FloMAX Refueling ..... 109 - 117

- Part number cross reference ..... 109
- Diesel series ..... 110 - 112
  - Nozzles ..... 110
  - Receiver, one-piece body ..... 110
  - Receiver, two-piece body ..... 110
  - Non-interchange nozzles and receivers ..... 111
  - 2" nozzles and receivers ..... 111
  - Gravity fill receivers ..... 112
  - Fuel vents ..... 112
  - Fuel swivels ..... 112
- Service box ..... 112
- Standard series connectors ..... 113 - 114
  - Engine oil nozzles and receivers ..... 113
  - Coolant fluid nozzles and receivers ..... 113
  - Hydraulic oil nozzles and receivers ..... 114
  - Transmission nozzles and receivers ..... 114
- R series ..... 115 - 116
  - Engine oil nozzles and receivers ..... 115
  - Coolant fluid nozzles and receivers ..... 115
  - Hydraulic oil nozzles and receivers ..... 116
  - Transmission fluid nozzles and receivers ..... 116
- High flow series ..... 117
  - 3/4" nozzles and receivers ..... 117
  - 1" nozzles and receivers ..... 117


C

C


**TTMA Fittings .....118 - 123**
Flange adapters .....118
Slip-on flange .....118
Buttweld flange .....118
Spacer with 1/2" port .....119
Flange extensions .....119
Cam and groove .....119
Adapter .....119
Coupler .....119
Dixon® vapor recovery couplers ..... 120 - 121
With probe x adapter .....120
With probe x coupler with probe .....120
Coupler with probe x hose shank .....120
Coupler x 45° hose shank .....121
Coupler x female NPT .....121
Bayloc vapor coupler with locking handle .....121
EZ Boss-Lock Vapor Recovery Coupler with Probe ..... 121
Flange gaskets .....122
Flanged sight flow indicators ..... 122 - 123
Sight flow indicator repair kits .....123
Flange screen .....123

**Railroad tank car connections .....124 - 127**
Style A .....124
Style F .....124
Style GF .....124
Screen .....124
Style S .....124
Style T .....125
Dixon® coupler x tank car thread .....125
EZ Boss-Lock x coupler tank car thread .....125
Railroad unloading assemblies .....126
Dixon tank car adapters .....126
Cam and groove railroad tank car gaskets .....127
Pin lug wrench .....127

**Swivels .....128 - 138**
Swivel joint overview ..... 128 - 129
Single plane styles 20, 30 .....130
Double plane styles 40, 50, 60 .....130
Triple plane styles 10, 70, 80 .....131
Ordering Information .....132
Loading arm swivels .....133
Loading arm swivels replacement parts .....133
TTMA flange extensions .....134
Loading arm ..... 135 - 138
Overview .....135
Split flange .....136

**Swivels (Cont.) .....128 - 138**
Split flange components .....136
TTMA handle kit .....137
Counterbalance clamps .....137
Top loading valves .....138
Top loading Diffusers / T-Deflectors .....138

**API .....139 - 144**
5500-Series couplers .....139
Reelcraft® static discharge reel .....140
Overfill protection rack monitors .....141
FT590-Series terminal test equipment .....141
Compatatible systems .....142
Rack monitors .....142
Rack cords .....142
Junction boxes .....142
Dixon MannTek break-away coupling .....143
Rack cord assemblies .....144
Rack cord parts .....144

**ADS .....145 - 150**
A100 Outalarm® with probe .....145
A210 Spillguard® system ..... 146 - 147
Monitors .....146
Probes .....147
Verification monitor .....148
Ground clamp and junction box ..... 148
Outage gauge .....149
Gauge rods .....149
Cables .....149
Accessories .....150

# Bayloc® Dry Disconnects

## Coupler x Female NPT

### Features

- Automatic closing poppet assembly
- Must be used with a DBA style adapter for coupler to operate, sold separately
- Fully interchangeable with Kamvalok (OPW trademark) fittings
- Aluminum fittings have stainless internals equivalent to 304 stainless
- Stainless handle allows exposure to corrosive chemicals or wash down service
- Heavy duty handle attachment prevents bending of crank assembly
- One-piece stainless crank and link provide long service life
- EZ Boss-Lock cam arms, standard on all 1-1/2" and 2" fittings, provide high security from accidental opening due to vibration or snagging
- Large paddle type locking cam arms, standard on 3" fittings, allow for an easy grip
- Optional coupler lock for handle to prevent unintentional opening

### Specifications

- Maximum operating pressure at **70°F (21°C)**:
  1-1/2" - **210 PSI**
  2" - **150 PSI**
  3" - **120 PSI**

| Female NPT | Coupler Size | Seal Material | Maximum PSI at 70°F (21°C) | Aluminum Part # | Stainless Steel[1] Part # |
|---|---|---|---|---|---|
| 1-1/2" | 2" | Nitrile rubber | **210** | DBC61-150 | DBC71-150 |
| 2" | 2-1/2" | | **150** | DBC61-200 | DBC71-200 |
| 3" | 4" | | **120** | DBC61-300 | DBC71-300 |
| 1-1/2" | 2" | FKM | **210** | DBC62-150 | DBC72-150 |
| 2" | 2-1/2" | | **150** | DBC62-200 | DBC72-200 |
| 3" | 4" | | **120** | DBC62-300 | DBC72-300 |
| 1-1/2" | 2" | PTFE Encapsulated Silicone & FFPM | **210** | DBC63-150 | DBC73-150 |
| 2" | 2-1/2" | | **150** | DBC63-200 | DBC73-200 |
| 3" | 4" | | **120** | DBC63-300 | DBC73-300 |
| 1-1/2" | 2" | EPDM | **210** | DBC64-150 | DBC74-150 |
| 2" | 2-1/2" | | **150** | DBC64-200 | DBC74-200 |
| 3" | 4" | | **120** | DBC64-300 | DBC74-300 |
| 1-1/2" | 2" | FFPM and PTFE[2] | **210** | --- | DBC76-150 |
| 2" | 2-1/2" | | **150** | DBC66-200 | DBC76-200 |
| 3" | 4" | | **120** | DBC66-300 | DBC76-300 |
| 1-1/2" | 2" | PTFE Encapsulated FKM & FFKM | **210** | --- | DBC77-150 |
| 2" | 2-1/2" | | **150** | --- | DBC77-200 |
| 3" | 4" | | **120** | --- | DBC77-300 |
| 3" | 4" | FKM-B | **120** | DBC69-300 | DBC79-300 |



Coupler x 1-1/2" or 2" Female NPT



Coupler x 3" Female NPT

## Greaseless Coupler x Female NPT

| Female NPT | Coupler Size | Seal Material | Stainless Steel[1] Part # |
|---|---|---|---|
| 1-1/2" | 2" | PTFE Encapsulated FKM & FFKM | DBC77-150-GL |
| 2" | 2-1/2" | | DBC77-200-GL |

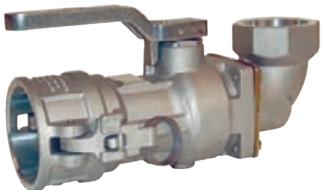


[1] Stainless steel corrosion resistance is equivalent to 304 stainless steel

[2] FFPM gasket, main seal O-ring, and handle O-ring; PTFE seals on cylinder assembly, stuffing box, and seal under poppet screw

## Coupler x 90° Swivel Female NPT

| Female NPT | Coupler Size | Seal Material | Aluminum Part # |
|---|---|---|---|
| 2" | 2-1/2" | Nitrile rubber | DBS61-200 |
| | | FKM | DBS62-200 |
| | | PTFE Encapsulated Silicone & FFPM | DBS63-200 |



## Coupler Locking Kits

| Description | Aluminum Part # |
|---|---|
| for use with 1-1/2" and 2" dry disconnect couplers | DBCL-200 |
| for use with 3" dry disconnect couplers | DBCL-300 |



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# Bayloc® Dry Disconnects

## Adapter x Female NPT

**Applications**
- Compatible with most cam and groove style dry disconnects
- Helps prevent spillage from normal or accidental disconnects
- For use in transfer of hazardous fluids

**Features**
- Two-piece adapter design for easy rebuilding of adapters
- Fully interchangeable with Kamvalok (OPW trademark) style fittings
- For pressure ratings at other temperatures, contact Dixon®
- Contact Dixon® at 800.355.1991 for chemical compatibility, size, material selection, and special configurations
- Spring loaded sealing device snaps closed should valve become disconnected with the poppet open



Adapter x 1-1/2" and 2" Female NPT



Adapter x 3" Female NPT

| Female NPT | Adapter Size | Seal Material | Maximum PSI at 70°F (21°C) | Aluminum Part # | Stainless Steel Part # |
|---|---|---|---|---|---|
| 1-1/2" | 2" | Nitrile rubber | **210** | DBA11-150 | DBA71-150 |
| 2" | 2-1/2" | | **150** | DBA11-200 | DBA71-200 |
| 3" | 4" | | **120** | DBA11-300 | DBA71-300 |
| 1-1/2" | 2" | FKM | **210** | DBA12-150 | DBA72-150 |
| 2" | 2-1/2" | | **150** | DBA12-200 | DBA72-200 |
| 3" | 4" | | **120** | DBA12-300 | DBA72-300 |
| 1-1/2" | 2" | PTFE Encapsulated Silicone | **210** | DBA63-150 | DBA73-150 |
| 2" | 2-1/2" | | **150** | DBA63-200 | DBA73-200 |
| 3" | 4" | | **120** | DBA63-300 | DBA73-300 |
| 1-1/2" | 2" | EPDM | **210** | DBA64-150 | DBA74-150 |
| 2" | 2-1/2" | | **150** | DBA64-200 | DBA74-200 |
| 3" | 4" | | **120** | DBA64-300 | DBA74-300 |
| 1-1/2" | 2" | FFPM | **210** | DBA66-150 | DBA76-150 |
| 2" | 2-1/2" | | **150** | DBA66-200 | DBA76-200 |
| 3" | 4" | | **120** | DBA66-300 | DBA76-300 |
| 1-1/2" | 2" | PTFE Encapsulated FKM | **210** | --- | DBA77-150 |
| 2" | 2-1/2" | | **150** | --- | DBA77-200 |
| 3" | 4" | | **120** | --- | DBA77-300 |
| 3" | 4" | FKM-B | **120** | DBA69-300 | --- |



## Jump Size Adapter x Female NPT

| Female NPT | Adapter Size | Seal Material | Maximum PSI at 70°F (21°C) | Aluminum Part # |
|---|---|---|---|---|
| 2" | 2" | Nitrile rubber | **150** | DBA11-1520 |
| | | FKM | **150** | DBA12-1520 |

## Adapter x 150# ASA Flange



| Flange Size | Adapter Size | Seal Material | Maximum PSI at 70°F (21°C) | Stainless Steel Part # |
|---|---|---|---|---|
| 2" | 2" | FKM | **150** | DBAF72-1520 |
| | | PTFE Encapsulated Silicone | | DBAF73-1520 |
| | | EPDM | | DBAF74-1520 |
| | | FFPM | | DBAF76-1520 |
| 2" | 2-1/2" | FKM | **150** | DBAF72-200 |
| | | PTFE Encapsulated Silicone | | DBAF73-200 |
| | | EPDM | | DBAF74-200 |
| | | FFPM | | DBAF76-200 |
| 3" | 4" | FKM | **150** | DBAF72-300 |
| | | PTFE Encapsulated Silicone | | DBAF73-300 |
| | | EPDM | | DBAF74-300 |
| | | FFPM | | DBAF76-300 |

NOTE: Reference page 80 for dust caps for adapters.

## Bayloc® Dry Disconnect Vapor Adapter x Female NPSM

| Female NPSM | Adapter Size | Seal | Max PSI at 70°F (21°C) | Stainless Steel[1] Part # |
|---|---|---|---|---|
| 1-1/2" | 2" | PTFE | **150** | DBAV73-2030 |

[1] Stainless steel corrosion resistance is equivalent to 304 stainless steel

NOTE: Reference page 80 for dust caps for adapters





## Cam & Groove Actuator Style Couplers

### Applications
- Suited for vapor recovery, suction pump line and other applications where it is necessary to easily drain the hose or pipe for cleaning
- Can also be used when product retention in a hose or pipe is desired and damage from accidental spill from an open coupler is not a concern
- Couplers work with the DBA poppeted adapters on page 94 in applications where automatic closure for the coupler is not desired

### Features
- EZ Boss-Lock cam arms
- Stainless steel locking lever standard
- Use with standard cam and groove dust plugs sized one size larger than the dry disconnect size
- Prevents spillage from normal and accidental disconnection of the connection



### Materials
- Body: 316 stainless steel
- Internal components: 304 stainless steel
- Replacement parts are available; contact Dixon® for more information

| Female NPT | Coupler Size | Seal Material | Stainless Steel Part # |
|---|---|---|---|
| 1-1/2" | 2" | Nitrile rubber | D2C71-150 |
| 2" | 2-1/2" | | D2C71-200 |
| 1-1/2" | 2" | FKM | D2C72-150 |
| 2" | 2-1/2" | | D2C72-200 |
| 1-1/2" | 2" | PTFE Encapsulated Silicone | D2C73-150 |
| 2" | 2-1/2" | | D2C73-200 |
| 1-1/2" | 2" | EPDM | D2C74-150 |
| 2" | 2-1/2" | | D2C74-200 |
| 1-1/2" | 2" | PTFE Encapsulated FKM | D2C77-150 |
| 2" | 2-1/2" | | D2C77-200 |
| 1-1/2" | 2" | FKM-B | D2C79-150 |

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## Bayonet Style Dry Disconnects

### Application

- For the spill-less transfer of petroleum products such as fuel oil, lube oil blending and tank truck delivery

### Features

- Ensures a spill-free connection. Fluid cannot flow until couplings are connected together and valve is opened; coupling can then not be disconnected until the valve handle is closed
- Swivels have standard ZERK fittings
- Replacement parts available; contact Dixon for more information

### Specification

- Maximum operating pressure: **85 PSI** at **70°F** (**21°C**), for pressure ratings at other temperatures contact Dixon®



### 90° Swivel Coupler x Female NPT

| Size | Seal Material | Anodized Hard Coat Aluminum Part # |
|---|---|---|
| 2" | Nitrile rubber | BS61-200 |
| | FKM | BS62-200 |
| 3" | Nitrile rubber | BS61-300 |
| | FKM | BS62-300 |



### Straight Coupler x Female NPT

| Size | Seal Material | Anodized Hard Coat Aluminum Part # |
|---|---|---|
| 2" | Nitrile rubber | BC61-200 |
| | FKM | BC62-200 |

New



### Keyed Straight Coupler x Female NPT

| Size | Seal Material | Anodized Hard Coat Aluminum Part # |
|---|---|---|
| 2" | Nitrile rubber | BC61K1-200 |
| | FKM | BC62K1-200 |



### Straight Swivel Coupler x Female NPT

| Size | Seal Material | Anodized Hard Coat Aluminum Part # |
|---|---|---|
| 1" | Nitrile rubber | BSS61-100 |
| 2" | Nitrile rubber | BSS61-200 |
| | FKM | BSS62-200 |
| 3" | Nitrile rubber | BSS61-300 |
| | FKM | BSS62-300 |

New



### Keyed Straight Swivel Coupler x Female NPT

| Size | Seal Material | Anodized Hard Coat Aluminum Part # |
|---|---|---|
| 2" | Nitrile rubber | BSS61K1-200 |
| | FKM | BSS62K1-200 |

### Straight Swivel

| Size | Seal Material | PSI @ 75°F (24°C) | Anodized Hard Coat Aluminum Part # |
|---|---|---|---|
| 1" | Nitrile rubber | **85** | BSSW61-100 |

# Bayonet Style Dry Disconnects

### Application
- For the spill-less transfer of petroleum products such as fuel oil, lube oil blending, and tank truck delivery

### Features
- Ensures a spill-free connection. Fluid cannot flow until couplings are connected together and valve is opened; coupling can then not be disconnected until the valve handle is closed.
- Swivels have standard ZERK fittings
- Replacement parts available; contact Dixon for more information

### Specification
- Maximum operating pressure: **85 PSI** at **70°F (21°C)**. For pressure ratings at other temperatures contact Dixon®

## Adapter x Female NPT

| Size | Seal Material | Stainless Steel Part # | Brass Part # | Aluminum Part # |
|---|---|---|---|---|
| 1" | Nitrile rubber | --- | BA61-100 | --- |
| 2" | Nitrile rubber | BA31-200 | --- | --- |
| | FKM | BA32-200 | --- | --- |
| 3" | Nitrile rubber | --- | BA31-300 | BA61-300 |
| | FKM | --- | BA32-300 | BA62-300 |



## Keyed Adapter x Female NPT

New

| Size | Seal Material | Stainless Steel Part # |
|---|---|---|
| 2" | Nitrile rubber | BA31K1-200 |
| | FKM | BA32K1-200 |



## Dust Plugs

| Size | Rubber with Stainless Steel Chain Part # |
|---|---|
| 2" | BCP-200 |
| 3" | BCP-300 |



## Dust Caps

| Size | Rubber with Stainless Steel Chain Part # |
|---|---|
| 2" | BAC-200 |
| 3" | BAC-300 |



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## Dixon® MannTek Dry Disconnect Couplings



### Applications

- Used by producers of ink, adhesives, fatty acids, pharmaceuticals, liquid soaps, petroleum, chemicals, agricultural products, and a wide variety of common caustic and specialty acids
- Designed for the quick and spill-free connection and disconnection of hoses and pipelines

### Features

- Easy to handle: push and turn - free flow; turn and pull - closed
- Time saving: no need to drain hoses or pipe systems
- Economical: no loss or spillage of liquids at connection or disconnection
- Safety: the valve cannot be opened until the unit is coupled
- Environmentally friendly: accidental spillage eliminated when properly used
- Safe and reliable: due to rugged construction
- Product life: uncomplicated design and high-quality materials ensure long product life
- Selectivity: To avoid product contamination, selective versions of the couplers and adapters are available. Contact Dixon for further information.
- Produced according to NATO standard STANAG 3756 and ATOFINA SGM 2049.TUY.C.
- Seal kits are available
- Interchanges with Avery Hardoll® and Todo-MATIC®

### Materials

- Standard seal supplied: FKM
- Optional seals:
  - EPDM
  - NBR - nitrile
  - Kalrez®
  - Chemraz®

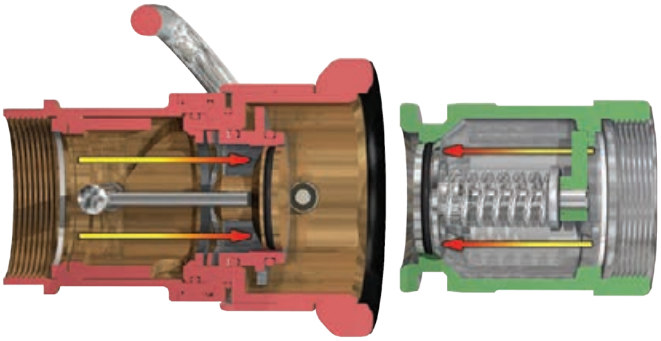
### Specifications

- Working pressure at ambient temperature **70°F (21°C)**:
  - aluminum: **230 PSI**, up to 4"
  - brass/gunmetal[1]: **230 PSI**, up to 4"
  - stainless steel: **360 PSI**

[1] Produced to U.S. government bronze specification G

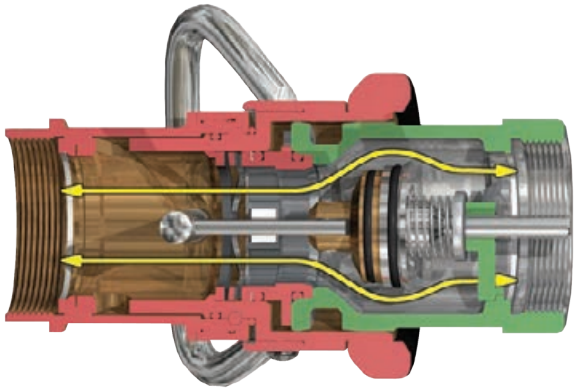
## How it Works

The principle of operation is identical for all sizes of couplings.



**Closed**

- Turn and pull
  It's released - no spillage



**Open**

- Push and turn
  It's coupled - full flow

# Dixon® MannTek Dry Disconnect Couplers - Hose Unit

## Features

- Coupler has built-in swivel
- Stainless steel shaft journal embedded in PTFE to eliminate seizure
- Riveted piston pin to minimize the risk for failure under extreme pressure conditions
- The protective ring is a specially formulated, weather resistant, and electrically conductive rubber compound
- Composite (Polyeten PE-HD 300) plugs provide good protection against corrosion and withstand hot and cold environments

## Materials

- Stainless steel ball bearings
- Stainless steel couplers: rollers are Hastelloy C276 on the stainless steel shaft
- All wetted parts are stainless steel
- Aluminum and brass couplers: rollers are aluminum-bronze on the stainless steel shaft

## Coupler x Female NPT



3/4" and 1"



1-1/2"



2"



3"



4"



6"

| Female NPT | Body Size | 316 Stainless Steel Part # | Aluminum Part # | Brass / Gunmetal[1] Part # |
|---|---|---|---|---|
| 3/4" | 56 mm | DDC075SS | DDC075AL | DDC075BR |
| 1" | 56 mm | DDC100SS | DDC100AL | DDC100BR |
| 1-1/2" | 70 mm | DDC150SS | DDC150AL | DDC150BR |
| 2" | 70 mm | DDC200SS | DDC200AL | DDC200BR |
| 3" | 105 mm | DDC300SS105 | DDC300AL105 | DDC300GM105 |
| 3" | 119 mm | DDC300SS | DDC300AL | DDC300GM |
| 4" | 164 mm | DDC400SS | DDC400AL | DDC400GM |
| 6" | 238 mm | DDC600SS | DDC600AL | --- |

[1] Produced to U.S. government bronze specification G

## Coupler x 150# ASA Flange

| 150# Flange | Body Size | 316 Stainless Steel Part # |
|---|---|---|
| 2" | 70 mm | DDC200SSFL |
| 3" | 119 mm | DDC300SSFL |
| 4" | 164 mm | DDC400SSFL |
| 6" | 238 mm | DDC600SSFL |
| 8" | 272 mm | DDC800SSFL |

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.



2"



3" only

## Coupler x TTMA Flange

| TTMA Flange | Body Size | Aluminum Part # |
|---|---|---|
| 4" | 164 mm | DDC400AL164TTMA |

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.



## Dust Plugs

| Body Size | Polyeten PE-HD 300 Part # |
|---|---|
| 56 mm | DDDP075 |
| 70 mm | DDDP150 |
| 105 mm | DDDP300105 |
| 119 mm | DDDP300 |
| 164 mm | DDDP400 |
| 238 mm | DDDP600[1] |



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You can also email us at GRP@goodyearrubberproducts.com

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# Dixon® MannTek Dry Disconnect Adapters - Tank Unit

## Application

- Usually installed on the tank or manifold

## Features

- Conical valve seat reduces the risk for piston blowout
- PTFE bearing between piston shaft and guide eliminates risk of seizure
- Composite (Polyeten PE-HD 300) cap to provide good protection in harsh environments
- FKM (FPM) gaskets standard on polyeten caps

## Materials

- Aluminum adapter: aluminum poppet, stainless steel internal parts
- Stainless steel adapter: stainless steel poppet, stainless steel internal parts
- Brass / gunmetal [1] adapter: brass poppet, brass and stainless steel internal parts




### Adapter x Female NPT

| Female NPT | Body Size | 316 Stainless Steel Part # | Aluminum Part # | Brass / Gunmetal [1] Part # |
|---|---|---|---|---|
| 3/4" | 56 mm | DDA075SS | DDA075AL | DDA075BR |
| 1" | 56 mm | DDA100SS | DDA100AL | DDA100BR |
| 1-1/2" | 70 mm | DDA150SS | DDA150AL | DDA150BR |
| 2" | 70 mm | DDA200SS | DDA200AL | DDA200BR |
| 3" | 105 mm | DDA300SS105 | DDA300AL105 | DDA300GM105 |
| 3" | 119 mm | DDA300SS | DDA300AL | DDA300GM |
| 4" | 164 mm | DDA400SS | DDA400AL | DDA400GM |
| 6" | 238 mm | DDA600SS | DDA600AL | --- |



### Adapter x 150# ASA Flange

| 150# Flange | Body Size | 316 Stainless Steel Part # | Aluminum Part # | Brass / Gunmetal[1] Part # |
|---|---|---|---|---|
| 3/4" | 56 mm | DDA075SSFL | --- | --- |
| 1" | 56 mm | DDA100SSFL | DDA100ALFL | DDA100BRFL |
| 1-1/2" | 70 mm | DDA150SSFL | DDA150ALFL | DDA150BRFL |
| 2" | 70 mm | DDA200SSFL | DDA200ALFL | DDA200BRFL |
| 3" | 105 mm | DDA300SS105FL | DDA300AL105FL | DDA300GM105FL |
| 3" | 119 mm | DDA300SSFL | DDA300ALFL | DDA300GMFL |
| 4" | 164 mm | DDA400SSFL | DDA400ALFL | DDA400GMFL |
| 6" | 238 mm | DDA600SSFL | DDA600ALFL | --- |
| 8" | 272 mm | DDA800SSFL | --- | --- |

[1] Produced to U.S. government bronze specification G

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.



### Adapter x TTMA Flange

| TTMA Flange | Body Size | Aluminum Part # |
|---|---|---|
| 3" | 105 mm | DDA300AL105TTMA |
| 3" | 119 mm | DDA300AL119TTMA |
| 4" | 164 mm | DDA400AL164TTMA |

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.



### Adapter Weather Protector with Clamp

| Size | Black Neoprene Part # |
|---|---|
| 2" | PCDVCHSS36 |



### Dust Caps

| Body Size | Polyeten PE-HD 300 Part # |
|---|---|
| 56 mm | DDDC075 |
| 70 mm | DDDC150 |
| 105 mm | DDDC300105 |
| 119 mm | DDDC300 |
| 164 mm | DDDC400 |
| 238 mm | DDDC600[1] |

[1] 6" dust cap is aluminum

# Dixon® MannTek Dry Disconnects for Steam Service

## Applications
- Designed to fit hoses carrying steam used in chemical (heating), pharmaceutical (disinfection and sterilization), and at loading bays

## Features
- Unintentional separation is eliminated preventing accidents and avoiding unintended downtime
- Performance unaffected by surface rust
- Lockable versions are available on 1-1/2" and 2"; contact Dixon
- Couplers supplied with double handles

## Materials
- Coupling housing and all inner parts: stainless steel
- EPDM 291 seal

## Specification
- **150 PSI** at **350°F (177°C)**

### Coupler x Female NPT

| Female NPT | Body Size | 316 Stainless Steel Part # |
|---|---|---|
| 3/4" | 56 mm | DDSC075SS |
| 1" | | DDSC100SS |
| 1-1/2" | 70 mm | DDSC150SS |
| 2" | | DDSC200SS |



### Adapter x Female NPT

| Female NPT | Body Size | 316 Stainless Steel Part # |
|---|---|---|
| 3/4" | 56 mm | DDSA075SS |
| 1" | | DDSA100SS |
| 1-1/2" | 70 mm | DDSA150SS |
| 2" | | DDSA200SS |



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## Dixon® MannTek Dry Gas Couplings

### Applications
- Primary application is in the handling of LPG - Propane and Butane
- Designed for loading and discharge of bobtails or intermediate bulk delivery trucks to and from rail cars

### Features
- Reliable, easy to maintain
- Minimizes the risk of cold burns, spillage, product loss, and health risks and keeps the environment free of hazardous vapors and liquids
- Compatible with existing dry disconnect couplings
- Composite (Polyeten PE-HD 300) plug provides good protection in harsh environments
- For pressure relief options, contact Dixon

### Materials
- Stainless steel and brass / gunmetal (produced to U.S. government bronze specification G)
- Low temperature FKM (FPM) seals

### Specifications
- Working pressure: **360 PSI** at ambient temperature **70°F (21°C)**
- Can be coupled to a tank unit with pressures up to **225 PSI** at ambient temperature **70°F (21°C)**, if pressure is higher, equip couplings with pressure relief valves



**Coupler x Female NPT**

| Female NPT | Body Size | 316 Stainless Steel Part # |
|---|---|---|
| 1" | 56 mm | DGC100SS |
| 2" | 71 mm | DGC200SS |
| 3" | 119 mm | DGC300SS |



**Dust Plug for Couplers**

| Size | Body Size | Polyeten PE-HD 300 Part # |
|---|---|---|
| 1" | 56 mm | DGDP100 |
| 2" | 71 mm | DGDP200 |
| 3" | 119 mm | DGDP300 |



**Adapter x Female NPT**

| Female NPT | Body Size | 316 Stainless Steel Part # |
|---|---|---|
| 1" | 56 mm | DGA100SS |
| 2" | 71 mm | DGA200SS |
| 3" | 119 mm | DGA300SS |



**Adapter x Female ACME**

| Female ACME | Body Size | 316 Stainless Steel Part # |
|---|---|---|
| 1-3/4" | 56 mm | DGA100SS175 |
| 3-1/4" | 71 mm | DGA200SS325 |



**Adapter-Tank Unit x 150# ASA Flange**

| 150# Flange | Body Size | 316 Stainless Steel Part # |
|---|---|---|
| 1" | 56 mm | DGA100SSFL |
| 2" | 71 mm | DGA200SSFL |
| 3" | 119 mm | DGA300SSFL |

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.



**Dust Cap for Adapters**

| Body Size | Material | Part # |
|---|---|---|
| 56 mm | polyeten PE-HD300 | DGDC100 |
| 71 mm | rubber | DGDC200 |
| 119 mm | rubber | DGDC300 |

# Dixon® MannTek Dry Aviation Couplers - Hose Unit



## Application
- Designed for use in aviation refueling systems

## Features
- Composite (Polyeten PE-HD 300) plug provides good protection in harsh environments
- Accepts international standard 2-1/2" point bayonet, hose end refueling nozzles according to: ISO45 / MS24484 / STANAG 3105 / British Aerospace Spec. 2C14, they are not configured for under-wing refueling
- Gunmetal coupling ring minimizes the risk of seizure
- Riveted piston pin minimizes risk of failure under extreme pressure conditions
- Protective ring is a specially formulated weather resistant and electrically conductive rubber compound

## Materials
- Body: high-strength aluminum
- Coupling ring: gunmetal (produced to U.S. government bronze specification G)
- Bayonet flange and inner parts: stainless steel, aluminum
- All wetted parts are aluminum and stainless steel
- Stainless steel ball bearings
- Stainless steel shaft journal embedded in PTFE eliminates seizure
- PTFE bearings between the driving plate and piston guide eliminate the risk of seizure

## Specification
- Working pressure: **150 PSI** at ambient temperature **70°F (21°C)**

### Coupler x Female NPT

| Female NPT | Body Size | Aluminum Part # |
|---|---|---|
| 2-1/2" | ISO 45 | DAC250AL |
| 3" | ISO 45 | DAC300AL |



### Coupler x Female BSP

| Female BSP | Body Size | Aluminum Part # |
|---|---|---|
| 2-1/2" | ISO 45 | DAC250ALBSP |
| 3" | ISO 45 | DAC300ALBSP |

### Dust Plug for Couplers

| Body Size | Polyeten PE-HD300 Part # |
|---|---|
| ISO 45 | DADP250 |



NOTE: Refer to body size when selecting a plug.

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## Dixon® MannTek Dry Aviation Adapters - Tank Unit

### Application
- Designed for use in aviation refueling systems

### Features
- Composite (Polyeten PE-HD 300) cap provides good protection in harsh environments
- Accepts international standard 2-1/2" point bayonet hose end refueling nozzles according to: ISO45 / MS24484 / STANAG 3105 / British Aerospace Spec. 2C14. Not configured for under-wing refueling
- Gunmetal coupling ring minimizes the risk of seizure
- PTFE bearings between the piston shaft and the piston guide eliminate the risk of seizure
- Conical valve seat eliminates the risk of piston blowout when extreme pressure is used

### Materials
- Body: high-strength aluminum
- Coupling ring: gunmetal
- Bayonet flange and inner parts: stainless steel, aluminum
- All wetted parts: aluminum and stainless steel

### Specification
- Working pressure: **150 PSI** at ambient temperature **70°F (21°C)**



**Adapter x Female NPT**

| Size | Body Size | Aluminum Part # |
|---|---|---|
| 2-1/2" | ISO 45 | DAA250AL |
| 3" | ISO 45 | DAA300AL |



**Adapter x 150# ASA Flange**

| 150# Flange | Body Size | Aluminum Part # |
|---|---|---|
| 2-1/2" | ISO 45 | DAA250ALFL |
| 3" | ISO 45 | DAA300ALFL |

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.



**Dust Cap for Adapters**

| Body Size | Polyeten PE-HD 300 Part # |
|---|---|
| ISO 45 | DADC250 |

NOTE: Refer to body size when selecting a cap.

# Dixon® MannTek Safety Break-away Couplings - Marine Version



## Application
- Typically for ship-to-offshore platform and ship-to-ship product transfer operations

## Features
- Designed to be installed within a hose string where the coupling will have a length of hose attached to both sides
- Minimizes spillage and damage associated with pull-away incidents
- Coupling automatically senses excessive load, closes the valves and disconnects. Release is executed when force causes bolts to break
- FKM (FPM) O-rings, additional seal materials are available
- Optional non-closure design available; contact Dixon




## Specification
- Working pressure: **360 PSI** at ambient temperature **70°F (21°C)**

### Female NPT x Female NPT

| Size | DN Size | 316 Stainless Steel Part # |
|---|---|---|
| 2" | 50 | MSBC200SS |
| 3" | 80 | MSBC300SS |
| 4" | 100 | MSBC400SS |
| 5" | 125 | MSBC500SS |
| 6" | 150 | MSBC600SS |



### Male NPT x Male NPT

| Size | DN Size | 316 Stainless Steel Part # |
|---|---|---|
| 2" | 50 | MSBC200SSMNPT |
| 3" | 80 | MSBC300SSMNPT |
| 4" | 100 | MSBC400SSMNPT |
| 5" | 125 | MSBC500SSMNPT |
| 6" | 150 | MSBC600SSMNPT |



### 150# Flange x 150 Flange

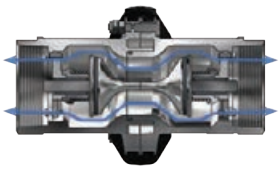
| Size | DN Size | 316 Stainless Steel Part # |
|---|---|---|
| 2" | 50 | MSBC200SSFL |
| 3" | 80 | MSBC300SSFL |
| 4" | 100 | MSBC400SSFL |
| 5" | 125 | MSBC500SSFL |
| 6" | 150 | MSBC600SSFL |
| 8" | 200 | MSBC800SSFL |



NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.

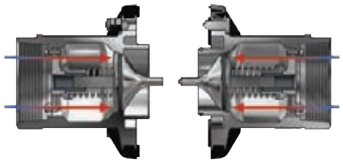
## How it Works

Safety break-away couplings have three external break bolts. In the case of axial tension, all of the bolts take up the force corresponding to the break force on the hose with a safety margin. Non-axial forces concentrate the tension forces more strongly on one bolt, so that the safety break-away coupling reacts in a natural way to the reduction of the hose break forces.



**BEFORE emergency disconnect**

The safety break-away valve consists of two halves, each with



**AFTER emergency disconnect**

When the safety break-away couplings separate, it allows

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## Dixon® MannTek Safety Break-away Couplings - Industrial Version




### Application
- Loading rack, bulk loading / unloading, road tankers, and rail tankers

### Features
- Designed to be installed between a fixed point (pipe, pump, manifold) and a hose
- Minimizes spillage and damage associated with pull-away incidents
- Coupling automatically senses excessive load, closes valves and disconnects. Release is executed when force causes bolts to break.
- High flow rate / low pressure drop
- FKM (FPM) seal standard, additional seal materials are available
- Optional non-closure design available; contact Dixon®

### Specification
- Working pressure: stainless steel **360 PSI** and aluminum **230 PSI** at ambient temperature **70°F (21°C)**



**Female NPT x Female NPT**

| Size | DN Size | 316 Stainless Steel Part # | Aluminum Part # |
|---|---|---|---|
| 1" | 25 | SBC100SS | SBC100AL |
| 2" | 50 | SBC200SS | SBC200AL |
| 3" | 80 | SBC300SS | SBC300AL |
| 4" | 100 | SBC400SS | SBC400AL |
| 5" | 125 | SBC500SS | SBC500AL |
| 6" | 150 | SBC600SS | SBC600AL |



**Male NPT x Male NPT**

| Size | DN Size | 316 Stainless Steel Part # | Aluminum Part # |
|---|---|---|---|
| 2" | 50 | SBC200SSMNPT | SBC200ALMNPT |
| 3" | 80 | SBC300SSMNPT | SBC300ALMNPT |
| 4" | 100 | SBC400SSMNPT | SBC400ALMNPT |
| 5" | 125 | SBC500SSMNPT | SBC500ALMNPT |
| 6" | 150 | SBC600SSMNPT | SBC600ALMNPT |



**150# Flange x 150# Flange**

| Size | DN Size | 316 Stainless Steel Part # | Aluminum Part # |
|---|---|---|---|
| 1" | 25 | SBC100SSFL | --- |
| 2" | 50 | SBC200SSFL | SBC200ALFL |
| 3" | 80 | SBC300SSFL | SBC300ALFL |
| 4" | 100 | SBC400SSFL | SBC400ALFL |
| 5" | 125 | SBC500SSFL | SBC500ALFL |
| 6" | 150 | SBC600SSFL | SBC600ALFL |
| 8" | 200 | SBC800SSFL | --- |

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.



SBC400ALTTMA



SBC400ALTTMASV

**TTMA Flanged Breakaway Coupling**

### Features
- Minimizes spillage and damage associated with drive-away and pull-away incidents
- Installs between an API coupler and loading arm
- Coupling automatically senses excessive load, closes the valves and disconnects. Release is executed when force causes the bolts to break
- High flow rate / low pressure drop
- FKM/FPM is standard seal

### Specification
- **150 PSI** at ambient temperature **70°F (21°C)**

| Size | Aluminum Part # |
|---|---|
| 4" | SBC400ALTTMA |
| | SBC400ALTTMASV |

DIXON
The Right Connection®

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# Liquid Natural Gas Couplings

### Application
- Safe and reliable transfer of cryogenic liquefied natural gas (LNG) products to transport equipment such as cargo tanks, portable tanks, and liquefied natural gas liquid production facilities

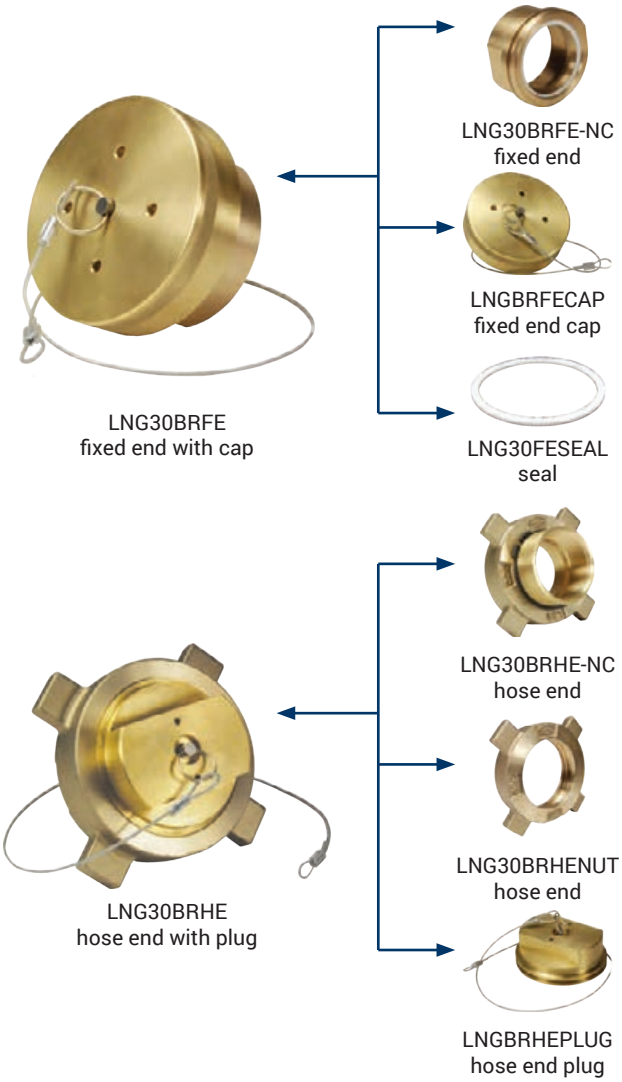
### Sizes
- 2", 3"

### Features
- Fixed end design threads on tank truck pipe connection line, manifold, pipe outlet, or pipe connection
- PTFE gasket reduces force needed to make a tight connection
- Connect by hammering the acme threaded nut onto a fixed end
- Hose end designed female NPT thread attached to hose end
- Snap ring keeps connection nut in place for easier connecting
- Hose end lugs intended to be struck with a non-sparking hammer or similar non-sparking device

### Materials
- Body: brass
- Seal: PTFE

### Specifications
- Compatible with LNG couplings made to CGA guidelines
- Temperature as low as **-320°F (-196°C)** at standard LNG transfer pressures
- **450 PSI** working pressure with 4 to 1 safety factor

### Approval
- Meets CGA V-6 LNG-30 guidelines




| Size | Description | Part # |
|---|---|---|
| 2" | LNG30 fixed end with 2" female NPT thread / cap and retaining cable | LNG20BRFE |
| 3" | LNG30 fixed end with 3" female NPT thread / cap and retaining cable | LNG30BRFE |
| 3" | LNG30 fixed end with 3" female NPT thread | LNG30BRFE-NC |
| 3" | LNG30 PTFE seal | LNG30FESEAL |
| --- | Cap for LNG30BRFE and LNG20BRFE | LNGBRFECAP |

| Size | Description | Part # |
|---|---|---|
| 2" | LNG30 hose end with 2" female NPT thread / with plug and retaining | LNG20BRHE |
| 3" | LNG30 hose end with 3" female NPT thread / with plug and retaining | LNG30BRHE |
| 2" | LNG20 hose end with 2" female NPT thread | LNG20BRHE-NC |
| 3" | LNG30 hose end with 3" female NPT thread | LNG30BRHE-NC |
| 3" | LNG30 swivel nut | LNG30BRHENUT |

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## Dry Evotek Couplings

### Applications
- Specifically designed for use in the chemical industry
- Rotating the coupling 120° clockwise opens the valves where the pressure engagement between hose and tank unit ensures a strong connection

### Sizes
- 1", 1-1/2", and 2"
- Additional sizes upon request

### Features
- Low connecting forces even against pressure
- Ergonomic handle on 1-1/2" and 2" sizes
- Good transmission ratio in the cam curve
- Wide range of chemical resistance due to high-quality material selection
- Minimized spillage during de-coupling

### Materials
- Body: stainless steel 1.4404
- Handle: PP polypropylene; 1" does not come with a handle
- O-rings: FPM, NBR, EPDM, FFKM
- Standard seal: FKM
- Optional seal: EPDM, NBR, and FFKM

### Specification
- Working pressure: **360 PS**I at ambient temperature **70°F (21°C)**

### Approvals
- PED 2014/68/EU 4.3
- ATEX 2014/34/EU Category 3G





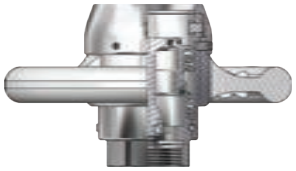
### Adapter x Female NPT

| Female NPT | Body Size | Part # |
|---|---|---|
| 1" | 59.5 mm | DDEA100SS |
| 1-1/2" | 89 mm | DDEA150SS |
| 2" | 106 mm | DDEA200SS |



### Adapter x 150# Flange

| 150# Flange | Body Size | Part # |
|---|---|---|
| 1" | 59.5 mm | DDEA100SSFL |
| 1-1/2" | 89 mm | DDEA150SSFL |
| 2" | 106 mm | DDEA200SSFL |



### Coupler x Female NPT

| Female NPT | Body Size | Part # |
|---|---|---|
| 1" | 59.5 mm | DDEC100SS |
| 1-1/2" | 89 mm | DDEC150SS |
| 2" | 106 mm | DDEC200SS |



### Coupler x 150# Flange

| 150# Flange | Body Size | Part # |
|---|---|---|
| 1" | 59.5 mm | DDEC100SSFL |
| 1-1/2" | 89 mm | DDEC150SSFL |

# FloMAX Part Number Cross Reference

## Standard Series Connectors

| Dixon® Part # | Caterpillar® Part # | Wiggins Part # | FastFill |
|---|---|---|---|
| Engine Oil Nozzles | --- | --- | --- |
| ENBL | 9S9273 | OS2 | N100 |
| ENBL-P | --- | OSP2 | N100P |
| ENBL-PLUG | 9S9274 | OP-12 | P100 |
| ERJ | --- | ON6 | --- |
| Engine Oil Receivers | --- | --- | --- |
| ERS | 9S9271 | ON2 | R100 |
| ERS-C | --- | ONC2A | R100C |
| ERS-CAP | 9S9272 | O3B12P | C100 |
| Coolant Fluid Nozzles | --- | --- | --- |
| CN | 108-5455 | EC280B8 | N200 |
| CN-P | --- | --- | N200P |
| CN-PLUG | 108-5456 | 1209-8 | P200 |
| Coolant Fluid Receivers | --- | --- | --- |
| CR-S | IQ5459 | EC285A8 | --- |
| CR-C | --- | --- | R200C |
| CR-CAP | 5P3587 | 1208-8 | C200 |
| Hydraulic Oil Nozzles | --- | --- | --- |
| HN | 108-5433 | 6000B12 | N300 |
| HN-P | --- | --- | N300P |
| HN-PLUG | --- | 6009-12 | P300 |
| Hydraulic Oil Receivers | --- | --- | --- |
| HR | 108-5454 | 6005A12 | R300 |
| HR-C | --- | --- | R300C |
| HR-CAP | IQ-5468 | 6008-12 | C300 |
| Transmission Fluid Nozzles | --- | --- | --- |
| TN | 126-7538 | C-1807 | N400 |
| TN-P | --- | --- | N400P |
| TN-PLUG | --- | P-1844 | P400 |
| Transmission Fluid Receivers | --- | --- | --- |
| TR | 108-5456 | P-1804 | R400 |
| TR-C | --- | --- | R400C |
| TR-CAP | SP3587 | P-1880 | C400 |

## Fuel Vent Series

| Dixon Part # | Caterpillar® Part # | Wiggins Part # | FastFill |
|---|---|---|---|
| VT | 6G7803 | ZV10 | V150 |
| VT7 | --- | ZV10F | V150L7 |
| VT9 | --- | ZV10 | --- |
| VTT | 5V6106 | ZV10C | V150C |
| VT-C | --- | ZV10A | V150A |
| VT-A-7 | 9G01965 | ZV11 | V150D |
| VT-A-9 | 4T1314 | ZV11A | --- |

## R Series Connectors

| Dixon Part # | Caterpillar® Part # | Wiggins Part # | FastFill |
|---|---|---|---|
| Engine Oil Nozzles | --- | --- | --- |
| R-EN | --- | R15 | N100R |
| R-EN-P | --- | --- | N100RP |
| R-EN-PLUG | --- | R1507 | P100R |
| Engine Oil Receivers | --- | --- | --- |
| R-ER | --- | R16 | R100R |
| R-ER-C | --- | --- | R100RC |
| R-ER-CAP | --- | R1605 | C100R |
| Coolant Fluid Nozzles | --- | --- | --- |
| R-CN | --- | R11 | N200R |
| R-CN-P | --- | --- | N200RP |
| R-CN-PLUG | --- | R1107 | P200R |
| Coolant Fluid Receivers | --- | --- | --- |
| R-CR | --- | R12 | R200R |
| R-CR-C | --- | --- | R200RC |
| R-CR-CAP | --- | R1205 | C200R |
| Hydraulic Oil Nozzles | --- | --- | --- |
| R-HN | --- | R17 | N300R |
| R-HN-P | --- | --- | N300RP |
| R-HN-PLUG | --- | R1707 | P300R |
| Hydraulic Oil Receivers | --- | --- | --- |
| R-HR | --- | R18 | R300R |
| R-HR-C | --- | --- | R300RC |
| R-HR-CAP | --- | R1805 | C300R |
| Transmission Fluid Nozzles | --- | --- | --- |
| R-TN | --- | R13 | N400R |
| R-TN-P | --- | --- | N400RP |
| R-TN-PLUG | --- | R1307 | P400R |
| Transmission Fluid Receivers | --- | --- | --- |
| R-TR | --- | R14 | R400R |
| R-TR-C | --- | --- | R400CR |
| R-TR-CAP | --- | R1405 | C400R |

## Diesel Fueling System

| Dixon Part # | Caterpillar® Part # | Wiggins Part # | FastFill | Shaw |
|---|---|---|---|---|
| Nozzles | --- | --- | --- | --- |
| FN600 | --- | ZZF150 | N150CP | --- |
| FN600BL | --- | ZZ9A1 | N150SL | --- |
| FN600B-PLUG | --- | --- | --- | --- |
| Receivers | --- | --- | --- | --- |
| FRS | 2G9000 | ZN2A | R150S | --- |
| FRS-C | --- | ZNC2A | R150SC | --- |
| FRA | --- | ZN2A | R150AL | --- |
| FRA-C | --- | ZNC2A | R150ALC | --- |
| FR-CAP | 0D0630 | ZC20P | C150 | 388-4327 |
| FR2 | 9D0630 | --- | --- | --- |
| FR2-C | --- | --- | --- | --- |
| FR2-R | --- | --- | --- | --- |
| GFR-0 | --- | ZN6A | A150A | --- |
| GFR-45 | --- | --- | --- | --- |
| GFR-90 | --- | ZN6B | A150B | --- |
| GFR1-0 | --- | ZN6B | --- | --- |
| GFR1-45 | --- | --- | --- | --- |
| GFR1-90 | --- | ZN6B | --- | --- |
| FNS | --- | ZS9 | S150 | --- |
| FNS2 | --- | --- | --- | --- |
| FN600S | --- | --- | --- | --- |
| BFN | --- | ZS5 | 28-N150B | --- |
| BH-F | --- | | FFF5C | --- |
| FNS10 | --- | --- | --- | --- |
| FR-SOCKET | | | R150SW | |

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# FloMAX Diesel Fueling System

**Application**
- Designed for on-site refueling of construction, mining, forestry, and agricultural equipment



## Diesel Fuel Nozzles



**Features**
- 1-1/2" female NPT
- Tested to **180 gallons per minute**
- Integrated high-flow swivel and sealing plug
- Plug/bumper assembly gives complete nose seal
- Investment cast aluminum housing
- Anodized aluminum non-wear parts
- Stainless steel wear components
- Delron® bushings eliminate metal-to-metal wear
- Interchanges with Caterpillar® and Wiggins systems

| Description | Part # |
|---|---|
| dog latch mechanism with sealing plug | FN600 |
| ball lock with sealing plug | FN600BL |
| sealing plug for FN600 | FN600B-PLUG |
| sealing plug for FN600BL | FN600B |

## One-Piece Diesel Fuel Receivers



**Features**
- 2" male NPT
- O-ring sealed aluminum cap
- Cap has set screw attached vinyl coated cable lanyard

| Description | Material | Part # |
|---|---|---|
| one-piece receiver without cap | nickel-plated steel | FRS |
| one-piece receiver with cap | nickel-plated steel | FRS-C |
| one-piece receiver without cap | anodized aluminum | FRA |
| one-piece receiver with cap | anodized aluminum | FRA-C |
| cap for receiver | anodized aluminum | FR-CAP |

## Two-Piece Diesel Fuel Receivers



**Features**
- 2" male NPT
- O-ring sealed aluminum cap
- Cap has set screw attached vinyl coated cable lanyard

| Description | Part # |
|---|---|
| two-piece receiver with removable stainless sleeve, without cap | FR-RS |
| two-piece receiver with removable stainless sleeve with cap | FR-RS-C |
| removable sleeve replacement for two-piece receiver | FR-RS-R |
| cap for receiver | FR-CAP |

# FloMAX Diesel Fueling System

## Non-Interchange Diesel Fuel Nozzle



**Application**
- Used in biodiesel fueling

**Features**
- 1-1/2" female NPT
- Design prevents fuel contamination
- Connects to the non-interchange receiver only
- Ball lock design

| Description | Part # |
|---|---|
| ball lock fuel nozzle | FN600BL-NI |

## Non-Interchange Diesel Fuel Receiver



**Application**
- Used in biodiesel fueling

**Features**
- Design prevents fuel contamination
- Connects to the non-interchange nozzle only
- Ball lock design

| Description | Anodized Aluminum Part # |
|---|---|
| one-piece receiver with cap | FRA-NI-C |

# 2" High Volume Diesel Fueling System

**Features**
- Capable of flowing over **400 GPM**
- 2" female NPT
- Stainless steel ball lock design
- Removable pull back assembly

**Materials**
- Housing: aluminum
- Non-wear parts: anodized aluminum
- Internal wear components: stainless steel
- Bushings: Delron®

## Diesel Fuel Nozzles



| Description | Part # |
|---|---|
| 2" fuel nozzle | FX1500[1] |
| 2" fuel nozzle - with plug | FX1500P[1] |
| 2" fuel nozzle - with swivel | FX1500S[1] |
| 2" fuel nozzle - with swivel, with plug | FX1500SP[1] |
| 2" sealing plug for nozzle | FX1500PLUG |

[1] Must be used with high flow fuel vents found on page 112

## Diesel Fuel Receivers



| Description | Part # |
|---|---|
| 2" diesel fuel receiver | FRX |
| 2" fuel receiver with cap | FRX-C |
| 2" cap for receiver | wFRXCAP |

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## FloMAX Diesel Fuel Gravity Fill Receivers



GFR-0



GFR-90

**Feature**

- Used with the FN600 or FN600BL to convert to gravity fueling

| Size | Description | Part # |
|---|---|---|
| 1-3/8" | straight | GFR-0 |
| | 45° | GFR-45 |
| | 90° | GFR-90 |
| 1" | straight | GFR1-0 |
| | 45° | GFR1-45 |
| | 90° | GFR1-90 |

## FloMAX Fuel Vents



VT



VTT

**Features**

- 2" male NPT
- Billet cap provides superior impact resistance
- Easily serviced all metal construction
- Rigid ball cage for positive seal
- Available with: threaded outlet, half coupling, and anti-vandalism mounting

| Description | Part # |
|---|---|
| vent with 5" tube | VT |
| vent with 7" tube | VT7 |
| vent with 9" tube | VT9 |
| vent with 5" tube and threaded outlet | VTT |

## FloMAX High Flow Fuel Vents



**Feature**

- 7" tubes are available, contact Dixon® for more information

| Description | Part # |
|---|---|
| high flow fuel vent with 5" tube | VTX |
| high flow fuel vent with 9" tube | VTX-9 |

## FloMAX Diesel Fuel Swivels




FNS - standard




FNSID - double

**Features**

- Stainless steel male threaded base and ball bearings
- Hard black anodized female threaded nut
- Fluorosilicone sealing O-rings

| Thread Size | Description | Part # |
|---|---|---|
| 1-1/2" male NPT x 1-1/2" female NPT | standard | FNS |
| 2" male NPT x 1-1/2" female NPT | standard | FNS2 |
| 1-1/2" female NPT x 1-1/2" female NPT | double | FNSID |
| 1-1/2" male NPS x 1-1/2" female NPT | standard | FN600S[1] |

[1] Used with FN600 or FN600BL

## FloMAX Service Box



**Features**

- Designed to enclose receivers for diesel fuel, hydraulic oil, transmission fluid, and coolant, reducing contamination and weather-related problems.
- Normally installed on heavy duty earth mover equipment and drill rigs
- 12 gauge steel construction with heavy duty hinges
- Painted with Imron® Primer

| Part # |
|---|
| FSB |

# FloMAX Standard-Series Connectors

**Features**
- Standard series connectors consist of four color-coded mating connectors
- All-metal construction with stainless steel wear components and anodized aircraft grade aluminum non-wear components
- Easily recognizable labeling
- Fully compatible and interchangeable with industry standards



## Engine Oil Nozzles

**Features**
- Bright red
- Universally fits both R-series and Standard series crankcase receivers
- Incorporates 10 locking balls with a 40% deeper engagement
- Resistant to clogging with a greater ease of cleaning
- Smooth actuation
- Larger diameter pullback lanyard

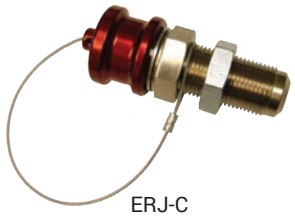


| Male Thread | Description | Anodized Aluminum Part # |
|---|---|---|
| 3/4" NPT | engine nozzle ball lock | ENBL |
| | engine nozzle ball lock with plug | ENBL-P |
| --- | engine nozzle plug | ENBL-PLUG |

## Engine Oil Receivers



ERS-C



ERJ-C

| Male Thread | Description | Anodized Aluminum Part # |
|---|---|---|
| 3/4" NPT | engine receiver | ERS |
| | engine receiver with cap | ERS-C |
| --- | engine receiver cap | ERS-CAP |
| 3/4" JIC | engine receiver with JIC bulkhead base | ERJ |
| | engine receiver with JIC bulkhead base and cap | ERJ-C |

## Coolant Fluid Nozzles

**Features**
- Bright teal
- Standard roll-pin locking mechanism
- Ergonomically engineered pullbacks and caps



| Male Thread | Description | Anodized Aluminum Part # |
|---|---|---|
| 1/2" NPT | coolant nozzle ball lock | CN |
| | coolant nozzle ball lock with plug | CN-P |
| --- | coolant nozzle plug | CN-PLUG |

## Coolant Fluid Receivers



| Male Thread | Description | Anodized Aluminum Part # |
|---|---|---|
| 1/2" NPT | coolant receiver | CR-S |
| | coolant receiver with cap | CR-C |
| --- | coolant receiver cap | CR-CAP |

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## FloMAX Standard-Series Connectors

### Hydraulic Oil Nozzles



**Features**
- Bright gold
- 10 steel dog latching mechanism
- Ergonomically engineered pullbacks and caps

| Female Thread | Description | Anodized Aluminum Part # |
|---|---|---|
| 3/4" NPT | hydraulic nozzle | HN |
| | hydraulic nozzle with plug | HN-P |
| --- | hydraulic nozzle plug | HN-PLUG |

### Hydraulic Oil Receivers



| Male Thread | Description | Anodized Aluminum Part # |
|---|---|---|
| 3/4" NPT | hydraulic receiver | HR |
| | hydraulic receiver with cap | HR-C |
| --- | hydraulic receiver cap | HR-CAP |

### Transmission Fluid Nozzles



**Features**
- Bright violet
- 6 steel dog latching mechanism
- Ergonomically engineered pullbacks and caps

| Male Thread | Description | Anodized Aluminum Part # |
|---|---|---|
| 1/2" NPT | transmission nozzle | TN |
| | transmission nozzle with plug | TN-P |
| --- | transmission nozzle plug | TN-PLUG |

### Transmission Fluid Receivers



| Female Thread | Description | Anodized Aluminum Part # |
|---|---|---|
| 3/8" NPT | transmission receiver | TR |
| | transmission receiver with cap | TR-C |
| --- | transmission receiver cap | TR-CAP |

# FloMAX R-Series Connectors

**Features**
- Fully compatible and interchangeable with industry standards
- All-metal construction using anodized aircraft grade aluminum non-wear components
- Standard roll-pin locking mechanism
- Ergonomically engineered pullbacks and caps

## Engine Oil Nozzles

**Feature**
- Bright red

| Female Thread | Description | Anodized Aluminum Part # |
|---|---|---|
| 3/4" NPT | R-series engine nozzle | R-EN |
| | R-series engine nozzle with plug | R-EN-P |
| --- | R-series engine nozzle plug | R-EN-PLUG |



## Engine Oil Receivers

| Male Thread | Female Thread | Description | Anodized Aluminum Part # |
|---|---|---|---|
| 1.625-12 UN-2A | 1.312-12 UN-2B | R-series engine receiver | R-ER |
| | | R-series engine receiver with cap | R-ER-C |
| --- | --- | R-series engine receiver cap | R-ER-CAP |



## Coolant Fluid Nozzles

**Feature**
- Bright teal

| Female Thread | Description | Anodized Aluminum Part # |
|---|---|---|
| 1/2" NPT | R-series coolant nozzle | R-CN |
| | R-series coolant nozzle with plug | R-CN-P |
| --- | R-series coolant nozzle plug | R-CN-PLUG |



## Coolant Fluid Receivers

| Male Thread | Female Thread | Description | Anodized Aluminum Part # |
|---|---|---|---|
| 1.187-12 UN-2A | .875-14 UN-2B | R-series coolant receiver | R-CR |
| | | R-series coolant receiver with cap | R-CR-C |
| --- | --- | R-series coolant receiver cap | R-CR-CAP |



C

# FloMAX R-Series Connectors

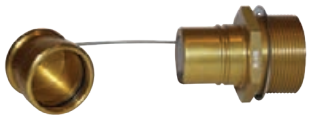
## Hydraulic Oil Nozzles



**Feature**
- Bright gold

| Female Thread | Description | Anodized Aluminum Part # |
|---|---|---|
| 1" NPT | R-series hydraulic nozzle | R-HN |
| | R-series hydraulic nozzle with plug | R-HN-P |
| --- | R-series hydraulic nozzle plug | R-HN-PLUG |

## Hydraulic Oil Receivers



| Male Thread | Female Thread | Description | Anodized Aluminum Part # |
|---|---|---|---|
| 1.875-12 UN-2A | 1.625-12 UN-2B | R-series hydraulic receiver | R-HR |
| | | R-series hydraulic receiver with cap | R-HR-C |
| --- | --- | R-series hydraulic receiver cap | R-HR-CAP |

## Transmission Fluid Nozzles




**Feature**
- Bright violet

| Female Thread | Description | Anodized Aluminum Part # |
|---|---|---|
| 3/4" NPT | R-series transmission nozzle | R-TN |
| | R-series transmission nozzle with plug | R-TN-P |
| --- | R-series transmission nozzle plug | R-TN-PLUG |

## Transmission Fluid Receivers



| Male Thread | Female Thread | Description | Anodized Aluminum Part # |
|---|---|---|---|
| 1.312-12 UN-2A | 1.062-12 UN-2B | R-series transmission receiver | R-TR |
| | | R-series transmission receiver, with cap | R-TR-C |
| --- | --- | R-series transmission receiver cap | R-TR-CAP |

## FloMAX High Flow 3/4"-Series Connectors

### Features
- 6 nozzle and receiver sets color-coded for quick identification of mating parts; each color nozzle and receiver only couples with matching color component, providing complete protection against cross contamination

### Specifications
- Maximum flow rate: **50 GPM** at **40 PSI**
- Working pressure rating: **200 PSI**

### Nozzles

| Male Thread | Description | Anodized Aluminum Part # |
|---|---|---|
| 3/4" NPT | red nozzle with plug | ENBL-P |
| | gold nozzle with plug | ENBL-P2 |
| | teal nozzle with plug | ENBL-P3 |
| | violet nozzle with plug | ENBL-P4 |
| | navy nozzle with plug | ENBL-P5 |
| | copper nozzle with plug | ENBL-P6 |



### Receivers

| Male Thread | Description | Anodized Aluminum Part # |
|---|---|---|
| 3/4" NPT | red receiver with cap | ERS-C |
| | gold receiver with cap | ERS-C2 |
| | teal receiver with cap | ERS-C3 |
| | violet receiver with cap | ERS-C4 |
| | navy receiver with cap | ERS-C5 |
| | copper receiver with cap | ERS-C6 |




NOTE: ERS series is available with JIC bulkhead base, substitute 'J' for 'S', example: ERJ-C2

## FloMAX High Flow 1" Series Connectors

### Features
- 7 color-coded nozzle and receiver sets for quick identification of mating parts; nozzle and receiver only couple with matching color component, providing complete protection against cross contamination
- Nozzle/receiver combination has a flow area equivalent to a 1" schedule 80 pipe
- All wear parts are stainless steel; all non-wear parts are colored anodized aircraft grade aluminum
- Standard nozzle mounting: 1" female NPT; receiver: 1" male NPT
- Nozzle incorporates a ball lock mechanism ensuring smooth and reliable operation
- Length: nozzle 3.90" (99 mm), receiver 3.44" (87 mm)
- Nozzle and receiver coupled length: 5.44" (138 mm)
- Diameter: 2.50" (64 mm)
- Hex size: 2" (51 mm)

### Specification
- Working pressure: **500 PSI** with burst pressure: **1500 PSI**

### Nozzles

| Female NPT | Description | Anodized Aluminum Part # |
|---|---|---|
| 1" | red nozzle with plug | HFN-P1 |
| | gold nozzle with plug | HFN-P2 |
| | teal nozzle with plug | HFN-P3 |
| | violet nozzle with plug | HFN-P4 |
| | navy nozzle with plug | HFN-P5 |
| | copper nozzle with plug | HFN-P6 |
| | blue/gray nozzle with plug | HFN-P7 |




### Receivers

| Male NPT | Description | Anodized Aluminum Part # |
|---|---|---|
| 1" | red receiver with cap | HFR-C1 |
| | gold receiver with cap | HFR-C2 |
| | teal receiver with cap | HFR-C3 |
| | violet receiver with cap | HFR-C4 |
| | navy receiver with cap | HFR-C5 |



C

## TTMA-Series Flange Adapters

**Features**

- Simply and easily converts threaded components to a standard TTMA flange configuration
- Solid cast lightweight aluminum design is more durable than welded fabrications
- Design improves flow through adapter
- Compact size reduces the overall space needed to install



### TTMA Flange x Male NPT Adapters

| TTMA Flange | Male NPT | Overall Length | Aluminum Part # |
|---|---|---|---|
| 3" | 3" | 2-1/2" | TTF3AL-3MT |
| 4" | 3" | 2-1/2" | TTF4AL-3MT |
| | 4" | 2-1/2" | TTF4AL-4MT |



### TTMA Flange x Extended Length Male NPT Adapters

| TTMA Flange | Male NPT | Overall Length | Aluminum Part # |
|---|---|---|---|
| 4" | 3" | 5-1/2" | TTF4AL-3EMT |
| | 4" | 5-1/2" | TTF4AL-4EMT |



### TTMA Flange x Female NPT Adapters

| TTMA Flange | Female NPT | Overall Length | Aluminum Part # |
|---|---|---|---|
| 4" | 3" | 2-1/2" | TTF4AL-3FT |
| | 4" | 2-1/2" | TTF4AL-4FT |



### TTMA Slip-on Socket Weld Flange

| TTMA Flange | Pipe Size | 356T6 Aluminum Part # |
|---|---|---|
| 4" | 4" | TTF400SP |



### TTMA Slip-on Plate Flange

| TTMA Flange | Pipe Size | Aluminum Part # |
|---|---|---|
| 4" | 4" | TTMA-64 |



### TTMA Buttweld Flange

| TTMA Flange | Pipe Size | Thickness | Aluminum Part # |
|---|---|---|---|
| 3" | 4" | 3/8" | TTF3AL |
| 4" | 4" | 3/8" | TTF4AL |

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.

## TTMA Flange Spacer with 1/2" Port

| Size | Description | Aluminum Part # |
|---|---|---|
| 4" | flange spacer with 1/2" female NPT port | TTFS4AL-FP50 |





## TTMA Flange Extensions

**Application**
- Used on load arms to connect an API load coupler to a load arm

**Features**
- Adds a 6" space between the load arm and the tank truck
- Extension with groove provides a specified parting point to prevent excessive damage to the loading arm



TETF4AL



TETFG4AL

| Size | Description | Aluminum Part # |
|---|---|---|
| 4" | TTMA flange extension | TETF4AL |
| | TTMA flange extension with groove | TETFG4AL |
| | TTMA flange extension with 1/2" female NPT port | TETF4ALFP50 |

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.

## Cam & Groove Adapter x TTMA Flange

**Features**
- Aluminum flanges have a flat face, stainless flanges have a raised face
- Reference dixonvalve.com for flange drilling standards
- Pressure rating is based on the seal of the mating part, see ratings on page 20



| Size | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 2" x 3" | 2030-ALT-AL | --- |
| 3" | 300-ALT-AL | 300-ALT-SS[1] |
| 3" x 4" | 3040ALTAL | --- |
| 4" | 400-ALT-AL | 400-ALT-SS[1] |
| 6" | 600-ALT-AL | --- |

[1] Parts are produced as a welded fabrication

## Cam & Groove Coupler x TTMA Flange

**Features**
- Supplied standard with a nitrile rubber gasket, other gaskets available on pages 68 - 71
- Use Dixon® replacement handles only



| Size | 356T6 Aluminum Part # |
|---|---|
| 3" | 300-DLT-AL |
| 3" x 4" | 3040DLTAL |
| 4" | 400-DLT-AL |
| 6" | 600-DLT-AL |

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.

## Cam & Groove 22-1/2° Adapter x TTMA Flange

**Feature**
- Pressure rating is based on the seal of the mating part, see ratings on page 20



| Size | 356T6 Aluminum Part # |
|---|---|
| 4" | 40022ALTAL |

## Cam & Groove 22-1/2° Coupler x TTMA Flange

**Features**
- Supplied standard with a nitrile rubber gasket, other gaskets available on pages 68 - 71
- Use Dixon replacement handles only



| Size | 356T6 Aluminum Part # |
|---|---|
| 3" | 30022ALTAL |
| 4" | 40022DLTAL |

C

# Dixon® Vapor Recovery Couplers

**Feature**
- Not intended for liquid service; for vapor recovery only

**Materials**
- Body: cast aluminun
- Arms: bronze with stainless steel pins
- Finger rings: plated carbon steel
- Gasket: nitrile rubber



### Coupler with Probe x Adapter

| Coupler Size | Adapter Size | 356T6 Aluminum Part # |
|---|---|---|
| 4" | 3" | 4030-DAVR-AL |



### Coupler with Probe x Coupler with Probe

| Coupler Size | Coupler Size | 356T6 Aluminum Part # |
|---|---|---|
| 4" | 4" | 400-DDVR-AL |

### Coupler with Probe x Hose Shank



VR4030CS-AL

**Applications**
- For use with 3" vapor hose
- Not intended for liquid service; for vapor recovery only

**Features**
- VR4030CS-AL has an FKM O-ring poppet seal
- Dixon replacement handle assemblies will not work on these fittings; contact Dixon for replacements

**Materials**
- Cast aluminum body
- Arms : bronze
- Pins and finger rings: stainless steel
- Gasket: nitrile rubber



VRC3000AL



4030-CVR-AL

| Coupler Size | Hose Shank Size | Description | Part # |
|---|---|---|---|
| 3" | 3" | --- | VRC3000AL |
| 4" | 2" | --- | 4020-CVR-AL |
| 4" | 3" | no poppet | 4030-CVR-AL |
| 4" | 3" | poppet | VR4030CS-AL[1] |
| 4" | 3" | floating bridge poppet | VR4030CS-SH[2] |
| 4" | 4" | no poppet | 400-CVR-AL |
| 4" | 4" | floating bridge poppet | VR4040CS-AL[2] |

[1] Interchanges with all competitor vapor valves *except* Civacon #633LVH (special bulb design)
[2] Superior interface with air interlock

### Repair Kits

| Description | Part # |
|---|---|
| seal repair kit: gasket, machine screw and FKM O-ring | VR4040CSRK1 |
| cam arm repair kit: paddle arm and cam arm pin | VR4040CSRK2 |

C

## Dixon® Vapor Recovery

### Couplers



VR4030CS-AL45

**Features**
- 'Floating bridge' poppet design allows optimal flow
- Machined hose shank ensures easier insertion into hose and better sealing
- Durable, easy-to-couple stainless cam arms
- Big wings ensure contact with air interlock button on tanker helping prevent drive-offs
- Change poppet seal without removing the coupler from the hose
- Secure to hose with traditional band clamps or built in crimp collar
- 4" MNPT version allows for either cam and groove or threaded flange option
- Not intended for liquid service; for vapor recovery only

**Materials**
- Seal: Nitrile rubber and FKM

| Coupler Size | Description | Aluminum Part # |
|---|---|---|
| 4" | 4" coupler x 4" hose shank | VR4040CS-AL |
| | 4" coupler x 3" 45° hose shank | VR4030CS-AL45 |
| | 4" coupler x 4" 45° hose shank | VR4040CS-AL45 |
| | 4" coupler x 4" 45° hose shank swivel | VR4040CS-ALS45 |
| | 4" coupler x 4" MNPT connection | VR4040CS-4MNPT |
| | 4" coupler x 3" hose shank | VR4030CS-SH |



VR4040CS-AL

## Bayloc® Vapor Coupler with Locking Handle

**Application**
- For use in petroleum loading terminals

**Materials**
- Body: aluminum
- Seals: FKM

**Specification**
- Maximum operating pressure: **120 PSI**



| Size | Part # |
|---|---|
| 3" | DBC62LVPR-300 |

NOTE: Must be used with a 4100FNG series check valve.

### Repair Kits

| Description | Part # |
|---|---|
| handle kit | VRHK |
| compact handle kit | VRHK-C |
| seal repair kit | VR4040CSRK1 |
| cam arm repair kit | VR4040CSRK2 |



VRHK

### Coupler x Female NPT

**Feature**
- Not intended for liquid service, for vapor recovery only

**Materials**
- Body: cast aluminum
- Arms: bronze with stainless steel pins
- Finger rings: plated carbon steel
- Gasket: nitrile rubber





| Coupler Size | Female NPT Size | 356T6 Aluminum Part # |
|---|---|---|
| 4" | 3" | 4030-DVR-AL |
| | 4" | 400-DVR-AL |

## EZ Boss-Lock Vapor Recovery Coupler with Probe x TTMA Flange

New

**Materials**
- Body: 356T6 aluminium
- Arms: stainless steel EZ Boss-Lock
- Gasket: nitrile rubber



| Coupler Size | Flange Size | 356T6 Aluminum Part # |
|---|---|---|

C



## TTMA Flange Gaskets

| Size | O.D. | I.D. | Thick. | Material | Part # |
|---|---|---|---|---|---|
| 2" | 4-1/2" | 2-5/8" | 1/8" | Baylast™ | 200GTTFBL |
| 3" | 5-5/8" | 3-1/2" | 1/8" | Cork / Nitrile rubber | 300GTTFCB |
| | 5-5/8" | 3-1/2" | 1/16" | PTFE envelope with Klinger filler | 300GTTFTK |
| | 5-5/8" | 3-1/2" | 1/8" | Klingersil® C-4300 | 300GTTFK |
| | 5-29/32" | 3-1/2" | 3/32" | PTFE with fiber core | 40321TF |
| | 7-1/4" | 5" | 5/32" | PTFE with soft fiber core | 40364TF |
| | 7-1/4" | 5" | 1/8" | Baylast | 40364BL |
| | 5-5/8" | 3-5/8" | 1/8" | Baylast | 300GTTFBL |
| 4" | 6-5/8" | 4-9/16" | 1/8" | Cork / Nitrile rubber | 400GTTFCB |
| | 6-5/8" | 4-9/16" | 1/16" | PTFE envelope with Klinger filler | 400GTTFTK |
| | 6-5/8" | 4-9/16" | 1/8" | Klingersil C-4401 | 400GTTFK |
| | 6-7/8" | 4-9/16" | 3/32" | PTFE with fiber core | 40322TF |
| | 8-3/8" | 5-7/8" | 5/32" | PTFE with soft fiber core | 40323TF |
| | 8-1/4 | 5-7/8 | 1/8" | Baylast | 40323BL |
| | 6-5/8" | 4-5/8" | 1/8" | Baylast | 400GTTFBL |

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.

## Sight Flow Indicators

### Features

- Due to the proprietary blending of petroleum products, Dixon® recommends that thermoplastic tubing and gaskets be immersion tested in the product to be handled to ensure compatibility (not compatible with crude oil)
- For dimensional information on tank truck flange drilling, reference dixonvalve.com
- Maximum flange bolt torque is 200 in-lb (inch pounds)

## TTMA Flanged Short Sight Flow Indicators



### Features

- Durable cast aluminum housing, replaces competitions all acrylic sight glass as commonly found on tank trucks
- Allows for visual identification of the fuel grade prior to opening the valve
- Works with tank truck flanged butterfly valves found on gasoline trucks
- Low-cost sight glass tube can be easily replaced

### Specification

- Rated to **150 PSI**

| Size | Width | Aluminum Part # |
|---|---|---|
| 3" | 1-3/4" | 5200-SFI-3 |
| 4" | 1-3/4" | 5200-SFI |

## TTMA Flanged Sight Flow Indicators



### Features

- Allows for visual identification of the fuel grade prior to opening the valve
- Works with tank truck flanged butterfly valves found on gasoline trucks
- Larger I.D. 4-3/8" flow indicator allows tank truck flanged butterfly valves to connect to either end of the indicator

### Specification

- Pressure rating: **150 PSI**

| Size | Width | I.D. | Aluminum Part # |
|---|---|---|---|
| 4" | 3-1/4" | 4-3/8" | 5201-SFI |



### Features

- Allows for visual identification of the fuel grade prior to opening the valve
- 4" flow diameter

| Size | I.D. | Aluminum Part # |
|---|---|---|
| 4" | 4-3/8" | 4-1460-AL |

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.

## TTMA Flanged Sight Flow Indicators

| Size | Nominal Width | Acrylic Part # |
|---|---|---|
| 3" | 1-3/4" | TT3ASG |
| 4" | 1-3/4" | TT4ASG |
| 3" | 1-3/4" | TT3ASG-ETH[1] |
| 4" | 1-3/4" | TT4ASG-ETH[1] |



### Optically Enhanced Sight Glass

| Size | Nominal Width | Acrylic Part # |
|---|---|---|
| 3" | 1-3/4" | TT3ASGOE |
| 4" | 1-3/4" | TT4ASGOE |
| 3" | 1-3/4" | TT3ASG-ETHOE[1] |
| 4" | 1-3/4" | TT4ASG-ETHOE[1] |

[1] For use with ethanol

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.

## Sight Flow Indicator Repair Kits

| Description | Used on | Part # |
|---|---|---|
| 3" replacement sight glass, Baylast™ O-ring and retainer ring kit | --- | 5200-SFI-3-RK1 |
| 3" replacement sight glass, FKM O-ring and retainer ring kit | --- | 5200-SFI-3V-RK1 |
| 4" replacement sight glass, Baylast O-ring and retainer ring kit | --- | 5200-SFI-RK1 |
| 4" replacement sight glass, FKM O-ring and retainer ring kit | --- | 5200-SFIV-RK1 |
| replacement Baylast O-rings, sight glass and retaining ring | 5201-SFI | 5201-SFI-RK1 |
| Nitrile rubber O-ring | --- | O249BU |
| plexiglass insert | --- | 4PSG |
| Nitrile rubber O-ring | --- | O246BU |



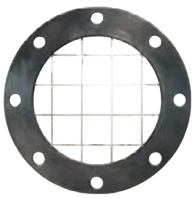
5200-SFIV-RK1

## TTMA Flange Screen

**Feature**

- Stainless steel screen is encapsulated in an FKM gasket

| Size | Description | Stainless Steel Part # |
|---|---|---|
| 4" | screen with 1" square holes | TTFS4SS |



NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.

C

## Railroad Tank Car Connections

**Features**
- All swivel nuts have standard 5" Railroad Tank Car thread
- Supplied with a nitrile rubber gasket in the threaded end, other gaskets available on page 127
- Also available in other materials and in 2" and 2-1/2" sizes, consult Dixon® for pricing and availability

### Style A



| Male Adapter | Swivel Nut | Elbow | 316 Stainless Steel Part # | Aluminum Part # |
|---|---|---|---|---|
| 3" | 5" | 120° | RTCA30 | --- |
| 4" | 5" | 110° | RTCA40[1] | ATCA40 |

[1] Parts are produced as a welded fabrication

NOTE: Stainless steel railroad tank car connections are not compatible with aluminum and brass.

### Style F



110° elbow

**Features**
- 4" TTMA flange can be bolted to sight glass; API adapter or other dry disconnect
- Supplied with PTFE nitrile rubber envelope gasket

| TTMA Flange | Swivel Nut | Elbow | Aluminum Part # |
|---|---|---|---|
| 4" | 5" | 110° | ATCF40[1] |
| | 5" | 90° | ATCF40-90 |

[1] Part is produced as a welded fabrication

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.

### Style GF



110° elbow

**Feature**
- 4" TTMA flange can be bolted to sight glass; API adapter or other dry disconnect

| TTMA Flange | Boss-lock Coupler | Elbow | Aluminum Part # |
|---|---|---|---|
| 4" | 4" | 110° | ATCGF40 |
| | 4" | 90° | ATCGF40-90 |

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.

### Screen



**Features**
- Stainless steel screen encapsulated in a nitrile rubber gasket
- For use in Style GF elbows

| Size | Hole Size | 316L Stainless Steel Part # |
|---|---|---|
| 4" | 1" | 400-G-BUSS |

### Style S



| Shank Size | Swivel Nut | Elbow | Aluminum Part # |
|---|---|---|---|
| 4" | 5" | 110° | ATCS40 |

C

## Railroad Tank Car Connections

### Style T

| Male NPT | Swivel Nut | Elbow | Iron Part # | Aluminum Part # |
|---|---|---|---|---|
| 3" | 5" | 120° | TCT30 | ATCT30 |
| 4" | 5" | 110° | TCT40 | ATCT40 |



### Style T

| Male NPT | Swivel Nut | Elbow | 316 Stainless Steel Part # |
|---|---|---|---|
| 3" | 5" | 120° | RTCT30 |
| 4" | 5" | 110° | RTCT40 |



NOTE: Components that make up these assemblies are not interchangeable between stainless steel and the other materials.

### Dixon® Coupler x Tank Car Thread

**Features**
- Part is produced as a welded fabrication
- Pressure rating is based on the seal of the mating part, see ratings on page 20
- Use Dixon replacement handles only

| Coupler | MaleTank Car Thread | Aluminum Part # |
|---|---|---|
| 4" | 5" | 400DWX5TC |



### EZ Boss-Lock x Coupler Tank Car Thread

**Features**
- Part is produced as a welded fabrication
- Pressure rating is based on the seal of the mating part, see ratings on page 20
- Use EZ Boss-Lock replacement handles only

| Coupler | Male Tank Car Thread | Aluminum Part # |
|---|---|---|
| 4" | 5" | AD400ALEZMTC |



C

## Railroad Unloading Assemblies

**Features**
- Robust aluminum body construction
- Removable, easy-carry handle
- Safe and reliable - valves will not open unless fittings are properly connected
- Multiple configurations available; consult Dixon® for pricing and availability



### Assembly with Dixon MannTek Dry Disconnect Adapter

| Adapter Size | Swivel Nut Size | Aluminum Part # |
|---|---|---|
| 4" | 5" | ATC40ASSDDA |



### Assembly with API Adapter

**Feature**
- Stainless steel springs on the adapter and coupler for corrosion resistance

| Adapter Size | Swivel Nut Size | Aluminum Part # |
|---|---|---|
| 4" | 5" | ATC40ASSAPI |

## Dixon Tank Car Adapters



rocker lug



pin lug

**Features:**
- Standard 5" Railroad Tank Car thread
- Supplied with a nitrile rubber gasket in the threaded end; see next page for more gaskets

| Size | 356T6 Aluminum Part # | Brass Part # | Iron Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 2" | 200-TCA-AL | --- | --- | 200-TCA-SS |
| 3" | 300-TCA-AL | 300-TCA-BR | 300-TCA-MI | 300-TCA-SS |
| 4" | 400-TCA-AL | 400-TCA-BR | --- | 400-TCA-SS |

NOTE: Stainless steel adapters are not compatible with the aluminum and brass adapters.

### 45° Swivel



**Features**
- Standard 5" Railroad Tank Car thread
- 45° tank car swivel adapter
- Unit has a long handle brass swivel nut and a swivel retaining ring
- Supplied with a nitrile rubber gasket in the threaded end; see next page for more gaskets

| Size | 356T6 Aluminum Part # |
|---|---|
| 4" | 40A-45TCAL |

NOTE: 4" hose fittings for railroad tank car unloading can be found on pages 124 - 125.

# Railroad Tank Car Gaskets

## Old Style

**Feature**
- For use with Dixon® fittings



| Size | O.D. | I.D. | Thick | Leather Part # |
|---|---|---|---|---|
| 5" | 5-1/4" | 3-1/2" | 3/16" | G9 |

## Standard

**Feature**
- For use with Dixon fittings



| Size | O.D. | I.D. | Thick | Material | Part # |
|---|---|---|---|---|---|
| 5" | 5-1/4" | 3-7/8" | 1/8" | Nitrile rubber | 500GTCABU |
| | 5-1/4" | 3-7/8" | 1/8" | FKM | 500GTCAVI |
| | 5-1/4" | 3-7/8" | 1/8" | fuel grade nitrile rubber | 500GTCABF |
| | 5-5/16" | 3-7/8" | 3/16" | FKM | 500GTCAVITHK |

## PTFE Envelope

**Features**
- For use with Dixon fittings
- May be too thick for insertion in some older Dixon fittings



| Size | O.D. | I.D. | Thick | Material | Part # |
|---|---|---|---|---|---|
| 5" | 5-1/4" | 3-13/16" | 3/16" | PTFE with nitrile rubber filler | 500GTCATF |
| | 5-1/4" | 3-13/16" | 3/16" | PTFE with FKM filler | 500GTCATV |

# Pin Lug Wrench

**Feature**
- Used on aluminum and iron tank car nuts



| Iron Part # |
|---|
| G10 |

C

## Swivel Joints

### Applications

- Used wherever a leak-proof swivel connection is needed in pipelines or in combination with hoses to eliminate hose twisting
- Industries range from petroleum, petrochemical, refining, mining, distilling, paint, farm irrigation and fertilizing, wastewater treatment plants, and food and beverage process equipment. Dixon® swivel joints are found in blending plants, drum filling applications, fluid and dry bulk transfer, vacuum trucks, oil and gas trucks and water trucks. Larger swivels can be found in the steel industry, marine bulk transfer, and many more applications.



### Features

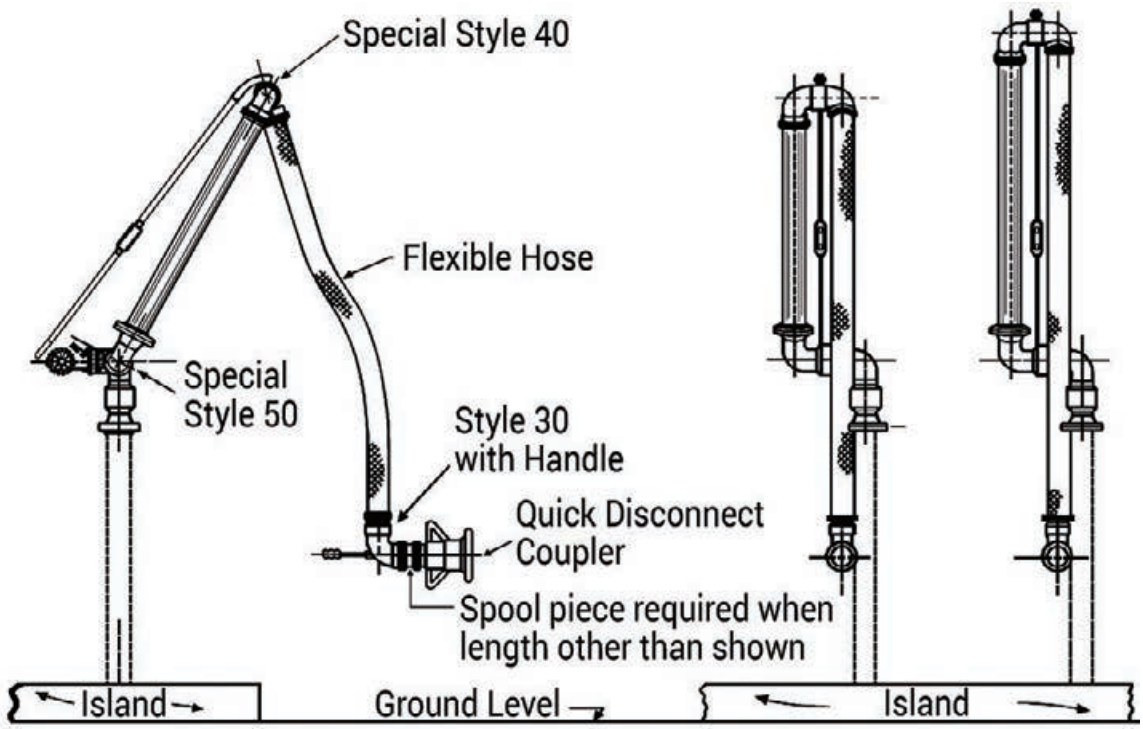
- Full 360° rotational movement
- Wide spacing between dual ball bearing raceways ensures greater load bearing capacity
- Precision-machined design ensures alignment and years of trouble-free service
- O-ring dust seal protects the ball races and seals chamber from outside elements
- Radius elbow design ensures a smooth flow pattern
- Hydrostatic testing is performed on all swivels before shipment

### Options Available

- End configurations: female NPT, 150# flanges, TTMA flange, grooved, weld end, and many other variations
- Seal options: Nitrile rubber, FKM, PTFE, EPDM, FDA nitrile rubber, FFKM
- Ball bearing materials: carbon steel, 440 stainless steel, and 316 stainless steel
- Grease materials: Lithium, FDA approved/food grade, and silicone
- Swivels that include oxygen, steam or submerged service can be specifically designed for unique applications (special order)
- 100% full penetration weld
- Re-build kits available
- Custom swivel options available; contact Dixon® at 888.226.4673

Swivel configurator available dixonvalve.com

### Typical Applications



## O-Ring Swivel Joints

### Applications
- Commonly used in aluminum loading/unloading arm applications

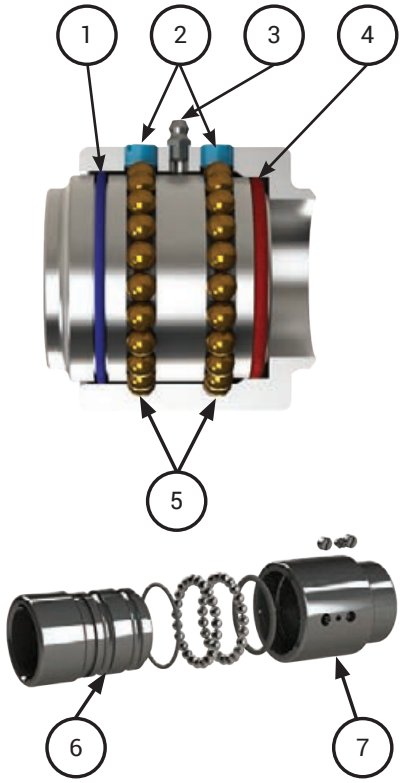
### Sizes
- 1" - 4"

### Features
- O-ring pressure seal ensures a leak-proof seal and smooth rotation with lower torque
- Smooth moving seal for high-volume drum and tote loading
- Swivel end configurations: 150 lb. and 300 lb. flanges, FNPT, MNPT, butt weld, TTMA, and others upon request

### Materials
- Available in carbon steel, 316L stainless steel, aluminum, brass, and malleable iron

### Specification
- Available working pressure ratings up to **1,000 PSI**

### Bill of Materials
1. O-ring (dust) seal
2. Ball retainer screw
3. Grease fitting
4. O-ring (pressure) seal
5. Ball bearings
6. Sleeve
7. Body




## V-Ring Swivel Joints

### Applications
- V-ring, also known as chevron packing, is a multiple lip seal known for its reliability and long life
- Designed to seal even under misalignment caused by race wear from years of service

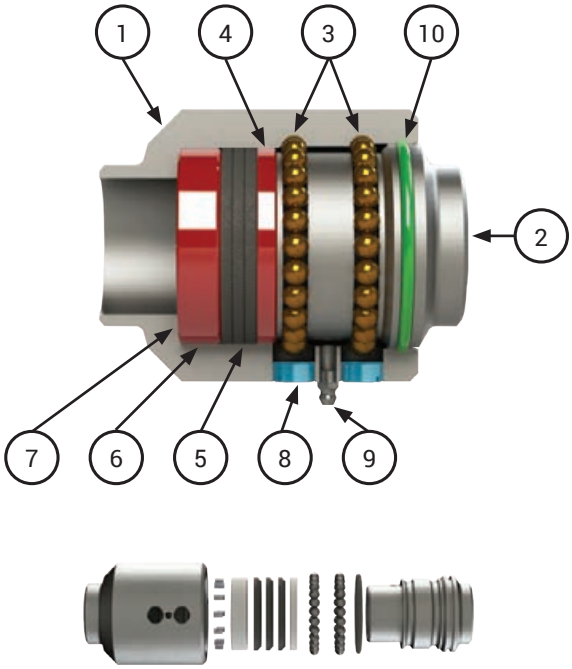
### Sizes
- 2" - 12"

### Features
- Three lip seals and the ability to seal even if the unit is in misalignment result in longer time between service periods, increasing up-time efficiencies, and lowering maintenance costs
- Spring-loaded triple V-ring sealing system ensures a leak-proof seal at high or low pressure and extends seal life
- Swivels are shipped standard with the following:
  - Nitrile rubber pressure seals and dust seals
  - Carbon steel ball bearings
  - PTFE retainers in V-ring swivels

### Materials
- Carbon steel, 316L stainless steel, and aluminum

### Specification
- Available working pressure ratings up to **1,000 PSI**

### Bill of Materials
1. Body
2. Sleeve
3. Ball bearings
4. Seal retainer
5. V-ring (pressure) seal
6. Spring retainer
7. Spring
8. Ball retainer screw
9. Grease fitting
10. O-ring (dust seal)



## Single Plane Style 20



female NPT x female NPT

| Size | Aluminum Part # | Malleable Iron Part # |
|---|---|---|
| 1-1/2" | 15020FXFAL00000 | 15020FXFMI00000 |
| 2" | 220FXFAL00000 | 220FXFMI00000 |
| 3" | 320FXFAL00000 | 320FXFMI00000 |
| 4" | 420FXFAL00000 | --- |

## Single Plane Style 30



female NPT x female NPT

| Size | Aluminum Part # | Malleable Iron Part # |
|---|---|---|
| 1-1/2" | 15030FXFAL00000 | 15030FXFMI00000 |
| 2" | 230FXFAL00000 | 230FXFMI00000 |
| 3" | 330FXFAL00000 | 330FXFMI00000 |
| 4" | 430FXFAL00000 | --- |

NOTE: Contact Dixon® at 888.226.4673 for additional sizes, materials and configurations

## Swivel Joint Styles Planes of Rotation

### Single Plane Style 40



female NPT x female NPT



150# ASA flange x 150# ASA flange

### Double Plane Style 50



female NPT x female NPT



150# ASA flange x 150# ASA flange

### Double Plane Style 60



female NPT x female NPT



150# ASA flange x 150# ASA flange

## Swivel Joint Styles Planes of Rotation

### Double Plane Style 70



female NPT x female NPT

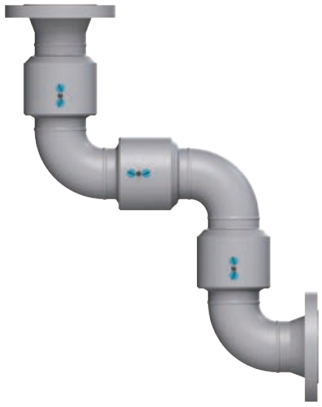


150# ASA flange x 150# ASA flange

### Triple Plane Style 80



female NPT x female NPT

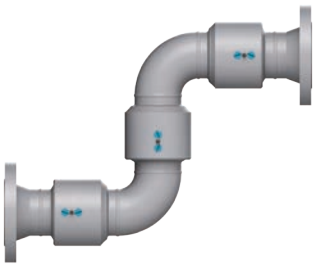


150# ASA flange x 150# ASA flange

### Triple Plane Style 10



female NPT x female NPT



150# ASA flange x 150# ASA flange

### Working Pressures

Dixon® swivels are recommended for use at the following maximum Non-Shock Cold Working Pressures (NSCWP) provided in **PSI**, at ambient temperatures **70°F (21°C)**.

| Size | V-ring Carbon Steel CS | O-ring Carbon Steel OC | V-ring Stainless Steel SS | O-ring Stainless Steel OS | Aluminum AL | Brass BR | Malleable Iron MI |
|---|---|---|---|---|---|---|---|
| 1" | --- | **1000** | --- | **1000** | **150** | --- | --- |
| 1-1/4" | --- | --- | --- | --- | **150** | --- | --- |
| 1-1/2" | --- | **1000** | --- | **1000** | **150** | **300** | **600** |
| 2" | **1000** | **1000** | **1000** | **1000** | **150** | **300** | **600** |
| 3" | **1000** | **1000** | **1000** | **1000** | **150** | **300** | **600** |
| 4" | **1000** | --- | **1000** | --- | **150** | --- | --- |
| 6" | **1000** | --- | --- | --- | **150** | --- | --- |
| 8" | --- | --- | --- | --- | **150** | --- | --- |

- When using flanged ends, the pressure rating will be reduced to coincide with that of the flange being used. Carbon steel and stainless steel 150# flanges are recommended for use at **275 PSI** maximum at ambient temperature **70°F (21°C)**.
- Lubrication should be performed periodically, depending on service and operating conditions. Twice yearly is normally sufficient.
- All dimensions are approximate. Where critical, contact Dixon at 888.226.4673

## Swivel Ordering Information

| |
|---|
| Size |
| Style (shape) |
| End configuration |
| Material |
| Maximum working pressure |
| Temperature range |
| Media: specify product being handled (if chemical, advise concentration) |
| Submerged or oxygen service |
| If for constant rotation, advise RPM |
| If for suction service, advise maximum vacuum in inches of mercury (Hg) |

Our Sales and Engineering staff will help you evaluate your swivel application: please call 888.226.4673.

Example: 2 [A] 20 [B] F [C] X F [C] CS [D] 0 [E] 0 [F] 1 [G] 0 [H] 0 [I]

| | | | | | |
|---|---|---|---|---|---|
| A<br>Size | | | | | |
| B<br>Style | | | | | |
| C<br>End<br>Connections | W<br>Weld End | F<br>Female NPT | FG<br>150# ASA Flange | TF<br>Tank Truck Flange | PF<br>300# ASA Flange<br>(not available in aluminum |
| D<br>Material | CS (V-ring)<br>Carbon Steel<br>OC (O-ring)<br>Carbon Steel | SS (V-ring)<br>Stainless Steel<br>OS (O-ring)<br>Stainless Steel | AL<br>Aluminum | BR<br>Brass | MI<br>Malleable Iron |

| Code | E<br>Pressure Seal | F<br>Dust Seal | G<br>Retainers | H<br>Ball Bearings | I<br>Grease |
|---|---|---|---|---|---|
| 0 | Nitrile rubber (standard) | Nitrile rubber (standard) | no retainers (O-ring swivel) | carbon steel (Standard) | Lithium |
| 1 | FKM | FKM | --- | 440 grade SS | FDA approved/ food grade |
| 2 | PTFE | --- | PTFE[1] | 316 grade SS | Silicone (required with EPR seals) |
| 3 | Ethylene Propylene | Ethylene Propylene | --- | --- | --- |
| 4 | (requires silicone grease) | (requires silicone grease) | --- | --- | --- |

[1] Aluminum retainers are no longer available. PTFE retainers will be standard for all V-ring swivels.

The swivel should be packed such that the surfaces coming in contact with the fluid being handled are compatible with that fluid. In a case where the swivel is being used in a submerged service, this would include the dust seals and ball bearings. We always recommend the use of the stainless steel ball bearings when building a swivel for submerged service. Standard carbon steel ball bearings could rust together, making it impossible to disassemble the swivel and, which

## Loading Arm Swivels

**Features**

- TTMA-flanged loading arm swivel with heavy-duty D-style shovel handle
- Shovel handle is used to guide the connection of the API load coupler to the adapter on the tank truck
- Long radius elbow improves the flow into the API load coupler and provides spacing between the load arm and the tank truck
- FKM-A swivel seals are compatible with ethanol blended fuel
- Can be used with flange extensions
- TTMA flanges on both ends



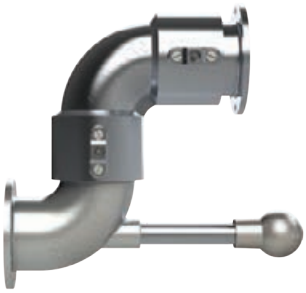
style 30, short radius



| Description | Handle | Seal | 3" Part # | 4" Part # |
|---|---|---|---|---|
| style 20 | no handle | Nitrile rubber | 320TFXTFAL00000 | 420TFXTFAL00000 |
| | | FKM-A | 320TFXTFAL11000 | 420TFXTFAL11000 |
| style 30 short radius | D-handle | Nitrile rubber | 33HTFXTFAL00000 | 43HTFXTFAL00000 |
| | | FKM-A | 33HTFXTFAL11000 | 43HTFXTFAL11000 |
| | ball handle | Nitrile rubber | 33BTFXTFAL00000 | 43BTFXTFAL00000 |
| | | FKM-A | 33BTFXTFAL11000 | 43BTFXTFAL11000 |
| | no handle | Nitrile rubber | 330TFXTFAL00000 | 430TFXTFAL00000 |
| | | FKM-A | 330TFXTFAL11000 | 430TFXTFAL11000 |
| style 30 long radius | D-handle | Nitrile rubber | --- | 43HTFTFLAL00000 |
| | | FKM-A | --- | 43HTFTFLAL11000 |
| | ball handle | Nitrile rubber | --- | 43BTFTFLAL00000 |
| | | FKM-A | --- | 43BTFTFLAL11000 |
| | no handle | Nitrile rubber | --- | 430TFTFLAL00000 |
| | | FKM-A | --- | 430TFTFLAL11000 |
| style 40 | D-handle | Nitrile rubber | 34HTFXTFAL00000 | 44HTFXTFAL00000 |
| | | FKM-A | 34HTFXTFAL11000 | 44HTFXTFAL11000 |
| | ball handle | Nitrile rubber | 34BTFXTFAL00000 | 44BTFXTFAL00000 |
| | | FKM-A | 34BTFXTFAL11000 | 44BTFXTFAL11000 |
| | no handle | Nitrile rubber | 340TFXTFAL00000 | 440TFXTFAL00000 |
| | | FKM-A | 340TFXTFAL11000 | 440TFXTFAL11000 |
| style 50 | D-handle | Nitrile rubber | 35HTFXTFAL00000 | 45HTFXTFAL00000 |
| | | FKM-A | 35HTFXTFAL11000 | 45HTFXTFAL11000 |
| | ball handle | Nitrile rubber | 35BTFXTFAL00000 | 45BTFXTFAL00000 |
| | | FKM-A | 35BTFXTFAL11000 | 45BTFXTFAL11000 |
| | no handle | Nitrile rubber | 350TFXTFAL00000 | 450TFXTFAL00000 |
| | | FKM-A | 350TFXTFAL11000 | 450TFXTFAL11000 |



style 30, long radius



style 50

## Type 35 Loading Arm Swivel Replacement Parts

| Description | Part # |
|---|---|
| 4" schedule 80 aluminum nipple | ATN100X7 |
| ball-style handle | 100BHAN-AL |
| D-Style heavy-duty shovel handle | 100DHAN-AL |
| Nitrile rubber seal kit | 4RKOBU |



## TTMA Flange Extensions


TETF4AL


TETFG4AL

### Applications
- Used to connect an API coupler to a loading arm
- Provides a specified parting point to prevent excessive damage to the loading arm

### Features
- Adds a 6" space to allow for clearance between the loading arm and the tank truck
- Color coded for product identification
- Other colors available upon request. Consult Dixon® for more details

### Materials
- Aluminum, powder coated aluminum


TETF4AL-W


TETF4AL-B


TETF4AL-G


TETF4AL-R


TETF4AL-Y


TETF4AL-G/Y


TETF4AL-R/W/B

| Size | Description | Part # |
|---|---|---|
| 4" | TTMA flange extension | TETF4AL |
| | TTMA flange extension with groove | TETFG4AL |
| | TTMA flange extension with 1/2" female NPT port | TETF4ALFP50 |
| | TTMA flange extension with 3/4" female NPT port | TETF4ALFP75 |
| | TTMA flange extension | TETF4AL |
| | TTMA flange extension; color-coded white | TETF4AL-W |
| | TTMA flange extension; color-coded blue | TETF4AL-B |
| | TTMA flange extension; color-coded green | TETF4AL-G |
| | TTMA flange extension; color-coded red | TETF4AL-R |
| | TTMA flange extension; color-coded yellow | TETF4AL-Y |
| | TTMA flange extension; color-coded orange | TETF4AL-O |
| | TTMA flange extension; color-coded black | TETF4AL-BLK |
| | TTMA flange extension; color-coded combination green and yellow | TETF4AL-G/Y |
| | TTMA flange extension; color-coded combination blue and white | TETF4AL-B/W |
| | TTMA flange extension; color-coded combination blue and red | TETF4AL-B/R |
| | TTMA flange extension; color-coded combination white and red | TETF4AL-W/R |
| | TTMA flange extension; color-coded combination red, white, and blue | TETF4AL-R/W/B |

## TTMA Flange Extension Reducing Spools


TETF3x4AL

| Size | Description | Material | Part # |
|---|---|---|---|
| 3" x 4" | TTMA flange extension reducing spool | aluminum | TETF3X4AL |
| | TTMA flange extension reducing spool | carbon steel | TETF3X4CS |
| | TTMA flange extension reducing spool | stainless steel | TETF3X4SS |

# Dixon® Loading Arms



## Applications
- Used in the transfer of liquids and dry bulk in refineries, chemical plants, rail terminals, truck terminals, tote and drum filling, and food industry

## Sizes
- 2", 3", 4", and more upon request

## Features
- Three options for sealing swivels: O-ring, V-ring, and split flange
- Fast delivery for many sizes and styles
- Engineered with easy service in mind
- Wide variety of end configurations available
- Torsion spring counterbalance:
- Ball screw adjustment mechanism for easy and safe adjustment
- Multiple spring rates available for different load requirements
- Multiple grease ports for ease of service

## Materials
- Various materials available including: hardened carbon steel, 316L stainless steel, and aluminum
- Seals: Nitrile rubber, EPDM, FKM A and B, PTFE, Baylast™, and more on request
- Counterbalance housing: steel

NOTE: Visit dixonvalve.com/loadingarms for additional product information or call 888.226.4673.

C

## Split Flange Swivels



### Applications
- Used in petroleum, blending plants, petrochemical, refining, mining, distilling, paint plants, farm irrigation and fertilizing, wastewater treatment, food and beverage process equipment, and marine

### Features
- Bearing pack design allows easy seal change without removing the ball bearings
- Simple maintenance: remove one nose piece, replace seal pack, reinstall with little down-time
- Instream seal separates wetted area from ball bearings allowing for longer bearing pack life over conventional swivels
- Wide set bearing race for higher moment loads
- Compact design for low profile applications

### Materials
- Bearing pack: through hardened forged high carbon alloy
- Material contact surfaces: stainless steel or carbon steel nose pieces

### Specifications
- Pressure rating: up to **600 PSI**
- Temperature: **-40°F** to **450°F (-40°C** to **232°C)** depending on seal material (with standard seals: **350°F (177°C)**

### Available options
- Stock end configurations: 150 lb. and 300 lb. flanges, FNPT, butt weld, others per request
- Stock seals: Baylast™, FKM, PTFE, others per request
- Full penetration weld
- Contact Dixon® at 888-226-4673 for additional materials and configurations

| Size | Carbon Steel Weld x Weld with Baylast Pressure Seals Part # | Carbon Steel Weld x Weld with FKM Pressure Seals Part # | Carbon Steel 150# Flange x 150# Flange with Baylast Pressure Seals Part # | Carbon Steel 150# Flange x 150# Flange with FKM Pressure Seals Part # |
|---|---|---|---|---|
| 2" | SF220WXWCS00 | SF220WXWCS10 | SF220FGXFGCS00 | SF220FGXFGCS10 |
| 3" | SF320WXWCS00 | SF320WXWCS10 | SF320FGXFGCS00 | SF320FGXFGCS10 |
| 4" | SF420WXWCS00 | SF420WXWCS10 | SF420FGXFGCS00 | SF420FGXFGCS10 |

## Split Flange Swivel Components

### Split Flange Bearing Packs



| Size | Carbon Steel Part # |
|---|---|
| 2" | 2SFBP |
| 3" | 3SFBP |
| 4" | 4SFBP |

### Split Flange Nose Pieces



**Feature**
- 2 required per bearing pack

| Size | Carbon Steel Part # | 316 Stainless Steel Part # |
|---|---|---|
| 2" | 2SFNPCS | 2SFNPSS |
| 3" | 3SFNPCS | 3SFNPSS |
| 4" | 4SFNPCS | 4SFNPSS |

### Seal Kits



**Features**
- Kits contains: seal, PTFE retainer, carbon steel bolts
- 1 required per bearing pack

| Size | Baylast Part # | FKM Part # | PTFE Part # |
|---|---|---|---|
| 2" | 2SFSK-BAYLAST | 2SFSK-VI | 2SFSK-TES |
| 3" | 3SFSK-BAYLAST | 3SFSK-VI | 3SFSK-TES |

## Compact TTMA Handle Kit

**Application**
- For various applications that utilize 4" TTMA connections, allowing for improved ergonomics when handling hoses



**Features**
- Includes Dixon® D-handle
- Lightweight construction

| Size | Aluminum Part # |
|---|---|
| 4" | TTMAHK-C |

## Counterbalance Clamps

**Features**
- Loading arm connecting clamp for counterbalance
- Includes necessary hardware to attach to pipe leg; hardware to attach counterbalance pivot arm bar not included
- Used to connect the pivot arm bar of ESB1 counterbalance units to the base swivel of a loading arm



| Size | Material | Part # |
|---|---|---|
| 2" | stainless steel | ESB-CLAMP-2 |
| 3" | ductile iron | ESB-CLAMP-3 |
| 4" | ductile iron | ESB-CLAMP-4 |



GOODYEAR RUBBER PRODUCTS, INC.
727-342-5088
You can also email us at GRP@goodyearrubberproducts.com

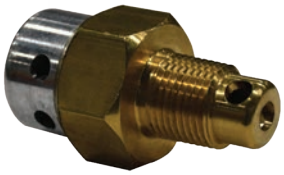
## Top Loading Valves



TLV-300TFVBVIAL



AT1350-3



VB-050-BSP

### Application
- For use in top loading fuels and other low-viscosity media

### Features
- BSP threaded vacuum breaker standard
- TTMA flanges on both ends standard
- Manually operated "deadman" style with spring-loaded handle
- Optional remote handle available
- Manual or remote controlled valve mounts before the loading arm leg to allow for flow control

### Materials
- Valve: aluminum
- Vacuum breaker body: brass
- Vacuum breaker housing: aluminum
- Seals: FKM

| Size | Description | Part # |
|---|---|---|
| 3" | top loading valve with vacuum breaker | TLV-300TFVBVIAL |
| 4" | | TLV-400TFVBVIAL |
| 3" | valve remote, handle, and bracket kit | AT1350-3 |
| 4" | | AT1350-4 |
| 1/2" | vacuum breaker, BSP threads | VB-050-BSP |
| | vacuum breaker, NPT threads | VB-050-NPT |

## Top Loading Diffusers/T-Deflectors



TLD-300S



TLTD-400S

### Application
- Installed on drop leg of a top-load loading arm to distribute media evenly to help reduce splash

### Features
- Diffusers distribute media evenly 360°
- T-deflectors distribute media to the sides of the tank, railcar, or tote

| Size | Description | Aluminum Part # |
|---|---|---|
| 3" | 360° diffuser | TLD-300S |
| | T-deflector | TLTD-300S |
| 4" | 360° diffuser | TLD-400S |
| | T-deflector | TLTD-400S |

# 5500-Series API Couplers



## Application
- Combined with API adapters, these couplers are suitable for railcar and tank truck loading or unloading

## Features
- Locking five-cam design provides easy alignment and tight connection
- Modular design allows various face seal combinations to be compatible with different alternative fuels, performance levels, and applications
- Shaft seals can be changed without removing coupler from the loading arm
- Fully interlocked collar cannot be opened when connected and cannot be disconnected when opened
- Replaceable seal design while coupler is on loading arm
- 4" TTMA inlet mounting flange connection
- Ball-end handle for easy and comfortable operation
- No special tools needed for maintenance
- Reference dixonvalve.com for bill of materials and a complete list of repair kits

## Materials
- Body: hard coated anodized 356T6 aluminum
- Shroud: hard coated anodized 356T6 aluminum with stainless steel insert
- Link, shaft, pin, and crank: hardened 17-4PH stainless steel
- Cam: CF8M stainless steel
- Poppet and bearing: Bayloy
- Seals: Baylast™, EPDM, FFKM, FKM-B, FKM-GFLT, fluorosilicone, and Hifluor

## Specifications
- Seal operating temperature:
  - Baylast: **-20°F** to **250°F (-28°C** to **121°C)**
  - EPDM: **-40°F** to **250°F (-40°C** to **120°C)**
  - FFKM: **0°F** to **400°F (-18°C** to **204°C)**
  - FKM-B: **-10°F** to **400°F (-23°C** to **204°C)**
  - FKM-GFLT: **-20°F** to **400°F** (**-28°C** to **204°C**)
  - Fluorosilicone: **-50°F** to **300°F** (**-40°C** to **149°C**)
  - Hifluor: **23°F** to **350°F** (**-5°C** to **176°C**)
- Flow rate: **600 GPM** at **3 PSI** pressure drop, maximum flow rate: **1,000 GPM**
- Fully compliant with API RP1004:2003 specifications
- Burst tested: **450 PSI**

| Description | Seal Material | Part # | Complete Repair Kit[1] Part # | Replaceable Nose Seal Part # |
|---|---|---|---|---|
| 4" API coupler | Baylast | 5500BL | 5500RK2 | 5500RK8 |
| | EPDM | 5500E | 5500RK3 | 5500RK9 |
| | FFKM | 5500K | 5500RK6 | 5500RK12 |
| | FKM-B | 5500B | 5500RK1 | 5500RK7 |
| | FKM-GFLT | 5500G | 5500RK5 | 5500RK11 |
| | Fluorosilicone | 5500F | 5500RK4 | 5500RK10 |
| | Hifluor | 5500H | 5500RK19 | 5500RK20 |

[1] Complete repair kit contains all the seals, pins, and cotter keys to replace all the seals.
NOTE: Stainless steel handles and locking handle kit options are available please contact Dixon for a quote.

### API Coupler Repair Kits

| Description | Part # |
|---|---|
| small parts kit for 5500 series rack coupler | 5500RK21 |
| aluminum replacement handle kit with bolt and nut | 5500RK22 |
| stainless steel replacement handle kit with bolt and nut | 5500RK23 |
| locking handle kit | 5500RK24 |
| aluminum short handle replacement kit with bolt and nut | 5500RK25 |
| replacement poppet kit with lins, pins, and cotter pin | 5500RK26 |
| replacement seal cylinder - no seal | 5500RK27 |
| replacement FKM-GFLT bearing kit for 5500 | 5500RK51 |

**5-YEAR MECHANICAL WARRANTY1**

Normal wear and tear items (including seals) not covered[1]

New





5500-Series



Replaceable nose seal: Replace without removal from the loading arm



5500RK24

# Reelcraft® Static Discharge Reel



## Application

- Used to ground equipment in hazardous atmospheres, such as fuel trucks or carts transferring flammable materials. When properly clamped to ground, the static discharge reel dissipates static electrical buildup, reduced the chances of sparking and the potential for explosion.

## Features

- Supplied with a 3/32" O.D. steel aircraft cable
- DC resistance is approximately one ohm per 50' of steel cable

| Description | Stranded Steel Part # |
|---|---|
| single 7" x 7" stranded steel | G3050 |

C

## Overfill Protection Rack Monitors

### Application
- Installed on the gantry to control the loading process of petroleum fuels or other hazardous liquid into cargo tanks

### Features
- Automatically switches between 2-wire or 5-wire type sensors
- Compatible with analog 2-wire thermistor type sensors
- Redundant relay outputs prevent single point failures
- Data management via RS485 port
- Wireless bypass key system
- Ground verification
- Reads trailer identification modules

### Approvals
- Meets API RP1004 and EN13922 standards
- Suitable for Class I, Division 1, Group CD and Class I, Zone 1, and Group IIB



Rack Monitor
(FT7000)



Rack Monitor System

## FT590-Series Terminal Test Equipment

### Applications
- Verifies terminal overfill monitor performance and read the trailer identification modules
- Displays the unique serial number you need to enter into the terminal automation system

### Features
- Rack monitor testers and mini trailer overfill system have the same API compatible signals
- When connected to the API plug it will cause the terminal overfill monitor to switch permissive
- Tester contains a liquid level sensor, API compatible socket, ground bolt, and trailer identification module, all wired into one unit
- Flotech® FT530 is a self contained microprocessor capable of reading the serial number embedded into the trailer identification module located in the trailer socket

| Description | Part # |
|---|---|
| rack tester thermistor with ground bolt | FT590TG |
| rack tester thermistor with ground bolt and trailer identification module | FT590TGT |
| rack tester optic with ground bolt | FT590OG |
| rack tester optic with ground bolt and trailer identification module | FT590OGT |
| trailer identification module reader | FT530 |



FT590OG



FT590TG



FT530

C

## API-Compatible Systems



FT7500



FT7501



FT7502

### Features

- Plug is color-coded (5-wire optic) blue or (2-wire optic / thermistor) green
- Highly visible safety orange jacket to meet trip hazard requirements
- Cord is bonded mechanically and resistant to abrasion and oil
- Cord sets are interchangeable with Scully and Civacon
- All wiring is compatible with standard Scully color codes and wiring number configurations
- The 9-pin conductor is shielded to be compatible with Scully VIP system
- For mating socket, consult Dixon®

### Materials

- Plug body: reinforced nylon
- Button contacts: 316 stainless steel
- All other hardware: stainless steel



FT600



FT620



FT600P
with 13-pin plastic



FT620P
with .I560 aluminum

### Order Guide

| Part # | Rack Monitor Description |
|---|---|
| FT7000 | rack monitor, auto switch between 2-wire / 5-wire sensors, ground verification, and trailer identification modules; API RP 1004 / EN13922 |
| | **Safe-T Connect Junction Box Description** |
| FT7600 | 8-pin, 2J, green API plug, and 30' safety orange coiled cable |
| FT7600-4 | 8-pin, 4J, green API plug, and 30' safety orange coiled cable |
| FT7600C | 10-pin, 4J, green API plug, and 30' safety orange coiled cable |
| FT7600P | 8-pin, 2J, green API plug, 30' safety orange coiled cable, and Plug-n-Play connector |
| FT7600S | 8-pin, 2J, green API plug, and 20' safety orange straight cable |
| FT7620 | 6-pin, 3J, blue API plug, and 30' blue coiled cable |
| FT7620P | 6-pin, 3J, blue API plug, 30' blue coiled cable, and Plug-n-Play connector |
| FT7620S | 6-pin, 3J, blue API plug, and 20' blue straight cable |
| FT7630 | 10-pin, 4J, black plug per EN13922, and 30' blue shielded coiled cable |
| FT7630D | 10-pin, 4J, black plug per EN13922, and 30' blue shielded coiled cable with Dixon Bayco® break-away |
| | **Junction Box Description** |
| FT7500 | single cord junction box |
| FT7501 | dual cord junction box |
| FT7502 | junction box with Cole Hersee yellow 13-pin break-away |
| FT7503 | junction box with D-type pigtail break-away |
| | **Rack Cord Description** |
| FT600 | 8-pin, 2J, API thermistor plug, and 30' safety orange coiled cable |
| FT600-4 | 8-pin, 4J, API thermistor plug, and 30' safety orange coiled cable |
| FT600C | 10-pin, 4J, API thermistor plug, and 30‘ safety orange coiled cable |
| FT600P | 8-pin, 2J, API thermistor plug, and 30' safety orange coiled cable with 13-pin Plug-n-Play |
| FT600S | 8-pin, 2J, API thermistor plug, and 20' safety orange straight cable |
| FT620 | 6-pin, 3J, API optic plug, and 30' blue coiled cable |
| FT620P | 6-pin, 3J, API optic plug, 30' blue coiled cable and Plug-n-Play connector |
| FT620S | 6-pin, 3J, API optic plug, and 20' blue straight cable |
| FT630 | 10-pin, 4J, black plug per EN13922, and 30' blue shielded coiled cable |
| FT630D | 10-pin, 4J, black plug per EN13922, 30' blue shielded coiled cable, and Dixon Bayco break-away |

# Dixon® MannTek Safety Break-away Couplings - Industrial Version

## TTMA Flanged Breakaway Couplings



### Features
- Minimizes spillage and damage associated with drive-away and pull-away incidents
- Installs between an API coupler and loading arm
- Coupling automatically senses excessive load, closes the valves and disconnects, release is executed when force causes the bolts to break
- High flow rate / low pressure drop
- FKM/FPM is standard seal



SBC400ALTTMA

### Specification
- **150 PSI** at ambient temperature **70°F (21°C)**



SBC400ALTTMASV

| Size | Aluminum Part # |
|---|---|
| 4" | SBC400ALTTMA |
| 4" | SBC400ALTTMASV |

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.

## API Rack Cord Assemblies

| FloTech® Part # | API | | Cord | | J-Slots | | | Pins | | | Breakaway Plug | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Thermistor | Optic | 20' Straight | 30' Coiled | 2 | 3 | 4 | 6 | 8 | 10 | Optic J560 Aluminum | Thermistor 13 Pin Plastic |
| FT600 | ✓ | | | ✓ | ✓ | | | | ✓ | | | |
| FT600-4 | ✓ | | | ✓ | | | ✓ | | ✓ | | | |
| FT600C | ✓ | | | ✓ | | | ✓ | | | ✓ | | |
| FT600C-2 | ✓ | | | ✓ | ✓ | | | | | ✓ | | |
| FT600P | ✓ | | | ✓ | ✓ | | | | ✓ | | | ✓ |
| FT600P-4 | ✓ | | | ✓ | | | ✓ | | ✓ | | | ✓ |
| FT600S | ✓ | | ✓ | | ✓ | | | | ✓ | | | |
| FT600SC | ✓ | | ✓ | | | | ✓ | | | ✓ | | |
| FT600CP | ✓ | | | ✓ | | | ✓ | | | ✓ | | ✓ |
| FT600SP | ✓ | | | | ✓ | | | | ✓ | | | ✓ |
| FT605C | | ✓ | | ✓ | | | ✓ | ✓ | | | | |
| FT620 | | ✓ | | ✓ | | ✓ | | ✓ | | | | |
| FT620P | | ✓ | | ✓ | | ✓ | | ✓ | | | ✓ | |
| FT620X620 | | ✓ | | ✓ | | ✓ | | ✓ | | | | |
| FT620S | | ✓ | ✓ | | | ✓ | | ✓ | | | | |

## API Rack Cord Parts

| FloTech Part # | API | | Cord | | J-Slots | | | Pins | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Thermistor | Optic | 20' Straight | 30' Coiled | 2 | 3 | 4 | 6 | 8 | 10 |
| FT601 | ✓ | | | | ✓ | | | | ✓ | |
| FT601-4 | ✓ | | | | | | ✓ | | ✓ | |
| FT601-10 | ✓ | | | | | | ✓ | | | ✓ |
| FT602 | ✓ | | | ✓ | | | | | | |
| FT603 | ✓ | | | | | | ✓ | | | |
| FT604 | ✓ | | ✓ | | | | | | | |
| FT621 | | ✓ | | | | ✓ | | ✓ | | |
| FT622 | | ✓ | | | | ✓ | | | | |
| FT623 | | ✓ | | | | ✓ | | | | |
| FT624 | | ✓ | ✓ | ✓ | | | | | | |

# A100 Outalarm® with Probe

Dixon® ADSI* industrial fluid control manufactures products specifically designed for liquid terminal operations. Our standard product offering is shown on the following pages. However, there are numerous additional applications, materials, and custom designs available. For technical information or assistance with ordering these products, please call 513.874.8499 or 877.582.3569 or visit dixonvalve.com/ADS.

*Formerly Automated Design Service, Inc.



## Application
- Specifically designed for liquid terminal operation on batch loading and overfill protection, tank cars, tanks trucks, marine barges; suitable for open and closed domes

## Sizes
- 24", 36", 48", and 60" probe lengths standard; other lengths available

## Features
- Totally self-contained; no wires, tubing, or external power
- Rugged weather- and corrosion-resistant construction
- No moving parts, tip sensitive phase shift digital capacitance sensor for conductive and non-conductive fluid; conductivity sensor available for conductive fluids
- Requires no calibration or adjustment
- Adjustable insertion length through a standard 1/2" NPT fitting
- High-intensity audible and flashing visual outputs
- Optional opto-isolated solid state contact output
- Full, hard, graduated, laser-engraved rod
- A100 operates up to 2,500 hours on a single 9V alkaline battery in standby mode
- Fail-safe, continuous battery monitor goes to alarm state on low battery
- Battery current drain <0.23 mA during standby; <60 mA in alarm state

## Materials
- Wetted materials: 316 stainless steel, PTFE standard, other materials available

## Specifications
- Minimum dielectric constant: 1.8
- Temperature range:
  - Capacitance probe: -**14°F** to **250°F (-26°C** to **121°C)**
  - High-temp capacitance probe: -**14°F** to **325°F (-26°C** to **163°C)**
  - Outalarm® monitor: **-40°F** to **150°F (-40°C** to **65°C)**
- Activation point: 1/4" into liquid surface
- Compatible with any liquid or dry bulk material with a dielectric constant of 1.8 or greater
- Horn intensity: 101 dB at 2'
- Light output: three each 3,000 mcd high-intensity red flashing LEDs
- Pressure rating on standard unit: **50 PSI**; consult Dixon® for applications up to **300 PSI**

## Approvals
- Intrinsically safe design per ANSI/UL913 for Class I, Div I Groups A, B, C, and D Hazardous Areas

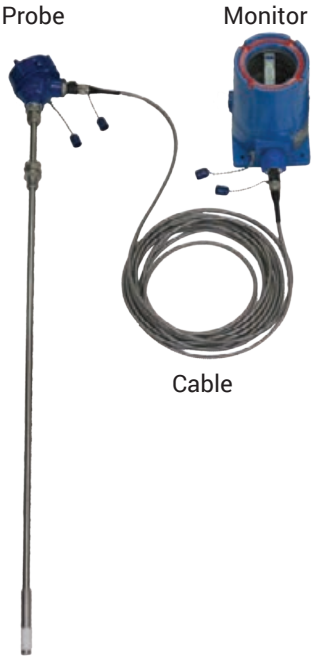


A100 Capacitance Probe

### A100 Probe

| Length | Capacitance 250°F (121°C) Max Part # | Hi-temp Capacitance 325°F (163°C) Max Part # | Conductivity for Conductive Fluids[1] Part # |
|---|---|---|---|
| 12" | A100C12A | A100HC12A | A100CSS12A |
| 24" | A100C24A | A100HC24A | A100CSS24A |
| 36" | A100C36A | A100HC36A | A100CSS36A |
| 48" | A100C48A | A100HC48A | A100CSS48A |
| 60" | A100C60A | A100HC60A | A100CSS60A |
| 72" | A100C72A | A100HC72A | A100CSS72A |
| 84" | A100C84A | A100HC84A | A100CSS84A |

## ADS Spillguard® System




### Applications
- Shutdown and alarm system for tank cars, tank trucks, barges, and ships
- Suitable for open and closed domes

### Sizes
- Standard cable lengths: 15', 25', and 50'; other lengths available
- Insertion lengths: 4" to 60" standard; other lengths available

### Features
- Rugged, explosion-proof, weather-, chemical-, and corrosion-resistant
- LED status lights visible through glass cover
- Inserts into tank through standard 1/2" NPT fitting
- Probe can be portable or permanently installed in the vessel
- Laser engraved graduated rod with 1/4" graduations
- Probe-to-controller cable protected by stainless steel interlocking armor sheath and heavy-duty latching connectors at both ends
- Fail-safe design: unit trips in the event of an open or shorted cable or loss of power
- Choice of capacitance, conductivity, or single-point ultrasonic sensors
- Input power: 120 VAC, 240 VAC, or 24 VDC, 2.5 watts
- Output relay de-energizes on high level, broken, or shorted sensor cables, or loss of power
- Sensor excitation open circuit voltage 8 VDC, short circuit current 8 mA with built-in FM-approved barrier
- Optional self-test feature, tilt and ground verification interlocks, and latching circuit available

### Materials
- Wetted materials: 316 stainless steel and PTFE standard, other materials available
- Controller housing: NEMA 4X, NEMA 7, Explosion Proof, Class I, II, Groups B, C, and D

### Specifications
- Minimum dielectric constant: 1.8
- Temperature range:
  - Capacitance probe: **-14°F** to **250°F** (**-26°C** to **121°C**)
  - High-temp capacitance probe: **-14°F** to **325°F** (**-26°C** to **163°C**)
  - Probe pressure rating: **50 PSI** with standard fitting; consult Dixon® for applications up to **300 PSI**
- Sensor suitable for Class I, II, III, Div 1, Groups A, B, C, and D when used with supplied controller and cable lengths of 10,000' or less
- Output relay dry contacts 2 form C (2PDT) rated 2 amps at 120/240 VAC, 1 form C (SPDT) with optional latching circuit and reset switch

### Approvals
- Cable connectors designed for repeated mating meet IP 65 mechanical and environmental specifications
- FM, CSA HAZ Loc Class I Div I, Groups B, C, and D

## A210 Spillguard Monitors

| Monitor Options | 24V DC Part # | 120V DC Part # |
|---|---|---|
| A210 Spillguard monitor | A210-24 | A210-120 |
| with bypass timer | A210B-24 | A210B-120 |
| with external reset switch | A210R-24 | A210R-120 |
| dual channel control monitor | A212-24 | A212-120 |

# ADS Spillguard® Probes

## Capacitance Probes

### Application
- For materials with dielectric constant > 1.8: liquids, powders, slurries

### Features
- 1/2" NPT sliding fitting standard; 3/4" fitting optional
- Open dome adapter and washout fitting available
- Tilt sensor optional

### Materials
- Probe: 316 stainless
- Housing: NEMA 4X, IP66

### Specifications
- Capacitance probe: **250°F (121°C)** maximum
- High temperature probe: **325°F (163°C)** maximum

| Length | Capacitance | |
|---|---|---|
| | Capacitance | High-Temp |
| 12" | A200PC12A | A200PHC12A |
| 24" | A200PC24A | A200PHC24A |
| 36" | A200PC36A | A200PHC36A |
| 48" | A200PC48A | A200PHC48A |
| 60" | A200PC60A | A200PHC60A |
| 72" | A200PC72A | A200PHC72A |
| 84" | A200PC84A | A200PHC84A |



A200PC36A

C

## Multi-Point Ultrasonic Probes

### Application
- For use when multiple detection points are required such as dribble mode, pump shutoff, and overfill alarm

### Features
- Up to 5 sense points available
- Pressure sensor
- Ground verification
- Tilt storage probe only active in vertical operational position

NOTE: Built special order to customer specifications. Contact Dixon Bayco® at 513.874.8499 for more information.



C

## A240-Series Ground Verification Monitor



### Applications
- Tank truck and railcar loading facilities
- Drum and barrel filling sites
- Loading of stationary tanks

### Features
- Bright red and green indicators communicate A240 ground monitor status
- Convenient user terminal blocks make installation easy
- Environmentally sealed enclosure provides long service life even in outdoor environments
- Integrates easily into process control systems
- Provides and verifies ground bond through a single connection

### Specifications
- Temperature rating: **-40°F to 140°F (-40°C to 60°C)**
- Ingress protection: IEC 60529 IP 66
- NEMA rating: NEMA Type 4, 4X, 7, 9
- Conduit entries: three
- Suitable for installation in hazardous locations: Class I, Division 1 & 2, Groups B, C, and D hazardous locations, Class II, Division 1 & 2, Groups E, F, and G hazardous locations, and Class III hazardous locations
- Suitable for connection to hazardous locations: Class I, Division 1 & 2, Groups A, B, C, and D hazardous locations and Class I, Zone 0, 1 & 2, Groups IIC, IIB, and IIA hazardous locations
- Ground connection threshold: relay is energized when ground clamp connection is less than 10Ω
- Number of output relays: one
- Output replay configuration: one set of FORM C contacts (normally open, common, and normally closed contacts)
- Output relay contact rating: 4Amp at 250VAC

| Description | Part # |
|---|---|
| ground verification monitor 120VAC | A240120 |
| ground verification monitor 24VDC | A240024 |

## A540-Series Ground Clamp and Junction Box



### Applications
- Tank truck and railcar loading facilities
- Drum and barrel filling sites
- Loading of stationary tanks

### Features
- Clamp is tethered to the cable by a stainless steel strap that protects the connection from strain and wear
- Pull-out resistant cord grip on junction box holds cable tighter the harder it is pulled
- Junction box creates convenient service point for hazardous location installations
- Coiled cable provides compact storage
- Strong clamping force penetrates grime and remains connected during loading process
- Provides ground and a ground-verification signal in a single clamp

### Materials
- Jacket: thermoplastic elastomer
- Teeth: stainless steel

### Specifications
- Temperature rating: **-40°F to 194°F (-40°C to 90°C)**
- Ingress protection: weatherproof, raintight, and dust tight
- Conduit entries: one 3/4" trade size hole and a factory-installed cable on the bottom
- Suitable for installation in hazardous locations: Class I, Division 1 & 2, Groups B, C, and D hazardous locations, Class II, Division 1 & 2, Groups E, F, and G hazardous locations and Class III hazardous locations
- Suitable for connection to hazardous locations: Class I, Division 1 & 2, Groups A, B, C, and D hazardous locations and Class I, Zone 0, 1 & 2, Groups IIC, IIB, and IIA hazardous locations
- Recommended wire between controller and the clamp: 18 GA stranded copper wire (THHN)

| Description | Part # |
|---|---|
| ground clamp and junction box | A540CSB0251 |

## ADS Outage Gauges



outage gauge with J bar

outage gauge

### Applications
- Set level fill point for manual/visual fill control
- Measure outage requirements on mobile tanks

### Feature
- Open dome bracket

### Material
- 316 stainless steel

| Length | 316 Stainless Steel Standard Outage Gauge Part # | 316 Stainless Steel Outage Gauge with J Bar Part # |
|---|---|---|
| 2' | A800OG2 | A800OGJ2 |
| 3' | A800OG3 | A800OGJ3 |
| 4' | A800OG4 | A800OGJ4 |
| 5' | A800OG5 | A800OGJ5 |

## ADS Gauge Rods



### Application
- Used to gauge liquid levels in any mobile tank

### Size
- 1/2" x .065 weight

### Features
- Laser engraved scale with 1/4" graduations
- Rods come in two sections that screw together at the midpoint
- Foot marks inscribed on rod at 1' intervals below the inch mark
- Heavy-duty plastic handle

### Material
- 316 stainless steel

| Description | 316 Stainless Steel Part # | 316 Stainless Steel Part # w/sliding innage bar |
|---|---|---|
| gauge rod, 4' length, one piece | ADS4GR | ADS4GR-IB |
| gauge rod, 8' length, two piece | ADS8GR | ADS8GR-IB |
| gauge rod, 12' length, two piece | ADS12GR | ADS12GR-IB |



laser engraving closeup

## ADS Spillguard® Armored Cables

### Features
- 3 or 5 pin connector
- 316 stainless steel armoured cable or yellow rubber cable
- Custom lengths available; call 513.874.8499 or 877.582.3569 for more information



**Armored Cables**

| Length | 3 Pin | 5 Pin |
|---|---|---|
| 15' | A200CA3P15 | A200CA5P15 |
| 20' | A200CA3P20 | A200CA5P20 |
| 25' | A200CA3P25 | A200CA5P25 |
| 50' | A200CA3P50 | A200CA5P50 |



**Rubber Cable[1]**

| Length | 3 Pin |
|---|---|
| 25' | A200CB3P25 |

C



A100DA



A100TTA



A200SA



A210CR-3



A210PZH-24



## Accessories

### ADS Open Dome Adapters

**Features**
- Flexible design fits most domes
- 1/2" and 3/4" NPT port for Outalarm® probes

| Stainless Steel Part # |
|---|
| A100DA |
| A100DB |

### Tank Washout Caps

| Description | Part |
|---|---|
| tank truck 3" wash-out adapter, 1/2" NPT | A100TTA |
| tank truck 3" wash-out adapter, 3/4" NPT | A100TTB |
| wash-out cap with swivel | A200SA |
| wash-out cap with swivel and 2" vent | A200SVA |

### Cable Junction Boxes

| Description | Part |
|---|---|
| 3 pin | A210CR-3 |
| 5 pin | A210CR-5 |

### Additional Parts & Accessories

| Description | Part |
|---|---|
| 1" cam and groove coupler and 1/2" NPT bushing, stainless steel | A100CA1050 |
| 1" cam and groove coupler with 1/2" NPT busing and 1" NPT vent tee, stainless | A100CA1050V |
| A100 / 200 splash guard, with 1-1/8" diameter poly | A100SG-POLY |
| locating tab for A100 / 200 probes | A100LT |
| replacement A100 monitor only | A100MTR |
| cable to monitor adapter | A100CBLMTR |
| A210 Piezo horn 24VDC | A210PZH-24 |
| tri color external signal light | A210-120TC |

## Boss Coupling System .....152 - 163

Overview .....152
Ground joint ..... 153 - 155
Complete couplings with female spud.....153
Stems .....153
Wing nuts .....154
Knurled nut .....154
Female spuds .....154
Male spuds .....155
Double spuds .....155
Holedall® .....155
Adapters .....156
Wing nut caps.....156
Washer seal ..... 157 - 158
Complete couplings with female spud.....157
Stems .....157
Female spuds .....157
Male spuds .....158
Double spuds .....158
Washers .....158
Male stems ..... 159 - 160
LP male stems.....160
Menders.....160
Spud x Hose Shank.....160
Clamps..... 161 - 162
2 Bolt Type, 2 Gripping Fingers.....161
4 Bolt Type, 2 Gripping Fingers.....161
4 Bolt Type, 4 Gripping Fingers.....162
6 Bolt Type, 3 Gripping Fingers.....162
6 Bolt Type, 6 Gripping Fingers.....162
Ground joint air hammer couplings .....163

## Boss Low Pressure System (LPS)....164 - 178

Components overview .....164
Frac fittings ..... 165 - 166
Complete Male / Female Assembly .....165
Female .....165
Male with nut .....166
Suction service fittings .....166
O-rings.....166
Short ferrules.....166
Hammer Union ..... 167 - 169
Nuts.....167
One-Piece .....167
Two-Piece.....167
Three-Piece .....167
100-Series.....168
200-Series.....168
206-Series.....168
Caps and plugs.....169
One-Piece adapters..... 170 - 171
Straight.....170
Short.....170
45° Elbow .....170
150# Flange to weld.....171
125# Flange x male NPT.....171
Port adapter.....171
Elbows.....171
King Crimp® Style ..... 172 - 173
Large sleeves.....172
Heavy Duty.....173
Combination nipples .....173
Ferrules .....173
Butterfly Valves .....174
Frac Pump Elbow Adapters .....175
Vent-Lock® Safety Cam and Groove Couplings ..... 176 - 178
Type A .....176
Type C .....176
EZ Boss-Lock Type C.....176
Type D .....177
Type E.....177
Dust caps.....177
Dust plugs.....177
EZ Boss-Lock Type H dust caps.....177
Accessories .....178
Handles .....178

D

# Boss Coupling System

D

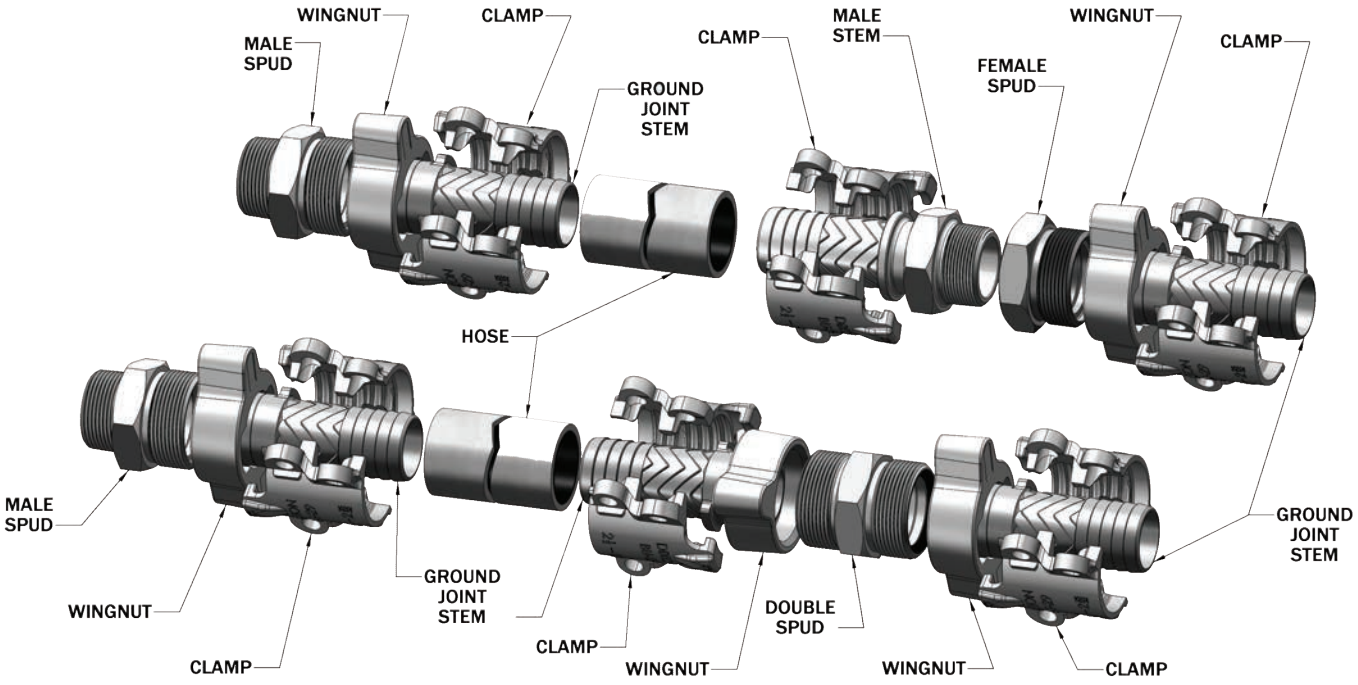
## Features
- The spud part of the coupling serves as one half of the connection and is usually fixed to the equipment. The stem part that is clamped to the hose is the other half. The two halves are connected or disconnected by rotating the wing nut onto the spud. When connected they achieve both a mechanical and a pressure seal.

## Services
- Boss couplings are all-purpose hose couplings, universally recommended for steam hose connections. They are also widely used for air, water, fluid petroleum, chemicals, and liquid petroleum gas up to 1" I.D.. Boss couplings can be applied to many types of rubber, synthetic, plastic, metallic, or semi-metallic hose. Consult Dixon® for specific media capabilities.

## Purpose
Boss couplings supply a convenient threaded fitting to connect two lengths of hose, or a single length to a male or female threaded (NPT) outlet.

## Materials
- Stem: 1/4" - 1" plated steel, 1-1/4" - 4" plated iron, 6" tubular steel
- Spud: 1/4" - 1" plated steel, 1-1/4" - 6" plated iron
- Wing nut: 1/4" plated steel, 3/8" - 6" plated iron

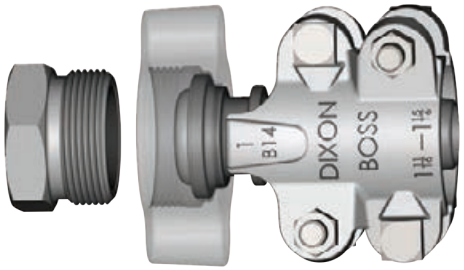
## Seal Types
- Ground joint: copper or polymer seats
- Washer: Klingersil® C-4401




Worn-out hose couplings can be dangerous. They should be checked regularly and replaced when necessary. Each coupling user should review applications and add safety devices where indicated.

DIXON
The Right Connection®

### Features
- Positive metal-to-polymer seal
- Leakproof seal forms when the metal head of the stem makes contact with the patented polymer seat in the spud
- Non-metallic polymer seat resists most chemicals found in manufacturing facilities (reference corrosion resistance chart on pages 1109 - 1114)
- Easy to seal
- Use with Boss clamps found on pages 161 - 162




D

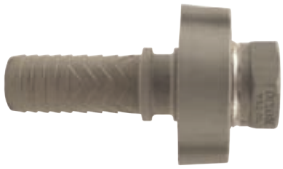
### Specification
- Recommended for steam service up to **450°F (232°C)**

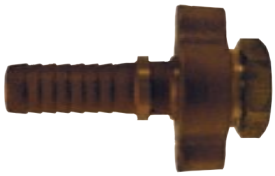
## Boss Ground Joint Couplings with Female Spud

| Hose Shank x NPT | Plated Steel and / or Iron Part # | 316 Stainless Steel Part # | Brass Part # |
|---|---|---|---|
| 1/4" | GF1[1] | --- | --- |
| 3/8" | GF3[1] | --- | --- |
| 1/2" | GF6 | --- | --- |
| 1/2" x 3/4" | GF26-1 | --- | --- |
| 3/4" | GF26 | RGF26 | BGF26 |
| 1" | GF36 | RGF36 | BGF36 |
| 1-1/4" | GF51 | RGF51 | --- |
| 1-1/2" | GF61 | RGF61 | --- |
| 2" | GF81[2] | RGF81[2] | --- |
| 2-1/2" | GF96 | --- | --- |
| 3" | GF111 | --- | --- |
| 4" | GF141 | --- | --- |
| 6" | GF201[1] | --- | --- |

[1] 1/4", 3/8", and 6" available only with copper seat spuds
[2] Not to be used with #250, #275, or #306 Boss clamps


Plated iron / steel


316 stainless steel


Brass

## Boss Ground Joint Stems

| Hose Shank x NPT | Plated Steel and / or Iron Part # | Optional Qty | 316 Stainless Steel Part # | Brass Part # |
|---|---|---|---|---|
| 1/4" | GBA | 100 | --- | --- |
| 3/8" | GCA | 100 | --- | --- |
| 1/2" | GB1 | 100 | --- | --- |
| 1/2" x 3/4" | GB6-1 | 50 | --- | --- |
| 3/4" | GB6 | 50 | RGB6 | BGB6 |
| 1" | GB11 | 50 | RGB11 | BGB11 |
| 1-1/4" | GB16 | 25 | RGB16 | --- |
| 1-1/2" | GB21 | 25 | RGB21 | --- |
| 2" | GB26[2] | 10 | RGB26[1] | --- |
| 2-1/2" | GB31 | 5 | --- | --- |
| 3" | GB36[2] | 5 | --- | --- |
| 4" | GB46 | 5 | --- | --- |
| 6" | GB66 | 2 | --- | --- |


Plated iron / steel


316 stainless steel


Brass

[1] Not to be used with #250, #275, or #306 Boss clamps
[2] GB26 / GB36 have machined shank to accept Boss clamps, King Crimp® sleeves, ferrules. Use only Boss clamps on GB26 / GB36 for steam service.

Only use the crimp style shanks with the crimp style sleeves and ferrules. Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturers' products with Dixon® products. Pressure rating is based on the seal of the mating part. Reference dixonvalve.com for a complete list of ratings.

## Boss Wing Nuts



Plated iron / steel



316 stainless steel



Brass

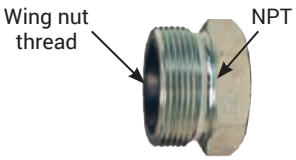
| Size | Plated Steel and / or Iron Part # | Optional Qty | 316 Stainless Steel Part # | Brass Part # |
|---|---|---|---|---|
| 1/4" | SLS4 | 100 | --- | --- |
| 3/8" | CB | 100 | --- | --- |
| 1/2" | B2 | 100 | --- | --- |
| 3/4" | B12 | 25 | RB12 | BB12 |
| 1" | B12 | 25 | RB12 | BB12 |
| 1-1/4" | B17 | 25 | RB17 | --- |
| 1-1/2" | B17 | 25 | RB17 | --- |
| 2" | B27 | 10 | RB27 | --- |
| 2-1/2" | B32 | 5 | --- | --- |
| 3" | B37 | 5 | --- | --- |
| 4" | B47 | 5 | --- | --- |
| 6" | B67 | 2 | --- | --- |

## Boss Knurled Nut



| Size | Plated Steel Part # | Optional Qty |
|---|---|---|
| 3/4" and 1" | KB12 | 25 |

## Boss Ground Joint Female Spuds



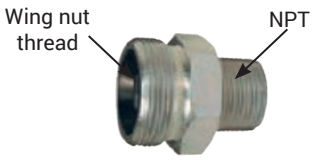

| Size | Plated Steel and / or Iron Part # | Optional Qty | 316 Stainless Steel Part # | Brass Part # |
|---|---|---|---|---|
| 1/4" | GBC[1] | 100 | --- | --- |
| 3/8" | GCC[1] | 100 | --- | --- |
| 1/2" | GB3 | 100 | --- | --- |
| 3/4" | GB8 | 50 | RGB8 | BGB8 |
| 1" | GB13 | 50 | RGB13 | BGB13 |
| 1-1/4" | GB18 | 25 | RGB18 | --- |
| 1-1/2" | GB23 | 25 | RGB23 | --- |
| 2" | GB28 | 10 | RGB28 | --- |
| 2-1/2" | GB33 | 5 | --- | --- |
| 3" | GB38 | 5 | --- | --- |
| 4" | GB48 | 5 | --- | --- |
| 6" | GB68[1] | 2 | --- | --- |

[1] 1/4", 3/8", and 6" available only with copper seat spuds; all other sizes have polymer seats

## Boss Ground Joint Male Spuds

| Size | Plated Steel Part # | Plated Iron Part # |
|---|---|---|
| 3/8 | GMC[1] | --- |
| 1/2" | GM3 | --- |
| 3/4" | GM8 | --- |
| 1" | GM13 | --- |
| 1-1/4" | --- | GM18 |
| 1-1/2" | --- | GM23 |
| 2" | --- | GM28 |
| 2-1/2" | --- | GM33 |
| 3" | --- | GM38 |

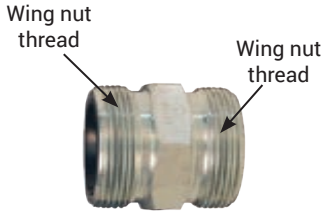
[1] 1/4", 3/8", and 6" available only with copper seat spuds, all other sizes have polymer seats




D

## Boss Ground Joint Double Spuds

| Size | Plated Steel Part # | Plated Iron Part # |
|---|---|---|
| 1/2" | GDB3 | --- |
| 3/4" and 1" | GDB13 | --- |
| 1-1/4" and 1-1/2" | --- | GDB23 |
| 2" | --- | GDB28 |
| 2-1/2" | --- | GDB33 |
| 3" | --- | GDB38 |




## Boss Holedall® Fittings

### Applications

- Designed for air and liquid applications where a permanent, low-profile clamping system is desired
- Not for steam service ⚠

### Features

- Supplied with carbon steel ferrules
- Consult Dixon® for swage and/or crimp specifications

| Size | Hose O.D. From | Hose O.D. To | Plated Iron / Steel Part # | Plated Iron / Steel Part #[2] | Stainless Steel Part # |
|---|---|---|---|---|---|
| 3/4" | 1-10/64" | 1-14/64" | GF26P1 | GB6-P1 | --- |
| | 1-15/64" | 1-18/64" | GF26P2 | GB6-P2 | --- |
| | 1-19/64" | 1-22/64" | GF26P3 | GB6-P3 | --- |
| 1" | 1-30/64" | 1-34/64" | GF36P1 | GB11-P1 | --- |
| | 1-35/64" | 1-38/64" | GF36P2 | GB11-P2 | --- |
| | 1-39/64" | 1-42/64" | GF36P3 | GB11-P3 | --- |
| 1-1/2" | 1-58/64" | 2" | GF61P1 | GB21-P1 | RGF61P1 |
| | 2-1/64" | 2-8/64" | GF61P2 | GB21-P2 | RGF61P2 |
| | 2-9/64" | 2-16/64" | GF61P3 | GB21-P3 | --- |
| 2" | 2-28/64" | 2-40/64" | GF81P1[1] | GB26-P1 | RGF81P1 |
| | 2-41/64" | 2-48/64" | GF81P2[1] | GB26-P2 | RGF81P2 |
| | 2-49/64" | 2-56/64" | GF81P3[1] | GB26-P3 | --- |
| 3" | 3-30/64" | 3-40/64" | GF111P1[1] | GB36-P1 | --- |
| | 3-41/64" | 3-48/64" | GF111P2[1] | GB36-P2 | --- |
| | 3-49/64" | 3-56/64" | GF111P3[1] | GB36-P3 | --- |

[1] 2" and 3" have a machined shank



GF61P1



GB21-P1

D

## Boss Adapters

### Female NPT



**Features**
- Designed to fit the standard ground joint spuds on pages 154 - 155
- Supplied with a wing nut, as shown
- For safety tags and safety tape, see page 1065

| Size | Plated Steel and / or Iron Part # | 316 Stainless Steel Part # |
|---|---|---|
| 3/4" | GFAS6 | RGFAS6 |
| 1" | GFAS11 | RGFAS11 |
| 1-1/4" | GFAS16 | --- |
| 1-1/2" | GFAS21[1] | --- |
| 2" | GFAS26 | --- |
| 3" | GFAS36 | --- |

[1] Part is produced as a welded fabrication

### Male NPT



| Size | Plated Steel and / or Iron Part # | 316 Stainless Steel Part # |
|---|---|---|
| 3/4" | GMAS6 | RGMAS6 |
| 1" | GMAS11 | --- |
| 1-1/4" | GMAS16 | --- |
| 1-1/2" | GMAS21 | --- |
| 2" | GMAS26[1] | --- |
| 3" | GMAS36 | --- |

[1] Uses a special wing nut, part # B27-1

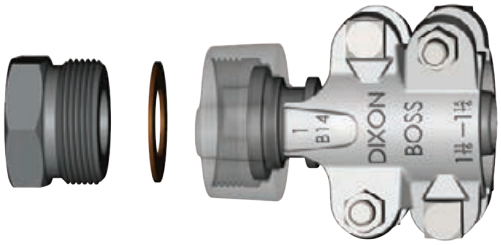
## Boss Wing Nut Caps



**Features**
- Supplied with 12" chain and washer
- For best results, use with washer style spuds and washers on page 158
- Not intended for pressure applications ⚠

| Size | Plated Steel and / or Iron Part # | 316 Stainless Steel Part # | Opt Qty |
|---|---|---|---|
| 1/2" | B2SC | --- | 10 |
| 3/4" and 1" | B12SC | RB12SC | 25 |
| 1-1/4" and 1-1/2" | B17SC | --- | 25 |
| 2" | B27SC | --- | 10 |
| 3" | B37SC | --- | 5 |

### Features
- Easy to seal
- Klingersil® C-4401 washer is inserted between the stem and spud
- Leakproof seal forms by rotating the wing nut and hammering it tight
- Use with Boss clamps found on pages 161 - 162
- Use with wing nuts found on page 154



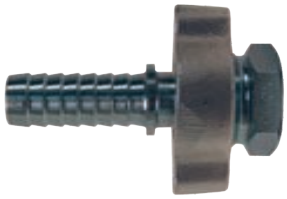

### Specifications
- Recommended for steam service up to **450°F (232°C)**

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## Boss Washer Seal Couplings with Female Spud

| Hose Shank x NPT | Plated Steel and / or Iron Part # | 316 Stainless Steel Part # |
|---|---|---|
| 3/8" | WF3 | --- |
| 1/2" | WF6 | --- |
| 1/2" x 3/4" | WF26-1 | --- |
| 3/4" | WF26 | RWF26 |
| 1" | WF36 | RWF36 |
| 1-1/4" | WF51 | RWF51 |
| 1-1/2" | WF61 | RWF61 |
| 2" | WF81[1] | RWF81[1] |
| 2-1/2" | WF96 | --- |
| 3" | WF111 | --- |





[1] Not to be used with #250, #275, or #306 Boss clamps

## Boss Washer Seal Stems

| Hose Shank x NPT | Plated Steel and / or Iron Part # | Opt Qty | 316 Stainless Steel Part # |
|---|---|---|---|
| 3/8" | SS337 | 100 | --- |
| 1/2" | B1 | 100 | --- |
| 1/2" x 3/4" | B6-1 | 50 | --- |
| 3/4" | B6 | 50 | RB6 |
| 1" | B11 | 50 | RB11 |
| 1-1/4" | B16 | 25 | RB16 |
| 1-1/2" | B21 | 25 | RB21 |
| 2" | B26[1] | 10 | RB26[1] |
| 2-1/2" | B31 | 5 | --- |
| 3" | B36 | 5 | --- |





[1] Not to be used with #250, #275, or #306 Boss clamps

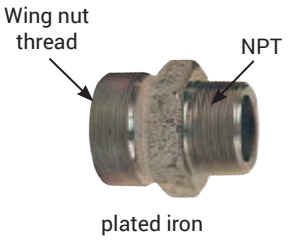
## Boss Washer Seal Female Spuds

| Thread Size | Plated Steel and / or Iron Part # | Opt Qty | 316 Stainless Steel Part # |
|---|---|---|---|
| 3/8" | CC | 100 | --- |
| 1/2" | B3 | 100 | --- |
| 3/4" | B8 | 25 | RB8 |
| 1" | B13 | 50 | RB13 |
| 1-1/4" | B18 | 25 | RB18 |
| 1-1/2" | B23 | 25 | RB23 |
| 2" | B28 | 10 | RB28 |
| 2-1/2" | B33 | 5 | --- |





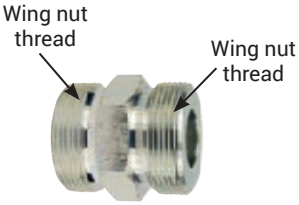
## Boss Washer Seal Male Spuds



plated iron

| Thread | Plated Steel Part # | Plated Iron Part # |
|---|---|---|
| 3/8" | WMC | --- |
| 1/2" | WM3 | --- |
| 3/4" | WM8 | --- |
| 1" | WM13 | --- |
| 1-1/4" | --- | WM18 |
| 1-1/2" | --- | WM23 |
| 2" | --- | WM28 |
| 3" | --- | WM38 |

## Boss Washer Seal Double Spuds



plated steel

| Thread | Plated Steel Part # | Plated Iron Part # |
|---|---|---|
| 3/8" | --- | --- |
| 1/2" | DB3 | --- |
| 3/4" | DB13 | --- |
| 1" | DB13 | --- |
| 1-1/4" | --- | DB23 |
| 1-1/2" | --- | DB23 |
| 2" | --- | DB28 |
| 3" | --- | DB38 |

## Boss Washer Seal Washers



| Size | Nitrile Rubber Bonded, Non-Asbestos Klingersil® C-4401 Part # |
|---|---|
| 3/8" | WBC |
| 1/2" | W2 |
| 3/4" | W12 |
| 1" | W12 |
| 1-1/4" | W17 |
| 1-1/2" | W17 |
| 2" | W27 |
| 2-1/2" | W32 |
| 3" | W37 |

# Boss Male Stems

**Feature**
- Use with Boss clamps on pages 161 - 162 for safety tags and safety tape see page 1065

**Specification**
- Recommended for steam service up to **450°F (232°C)**


plated steel


plated iron


316 stainless


brass

D

| Hose x NPT size | Plated Steel Bar Stock Part # | Opt Qty | Size | Plated Iron Part # | Opt Qty |
|---|---|---|---|---|---|
| 1/4" x 1/8" | MS4X2 | 100 | --- | --- | --- |
| 1/4" x 1/4" | MSA | 100 | --- | --- | --- |
| 1/4" x 3/8" | MSB | 25 | --- | --- | --- |
| 3/8" x 1/4" | MS6X4 | 100 | 1-1/4" | MS16 | 20 |
| 3/8" x 3/8" | MSC | 100 | 1-1/2" | MS21 | 20 |
| 3/8" x 1/2" | MS6X8 | 50 | 2" | MS26 | 10 |
| 1/2" x 1/4" | MS8X4 | 50 | 2-1/2" | MS31 | 5 |
| 1/2" x 3/8" | MS8X6 | 50 | 3" | MS36 | 5 |
| 1/2" x 1/2" | MS1 | 50 | 4" | MS46 | 2 |
| 1/2" x 3/4" | MS8X12 | 25 | --- | --- | --- |
| 3/4" x 1/2" | MS12X8 | 25 | --- | --- | --- |
| 3/4" x 3/4" | MS6 | 50 | --- | --- | --- |
| 3/4" x 1" | MS12X16 | 25 | --- | --- | --- |
| 1" x 3/4" | MS16X12 | 25 | --- | --- | --- |
| 1" x 1" | MS11 | 25 | --- | --- | --- |

| Size | 316 Stainless Part # | Size | Brass Part # |
|---|---|---|---|
| 1/2" | RMS1 | --- | --- |
| 3/4" | RMS6 | 3/4" | BMS6 |
| 1" | RMS11 | 1" | BMS11 |
| 1-1/4" | RMS16 | 1-1/4" | BMS16 |
| 1-1/2" | RMS21 | 1-1/2" | BMS21 |
| 2" | RMS26 | 2" | BMS26 |
| 2-1/2" | RMS31 | --- | --- |
| 3" | --- | 3" | --- |

## LP Boss Male Stems - Male NPT End



| Size | Schedule 40 Plated Steel Part # | Schedule 40 Stainless Steel Part # | Schedule 80 Plated Steel Part # |
|---|---|---|---|
| 1-1/4" | LP16 | --- | LP16-80[1] |
| 1-1/2" | LP21 | --- | LP21-80[1] |
| 2" | LP26 | --- | LP26-80[1] |
| 2-1/2" | LP31 | --- | --- |
| 3" | LP36 | RLP36 | --- |
| 4" | LP46 | RLP46 | --- |
| 6" | LP66 | --- | --- |

[1] Schedule 80 stems meet NFPA 58

## LP Boss Male Stems - Beveled End



| Size | Schedule 40 Unplated Steel Part # |
|---|---|
| 2" | LPB26 |
| 3" | LPB36 |

## Boss Hose Menders

**Features**

- Collars designed to engage gripping fingers of Boss clamps
- 3/4" - 3" plated iron; 1/2" plated steel



| Size | Part # |
|---|---|
| 1/2" | M1 |
| 3/4" | M6 |
| 1" | M11 |
| 1-1/4" | M16 |
| 1-1/2" | M21 |
| 2" | M26 |
| 2-1/2" | M31 |
| 3" | M36 |

## Boss Spud x Hose Shank

**Material**

- Seat: polymer



| Thread | Steel Part # |
|---|---|
| 1" | GH1311 |
| 2" | GH2826 |

# Boss Clamps

**⚠WARNING**

- The bolts used in the Boss interlocking clamps are not standard bolts. They vary from standard bolts in their length, diameter, overall thread length, and material hardness. These bolts can be retorqued, but it is not recommended that the bolts or clamps be reused, as they are designed for a single bend only. Dixon® recommends using only factory-supplied replacement bolts.
- Torque values for clamps are based on dry bolts. The use of lubricant on bolts will adversely effect clamp performance. Do not lubricate nuts and bolts.
- For all bolt tightening sequences, please visit dixonvalve.com



## Feature

- Replacement nuts and bolts are available; contact Dixon for more information

## Specifications

- Recommended for steam service up to **450°F (232°C)**
- Recommended torque rating in ft. lbs.

### 2-Bolt Type, 2-Gripping Fingers

| Hose I.D. | Hose O.D. from | Hose O.D. to | Zinc Plated Iron Part # | Pkg Qty | Stainless Steel[4] Part # | Torque ft. lbs.[2] | Brass Part # | Torque ft. lbs. |
|---|---|---|---|---|---|---|---|---|
| 1/4" | 36/64" | 42/64" | BD[3] | 100 | --- | 6 | --- | --- |
| 3/8" | 44/64" | 56/64" | CD[3] | 100 | --- | 6 | --- | --- |
| 1/2" | 52/64" | 60/64" | DD[3] | 100 | --- | 6 | --- | --- |
| | 60/64" | 1-4/64" | B4[3] | 25 | RB4 | 12 | BB4 | 10 |
| | 1-4/64" | 1-12/64" | B5 | 25 | --- | 12 | --- | --- |
| 3/4" | 1-10/64" | 1-20/64" | BU9[3] | 50 | RBU9 | 21 | BBU9 | 18 |
| | 1-20/64" | 1-32/64" | B9 | 25 | RB9 | 21 | --- | --- |
| | 1-32/64" | 1-44/64" | B10[3] | 25 | --- | 21 | --- | --- |




### 4-Bolt Type, 2-Gripping Fingers

| Hose I.D. | Hose O.D. from | Hose O.D. to | Zinc Plated Iron Part # | Pkg Qty | Stainless Steel[4] Part # | Torque ft. lbs.[2] | Brass Part # | Torque ft. lbs. |
|---|---|---|---|---|---|---|---|---|
| 1" | 1-34/64" | 1-46/64" | BU14 | 25 | RBU14 | 21 | BBU14 | 18 |
| | 1-44/64" | 1-60/64" | B14 | 25 | RB14 | 21 | --- | --- |
| | 1-60/64" | 2-8/64" | B15 | 20 | --- | 21 | --- | --- |
| 1-1/4" | 1-32/64" | 1-50/64" | BU18 | 20 | --- | 40 | --- | --- |
| | 1-50/64" | 2-6/64" | BU19 | 10 | --- | 40 | --- | --- |
| | 2-8/64" | 2-24/64" | B19 | 10 | RB19 | 40 | --- | --- |
| 1-1/2" | 1-52/64" | 2" | BU22 | 10 | --- | 40 | --- | --- |
| | 2" | 2-14/64" | B22 | 10 | --- | 40 | --- | --- |
| | 2-12/64" | 2-24/64" | BU24 | 10 | RBU24 | 40 | --- | --- |
| | 2-24/64" | 2-36/64" | B24 | 10 | RB24 | 40 | --- | --- |
| | 2-36/64" | 2-48/64" | B25 | 10 | --- | 40 | --- | --- |
| 2" | 2-22/64" | 2-34/64" | BU28 | 9 | --- | 60 | --- | --- |
| | 2-32/64" | 2-50/64" | BU29 | 10 | RBU29 | 60 | BBU29[1] | 40 |
| | 2-48/64" | 3-4/64" | B29 | 10 | RB29 | 60 | --- | --- |
| | 3-6/64" | 3-28/64" | B30 | 5 | --- | 60 | --- | --- |
| 2-1/2" | 3-6/64" | 3-28/64" | BU34 | 5 | --- | 60 | --- | --- |
| | 3-32/64" | 3-60/64" | B34 | 5 | --- | 150 | --- | --- |
| 3" | 3-32/64" | 3-60/64" | BU35 | 5 | RBU35 | 150 | --- | --- |
| | 3-52/64" | 4-4/64" | B35 | 5 | --- | 150 | --- | --- |
| | 4-4/64" | 4-28/64" | B39 | 5 | --- | 200 | --- | --- |




[1] Will become obsolete as inventory is depleted
[2] Torque applies to plated iron and stainless steel clamps
[3] Global investment cast carbon steel
[4] When installing stainless steel bolts and nuts, the use of anti-seize or anti-galling lubricant is advised. A light coat is required on the bolt threads to prevent thread galling and artificial

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## Boss Clamps

**⚠WARNING**

- The bolts used in the Boss interlocking clamps are not standard bolts. They vary from standard bolts in their length, diameter, overall thread length, and material hardness. These bolts can be retorqued, but it is **not** recommended that the bolts or clamps be reused, as they are designed for a single bend only. Dixon® recommends using only factory supplied replacement bolts.
- Torque values for clamps are based on dry bolts. The use of lubricant on bolts will adversely effect clamp performance. *Do not lubricate nuts and bolts.*
- For all bolt tightening sequences, please visit dixonvalve.com

### Feature

- Replacement nuts and bolts are available; contact Dixon for more information

### Specifications

- Recommended for steam service up to **450°F (232°C)**
- Recommended torque rating in ft. lbs.



### 4-Bolt Type, 4-Gripping Fingers

| Hose I.D. | Hose O.D. from | Hose O.D. to | Zinc Plated Iron Part # | Optional Qty | Torque ft. lbs. |
|---|---|---|---|---|---|
| 1/2" | 58/64" | 1-2/64" | 968 | 50 | 6 |
| 1" | 1-26/64" | 1-36/64" | 156 | 20 | 21 |
| 1-1/4" | 1-44/64" | 1-56/64" | 187 | 10 | 21 |
| | 1-56/64" | 2-4/64" | 206 | 20 | 21 |
| 1-1/2" | 2" | 2-8/64" | 212 | 10 | 21 |
| | 2-4/64" | 2-16/64" | 225 | 10 | 40 |
| 2" | 2-16/64" | 2-32/64" | 250[1] | 10 | 40 |
| | 2-32/64" | 2-48/64" | 275[1] | 10 | 40 |
| | 2-48/64" | 3-4/64" | 306[1] | 5 | 60 |
| 2-1/2" | 3-4/64" | 3-32/64" | 350 | 5 | 60 |
| 3" | 3-32/64" | 3-48/64" | 375 | 5 | 60 |
| | 3-48/64" | 4" | 401 | 5 | 150 |
| | 4" | 4-12/64" | 418 | 2 | 200 |
| | 4-12/64" | 4-32/64" | 450 | 2 | 200 |

[1] Not to be used with GF81, GB26, WF81, B26, RGF81, RGB26, BGF81, RWF81, RB26



### 6-Bolt Type, 3-Gripping Fingers

| Hose I.D. | Hose O.D. from | Hose O.D. to | Zinc Plated Iron Part # | Optional Qty | Torque ft. lbs. |
|---|---|---|---|---|---|
| 3" | 4-16/64" | 4-52/64" | BS39 | 2 | 150 |
| 4" | 4-40/64" | 5" | B45 | 3 | 150 |
| | 4-56/64" | 5-16/64" | BS49 | 2 | 200 |
| | 5-16/64" | 5-38/64" | BU49 | 2 | 200 |
| | 5-34/64" | 5-60/64" | B49 | 2 | 200 |



### 6 Bolt Type, 6 Gripping Fingers

| Hose I.D. | Hose O.D. from | Hose O.D. to | Zinc Plated Iron Part # | Optional Qty | Torque ft. lbs. |
|---|---|---|---|---|---|
| 6" | 6-56/64" | 7-24/64" | 750 | 1 | 200 |
| | 7-32/64" | 8" | 850 | 1 | 200 |

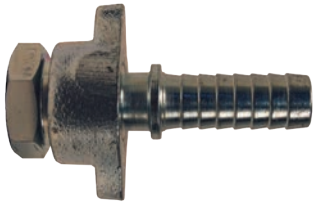
# Ground Joint Air Hammer Couplings with Female Spud

## Female Spuds

**Features**

- Rounded steel head of stem fits concave inserts in spuds for superior sealing
- Metal-to-metal copper seat seal
- For use with Boss clamps on pages 161 - 162

| Style | NPT Size | Plated Steel / Iron Part # |
|---|---|---|
| Compact | 1/2" | GDF6 |
| | 3/4" | GDF8 |
| Heavy duty | 3/4" | GDF10 |
| | 1" | GDF12 |





## Stems

| Style | Hose I.D. | Plated Steel Part # |
|---|---|---|
| Compact | 1/2" | GBA45 |
| | 3/4" | GBA46 |
| Heavy duty | 3/4" | GBB18 |
| | 1" | GBB11 |



## Wing Nuts

| Style | Hose I.D. and NPT Sizes | Coarse Nut Thread | Iron Part # |
|---|---|---|---|
| Compact | 1/2" | 1-31/64" O.D. x 8 TPI | J47 |
| | 3/4" | | J47 |
| Heavy duty | 3/4" | 1-47/64" O.D. x 8 TPI | DLB12 |
| | 1" | | DLB12 |



## Female Spuds

| Style | NPT Size | Coarse Nut Thread | Plated Steel w/ Copper seat Part # |
|---|---|---|---|
| Compact | 1/2" | 1-31/64" O.D. x 8 TPI | GJ65 |
| | 3/4" | | GJ55 |
| Heavy duty | 3/4" | 1-47/64" O.D. x 8 TPI | GDL8 |
| | 1" | | GDL13 |



## Male Spuds

| Style | Hose I.D. and NPT Sizes | Coarse Nut Thread | Plated Steel w/ Copper seat Part # |
|---|---|---|---|
| Compact | 1/2" | 1-31/64" O.D. x 8 TPI | GJ60 |
| | 3/4" | | GJ50 |
| Heavy duty | 3/4" | 1-47/64" O.D. x 8 TPI | GDL7 |
| | 1" | | GDL10 |



## Double Spuds

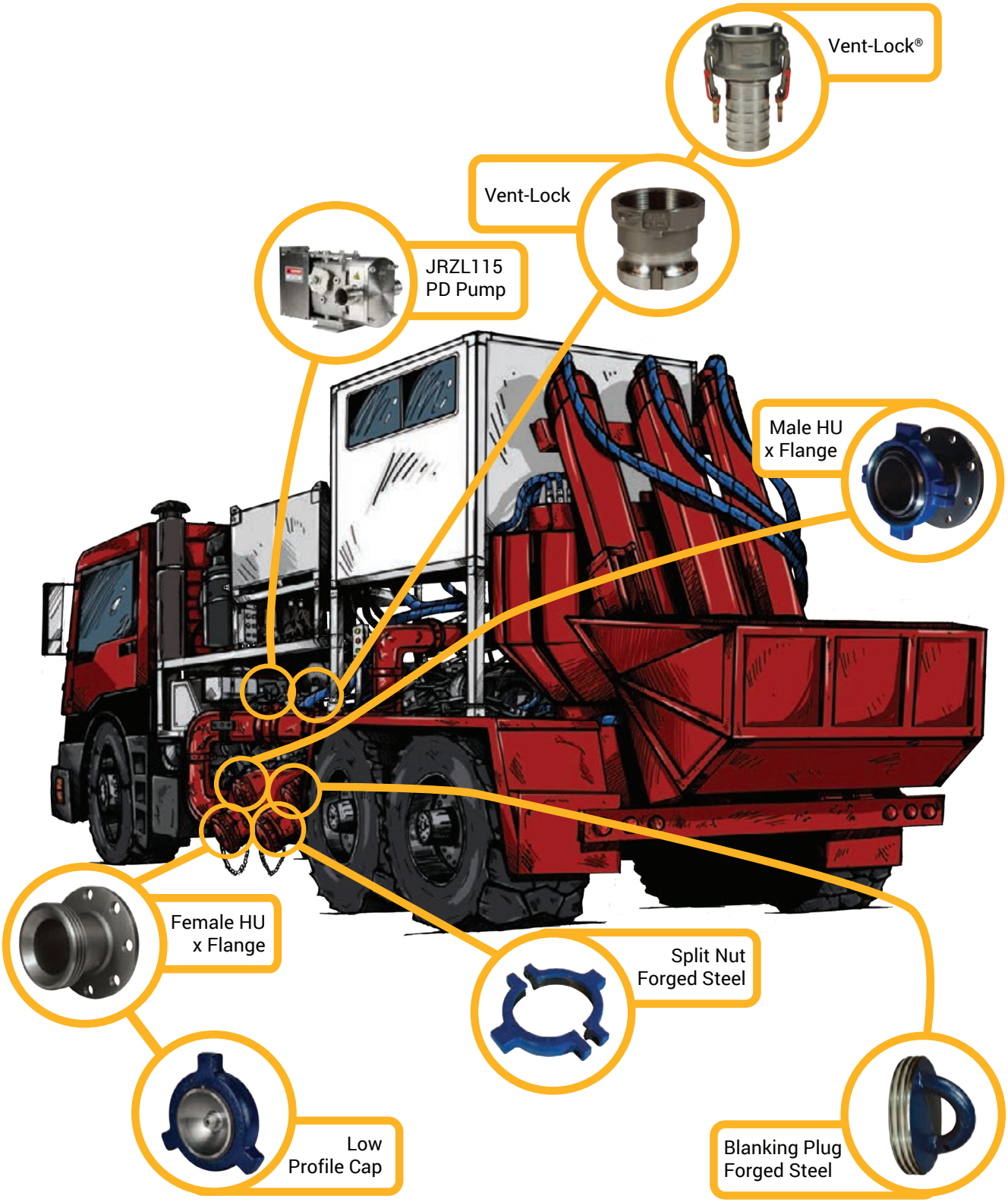
| Style | Hose I.D. and NPT Sizes | Coarse Nut Thread | Plated Steel w/ Copper seat Part # |
|---|---|---|---|
| Compact | 1/2" | 1-31/64" O.D. x 8 TPI | GJ75 |
| | 3/4" | | GJ75 |
| Heavy duty | 3/4" | 1-47/64" O.D. x 8 TPI | GDL25 |
| | 1" | | GDL25 |



## Boss Low Pressure System (LPS) Components

Dixon® is committed to improving end user productivity and reducing environmental and safety related incidents on the low pressure side of hydraulic fracturing sites. Boss Low Pressure System products are built around the premise: "no welds, no threads, no leaks." The product line is continually expanding. Visit dixonvalve.com/bosslps for the latest updates.

D



# Dixon® Boss LPS Frac Fittings

## Application
- Used in the fast-paced transfer of water, chemicals, and sand slurry to a hydraulic fracturing site

## Features
- One-piece stem design eliminates the leak path common with two-piece threaded systems
- Interchangeable with current fittings; phase them into your operation
- Designed to work with Dixon King Crimp® sleeves or ferrules ⚠

## Materials
- Fittings: machined iron to ASTM standards; all stems zinc plated
- Male 3", 4", and 6" NPT fittings are schedule 80 pipe; 8" NPT fittings are schedule 40 pipe; all sizes meet ASTM standards
- Nut: forged steel meeting AISI standards

## Specifications
- **400 PSI** working pressure at **70°F (21°C)** for 3" and 4" sizes; 4:1 safety factor (SF)[1]
- **230 PSI** working pressure at **70°F (21°C)** for 6" size; 4:1 safety factor (SF)
- **150 PSI** working pressure at **70°F (21°C)** for 8" size; 3:1 safety factor (SF)

[1] **400 PSI** working pressure with a minimum 4:1 safety factor (*hose burst: hose working pressure*) is only achieved with:
- 3" size uses standard crimp ferrules
- 4" size requires heavy duty (HD) crimp ferrules, CF400-6CSHD through CF400-16CSHD and heavy duty stems

NOTE: Water and petroleum transfer hoses rated from **100 to 300 PSI** WP (4:1 SF) have excellent test results with the standard King Crimp ferrules *CF400-xxCS*.

### Complete Male / Female Assembly

| Size | Figure | Part # |
|---|---|---|
| 2" | 200 | HUMF200200CS |
| | 206 | HUMF206200CS |
| 3" | 100 | HUMF100300CS |
| | 200 | HUMF200300CS |
| | 206 | HUMF206300CS |
| 4" | 100 | HUMF100400CS |
| | 200 | HUMF200400CS |
| | 206 | HUMF206400CS |
| 6" | 100 | HUMF100600CS |
| | 200 | HUMF200600CS |
| | 206 | HUMF206600CS |
| 8" | 100 | HUMF100800CS |
| | 200 | HUMF200800CS |
| | 206 | HUMF206800CS |


4"

### Female

| Size | Figure | Part # |
|---|---|---|
| 2" | 206 | HUF206200CS |
| 3" | 100 | HUF100300CS |
| | 206 | HUF206300CS |
| 4" | 100 | HUF100400CS |
| | 206 | HUF206400CS |
| 6" | 100 | HUFALL600CS[1] |
| | 206 | |
| 8" | 100 | HUFALL800CS[1] |
| | 206 | |


3" and 4"



D

D

## Dixon® Boss LPS Frac Fittings



3" and 4"



6" and 8"

### Male with Nut

| Size | Figure | Part # |
|---|---|---|
| 2" | 200 | HUM200200CS[1] |
| | 206 | HUM206200CS[2] |
| 3" | 100 | HUM100300CS[1] |
| | 200 | HUM200300CS[1] |
| | 206 | HUM206300CS[2] |
| 4" | 100 | HUM100400CS[1] |
| | 200 | HUM200400CS[1] |
| | 206 | HUM206400CS[2] |
| 6" | 100 | HUM100600CS[1] |
| | 200 | HUM200600CS[1] |
| | 206 | HUM206600CS[2] |
| 8" | 100 | HUM100800CS[1] |
| | 200 | HUM200800CS[1] |
| | 206 | HUM206800CS[2] |

[1] Includes nut
[2] Includes nut and O-ring



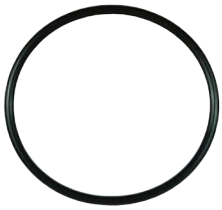
HUSM500SW-1



HUSF500SW

### Suction Service Fittings

| Size | Figure | Description | Forged Steel Part # |
|---|---|---|---|
| 5" | 50 | socket weld x suction male hammer union (includes O-ring, no nut) | HUSM500SW-1 |
| | | socket weld x suction female hammer union | HUSF500SW |
| 5" | N/A | split nut, suction and discharge, black | HUS500RN |



### Dixon Frac Fitting O-rings

| Size | Figure | Nitrile Rubber Part # |
|---|---|---|
| 3" | 206 | O238BU |
| 4" | 206 | O347BU |
| 6" | 206 | O440BU |
| 8" | 206 | O447BU |



### King Crimp® Style Short Frac Ferrules

**Features**
- Schedule 40 plated carbon steel to ASTM standards
- Consult Dixon for additional ferrule sizes

| Hose I.D. | Hose O.D. | | Ferrule Wall Thickness | Ferrule I.D. | Ferrule Overall Length | Carbon Steel Part # |
|---|---|---|---|---|---|---|
| | From | To | | | | |
| 8" | 8-29/64" | 8-36/64" | .120" | 8.625" | 4.25" | CFS800-1CS |
| | 8-37/64" | 8-44/64" | .120" | 8.750" | 4.25" | CFS800-2CS |
| | 8-45/64" | 8-52/64" | .120" | 8.875" | 4.25" | CFS800-3CS |
| | 8-53/64" | 8-60/64" | .120" | 9.000" | 4.25" | CFS800-4CS |
| | 8-61/64" | 9-4/64" | .120" | 9.125" | 4.25" | CFS800-5CS |
| | 9-5/64" | 9-12/64" | .120" | 9.250" | 4.25" | CFS800-6CS |
| | 9-13/64" | 9-20/64" | .120" | 9.375" | 4.25" | CFS800-7CS |

# Dixon® Boss LPS Hammer Union Nuts

## One-Piece

### Features
- Long-lasting and dependable nut
- All nuts are interchangeable with reliable brands
- 6" and 8" sizes have 4-lug design for more surface area to hammer

### Specification
- Cold working pressure: Figure 100 **1,000 PSI**, Figure 200/206 **2,000 PSI**

| Size | Figure | Forged Steel AISI Standards Part # |
|---|---|---|
| 1" | 200/206 | HU206100N |
| 2" | 200/206 | HU206200N |
| 3" | 100 | HU100300N |
| | 200/206 | HU206300N |
| 4" | 100 | HU100400N |
| | 200/206 | HU206400N |
| 6" | 100 | HU100600N |
| | 200/206 | HU206600N |
| 8" | 100 | HU100800N |
| | 200/206 | HU206800N |



3" and 4"



6" and 8"

## Two-Piece

### Applications
- Replacement for damaged hammer union nuts
- Used with male one-piece flange adapters

### Features
- Lug design provides enlarged surface area to hammer
- Repair nut is pinned and bolted for perfect alignment
- Nut can be installed on pre-existing hammer union assembly
- 4" Figure 200/206 nut is interchangeable with reliable brands
- 6" and 8" Figure 100/200/206 nuts are interchangeable with reliable brands
- Available in other series and sizes; contact Dixon

### Specification
- Cold working pressure: Figure 50 **500 PSI,** Figure 100 **1,000 PSI,** Figure 200/206 **2,000 PSI**

Dixon recommends using Loctite® Threadlocker Red 271™ when bolting together two-piece hammer union nuts to ensure that bolts do not loosen when in service. Option two is to weld the seams of the split nut. Bolt torque recommendation is 60 ft. lbs.



figure 200 / 206



figure 100

| Size | Figure | Forged Steel AISI Standards Part # |
|---|---|---|
| 4" | split nut, figure 200/206, blue (includes bolts) | HU200400RN |
| 5" | figure 50, black | HUS500N |
| | split nut, figure 50, black (includes bolts) | HUS500RN |
| 6" | split nut, figure 100, black (includes bolts) | HU100600RN |
| | split nut, figure 200/206, blue (includes bolts) | HU200600RN |
| 8" | split nut, figure 100, black (includes bolts) | HU100800RN |
| | split nut, figure 200/206, blue (includes bolts) | HU200800RN |

## Three-Piece

### Features
- Replacement for damaged hammer union nuts
- Used with male one-piece flange adapters
- Can use tools/wrench made for loosening and tightening nuts

### Specification
- Cold working pressure: Figure 200/206 **2,000 PSI**



figure 200 / 206

| Size | Figure | Forged Steel AISI Standards Part # |
|---|---|---|



GOODYEAR RUBBER PRODUCTS, INC.
727-342-5088
You can also email us at GRP@goodyearrubberproducts.com

# Dixon® Boss LPS Hammer Unions

### Features
- Socket weld configurations and other materials are available; contact Dixon for further information
- Hammer unions work at extremely high pressures, mismatching components of one series with another (i.e. series 602 with series 1502) can lead to destruction of property, serious bodily injury, or death
- Non-shocking cold water pressure means that the rated value is the maximum operating pressure at ambient temperature
- No spikes higher than this pressure
- No instantaneous pressure increases (0-2,000 PSIG in 1/4 of a second)



### Specifications
- Temperature range: **-20°F** to **250°F (-29°C** to **121°C)**
- Ambient temperature: **70°F (21°C)**

## 100-Series



### Feature
- Yellow sub, black nut

### Specification
- Used on low pressure manifolds and lines and in applications running air, water, oil, or gas up to **1,000 PSI NSCWP** (non-shock cold working pressure)

| Size | Configuration | NSCWP (PSI) | Forged Steel Part # |
|---|---|---|---|
| 2" | threaded | **1,000** | HU100200 |
| | buttweld | **1,000** | HU100200BW[1] |
| 2-1/2" | threaded | **1,000** | HU100250 |
| 3" | threaded | **1,000** | HU100300 |
| 4" | threaded | **1,000** | HU100400 |
| | buttweld | **1,000** | HU100400BW[1] |
| 6" | threaded | **1,000** | HU100600 |
| 8" | threaded | **1,000** | HU100800 |

[1] Buttweld ends are schedule 40

## 200-Series



### Features
- Nitrile O-ring mounted sub provides excellent sealing properties
- Grey sub, blue nut

### Specification
- Used in general service applications running air, water, oil, or gas up to **2,000 PSI NSCWP** (non-shock cold working pressure)

| Size | Configuration | NSCWP (PSI) | Forged Steel Part # |
|---|---|---|---|
| 1" | threaded | **2,000** | HU200100 |
| 1-1/2" | threaded | **2,000** | HU200150 |
| 2" | threaded | **2,000** | HU200200 |
| | buttweld | **2,000** | HU200200BW[1] |
| 2-1/2" | threaded | **2,000** | HU200250 |
| 3" | threaded | **2,000** | HU200300 |
| 4" | threaded | **2,000** | HU200400 |
| 6" | threaded | **2,000** | HU200600 |
| 8" | threaded | **2,000** | HU200800 |

[1] Buttweld ends are schedule 40

## 206-Series



### Features
- Nitrile O-ring mounted sub provides excellent sealing properties
- Grey sub, blue nut

### Specification
- Used in general service applications running air, water, oil and gas up to **2,000 PSI NSCWP** (non-shock cold working pressure)

| Size | Configuration | NSCWP (PSI) | Forged Steel Part # |
|---|---|---|---|
| 1" | threaded | **2,000** | HU206100 |
| 1-1/2" | threaded | **2,000** | HU206150 |
| 2" | threaded | **2,000** | HU206200 |
| 2-1/2" | threaded | **2,000** | HU206250 |
| 3" | threaded | **2,000** | HU206300 |
| 4" | threaded | **2,000** | HU206400 |

# Dixon® Boss LPS Hammer Union Caps and Plugs



## Application

- Prevents leakage of hydraulic fracturing fluids from hammer union connections used on manifolds and hose assemblies, hammer union caps and plugs can be used in pressurized service or as dust caps/plugs on site or when transferring equipment

## Features

- Forged steel construction ensures longevity, reliability, and performance
- Caps are designed with larger lugs for easier installation and disassembling and include a threaded bolt hole for attaching chain or cable
- Plugs are designed with larger handle for easier installation and disassembling and include a handle hole to attach chain or cable
- Forged steel meets AISI standards

### Blanking Caps

| Size | Figure | Description | Forged Steel Part # |
|---|---|---|---|
| 2" | 206 | includes nut/plug body, O-ring, and retaining ring | HUC206200 |
| 4" | 100 | blanking cap, includes nut/plug body, O-ring, and retaining ring | HUC100400 |
| | 206 | includes nut/plug body, O-ring, and retaining ring | HUC206400 |
| | | blue with nut/plug body and retaining ring with bolt and chain | HUC206400BC |
| | 207 | cap only | HUC207400 |
| | | blanking cap with bolt and chain | HUC207400BC |
| 6" | 206 | includes nut/plug body, O-ring, and retaining ring | HUC206600 |
| 8" | 206 | includes nut/plug body, O-ring, and retaining ring | HUC206800 |



HUC207400

### Blanking Plugs

| Size | Figure | Description | Casting Part # |
|---|---|---|---|
| 4" | 207 | plug only | HUP207400 |
| | | with chain and D-link (shackle/bolt) | HUP207400DC |
| 6" | 100/200/206 | hammer union, connects to figures 100/200/206 | HUPALL600 |
| 8" | 100/200/206 | hammer union, connects to figures 100/200/206 | HUPALL800 |



HUP207400



HUPALL600

### Low Pressure Blanking Plugs

| Size | Figure | Description | Forged Steel Part # |
|---|---|---|---|
| 5" | 50 | hammer union, working pressure **500 PSI** | HUSP500 |



HUSP500

### O-ring

| Size | Nitrile Rubber Part # |
|---|---|
| 4" | O429BU |



D

# Dixon® Boss LPS One-Piece Flange Adapters

## Applications

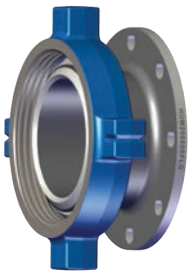
- Used in the transfer of water, brine, water-based chemicals, water-based acids, and gelatinous proppant (sand) slurry used at hydraulic fracturing sites
- Use with HU200400RN two-piece nut

## Features

- Flange x female or male hammer union straights (standard or short length)
- 45° elbows in female and male (flange x hammer union)
- No welds or pipe threads to deteriorate and cause premature leakage
- Two-piece nut is pinned and bolted for perfect alignment
- All 4" Figure 206 threads are interchangeable with other reliable brands
- 125# flange match the bolt pattern of 150# flange
- Iron adapters meet ASTM standards
- Forged steel nuts meet AISI standards



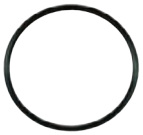
HUF206400FLG



HUM206400FLG-ST



HUM206400FLG-45



### Flange Adapters - Straight

| Size | Figure | Description | Overall Length | Iron Part # |
|---|---|---|---|---|
| 4" | 206 | female hammer union x 125# flange | 5-1/8" | HUF206400FLG |
| | | male hammer union x 125# flange includes nut and nitrile rubber O-ring | 5-9/16" (with nut) | HUM206400FLG |
| 6" | 100/200/206 | 125# flange x female hammer union; connects to figures 100/200/206 | 4-1/2" | HUFALL600FLG |
| | 206 | 125# flange x male (includes iron nut and O-ring) | 4-15/16" | HUM206600FLG[1] |
| 8" | 100/200/206 | 125# flange x female hammer union; connects to figures 100/200/206 | 4-1/2" | HUFALL800FLG |
| | 206 | 125# flange x male (includes nut and O-ring) | 5-7/32" | HUM206800FLG[1] |

[1] Nut is iron

### Flange Adapters - Short

| Size | Figure | Description | Overall Length | Iron Part # |
|---|---|---|---|---|
| 4" | 206 | female hammer union x 125# flange short | 3" | HUF206400FLG-ST |
| | | male hammer union x 125# flange short includes nut and nitrile rubber O-ring | 3-13/32" (with nut) | HUM206400FLG-ST |

### Flange Adapters - 45° Elbow

| Size | Figure | Description | Overall Length | Iron Part # |
|---|---|---|---|---|
| 4" | 206 | female hammer union x 125# flange 45° elbow | 10-31/32" | HUF206400FLG-45 |
| | | male hammer union x 125# flange 45° elbow includes nut and nitrile rubber O-ring | 12-1/32" (with nut) | HUM206400FLG-45 |

### O-ring

| Size | Nitrile Rubber Part # |
|---|---|
| 4" | O347BU |

NOTE: For flange dimensions, diagrams and additional information please reference dixonvalve.com.

# Dixon® Boss LPS One-Piece Adapters

## 150# Flange to Weld Adapters

**Features**
- Used on a 12" pipe manifold
- Easy to weld
- Formed butt weld provides accurate alignment
- Compatible with other reliable brands

| Size | Description | Weldable Cast Steel Part # |
|---|---|---|
| 4" | 150# flange with offset hole alignment to center weld on 12" manifold pipe x 3-3/4" long adapter | WC4FL12X375-2 |
| | 150# flange with offset hole alignment to center weld on 12" manifold pipe x 6-3/4" long adapter | WC4FL12X675-2 |
| | 150# flange x weld adapter, vertical | WA4FL12X750-1 |
| | 150# flange x weld adapter, offset | WA4FL12X750-2 |
| | 150# flange x weld adapter, vertical | WA4FL12X1050-1 |
| | 150# flange x weld adapter, offset | WA4FL12X1050-2 |



10-1/2"

D

**Vertical Pattern**



**Offset Pattern**



NOTE: For flange dimensions, diagrams and additional information, please reference dixonvalve.com.

## 125# Flange x Male NPT

| Size | Description | Ductile Iron Part # |
|---|---|---|
| 4" | 125# flange x male NPT | 4FAMT |
| | 125# flange x male NPT - long | 4FAMTL |



4FAMT

## Port Adapter

| Size | Figure | Description | Iron Part # |
|---|---|---|---|
| 2" | 206 | male NPT x female hammer union | HUF206200MT |



## Hammer Union Elbows

**Features**
- No welds or pipe threads to deteriorate and cause premature leakage
- Easy to weld to 12" pipe manifolds

| Size | Figure | Description | Ductile Iron Part # |
|---|---|---|---|
| 4" | 206 | male hammer union x female hammer union 45° elbow | HUMF20640045 |
| | | male hammer union x female hammer union 60° elbow | HUMF20640060 |
| | | male hammer union x female hammer union 80° elbow | HUMF20640080 |



D

## King Crimp® Style Sleeves



### Large Sleeves

| Hose I.D. | Sleeve I.D. | Sleeve Wall Thickness | Sleeve Overall Length | Carbon Steel Part # |
|---|---|---|---|---|
| 6" | 6.44" | 0.120" | 5.50" | S6438X550X120CS |
| | 7.00" | 0.120" | 4.00" | S700X400X120CS |
| | 7.00" | 0.120" | 6.00" | S700X600X120CS |
| 8" | 8.30" | 0.120" | 8.75" | S830X875X120CS |
| | 8.38" | 0.120" | 6.00" | S838X600X120CS |
| | 8.50" | 0.120" | 6.50" | S850X650X120CS |
| | 8.75" | 0.120" | 6.00" | S875X600X120CS |
| | 8.98" | 0.120" | 8.75" | S898X875X120CS |
| | 9.00" | 0.090" | 4.00" | S900X400X090CS |
| | 9.00" | 0.120" | 4.00" | S900X400X120CS |
| | 9.00" | 0.120" | 6.00" | S900X600X120CS |
| | 9.10" | 0.120" | 4.00" | S910X400X120CS |
| | 9.12" | 0.120" | 6.00" | S912X600X120CS |
| | 9.15" | 0.120" | 6.00" | S915X600X120CS |
| | 9.25" | 0.120" | 4.00" | S925X400X120CS |
| | 9.25" | 0.120" | 6.00" | S925X600X120CS |
| | 9.50" | 0.120" | 4.00" | S950X400X120CS |
| | 9.50" | 0.120" | 6.00" | S950X600X120CS |
| | 9.75" | 0.120" | 6.00" | S975X600X120CS |
| 10" | 10.25" | 0.120" | 7.50" | S1025X750X120CS |
| | 10.50" | 0.120" | 7.50" | S1050X750X120CS |
| | 11.00" | 0.120" | 6.00" | S1100X600X120CS |
| | 11.25" | 0.120" | 7.50" | S1125X750X120CS |
| | 11.75" | 0.120" | 6.00" | S1175X600X120CS |
| | 11.75" | 0.120" | 7.50" | S1175X750X120CS |
| 12" | 12.44" | 0.120" | 9.00" | S1244X900X120CS |
| | 12.75" | 0.120" | 8.00" | S1275X800X120CS |
| | 13.25" | 0.120" | 7.50" | S1325X750X120CS |
| | 13.25" | 0.120" | 8.00" | S1325X800X120CS |
| | 13.25" | 0.120" | 9.50" | S1325X950X120CS |
| | 13.75" | 0.120" | 7.50" | S1375X750X120CS |
| 14" | 14.00" | 0.120" | 8.00" | S1400X800X120CS |
| | 14.00" | 0.120" | 9.50" | S1400x950X120CS |

NOTE: Consult Dixon® for additional sleeve sizes

# King Crimp® Style

## Combination Nipples - Heavy Duty, Threaded End



### Application
- Used in the fast-paced transfer of water, chemicals, and sand slurry to a hydraulic fracturing site

### Feature
- Used with ferrules below



### Specifications
- Water and petroleum transfer hoses rated from **100 to 300 PSI** WP (4:1 SF) have excellent test results with the standard King Crimp ferrules CF400-xxCS.
- **400 PSI** working pressure at **70°F (21°C)** when used with heavy duty crimp ferrules (CF400-6CSHD through CF400-16CSHD)

| Size | Description | Schedule 80 Steel Part# |
|---|---|---|
| 4" | male NPT fitting | STC40CSHD |

## Ferrules - Heavy Duty

**Only use the crimp style shanks with the crimp style sleeves and ferrules.** Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturers' products with Dixon® products.

### Specifications
- **400 PSI** working pressure with a minimum 4:1 safety factor (hose burst: hose working pressure) is only achieved with heavy duty (HD) crimp ferrules, CF400-6CSHD through CF400-16CSHD using heavy duty King Crimp stem STC40CSHD



| Hose I.D. | Hose O.D. | | Ferrule Wall Thickness | Ferrule I.D. | Ferrule Overall Length | Carbon Steel Part # |
|---|---|---|---|---|---|---|
| | From | To | | | | |
| 4" | 4-33/64" | 4-36/64" | 0.120" | 4.625" | 4" | CF400-6CSHD |
| | 4-37/64" | 4-40/64" | 0.120" | 4.688" | 4" | CF400-7CSHD |
| | 4-41/64" | 4-44/64" | 0.120" | 4.750" | 4" | CF400-8CSHD |
| | 4-45/64" | 4-48/64" | 0.120" | 4.813" | 4" | CF400-9CSHD |
| | 4-49/64" | 4-52/64" | 0.120" | 4.875" | 4" | CF400-10CSHD |
| | 4-53/64" | 4-56/64" | 0.120" | 4.938" | 4" | CF400-11CSHD |
| | 4-57/64" | 4-60/64" | 0.120" | 5.000" | 4" | CF400-12CSHD |
| | 4-61/64" | 5" | 0.120" | 5.063" | 4" | CF400-13CSHD |
| | 5-1/64" | 5-4/64" | 0.120" | 5.125" | 4" | CF400-14CSHD |
| | 5-5/64" | 5-8/64" | 0.120" | 5.188" | 4" | CF400-15CSHD |
| | 5-9/64" | 5-12/64" | 0.120" | 5.250" | 4" | CF400-16CSHD |

D

# Dixon® Boss LPS Butterfly Valves



Actuated Butterfly Valve

## Applications
- Low-pressure transfer of water, acids, chemicals, slurries, and other liquids
- Designed for all low-pressure hydraulic fracturing applications

## Sizes
- 4", 5", 8"

## Features
- Locator notches around the outer edge of the body allow the valve to easily line up at center
- Actuator mounting flange outfitted with both industry standard and ISO bolt circle diameters
- Thicker stems deliver a more durable and reliable performance
- Grease zerk added to body neck for reliable performance
- 10-position throttling handle for controlled accuracy
- For use between lightweight flanges: 125 lb., 150 lb., or butterfly valve flange
- Valve is rebuildable; contact Dixon for replacement parts

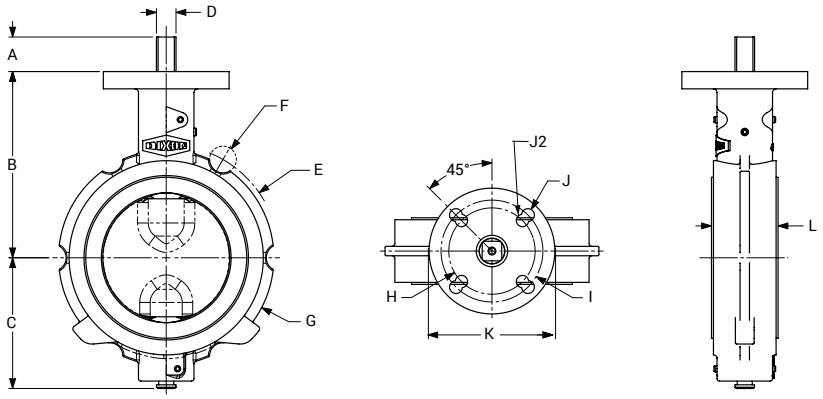
## Materials
- Body: ductile iron
- Disc: nickel-plated ductile iron
- Seat: nitrile rubber or FKM
- Bushings: PTFE
- O-rings: nitrile rubber
- Stems: 416 stainless steel
- Retaining pins: stainless steel
- Handle: malleable iron

## Specifications
- Maximum working pressure: 4" and 5" - **200 PSI**; 8" - **175 PSI**
- Temperature range:
- Nitrile rubber seat **-20°F** to **200°F (-28°C to 93°C)**; FKM seat **0°F** to **200°F (-17°C to 93°C)**

| Size | Description | Dixon Part # |
|---|---|---|
| 4" | valve with nitrile rubber seat | 4BF416DITF-CNBR |
| | valve with FKM seat | 4BF416DITF-FKM |
| 5" | valve with nitrile rubber seat | 5BF416DITF-NBR |
| 8" | valve with nitrile rubber seat | 8BF416DITF-NBR |

NOTE: Dixon provides actuation services for industrial and sanitary valves.

## Dimensions




| Size | A | B | C | D | E | F | G | H | I | J | J2 | K | L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4" | 1-3/32" | 5-15/16" | 4-3/16" | 5/8" | 7-1/4" | 6 x 27/32" | 6-7/8" | 2-3/4" | 3-1/4" | 4 x 13/32" | 4 x 13/32" | 4" | 2-1/8" |
| 5" | 1-1/4" | 6-1/32" | 4-27/32" | 5/8" | 7-19/32" | 6 x 3/4" | 7-3/4" | 2-3/4" | 3-1/4" | 4 x 13/32" | 4 x 7/16" | 4" | 2-3/16" |
| 8" | 1-1/4" | 8-1/8" | 7-1/16" | 7/8" | 11-3/4" | 8 x 15/16" | 11-3/4" | 4-1/32" | 5" | 4 x 1/2" | 4 x 19/32" | 6" | 2-5/8" |

# Frac Pump Elbow Adapters



## Applications
- Simplifies the plumbing to and from pumps
- Eliminates multiple adapters and thread connections

## Features
- Used with RZL positive displacement frac pumps
- Reduces leak paths
- 90° elbows that reduces leak paths

## Material
- Seal: rubber (styrene butadiene)

## Specifications
- Working pressure: **250 PSI**
- 316 stainless steel meets AISI standards

### Male Cam & Groove Adapter x NPSM swivel nut

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" x 1-1/2" | RPDA901510 |
| 1-1/2" x 1-1/2" | RPDA90150 |



### Male NPT x NPSM swivel nut

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" x 1-1/2" | RPDM901510 |
| 1-1/2" x 1-1/2" | RPDM90150 |



D

## Vent-Lock® Safety Cam and Groove Couplings

### Application
- Transfer of fluids and solids, with a safer disconnection

### Features
- Safety release cam and groove couplings permit the release of static pressure when disconnecting hose assemblies
- Venting system protects operator from being sprayed with hazardous or non-hazardous fluids or solids
- Does not interchange with standard cam and groove products use only with Dixon L-style fittings
- Safety orange cam arms
- Consult Dixon for availability of other materials

### Specifications
- Rated to **250 PSI**, recommendation based on the use of mating Dixon® L-style fittings at ambient temperature **70°F (21°C)** with standard nitrile rubber seal installed, for use at elevated temperature or other unusual operating conditions, consult Dixon
  - 1", 1-1/2", and 2" sizes have a maximum working pressure of **250 PSI**
  - 3" maximum working pressure **150 PSI** with King Crimp® ferrules, crimp sleeves, and bands at **125 PSI**
  - 4" maximum working pressure **150 PSI** with King Crimp ferrules, crimp sleeves, and bands at **100 PSI**

### Attachment Options
- Ferrules, sleeves, bands, and other reliable options



## Type A Adapters

**Adapter x Female NPT**

| Size | 316 Stainless Steel Part # | Aluminum Part # |
|---|---|---|
| 1" | L100-A-SS | --- |
| 1-1/2" | L150-A-SS | --- |
| 2" | L200-A-SS | --- |
| 3" | L300-A-SS | --- |
| 4" | --- | L400-A-AL |



## Type C Couplers

**Coupler x Hose Shank**

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | L100-C-SS |
| 1-1/2" | L150-C-SS |
| 2" | L200-C-SS |



## EZ Boss-Lock Type C Couplers

**Coupler x Hose Shank**

| Size | 316 Stainless Steel Part # | Aluminum Part # |
|---|---|---|
| 1" | RLC100EZ | --- |
| 1-1/2" | RLC150EZ | --- |
| 2" | RLC200EZ[1] | --- |
| 3" | RLC300EZ[1] | --- |
| 4" | --- | ALC400EZ[1] |

# Vent-Lock® Safety Cam and Groove Couplings

## Type D Couplers

### Coupler x Female NPT

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | RLD100EZ |
| 1-1/2" | RLD150EZ |
| 2" | RLD200EZ |



D

## Type E Adapters

### Adapter x Hose Shank

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | L100-E-SS |
| 1-1/2" | L150-E-SS |
| 2" | L200-E-SS |
| 3" | L300-E-SS |



### Type DC Dust Caps

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | L100-DC-SS |
| 1-1/2" | L150-DC-SS |
| 2" | L200-DC-SS |



### Type DP Dust Plugs

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | L100-DP-SS |
| 1-1/2" | L150-DP-SS |
| 2" | L200-DP-SS |
| 3" | L300-DP-SS |



### EZ Boss-Lock Type H Dust Caps

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | RLH100EZ |
| 1-1/2" | RLH150EZ |
| 2" | RLH200EZ |
| 3" | RLH300EZ |



# Vent-Lock® Safety Cam and Groove Couplings

## Accessories

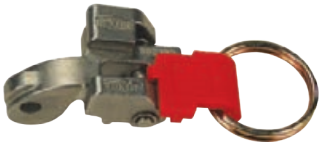
### Dixon® Handle Assembly



**Features**
- Use only with Dixon Vent-Lock couplers
- Includes handle, ring, and pin

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | L100-HSCRP-SI |
| 1-1/2" - 2" | L200-HSCRP-SI |

### EZ Boss-Lock Handle Assembly



**Features**
- Use only with EZ Boss-Lock Vent-Lock couplers
- Includes handle, ring, and pin

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | LRHEZ175 |
| 1-1/2" - 2 | LRHEZ152 |
| 3" | LRHEZ34 |

## Universal Couplings.....180 - 189
Air King®..... 180 - 181
Global Air King..... 182 - 183
Air King with ferrule.....184
Air King with gauge port .....184
Air King universal swivels.....184
Global Air King ferrules .....185
Air King clamps .....185
Air King accessories .....186
Sand Blast .....187
Surelock™..... 188 - 189

## Quick Disconnects.....190 - 225
Dix-Lock® N-Series ..... 190 - 193
Dual-Lock P-Series ..... 194 - 196
DF-series..... 197 - 201
J-series ..... 202 - 203
M-series ..... 204 - 205
CJ-series .....206
SHD-series..... 207 - 208
L-series .....208
U-series.....209
NK-series.....210
BR-series.....211
A-series ..... 212 - 213
Profile Chart.....214
Ball swivel plug.....214
Air Chief industrial..... 215 - 218
- Air Chief plugs ..... 215 - 216
- Air Chief semi-automatic .....217
- Air Chief automatic .....218

Parker E-z-mate .....219
Legris automatic safety couplers .....220
Air Chief automotive ..... 221 - 222
Air Chief ARO interchange..... 223 - 224
Air Chief Lincoln interchange .....225

## Steel 3500 nipples..... 226

## Bent Stem Swivels..... 227

## D.O.T. Air Brake .....228 - 239
D.O.T. push-in fittings ..... 228 - 229
Legris D.O.T. push-in fittings..... 230 - 233
Air brake..... 234 - 239

## Push-in.....240 - 258
Brass..... 240 - 243
Stainless steel Legris..... 244 - 245
Nickel-plated brass Legris ..... 246 - 247
Nylon / Nickel-plated brass Legris..... 248 - 250, 252
Nylon Legris.....251
Manifold, Legris.....252
Fittings kit, Legris.....252
Valves ..... 253 - 255
- Ball .....253
- Quick exhaust .....253
- Flow control..... 253 - 254
- Check .....255

Metric..... 256 - 258


E

**⚠WARNING**

The constant vibration created by air tools, like air drills and pavement breakers, is destructive to air hose couplings, especially the quick-acting type. To provide protection against coupling breakage and related hazards, Dixon® recommends the use of a whip hose. To construct a whip hose, connect one end of a short (3' to 10') air hose to the air tool using a 3500 type steel nipple. Connect the other end of the hose to the air supply using the standard quick-acting coupling. The heat-treated 3500 nipple will withstand vibration far better than the standard coupling and provide a safer connection. The whip

## Air King®

**⚠WARNING**

- The use of an Air King safety clip or wire type retainer is necessary to ensure Air King universal couplings will not become accidentally disconnected. This guarantees the fittings are properly connected because the safety pin will not go through the holes in mating flanges until couplings are locked in place. Only one Air King safety clip or wire type retainer is required for each Air King universal coupling.

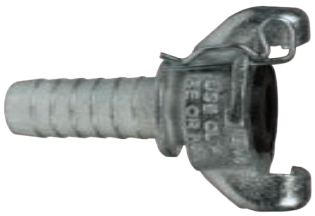


### Features

- Can be used with Air King ferrules
- Supplied with safety clip
- Supplied with rubber washers, part # AWR4

### Specifications

- Pressure rating: **150 PSI** at ambient temperature **70°F (21°C)**
- Meets pressure requirements as specified in A-A-59553 commercial item description superseding Mil Spec.WWC-633D



### 2-Lug Hose Ends

| Size | Iron Part # | Optional Qty | Brass Part # | Optional Qty | 316 Stainless Steel Part # |
|---|---|---|---|---|---|
| 3/8" | AMH[1] | 25 | GABH[1] | 25 | RAMH |
| 1/2" | AM1 | 50 | GAB1[1] | 50 | RAM1 |
| 5/8 | AM5 | 50 | AB5 | 50 | --- |
| 3/4" | AM6 | 50 | GAB6[1] | 50 | RAM6 |
| 1" | AM11 | 50 | GAB11[1] | 50 | RAM11 |



### 2-Lug Male NPT Ends

| Size | Iron Part # | Optional Qty | Brass Part # | Optional Qty | 316 Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/4" | AMB1 | 25 | ABB1 | 25 | --- |
| 3/8" | AMB | 25 | ABB | 25 | RAMB |
| 1/2" | AM2 | 50 | GAB2[1] | 50 | RAM2 |
| 3/4" | AM7 | 50 | GAB7[1] | 50 | RAM7 |
| 1" | AM12 | 50 | GAB12[1] | 50 | RAM12 |



### 2-Lug Female NPT Ends

| Size | Iron Part # | Optional Qty | Brass Part # | Optional Qty | 316 Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/4" | AMC1 | 25 | ABC1 | 25 | --- |
| 3/8" | AMC | 25 | ABC | 25 | RAMC |
| 1/2" | AM3 | 50 | GAB3[1] | 50 | RAM3 |
| 3/4" | AM8 | 50 | GAB8[1] | 50 | RAM8 |
| 1" | AM13 | 50 | GAB13[1] | 50 | RAM13 |

[1] Global investment cast

NOTE: Air King is for air and water service only, Warning: Never use any Air King coupling for steam service! None of Dixon's catalog information is to be interpreted to mean that this type of coupling is suitable for use on steam hose. ⚠

## Air King®

### 2-Lug Blank Ends



| Iron Part # | Optional Qty | Brass Part # | Optional Qty | 316 Stainless Steel Part # |
|---|---|---|---|---|
| AM0 | 25 | GAB0[1] | 25 | RAM0 |

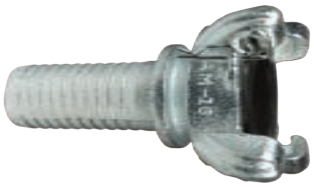
### 2-Lug Triple Connections



| Iron Part # | Optional Qty | Brass Part # | Optional Qty |
|---|---|---|---|
| AM10 | 25 | GAB10[1] | 25 |

[1] Global investment cast

### 4-Lug Hose Ends



| Size | Iron Part # | Optional Qty |
|---|---|---|
| 1-1/4" | AM16 | 25 |
| 1-1/2" | AM21 | 25 |
| 2" | AM26 | 10 |

### 4-Lug Female NPT Ends



| Size | Iron Part # | Optional Qty |
|---|---|---|
| 1-1/4" | AM18 | 25 |
| 1-1/2" | AM23 | 25 |
| 2" | AM28 | 10 |

NOTE: Air King is for air and water service only. Warning: Never use any Air King coupling for steam service! None of Dixon's catalog information is to be interpreted to mean that this type of coupling is suitable for use on steam hose.

## Global Air King®

### Features

- Supplied with safety clip and rubber washers
- Use with Boss® clamps; see pages 161 - 162
- Not to be used for steam service
- Must use safety clips, safety clips are same size for both 2-lug and 4-lug Air King couplings, see page 186

### Specification

- Pressure rating: **150 PSI** at ambient temperature **70°F (21°C)**

E



### 2-Lug Hose Ends

| Size | Plated Steel Part # | Pkg Qty |
|---|---|---|
| 1/2" | GAM1 | 25 |
| 3/4" | GAM6 | 50 |
| 1" | GAM11 | 50 |



### 2-Lug Male NPT Ends

| Size | Plated Steel Part # | Pkg Qty |
|---|---|---|
| 1/2" | GAM2 | 25 |
| 3/4" | GAM7 | 50 |
| 1" | GAM12 | 50 |



### 2-Lug Female NPT Ends

| Size | Plated Steel Part # | Optional Qty |
|---|---|---|
| 1/2" | GAM3 | 25 |
| 3/4" | GAM8 | 50 |
| 1" | GAM13 | 50 |



### 2-Lug Blank End

| Plated Steel Part # | Optional Qty |
|---|---|
| GAM0 | 25 |



### 2-Lug Triple Connection

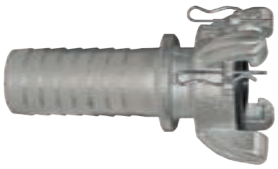
| Plated Steel Part # | Optional Qty |
|---|---|
| GAM10 | 25 |

NOTE: Air King is for air and water service only. Warning: Never use any Air King coupling for steam service! None of Dixon's catalog information is to be interpreted to mean that this type of coupling is suitable for use on steam hose.

# Global Air King®

## 4-Lug Hose Ends

| Size | Plated Steel Part # | Optional Qty |
|---|---|---|
| 1-1/4" | GAM16 | 25 |
| 1-1/2" | GAM21 | 25 |
| 2" | GAM26 | 10 |



## 4-Lug Female NPT Ends

| Size | Plated Steel Part # | Optional Qty |
|---|---|---|
| 1-1/4" | GAM18 | 25 |
| 1-1/2" | GAM23 | 25 |
| 2" | GAM28 | 20 |



NOTE: Air King is for air and water service only. Warning: Never use any Air King coupling for steam service! None of Dixon's catalog information is to be interpreted to mean that this type of coupling is suitable for use on steam hose.



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## Air King® with Ferrule



**Features**
- Design provides quick, easy, and effective coupling of air hose
- Interlocking ferrule can be crimped or swaged to achieve maximum coupling sealing and retention with a low-profile streamline appearance. For crimp or swage diameter recommendations go to dixonvalve.com
- For air and water service only

**Specification**
- Working pressure: **150 PSI** at ambient temperature **70°F (21°C)**

| Size | Hose O.D. | | Iron Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| | From | To | | |
| 1/2" | 54/64" | 1-2/64" | AM1WF | RAM1WF |
| 3/4" | 1-4/64" | 1-22/64" | AM6WF | RAM6WF |
| 1" | 1-18/64" | 1-34/64" | AM11WF-1 | --- |
| 1" | 1-30/64" | 1-46/64" | AM11WF | --- |
| 1" | 2-1/64" | 2-8/64" | AM21WF | --- |
| 2" | 2-28/64" | 2-40/64" | AM26WF | --- |

## Air King with Gauge Port



**Features**
- Drilled with 1/4" NPT port for mounting a gauge
- Gauge sold separately

| Size | Iron Part # | 316 Stainless Steel Part # |
|---|---|---|
| 3/4" | AM7T | RAM7T |

## Air King Couplings

### Swivel Hose End



**Features**
- Interchanges with other Air King fittings
- Includes a heavy-duty, free-turning joint that swivels under pressure to prevent hose kinking
- For air and water service only

**Specification**
- Working pressure: **150 PSI** at ambient temperature **70°F (21°C)**

| Size | Iron Part # |
|---|---|
| 3/4" | AM6SWIV |

### Swivel Male NPT Ends



| Size | Iron Part # |
|---|---|
| 1/2" | AM2SWIV |
| 3/4" | AM7SWIV |

### Swivel Female NPT End



| Size | Iron Part # |
|---|---|
| 3/4" | AM8SWIV |

NOTE: Air King is for air and water service only. Warning: Never use any Air King coupling for steam service! None of Dixon's catalog information is to be interpreted to mean that this

## Global Air King® Ferrules

**Features**
- Low profile streamline appearance with maximum retention
- Lightweight
- Can be crimped
- Designed for use with global Air King fittings on pages 182 - 183
- Reference dixonvalve.com for crimp recommendations and ferrule O.D. ranges

| Size | Ferrule I.D. | Plated Steel Part # |
|---|---|---|
| 1/2" | 0.906" | CCF0906 |
| 3/4" | 1.120" | CCF1120 |
| | 1.149" | CCF1149 |
| | 1.190" | CCF1190 |
| | 1.218" | CCF1218 |
| | 1.246" | CCF1246 |
| 1" | 1.438" | CCF1438 |
| | 1.469" | CCF1469 |
| | 1.500" | CCF1500 |
| | 1.531" | CCF1531 |





## Air King Clamps

**Features**
- Torque values for clamps are based on dry bolts. The use of lubricant on bolts will adversely effect clamp performance.
- For use with Air King ends on pages 180 - 181

| Hose I.D. | Hose O.D. from | Hose O.D. to | Plated Iron Part # | Torque ft. lbs. | Optional Qty |
|---|---|---|---|---|---|
| 3/8" | 44/64" | 56/64" | CD [2] | **6** | **100** |
| 1/2" | 1" | 1-12/64" | A4 | 6 | 50 |
| 3/4" | 1-8/64" | 1-20/64" | A9[2] | 21 | 50 |
| 1" | 1-20/64" | 1-32/64" | A10[1, 2] | 21 | 50 |
| | 1-32/64" | 1-52/64" | A14 | 21 | 50 |



[1] Can be used with AM6 and AM11
[2] Global investment cast carbon steel

# Air King® Accessories

**Features**
- The use of an Air King safety clip or wire type retainer is necessary to ensure couplings will not become accidentally disconnected, this guarantees the fittings are properly connected as the pin will not go through the holes in the mating flanges until couplings are locked in place
- Only one Air King safety clip or wire type retainer is required for each Air King universal coupling
- Sold in package quantities only



## Standard Safety Clip



**Feature**
- Same size clip can be used for all coupling sizes

| Wire Diameter | Part # | Pkg Qty |
|---|---|---|
| .080 | AC1 | 25 |

## Safety Pins



**Feature**
- Heavy duty, oversized

| Wire Diameter | Part # |
|---|---|
| .058 | AKSP1 |
| .091 | AKSP25 |

## Synthetic Lanyard



**Features**
- Synthetic cord
- Same size for all coupling sizes

| Part # | Pkg Qty |
|---|---|
| ACL8 | 25 |

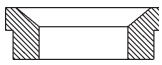
## 2-Lug Washers



AWR4



AWS6



**Features**
- 2-lug couplings use the same size washer, part number's AWR4, AWS6
- Neoprene is oil resistant

**Specifications**
- Rubber temperature range: **-20°F** to **160°F (-29°C** to **71°C)**
- Neoprene temperature range: **-20°F** to **190°F (-29°C** to **88°C)**

| Style | Rubber Part # | Neoprene Part # | Pkg Qty |
|---|---|---|---|
| 2 lug | AWR4[1] | AWS6 | 50 |

[1] Made from styrene-butadiene (SBR)

## 4-Lug Washer



**Features**
- 4-lug couplings use the same size washer, part number AWR14

**Specifications**
- Rubber temperature range: **-20°F** to **160°F (-29°C** to **71°C)**

| Style | Rubber Part # |
|---|---|
| 4 lug | AWR14 |

# Sand Blast Couplings

### Features
- Designed for use on sand blast hose
- Supplied with screws
- Nozzle holders have 1-1/4" NPSM thread
- Abrasive blasting equipment must have hose safety cables (page 261) or hose coupling safety locks installed to read safety clips

### Specification
- Pressure: **110 PSI** at ambient temperature **70°F (21°C)**

### Installation
1) Ends of hose must be cut square to fit snug against metal end
2) Holding hose tight to end of fitting, insert screws and turn in full, putting screw 180° from first to ensure best centering
3) After all screws have been placed, check tube opposite screws to be sure screws have not penetrated completely through
4) On quick couplings, insert safety clips



## Hose Ends

| Hose Size | Hose O.D. | Brass Part # | Aluminum Part # |
|---|---|---|---|
| 3/4" | 1-1/2" | BSB75 | ASB75 |
| 1" | 1-7/8" | BSB100 | ASB100 |
| 1-1/4" | 2-5/32" | BSB125 | ASB125 |
| 1-1/2" | 2-3/8" | BSB150 | ASB150 |



## Nozzle Holders

| Hose Size | Hose O.D. | Brass Part # | Aluminum Part # |
|---|---|---|---|
| 3/4" | 1-1/2" | BNH75 | ANH75 |
| 1" | 1-7/8" | BNH100 | ANH100 |
| 1-1/4" | 2-5/32" | BNH125 | ANH125 |
| 1-1/2" | 2-3/8" | BNH150 | ANH150 |



## Female Threaded Ends

| Hose Size | Brass Part # | Aluminum Part # |
|---|---|---|
| 1-1/4" | BSC125 | ASC125 |
| 1-1/2" | BSC150 | ASC150 |

NOTE: Does not include screws



## Replacement Parts

| Description | Part # |
|---|---|
| black nitrile replacement gasket | SBG |
| urethane replacement gasket | USBG |
| replacement screws for sand blast couplings (sold in package quantity of 8 only) | SBCS |



black nitrile



## Sure-Lock™ Couplings

### Applications
- Coupling for air only, commonly used in construction and mining; excels in services where ease, economy, safety, and speed are paramount

### Features
- Pressure-activated gasket allows for easy coupling (less than 15 lbs. of force is required to connect the coupling gaskets seal upon introduction of line pressure)
- Safety pin is supplied with each coupling and is required as a safety precaution

### Materials
- Body: SG iron AS1831 400-250-12
- Bellow seal: natural rubber (patent pending), other seal material available upon request

### Specification
- Working pressure: **200 PSI** at ambient temperature **70°F (21°C)**



### Hose Ends

| Head | Size | Part# | Optional Qty |
|---|---|---|---|
| small | 3/8" | SL038H | 50 |
| | 1/2" | SL050H | 50 |
| | 3/4" | SL075H | 50 |
| | 1" | SL100H | 50 |
| medium | 1-1/2" | SL150H | 15 |
| | 2" | SL200H | 10 |



### Male NPT Ends

| Head | Size | Part# | Optional Qty |
|---|---|---|---|
| small | 3/8" | SL038M | 50 |
| | 1/2" | SL050M | 50 |
| | 3/4" | SL075M | 50 |
| | 1" | SL100M | 50 |
| medium | 1-1/2" | SL150M | 15 |
| | 2" | SL200M | 15 |



### Female NPT Ends

| Head | Size | Part# | Optional Qty |
|---|---|---|---|
| small | 3/8 | SL038F | 50 |
| | 1/2" | SL050F | 50 |
| | 3/4" | SL075F | 50 |
| | 1" | SL100F | 50 |
| medium | 1-1/2" | SL150F | 15 |
| | 2" | SL200F | 15 |

### Hose End with Ferrules



### Features
- Design provides quick, easy, and effective coupling of air hose
- Interlocking ferrule can be crimped or swaged to achieve maximum coupling sealing and retention with a low-profile streamline appearance, visit dixonvalve.com for crimp recommendations
- Dixon® recommends that all hose assemblies be tested in accordance with ARPM testing procedures
- For air service only

### Specification
- Working pressure: **200 PSI** at ambient temperature **70°F (21°C)**

| Head | Size | Hose O.D. | | Part # |
|---|---|---|---|---|
| | | From | To | |
| small | 1/2" | 1/2" | 1-1/32" | SL050CR |
| | 3/4" | 3/4" | 1-11/32" | SL075CR |

# Sure-Lock™ Couplings

## Blank Ends

| Head | Size | Part # | Optional Qty |
|---|---|---|---|
| small | 1/2" to 1" | SL00 | 15 |
| medium | 1-1/2" to 2" | SL01[1] | 3 |

[1] Medium blank end comes with 1" NPT pipe plug



Small blank end



Medium blank end [1]



## Three Way Connectors

| Head | Size | Part # | Optional Qty |
|---|---|---|---|
| small | 1/2" to 1" | SL09 | 15 |
| medium | 1-1/2" to 2" | SL10[1] | 3 |

[1] Medium three way connector comes with 1" NPT pipe plug



Small three way connector



Medium three way connector [1]

## Safety Locking Pin

The use of a safety locking pin is necessary to ensure that Sure-Lock couplings will not become accidentally disconnected. This guarantees that the fittings are properly connected as the pin will not go through the holes in both couplings until the couplings are locked into place.

| Part # | Optional Qty |
|---|---|
| SLP1 | 25 |



## Replacement Seals

| Head | Size | Part # |
|---|---|---|
| small | 1/2" to 1" | SLR1 |
| medium | 1-1/2" to 2" | SLR2 |



Medium

E

## Dix-Lock® N-Series Interchange Pneumatic Couplings

### Features
- Bowes Interchange Bayonet Style
- Interchangeable with Bowes 51000-Series, National Series 'B', MacDonald Quick-Action, Campbell Single-Lock

### Specifications
- Temperature range: **-40°F** to **250°F (-40°C** to **121°C)**
- Pressure rating: **300 PSI** in brass, **500 PSI** in steel and 303 stainless steel at ambient temperature **70°C (21°C)**
- Conforms to MIL-C-3486 and A-A-50431A standards

It is important to be safe when installing quick disconnect couplings into a pneumatic circuit. Never install a pneumatic coupling directly into an air tool, use a piece of hose that is at least 18" long, between the tool and the coupling, to prevent damage to the coupling. To protect the operator, safety devices, such as a safety check valve and safety cable should be installed in case there is a hose or coupling failure. For safety cables and check valves see pages 261, 270, and 910.


Brass


Steel


303/316 stainless

### Female Head x Female Threaded End Couplers

| Body Size | Threads | Brass Part # | Steel Part # | 303 Stainless Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/2" | 3/8"-18 NPTF | 4NF3-B | 4NF3 | --- | --- |
| | 3/8"-19 BSPP | --- | 4NBF3 | --- | --- |
| | 1/2"-14 NPTF | 4NF4-B | 4NF4 | --- | --- |
| | 1/2"-14 BSPP | 4NBF4-B | 4NBF4 | --- | --- |
| | 3/4"-14 NPTF | 4NF6-B | 4NF6 | 4NF6-S | 4NF6-SS |
| | 3/4"-14 BSPP | 4NBF6-B | 4NBF6 | --- | --- |
| | 1"-11-1/2 NPTF | 4NF8-B | 4NF8 | --- | 4NF8-SS |
| | 1"-11 BSPP | 4NBF8-B | 4NBF8 | --- | --- |


Brass


Steel


303/316 stainless

### Male Head x Female Threaded End Plugs

| Body Size | Threads | Brass Part # | Steel Part # | 303 Stainless Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/2" | 3/8"-18 NPTF | N4F3-B | N4F3 | --- | --- |
| | 3/8"-19 BSPP | --- | N4BF3 | --- | --- |
| | 1/2"-14 NPTF | N4F4-B | N4F4 | --- | --- |
| | 1/2"-14 BSPP | N4BF4-B | N4BF4 | --- | --- |
| | 3/4"-14 NPTF | N4F6-B | N4F6 | N4F6-S | N4F6-SS |
| | 3/4"-14 BSPP | N4BF6-B | N4BF6 | --- | --- |
| | 1"-11-1/2 NPTF | N4F8-B | N4F8 | --- | N4F8-SS |
| | 1"-11 BSPP | N4BF8-B | N4BF8 | --- | --- |



### Male Head x Female Threaded End Safety Lock Plugs

| Body Size | Threads | Brass Part # |
|---|---|---|
| 1/2" | 1/2" - 14 NPTF | N4F4-B-LS |
| | 3/4" - 14 NPTF | N4F6-B-LS |

# Dix-Lock® N-Series Interchange Pneumatic Couplings

## Female Head x Male Threaded End Couplers

| Body Size | Threads | Brass Part # | Steel Part # | 303 Stainless Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|---|
| 3/8" | 1/2" - 14 NPTF | --- | 3NM4 | --- | --- |
| | 1/2" - 14 BSPT | --- | 3NBM4 | --- | --- |
| 1/2" | 3/8" - 18 NPTF | 4NM3-B | 4NM3 | --- | --- |
| | 3/8" - 19 BSPT | --- | 4NBM3 | --- | --- |
| | 1/2" - 14 NPTF | 4NM4-B | 4NM4 | --- | --- |
| | 1/2" - 14 BSPT | 4NBM4-B | 4NBM4 | --- | --- |
| | 3/4" - 14 NPTF | 4NM6-B | 4NM6 | 4NM6-S | 4NM6-SS |
| | 3/4" - 14 BSPT | 4NBM6-B | 4NBM6 | --- | --- |
| | 1" -11-1/2 NPTF | 4NM8-B | 4NM8 | --- | 4NM8-SS |
| | 1" - 11 BSPT | 4NBM8-B | 4NBM8 | --- | --- |


Brass


Steel


303/316 stainless

## Male Head x Male Threaded End Plugs

| Body Size | Threads | Brass Part # | Steel Part # | 303 Stainless Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|---|
| 3/8" | 1/2"-14 NPTF | --- | N3M4 | --- | --- |
| | 1/2"-14 BSPT | --- | N3BM4 | --- | --- |
| 1/2" | 3/8"-18 NPTF | N4M3-B | N4M3 | --- | --- |
| | 3/8"-19 BSPT | --- | N4BM3 | --- | --- |
| | 1/2"-14 NPTF | N4M4-B | N4M4 | --- | --- |
| | 1/2"-14 BSPT | N4BM4-B | N4BM4 | --- | --- |
| | 3/4"-14 NPTF | N4M6-B | N4M6 | N4M6-S | N4M6-SS |
| | 3/4"-14 BSPT | N4BM6-B | N4BM6 | --- | --- |
| | 1"-11-1/2 NPTF | N4M8-B | N4M8 | --- | N4M8-SS |
| | 1"-11 BSPT | N4BM8-B | N4BM8 | --- | --- |


Brass


Steel


303/316 stainless

## Male Head x Male Threaded Safety Lock End Plugs

| Body Size | Threads | Brass Part # | Steel Part # | 303 Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | 1/2"-14 NPTF | N4M4-B-LS | N4M4-LS | --- |
| | 1/2"-14 BSPT | --- | N4BM4-LS | --- |
| | 3/4"-14 NPTF | N4M6-B-LS | N4M6-LS | N4M6-S-LS |
| | 3/4"-14 BSPT | --- | N4BM6-LS | --- |


Brass

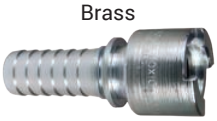

Steel


303 stainless

## Female Head x Standard Hose Barb Couplers

| Body Size | Hose I.D. | Brass Part # | Steel Part # | 303 Stainless Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|---|
| 3/8" | 1/2" | --- | 3NCS4 | --- | --- |
| 1/2" | 3/8" | 4NS3-B | 4NS3 | --- | --- |
| | 1/2" | 4NS4-B | 4NS4 | --- | --- |
| | 3/4" | 4NS6-B | 4NS6 | 4NS6-S | 4NS6-SS |
| | 1" | 4NS8-B | 4NS8 | 4NS8-S | 4NS8-SS |


Brass


Steel





GOODYEAR RUBBER PRODUCTS, INC.
727-342-5088
You can also email us at GRP@goodyearrubberproducts.com

# Dix-Lock® N-Series Interchange Pneumatic Couplings





Brass



Steel



303/316 stainless

## Male End x Hose Barb Plugs

| Body Size | Hose I.D. | Brass Part # | Steel Part # | 303 Stainless Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|---|
| 3/8" | 1/2" | --- | N3CS4 | --- | --- |
| 1/2" | 3/8" | N4S3-B | N4S3 | --- | --- |
| | 1/2" | N4S4-B | N4S4 | --- | --- |
| | 3/4" | N4S6-B | N4S6 | N4S6-S | N4S6-SS |
| | 1" | N4S8-B | N4S8 | N4S8-S | N4S8-SS |



Brass



Steel



303 stainless

## Male End x Hose Barb Safety Lock Plugs

| Body Size | Hose I.D. | Brass Part # | Steel Part # | 303 Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | 1/2" | N4S4-B-LS | N4S4-LS | --- |
| | 3/4" | N4S6-B-LS | N4S6-LS | N4S6-S-LS |



## Gender Change Union

| Body Size | Configuration | Steel Part # |
|---|---|---|
| 1/2" | coupler to coupler | 4N4N |



## Caps

| Body Size | Cap Lanyard | Brass Part # | Steel Part # |
|---|---|---|---|
| 1/2" | steel cable | N4DC-B | N4DC |



## Seals

| Body Size | Coupler Style | Nitrile Part # | FKM Part # |
|---|---|---|---|
| 3/8" | all | 3N-SKIT | --- |
| 1/2" | all | 4N-SKIT | F-4N-SKIT |

# Dix-Lock® N-Series Interchange Pneumatic Coupler with Ferrule



### Features
- For crimp recommendations visit dixonvalve.com
- Also available in stainless steel. Contact Dixon® for further information.

### Materials
- Machined components are manufactured using solid steel, brass, or 303 stainless steel bar stock
- Stainless steel retaining ring and spring maximize corrosion resistance and extend service life
- Steel componentry is plated using RoHS-compliant trivalent chrome

### Specification
- Working pressure: **300 PSI** at ambient temperature **70°F (21°C)**

### Interchange Data
- Bowes Interchange Bayonet Style
- Interchangeable with Bowes 51000-Series, National Series 'B', MacDonald Quick-Action, Campbell Single-Lock

### Seal Components
- Nitrile rubber pneumatically energized seals are standard, temperature range **-40°F** to **250°F** (**-40°C** to **121°C**)

## Female Head with Ferrule

| Body Size | Hose I.D. | Hose O.D. From: | Hose O.D. To: | Plated Steel Part # | Brass Part # |
|---|---|---|---|---|---|
| 1/2" | 1/2" | 54/64" | 1-2/64" | 4NS4-WF | 4NS4-B-WF |
| | 3/4" | 1-10/64" | 1-22/64" | 4NS6-WF | 4NS6-B-WF |



## Male Head with Ferrule

| Body Size | Hose I.D. | Hose O.D. From: | Hose O.D. To: | Plated Steel Part # | Brass Part # |
|---|---|---|---|---|---|
| 1/2" | 1/2" | 54/64" | 1-2/64" | N4S4-WF | N4S4-B-WF |
| | 3/4" | 1-10/64" | 1-22/64" | N4S6-WF | N4S6-B-WF |



## Male Locking Head with Ferrule

| Body Size | Hose I.D. | Hose O.D. From: | Hose O.D. To: | Plated Steel Part # | Brass Part # |
|---|---|---|---|---|---|
| 1/2" | 1/2" | 54/64" | 1-2/64" | N4S4-LS-WF | N4S4-B-LS-WF |
| | 3/4" | 1-10/64" | 1-22/64" | N4S6-LS-WF | N4S6-B-LS-WF |



## Dual-Lock P-Series Pneumatic Couplings

### Features
- Interchanges with National A type, Campbell Double-Lock, and Thor PHC series couplings
- Spring-loaded interlocking engagement
- Optional locking key prevents sleeve retraction
- Steel componentry is plated using RoHS-compliant trivalent chrome

### Specifications
- Working pressure: **300 PSI** at ambient temperature **70°F (21°C)**
- Nitrile rubber seals are standard temperature range **-40°F** to **250°F (-40°C** to **121°C)**




brass


steel


303 stainless

### Female Thread Couplers

| Body Size | Threads | Brass Part # | Steel Part # | 303 Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | 1/2" - 14 NPTF | --- | 4PF4 | --- |
| | 3/4" - 14 NPTF | 4PF6-B | 4PF6 | 4PF6-S |


brass


steel


303 stainless

### Female Thread Plugs

| Body Size | Threads | Brass Part # | Steel Part # | 303 Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | 3/8"-18 NPTF | --- | P4F3 | --- |
| | 1/2"-14 NPTF | P4F4-B | P4F4 | --- |
| | 3/4"-14 NPTF | P4F6-B | P4F6 | P4F6-S |
| | 3/4"-14 NPTF | --- | P4F6-9 [1] | --- |
| | 1"-11-1/2 NPTF | P4F8-B | P4F8 | --- |


steel


303 stainless

### Male Thread Couplers

| Body Size | Threads | Steel Part # | 303 Stainless Steel Part # |
|---|---|---|---|
| 1/2" | 3/8"-18 NPTF | 4PM3 | --- |
| | 1/2"-14 NPTF | 4PM4 | --- |
| | 3/4"-14 NPTF | 4PM6 | 4PM6-S |
| | 3/4"-14 NPTF | 4PM6-9[1] | --- |
| | 1"-11-1/2 NPTF | 4PM8 | --- |

[1] Steel/PTFE coating

DIXON
The Right Connection®

# Dual-Lock P-Series Pneumatic Couplings

## Male Thread Plugs

| Body Size | Threads | Brass Part # | Steel Part # | 303 Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | 3/8"-18 NPTF | --- | P4M3 | --- |
| | 1/2-14 NPTF | P4M4-B | P4M4 | --- |
| | 3/4"-14 NPTF | P4M6-B | P4M6 | P4M6-S |
| | 3/4"-14 NPTF | --- | P4M6-9[1] | --- |
| | 1"-11-1/2 NPTF | P4M8-B | P4M8 | --- |

[1] Steel/PTFE coating


Brass


Steel


303 stainless

E

## Hose Barb Couplers

| Body Size | Hose I.D. | Brass Part # | Steel Part # | 303 Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | 3/8" | --- | 4PS3 | --- |
| | 1/2" | 4PS4-B | 4PS4 | --- |
| | 3/4" | 4PS6-B | 4PS6 | 4PS6-S |
| | 3/4" | --- | 4PS6-9[1] | --- |
| | 1" | 4PS8-B | 4PS8 | --- |

[1] Steel/PTFE coating


Brass


Steel


303 stainless

## Hose Barb Coupler with Knurled Flanged Sleeves

**Feature**
- Large, raised collar sleeve permits easier handling when wearing gloves

| Body Size | Hose I.D. | Trivalent Chrome Plated Steel Part # |
|---|---|---|
| 1/2" | 3/8" | 4PS3-FS |
| | 1/2" | 4PS4-FS |
| | 3/4" | 4PS6-FS |



## Male Thread Coupler with Knurled Flanged Sleeves

| Body Size | Threads | Trivalent Chrome Plated Steel Part # |
|---|---|---|
| 1/2" | 3/8"-18 NPTF | 4PM3-FS |
| | 1/2"-14 NPTF | 4PM4-FS |
| | 3/4"-14 NPTF | 4PM6-FS |



## Female Thread Couplers with Knurled Flanged Sleeves

| Body Size | Threads | Trivalent Chrome Plated Steel Part # |
|---|---|---|
| 1/2" | 1/2"-14 NPTF | 4PF4-FS |



# Dual-Lock P-Series Pneumatic Couplings



## Couplers with Ferrule



| Body Size | Hose I.D. | Hose O.D. | | Trivalent Chrome Plated Steel Part # |
|---|---|---|---|---|
| | | From: | To: | |
| 1/2" | 1/2" | 54/64" | 1-2/64" | 4PS4-WF |
| | 3/4" | 1-10/64" | 1-22/64" | 4PS6-WF |

## Replacement Seals



| Body Size | Coupler Style | Nitrile Part # | FKM Part # |
|---|---|---|---|
| 1/2" | all | 4P-SKIT | F-4P-SKIT |

## Locking Key



**Feature**

- Fits couplings with locking sleeve

| Body Size | Coupler Style | Steel Part # |
|---|---|---|
| 1/2" | all | 4P-CLIP |

# DF-Series Industrial Pneumatic Couplings

### Features

- Interchanges with other industrial interchange designs
- Interchanges with the MIL-C-4109, A-A 59439, and ISO6150B standards
- Parker 20-series manual interchange (F-series)
- Parker 30-series automatic interchange (D-series)
- Foster 3, 4, 5, and 6 series
- Hansen 1000, 400, and 500 (F-series)
- Hansen 3000, 4000, 5000, and 6000 (D-series)

### Specifications

- Pressure ratings: brass coupler / steel plug: **500 PSI**, brass coupler / brass plug: **300 PSI**, steel coupler / steel plug: **500 PSI**, 303 stainless steel coupler / 303 stainless steel plug: **500 PSI**
- Temperature range: **-40°F** to **250°F (-40°C** to **121°C)**

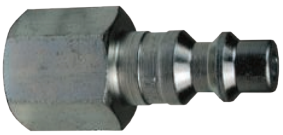
It is important to be safe when installing quick disconnect couplings into a pneumatic circuit. Never install a pneumatic coupling directly into an air tool. Use a piece of hose that is at least 18" long, between the tool and the coupling, to prevent damage to the coupling. To protect the operator, safety devices, such as a safety check valve and safety cable should be installed in case there is a hose or coupling failure. For safety check valves and cables see pages 270 and 910.

## Female Threaded Plugs

| Body Size | Threads | Brass Part # | Steel Part # | 303 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/8" - 27 NPTF | --- | D2F1 | --- |
| | 1/4" - 18 NPTF | D2F2-B | D2F2 | D2F2-S |
| | 1/4" - 19 BSPP | --- | D2BF2 | --- |
| | 3/8" - 18 NPTF | D2F3-B | D2F3 | D2F3-S |
| | 3/8" - 19 BSPP | --- | D2BF3 | --- |
| 3/8" | 1/4" - 18 NPTF | --- | D3F2 | --- |
| | 3/8" - 18 NPTF | D3F3-B | D3F3 | D3F3-S |
| | 3/8" - 19 BSPP | --- | D3BF3 | --- |
| | 1/2" - 14 NPTF | --- | D3F4 | --- |
| 1/2" | 3/8" - 18 NPTF | --- | D4F3 | --- |
| | 1/2" - 14 NPTF | D4F4-B | D4F4 | D4F4-S |
| | 1/2" - 14 BSPP | --- | D4BF4 | --- |
| | 3/4" - 14 NPTF | D4F6-B | D4F6 | --- |
| 3/4" | 1/2" - 14 NPTF | --- | D6F4 | --- |
| | 3/4" - 14 NPTF | --- | D6F6 | --- |
| | 1" - 11-1/2 NPTF | --- | D6F8 | --- |



Brass



Steel



303 Stainless

## Male Threaded Plugs

| Body Size | Threads | Brass Part # | Steel Part # | 303 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/8" - 27 NPTF | D2M1-B | D2M1 | D2M1-S |
| | 1/4" - 18 NPTF | D2M2-B | D2M2 | D2M2-S |
| | 1/4" - 19 BSPT | --- | D2BM2 | --- |
| | 3/8" - 18 NPTF | D2M3-B | D2M3 | D2M3-S |
| | 3/8" - 19 BSPT | --- | D2BM3 | --- |
| 3/8" | 1/4" - 18 NPTF | --- | D3M2 | --- |
| | 3/8" - 18 NPTF | D3M3-B | D3M3 | D3M3-S |
| | 3/8" - 19 BSPT | --- | D3BM3 | --- |
| | 1/2" - 14 NPTF | --- | D3M4 | --- |
| 1/2" | 1/4" - 18 NPTF | --- | D4M2 | --- |
| | 3/8" - 18 NPTF | --- | D4M3 | --- |
| | 1/2" - 14 NPTF | D4M4-B | D4M4 | D4M4-S |
| | 1/2" - 14 BSPT | --- | D4BM4 | --- |
| | 3/4" - 14 NPTF | D4M6-B | D4M6 | --- |
| | 1/2" - 14 NPTF | --- | D6M4 | --- |



Brass



Steel



# DF-Series Industrial Pneumatic Couplings

## Standard Hose Barb Plugs



Brass



Steel



303 stainless

| Body Size | Hose I.D. | Brass Part # | Steel Part # | 303 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/4" | D2S2-B | D2S2 | D2S2-S |
| | 5/16" | --- | D2S2.5 | --- |
| | 3/8" | D2S3-B | D2S3 | D2S3-S |
| 3/8" | 1/4" | --- | D3S2 | --- |
| | 3/8" | D3S3-B | D3S3 | D3S3-S |
| | 1/2" | --- | D3S4 | --- |
| 1/2" | 3/8" | D4S3-B | D4S3 | --- |
| | 1/2" | D4S4-B | D4S4 | D4S4-S |
| | 3/4" | D4S6-B | D4S6 | --- |
| 3/4" | 1/2" | --- | D6S4 | --- |
| | 3/4" | --- | D6S6 | --- |
| | 1" | --- | D6S8 | --- |

## Automatic Female Threaded Couplers



Brass



303 stainless

| Body Size | Threads | Steel Part # | 303 Stainless Steel Part # |
|---|---|---|---|
| 1/4" | 1/8" - 27 NPTF | 2DF1-B | --- |
| | 1/4" - 18 NPTF | 2DF2-B | 2DF2-S |
| | 1/4" - 19 BSPP | 2DBF2-B | --- |
| | 3/8" - 18 NPTF | 2DF3-B | 2DF3-S |
| | 3/8" - 19 BSPP | 2DBF3-B | --- |
| 3/8" | 1/4" - 18 NPTF | 3DF2-B | --- |
| | 3/8" - 18 NPTF | 3DF3-B | 3DF3-S |
| | 3/8" - 19 BSPP | 3DBF3-B | --- |
| | 1/2" - 14 NPTF | 3DF4-B | --- |
| 1/2" | 3/8" - 18 NPTF | 4DF3-B | --- |
| | 1/2" - 14 NPTF | 4DF4-B | 4DF4-S |
| | 1/2" - 14 BSPP | 4DBF4-B | --- |
| | 3/4" - 14 NPTF | 4DF6-B | --- |
| 3/4" | 1/2" - 14 NPTF | 6DF4-B | --- |
| | 3/4" - 14 NPTF | 6DF6-B | --- |
| | 1" - 11-1/2 NPTF | 6DF8-B | --- |

## Manual Female Threaded Couplers



Brass



Steel



| Body Size | Threads | Brass Part # | Steel Part # | 303 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/8" - 27 NPTF | 2FF1-B | --- | --- |
| | 1/8" - 28 BSPP | 2FBF1-B | --- | --- |
| | 1/4" - 18 NPTF | 2FF2-B | 2FF2 | 2FF2-S |
| | 1/4" - 19 BSPP | 2FBF2-B | --- | --- |
| | 3/8" - 18 NPTF | 2FF3-B | --- | 2FF3-S |
| | 3/8" - 19 BSPP | 2FBF3-B | --- | --- |
| 3/8" | 1/4" - 18 NPTF | --- | 3FF2 | --- |
| | 3/8" - 18 NPTF | --- | 3FF3 | 3FF3-S |
| | 3/8" - 19 BSPP | --- | 3FBF3 | --- |
| | 1/2" - 14 NPTF | --- | 3FF4 | --- |
| 1/2" | 3/8" - 18 NPTF | --- | 4FF3 | --- |
| | 1/2" - 14 NPTF | --- | 4FF4 | 4FF4-S |
| | 1/2" - 14 BSPP | --- | 4FBF4 | --- |
| | 3/4" - 14 NPTF | --- | 4FF6 | --- |

# DF-Series Industrial Pneumatic Couplings

## Automatic Male Threaded Couplers

| Body Size | Threads | Brass Part # | 303 Stainless Steel Part # |
|---|---|---|---|
| 1/4" | 1/8" - 27 NPTF | 2DM1-B | --- |
| | 1/4" - 18 NPTF | 2DM2-B | 2DM2-S |
| | 1/4" - 19 BSPT | 2DBM2-B | --- |
| | 3/8" - 18 NPTF | 2DM3-B | 2DM3-S |
| | 3/8" - 19 BSPT | 2DBM3-B | --- |
| 3/8" | 1/4" - 18 NPTF | 3DM2-B | --- |
| | 3/8" - 18 NPTF | 3DM3-B | 3DM3-S |
| | 3/8" - 19 BSPT | 3DBM3-B | --- |
| | 1/2" - 14 NPTF | 3DM4-B | --- |
| 1/2" | 3/8" - 18 NPTF | 4DM3-B | --- |
| | 1/2" - 14 NPTF | 4DM4-B | 4DM4-S |
| | 1/2" - 14 BSPT | 4DBM4-B | --- |
| | 3/4" - 14 NPTF | 4DM6-B | --- |
| 3/4" | 1/2" - 14 NPTF | 6DM4-B | --- |
| | 3/4" - 14 NPTF | 6DM6-B | --- |
| | 1" - 11-1/2 NPTF | 6DM8-B | --- |



Brass



303 stainless

E

## Manual Male Threaded Couplers

| Body Size | Threads | Brass Part # | Steel Part # | 303 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/8" - 27 NPTF | 2FM1-B | --- | 2FM1-S |
| | 1/4" - 18 NPTF | 2FM2-B | 2FM2 | 2FM2-S |
| | 1/4" - 19 BSPT | 2FBM2-B | --- | --- |
| | 3/8" - 18 NPTF | 2FM3-B | --- | 2FM3-S |
| | 3/8" - 19 BSPT | 2FBM3-B | --- | --- |
| 3/8" | 1/4" - 18 NPTF | --- | 3FM2 | --- |
| | 3/8" - 18 NPTF | --- | 3FM3 | 3FM3-S |
| | 3/8" - 19 BSPT | --- | 3FBM3 | --- |
| | 1/2" - 14 NPTF | --- | 3FM4 | --- |
| 1/2" | 3/8" - 18 NPTF | --- | 4FM3 | --- |
| | 1/2" - 14 NPTF | --- | 4FM4 | 4FM4-S |
| | 1/2" - 14 BSPT | --- | 4FBM4 | --- |
| | 3/4" - 14 NPTF | --- | 4FM6 | --- |



Brass



Steel



303 stainless

# DF-Series Industrial Pneumatic Couplings

## Automatic Standard Hose Barb Couplers



Brass



303 stainless

| Body Size | Hose I.D. | Brass Part # | 303 Stainless Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" | 2DS2-B | 2DS2-S |
| | 3/8" | 2DS3-B | 2DS3-S |
| 3/8" | 1/4" | 3DS2-B | --- |
| | 3/8" | 3DS3-B | 3DS3-S |
| | 1/2" | 3DS4-B | --- |
| 1/2" | 3/8" | 4DS3-B | --- |
| | 1/2" | 4DS4-B | 4DS4-S |
| | 3/4" | 4DS6-B | --- |
| 3/4" | 1/2" | 6DS4-B | --- |
| | 3/4" | 6DS6-B | --- |
| | 1" | 6DS8-B | --- |

## Manual Standard Hose Barb Couplers



Brass



Steel



303 stainless

| Body Size | Hose I.D. | Brass Part # | Steel Part # | 303 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/4" | 2FS2-B | 2FS2 | 2FS2-S |
| | 5/16" | 2FS2.5-B | --- | --- |
| | 3/8" | 2FS3-B | --- | 2FS3-S |
| 3/8" | 1/4" | --- | 3FS2 | --- |
| | 3/8" | --- | 3FS3 | 3FS3-S |
| | 1/2" | --- | 3FS4 | --- |
| 1/2" | 3/8" | --- | 4FS3 | --- |
| | 1/2" | --- | 4FS4 | 4FS4-S |
| | 3/4" | --- | 4FS6 | --- |

# DF-Series Industrial Pneumatic Couplings

## Automatic Push-Loc Barb Couplers

| Body Size | Hose I.D. | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | 2DB2-B |
| | 3/8" | 2DB3-B |
| 3/8" | 3/8" | 3DB3-B |
| 1/2" | 1/2" | 4DB4-B |



## Manual Push-Loc Barb Couplers

| Body Size | Hose I.D. | Brass Part # | Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" | 2FB2-B | --- |
| | 3/8' | 2FB3-B | --- |
| 3/8" | 1/4" | --- | 3FB2 |
| | 3/8" | --- | 3FB3 |
| | 1/2" | --- | 3FB4 |
| 1/2" | 3/8" | --- | 4FB3 |
| | 1/2" | --- | 4FB4 |



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## Push-Loc Hose Barb Plugs

| Body Size | Hose I.D. | Brass Part # | Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" | D2B2-B | D2B2 |
| | 3/8" | --- | D2B3 |
| 3/8" | 1/4" | --- | D3B2 |
| | 3/4" | --- | D3B3 |
| | 1/2" | --- | D3B4 |
| 1/2" | 1/2" | --- | D4B4 |
| 3/4" | 3/4" | --- | D6B6 |



Brass



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## Automatic Reusable Barb Couplers

| Body Size | Hose I.D. X O.D. | Brass Part # |
|---|---|---|
| 1/4" | 1/4" x 1/2" | 2DE2-B |
| | 1/4" x 5/8" | 2DH2-B |
| | 3/8" x 11/16" | 2DK3-B |
| | 3/8" x 3/4" | 2DL3-B |

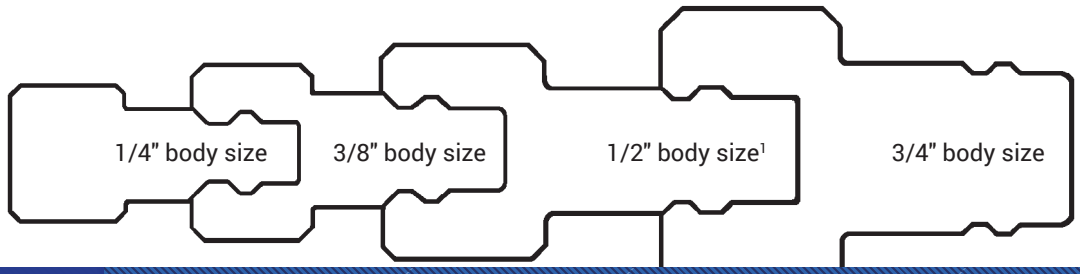


## Reusable Barb Plugs

| Body Size | Hose I.D. X O.D. | Steel Part # |
|---|---|---|
| 1/4" | 1/4" x 1/2" | D2E2 |
| | 1/4" x 5/8" | D2H2 |
| | 3/8" x 11/16" | D2K3 |
| | 3/8" x 3/4" | D2L3 |



# DF-Series Actual Size Profile Charts



E

## J-Series Automotive Pneumatic Couplings

**Feature**
- Interchanges with other Tru-Flate automotive designs

**Specifications**
- Pressure rating: brass coupler/steel plug and steel coupler/steel plug: **500 PSI**, brass coupler/brass plug: **300 PSI**
- Temperature range: **-40°F** to **250°F (-40°C** to **121°C)**

Operating pressure for couplings utilizing hose barb end connections may be dramatically reduced to that of the hose rating and/or hose end connection combination. Consult hose manufacturer's catalog for hose end connection ratings. If in doubt, test under controlled conditions for suitability to application. Dixon® cannot assume liability for misapplication of production resulting in equipment downtime, lost production, and/or personal injury including death.



Brass



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### Female Threaded Plugs

| Body Size | Threads | Brass Part # | Steel Part # |
|---|---|---|---|
| 1/4" | 1/8" - 27 NPTF | --- | J2F1 |
| | 1/4" - 18 NPTF | J2F2-B | J2F2 |
| | 3/8" - 18 NPTF | --- | J2F3 |
| 3/8" | 1/4" - 18 NPTF | --- | J3F2 |
| | 3/8" - 18 NPTF | --- | J3F3 |
| | 1/2" - 14 NPTF | --- | J3F4 |
| 1/2" | 3/8" - 18 NPTF | --- | J4F3 |
| | 1/2" - 14 NPTF | --- | J4F4 |
| | 3/4" - 14 NPTF | --- | J4F6 |



Brass



Steel

### Male Threaded Plugs

| Body Size | Threads | Brass Part # | Steel Part # |
|---|---|---|---|
| 1/4" | 1/8" - 27 NPTF | --- | J2M1 |
| | 1/4" - 18 NPTF | J2M2-B | J2M2 |
| | 3/8" - 18 NPTF | --- | J2M3 |
| 3/8" | 1/4" - 18 NPTF | --- | J3M2 |
| | 3/8" - 18 NPTF | --- | J3M3 |
| | 1/2" - 14 NPTF | --- | J3M4 |
| 1/2" | 3/8" - 18 NPTF | --- | J4M3 |
| | 1/2" - 14 NPTF | --- | J4M4 |
| | 3/4" - 14 NPTF | --- | J4M6 |



### Standard Hose Barb Plugs

| Body Size | Hose I.D. | Steel Part # |
|---|---|---|
| 1/4" | 1/4" | J2S2 |
| | 3/8" | J2S3 |
| 3/8" | 1/4" | J3S2 |
| | 3/8" | J3S3 |
| | 1/2" | J3S4 |
| 1/2" | 3/8" | J4S3 |
| | 1/2" | J4S4 |
| | 3/4" | J4S6 |

# J-Series Automotive Pneumatic Couplings

## Female Threaded Couplers

| Body Size | Threads | Brass Part # | Steel Part # |
|---|---|---|---|
| 1/4" | 1/8" - 27 NPTF | 2JF1-B | --- |
| | 1/4" - 18 NPTF | 2JF2-B | --- |
| | 3/8" - 18 NPTF | 2JF3-B | --- |
| 3/8" | 1/4" - 18 NPTF | --- | 3JF2 |
| | 3/8" - 18 NPTF | --- | 3JF3 |
| | 1/2" - 14 NPTF | --- | 3JF4 |



Brass

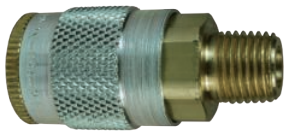


Steel

NOTE: 1/2" body J-Series plugs are used with 1/2" body DF-Series manual couplers on page 198

## Male Threaded Couplers

| Body Size | Threads | Brass Part # | Steel Part # |
|---|---|---|---|
| 1/4" | 1/8" - 27 NPTF | 2JM1-B | --- |
| | 1/4" - 18 NPTF | 2JM2-B | --- |
| | 3/8" - 18 NPTF | 2JM3-B | --- |
| 3/8" | 1/4" - 18 NPTF | --- | 3JM2 |
| | 3/8" - 18 NPTF | --- | 3JM3 |
| | 1/2" - 14 NPTF | --- | 3JM4 |



Brass



Steel

NOTE: 1/2" body J-Series plugs are used with 1/2" body DF-Series manual couplers on page 199

## Standard Hose Barb Couplers

| Body Size | Hose I.D. | Brass Part # | Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" | 2JS2-B | --- |
| | 3/8" | 2JS3-B | --- |
| 3/8" | 1/4" | --- | 3JS2 |
| | 3/8" | --- | 3JS3 |
| | 1/2" | --- | 3JS4 |



Brass

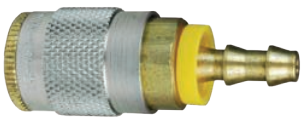


Steel

NOTE: 1/2" body J-Series plugs are used with 1/2" body DF-Series manual couplers on page 200

## Push-Loc Hose Barb Couplers

| Body Size | Hose I.D. | Brass Part # | Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" | 2JB2-B | --- |
| | 3/8" | 2JB3-B | --- |
| 3/8" | 1/4" | --- | 3JB2 |
| | 3/8" | --- | 3JB3 |
| | 1/2" | --- | 3JB4 |



Brass



Steel

NOTE: 1/2" body J-Series plugs are used with 1/2" body DF-Series manual couplers on page 201

## Push-Loc Hose Barb Plugs

| Body Size | Hose I.D. | Steel Part # |
|---|---|---|
| 1/4" | 1/4" | J2B2 |
| | 3/8" | J2B3 |
| 3/8" | 3/8" | J3B3 |





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E

## M-Series ARO Pneumatic Couplings

### Features
- Automatic couplings interchange with ARO 210/310 designs and Hansen Series 210/310
- Manual couplings interchange with Parker 50-Series and Amflo Type 'B'

### Specification
- Pressure rating: **300 PSI** at ambient temperature **70°F (21°C)**
- Temperature range: **-40°F to 250°F (-40°C to 121°C)**

It is important to be safe when installing quick disconnect couplings into a pneumatic circuit. Never install a pneumatic coupling directly into an air tool. Use a piece of hose that is at least 18" long, between the tool and the coupling, to prevent damage to the coupling. To protect the operator, safety devices, such as a safety check valve and safety cable should be installed in case there is a hose or coupling failure. For safety check valves and cables see pages 261, 270, and 910.



Brass



Steel

### Female Threaded Plugs

| Body Size | Threads | Brass Part # | Steel Part # |
|---|---|---|---|
| 1/4" | 1/4"- 18 NPTF | M2F2-B | M2F2 |
| | 3/8"- 18 NPTF | --- | M2F3 |
| 3/8" | 3/8"- 18 NPTF | --- | M3F3 |



Brass



Steel

### Male Threaded Plugs

| Body Size | Threads | Brass Part # | Steel Part # |
|---|---|---|---|
| 1/4" | 1/8" - 27 NPTF | --- | M2M1 |
| | 1/4" - 18 NPTF | M2M2-B | M2M2 |
| | 3/8" - 18 NPTF | --- | M2M3 |
| 3/8" | 3/8" - 18 NPTF | --- | M3M3 |



### Standard Hose Barb Plugs

| Body Size | Hose I.D. | Steel Part # |
|---|---|---|
| 1/4" | 1/4" | M2S2 |
| | 3/8" | M2S3 |
| 3/8" | 3/8" | M3S3 |



### Automatic Female Threaded Couplers

| Body Size | Threads | Steel / Brass Part # |
|---|---|---|
| 1/4" | 1/4"- 18 NPT | 2MF2-PL |
| | 3/8" -18 NPT | 2MF3-PL |
| 3/8" | 3/8" -18 NPT | 3MF3-PL |



### Manual Female Threaded Couplers

| Body Size | Threads | Brass Part # |
|---|---|---|
| 1/4" | 1/4"- 18 NPT | 2MF2-B |
| | 3/8" -18 NPT | 2MF3-B |

# M-Series ARO Pneumatic Couplings

## Automatic Male Threaded Couplers

| Body Size | Threads | Steel / Brass Part # |
|---|---|---|
| 1/4" | 1/4"- 18 NPT | 2MM2-PL |
| | 3/8"- 18 NPT | 2MM3-PL |
| 3/8" | 3/8"- 18 NPT | 3MM3-PL |
| | 1/2" - 14 NPTF | 3MM4-PL |





## Manual Male Threaded Couplers

| Body Size | Threads | Brass Part # |
|---|---|---|
| 1/4" | 1/4"- 18 NPT | 2MM2-B |
| | 3/8"- 18 NPT | 2MM3-B |



## Automatic Standard Hose Barb Couplers

| Body Size | Hose I.D. | Steel / Brass Part # |
|---|---|---|
| 1/4" | 1/4" | 2MS2-PL |
| | 5/16" | 2MS2.5-PL |
| | 3/8" | 2MS3-PL |
| 3/8" | 3/8" | 3MS3-PL |



## Manual Standard Hose Barb Couplers

| Body Size | Hose I.D. | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | 2MS2-B |
| | 3/8" | 2MS3-B |



## Push-Loc Barb Plug

| Body Size | Hose I.D. | Steel Part # |
|---|---|---|
| 1/4" | 1/4" | M2B2 |



## CJ-Series Pneumatic Couplings

### Features

- European high-flow interchange
- 1/4" interchanges with Coilhose Megaflow, CEJN 320, and Rectus 25KA/26KA; 3/8" interchanges with Rectus 27KA and CEJN 410

### Specifications

- Pressure rating: **300 PSI**
- Temperature range: **-40°F to 250°F (-40°C to 112°C)**



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Steel

### Female Threaded Plugs

| Body Size | Threads | Brass Part # | Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" - 18 NPT | CJ2F2-B | CJ2F2-LG |
| | 1/4" - 19 BSPP | CJ2BF2-B | CJ2BF2-LG |
| | 3/8" - 18 NPT | CJ2F3-B | CJ2F3-LG |
| | 3/8" - 19 BSPP | CJ2BF3-B | CJ2BF3-LG |
| 3/8" | 3/8" - 18 NPT | CJ3F3-B | CJ3F3 |
| | 3/8" - 19 BSPP | CJ3BF3-B | CJ3BF3 |
| | 1/2" - 14 NPT | CJ3F4-B | --- |
| | 1/2" - 14 BSPP | CJ3BF4-B | CJ3BF4 |



Brass



Steel

### Male Threaded Plugs

| Body Size | Threads | Brass Part # | Steel Part # |
|---|---|---|---|
| 1/4 | 1/4" - 18 NPT | CJ2M2-B | CJ2M2-LG |
| | 1/4" - 19 BSPT | CJ2BM2-B | CJ2BM2-LG |
| | 3/8" - 18 NPT | CJ2M3-B | CJ2M3-LG |
| | 3/8" - 19 BSPT | CJ2BM3-B | CJ2BM3-LG |
| 3/8" | 3/8" - 18 NPT | CJ3M3-B | CJ3M3 |
| | 3/8" - 19 BSPT | CJ3BM3-B | CJ3BM3 |
| | 1/2" - 14 NPT | CJ3M4-B | CJ3M4 |
| | 1/2" - 14 BSPT | CJ3BM4-B | CJ3BM4 |



### Female Threaded Couplers

| Body Size | Threads | Brass Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPT | 2CJF2-B |
| | 1/4" - 19 BSPP | 2CJBF2-B |
| | 3/8" - 18 NPT | 2CJF3-B |
| | 3/8" - 19 BSPP | 2CJBF3-B |
| 3/8" | 3/8" - 18 NPT | 3CJF3-B |
| | 3/8" - 19 BSPP | 3CJBF3-B |
| | 1/2" - 14 NPT | 3CJF4-B |
| | 1/2" - 14 BSPP | 3CJBF4-B |



### Male Threaded Couplers

| Body Size | Threads | Brass Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPT | 2CJM2-B |
| | 1/4" - 19 BSPT | 2CJBM2-B |
| | 3/8" - 18 NPT | 2CJM3-B |
| | 3/8" - 19 BSPT | 2CJBM3-B |
| 3/8" | 3/8" - 18 NPT | 3CJM3-B |
| | 3/8" - 19 BSPT | 3CJBM3-B |
| | 1/2" - 14 NPT | 3CJM4-B |

# SHD-Series Schrader Pneumatic Couplings

**Feature**
- Interchanges with Parker Twist-Lock, Tomco Series-TL, Foster SHD

**Specifications**
- Pressure rating: **300 PSI**
- Temperature range: **-40°F to 250°F (-40°C to 112°C)**

Operating pressure for couplings utilizing hose barb end connections may be dramatically reduced to that of the hose rating and/or hose end connection combination. Consult hose manufacturer's catalog for hose end connection ratings. If in doubt, test under controlled conditions for suitability to application. Dixon Quick Coupling cannot assume liability for misapplication of production resulting in equipment downtime, lost production, and/or personal injury including death.



## Female Threaded Plugs

| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/4" | 1/8" - 27 NPT | SHD2F1 |
| | 1/4" - 18 NPT | SHD2F2 |
| 1/2" | 3/8" - 18 NPT | SHD4F3 |



## Male Threaded Plugs

| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/4" | 1/8" - 27 NPT | SHD2M1 |
| | 1/4" - 18 NPT | SHD2M2 |
| 1/2" | 3/8" - 18 NPT | SHD4M3 |
| | 1/2" - 14 NPT | SHD4M4 |



## Female Threaded Couplers

| Body Size | Threads | Aluminum Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPT | 2SHDF2 |
| | 3/8" - 18 NPT | 2SHDF3 |
| 1/2" | 3/8" - 18 NPT | 4SHDF3 |
| | 1/2" - 14 NPT | 4SHDF4 |
| | 3/4" - 14 NPT | 4SHDF6 |



## Male Threaded Couplers

| Body Size | Threads | Aluminum Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPT | 2SHDM2 |
| | 3/8" - 18 NPT | 2SHDM3 |
| 1/2" | 3/8" - 18 NPT | 4SHDM3 |
| | 1/2" - 14 NPT | 4SHDM4 |



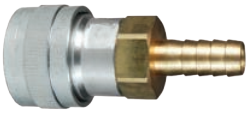
## SHD-Series Schrader Pneumatic Couplings



### Standard Hose Barb Plugs

| Body Size | Hose I.D. | Steel Part # |
|---|---|---|
| 1/4" | 1/4" | SHD2S2 |
| | 3/8" | SHD2S3 |
| 1/2" | 3/8" | SHD4S3 |
| | 1/2" | SHD4S4 |





### Standard Hose Barb Couplers

| Body Size | Hose I.D. | Aluminum Part # |
|---|---|---|
| 1/4" | 1/4" | 2SHDS2 |
| | 3/8" | 2SHDS3 |
| 1/2" | 3/8" | 4SHDS3 |
| | 1/2" | 4SHDS4 |

## L-Series Lincoln Pneumatic Couplings

**Features**
- Lincoln Long-Nose Automotive Interchange
- Interchanges with Parker 70-Series, Tomco Series-1110, Coilhose Type-17

**Specifications**
- Pressure rating: **300 PSI**
- Temperature range: **-40°F to 250°F (-40°C to 112°C)**

It is important to be safe when installing quick disconnect couplings into a pneumatic circuit. Never install a pneumatic coupling directly into an air tool, use a piece of hose that is at least 18" long, between the tool and the coupling, to prevent damage to the coupling. To protect the operator, safety devices, such as a safety check valve and safety cable should be installed in case there is a hose or coupling failure. For safety check valves and cables see pages 270 and 910.



### Female Threaded Plug

| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/4 | 1/4" - 18 NPT | L2F2 |



### Male Threaded Plug

| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPT | L2M2 |



### Female Threaded Coupler

| Body Size | Threads | Brass Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPT | 2LF2-B |



### Male Threaded Coupler

| Body Size | Threads | Brass Part # |
|---|---|---|

# U-Series Universal Pneumatic Couplings

### Features

- Couplers are automatic
- 2U-Series 6-in-1 (ARO 210, Industrial, Tru-Flate, Lincoln, Italian, and CEJN 320)
- 3U-Series 4-in-1 (ARO 310, Industrial, Tru-Flate, and CEJN 410)
- Parker UC-Series, Hansen Auto-Flo 23, and Tomco Series UC
- Although the universal coupler permits multiple series nipples to mate with one coupler, it is recommended to match like series couplers and nipples, when using a universal coupler, the lower performance rating between the coupler and nipple must take precedence
- Some pneumatic applications require the pressurized air to be 'dried' to ensure proper operation of equipment and/or application of product (i.e. auto body shops), it is best to match like series couplers and nipples in these applications, if it is necessary to use a universal coupler, lube the seal and valve area regularly to ensure reliable service
- For air service only

### Specification

- Temperature range: **-40°F to 250°F (-40°C to 112°C)**

## Female Threaded Couplers

| Body Size | Threads | Brass Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPT | 2UF2-B |
| | 1/4"-19 BSPP | 2UBF2-B |
| | 3/8" - 18 NPT | 2UF3-B |
| | 3/8"-19 BSPP | 2UBF3-B |
| 3/8" | 3/8" - 18 NPT | 3UF3-B |
| | 3/8"-19 BSPP | 3UBF3-B |



## Male Threaded Couplers

| Body Size | Threads | Brass Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPT | 2UM2-B |
| | 1/4"-19 BSPP | 2UBM2-B |
| | 3/8" - 18 NPT | 2UM3-B |
| | 3/8"-19 BSPP | 2UBM3-B |
| 3/8" | 3/8" - 18 NPT | 3UM3-B |
| | 3/8"-19 BSPP | 3UBM3-B |



## Standard Hose Barb Couplers

| Body Size | Hose I.D. | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | 2US2-B |
| | 3/8" | 2US3-B |
| 3/8" | 3/8" | 3US3-B |



## Push-On Hose Barb Couplers

| Body Size | Hose I.D. | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | 2UB2-B |



## NK-Series Japanese Pneumatic Couplings

**Features**
- Japanese Industrial Interchange Pneumatic Coupling
- Interchanges with Nitto Kohki Hi-Cupla 200, Rectus Series 13, and CEJN Series 315

**Specifications**
- Nitrile rubber seals are standard temperature range **-40°F to 250°F (-40°C to 121°C)**
- Pressure rating: **300 PSI**

### Female Threaded Plugs



| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPT | NK2F2 |
| | 1/4" -19 BSPP | NK2BF2 |

### Male Threaded Plugs



| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPT | NK2M2 |
| | 1/4" -19 BSPP | NK2BM2 |

### Hose Barb Plug



| Body Size | Hose I.D. | Steel Part # |
|---|---|---|
| 1/4" | 1/4" | NK2S2 |

### Female Threaded Couplers



| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPT | 2NKF2 |
| | 1/4" -19 BSPP | 2NKBF2 |

### Male Threaded Couplers



| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPT | 2NKM2 |
| | 1/4" -19 BSPP | 2NKBM2 |

### Hose Barb Coupler



| Body Size | Hose I.D. | Steel Part # |
|---|---|---|
| 1/4" | 1/4" | 2NKS2 |

# BR-Series Pneumatic Couplings

**Features**
- Interchange data: Rectus 21KA, Tomco Series SC, CEJN Series 223

**Specifications**
- Nitrile rubber seals are standard temperature range **-40°F to 250°F (-40°C to 121°C)**
- Pressure rating: **300 PSI**



## Female Threaded Plugs

| Body Size | Threads | Brass Part # |
|---|---|---|
| 1/8" | 1/8" - 27 NPT | BR1F1-B-E-7 |
| | 1/8" - 28 BSPP | BR1BF1-B-E-7 |
| | 1/4" - 18 NPT | BR1F2-B-E-7 |
| | 1/4" - 19 BSPP | BR1BF2-B-E-7 |



## Male Threaded Plugs

| Body Size | Threads | Brass Part # |
|---|---|---|
| 1/8" | 1/8" - 27 NPT | BR1M1-B-E-7 |
| | 1/8" - 28 BSPP | BR1GM1-B-E-7 |
| | 1/4" - 18 NPT | BR1M2-B-E-7 |
| | 1/4" - 19 BSPP | BR1GM2-B-E-7 |



## Female Threaded Couplers

| Body Size | Threads | Brass Part # |
|---|---|---|
| 1/8" | 1/8" - 27 NPT | 1BRF1-B-7 |
| | 1/8" - 28 BSPP | 1BRBF1-B-7 |
| | 1/4" - 18 NPT | 1BRF2-B-7 |
| | 1/4" - 19 BSPP | 1BRBF2-B-7 |



## Male Threaded Couplers

| Body Size | Threads | Brass Part # |
|---|---|---|
| 1/8" | 1/8" - 27 NPT | 1BRM1-B-7 |
| | 1/8" - 28 BSPP | 1BRGM1-B-7 |
| | 1/4" - 18 NPT | 1BRM2-B-7 |
| | 1/4" - 19 BSPP | 1BRGM2-B-7 |



## Hose Barb Plugs

| Body Size | Hose I.D. | Brass Part # |
|---|---|---|
| 1/8" | 4mm | BR1S1.25-B-E-7 |
| | 6mm | BR1S1.86-B-E-7 |
| | 9mm | BR1S2.83-B-E-7 |



## Hose Barb Couplers

| Body Size | Hose I.D. | Brass Part # |
|---|---|---|
| 1/8" | 4mm | 1BRS1.25-B-7 |
| | 6mm | 1BRS1.86-B-7 |



# A-Series Pneumatic Couplings

**Feature**
- Interchange data: Dixon Quick Coupling Proprietary Astronautics

**Specification**
- Nitrile rubber seals are standard temperature range **-40°F to 250°F (-40°C to 121°C)**





Brass



Steel

## Female Threaded Plugs

| Body Size | Threads | Brass Part # | Steel Part # |
|---|---|---|---|
| 1/8" | 1/8" - 27 NPTF | A1F1-B | --- |
| 1/4" | 1/8" - 27 NPTF | A2F1-B | --- |
| | 1/4" - 18 NPTF | A2F2-B | A2F2 |



Brass



Steel

## Male Threaded Plugs

| Body Size | Threads | Brass Part # | Steel Part # |
|---|---|---|---|
| 1/8" | 1/8" - 27 NPTF | A1M1-B | --- |
| 1/4" | 1/4" - 18 NPTF | A2M2-B | A2M2 |



Brass



Steel

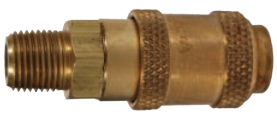
## Hose Barb Plugs

| Body Size | Hose I.D. | Brass Part # | Steel Part # |
|---|---|---|---|
| 1/8" | 1/8" | A1S1-B | --- |
| 1/4" | 1/4" | --- | A2S2 |



## Female Threaded Couplers

| Body Size | Threads | Brass Part # |
|---|---|---|
| 1/8" | 1/8" - 27 NPTF | 1AF1-B |
| 1/4" | 1/8" - 27 NPTF | 2AF1-B |
| | 1/4" - 18 NPTF | 2AF2-B |



## Male Threaded Couplers

| Body Size | Threads | Brass Part # |
|---|---|---|
| 1/8" | 1/8" - 27 NPTF | 1AM1-B |
| 1/4" | 1/8" - 27 NPTF | 2AM1-B |
| | 1/4" - 18 NPTF | 2AM2-B |

# A-Series Pneumatic Couplings

## Hose Barb Couplers

| Body Size | Hose I.D. | Brass Part # |
|---|---|---|
| 1/8" | 1/8" | 1AS1-B |
| 1/4" | 1/4" | 2AS2-B |



## Reusable Barb Plugs

| Body Size | Hose I.D. | Brass Part # | Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" x 1/2" | A2E2-B | A2E2 |



Brass



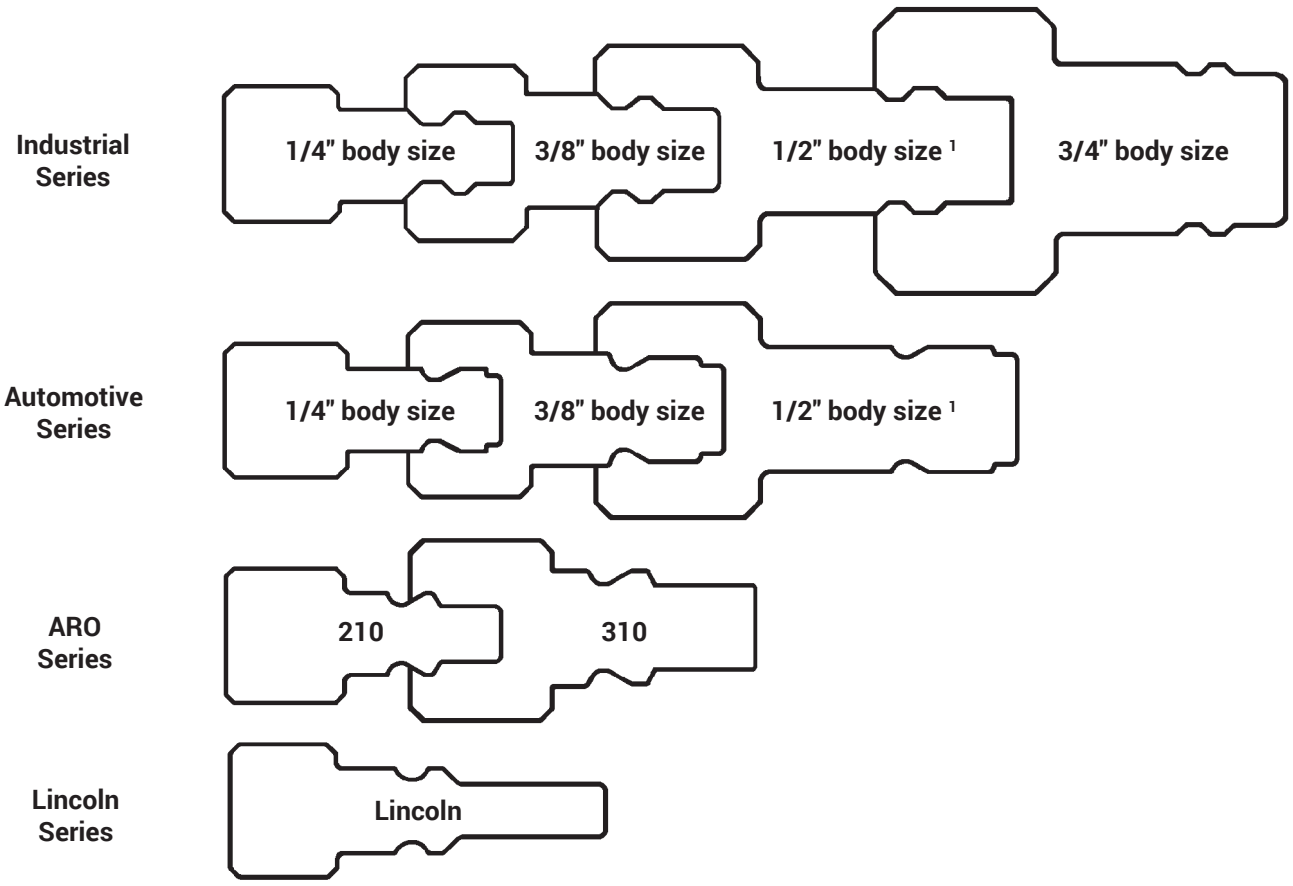
Steel

## Reusable Barb Coupler

| Body Size | Hose I.D. x O.D. | Brass Part # |
|---|---|---|
| 1/4" | 1/4" x 1/2" | 2AE2-B |



## Actual Size Profile Chart



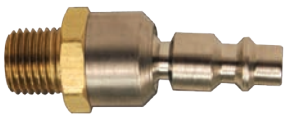

[1] 1/2" industrial series may also interchange with 1/2" automotive series

## Ball Swivel Plug

**Materials**
- Threaded portion is brass
- Plug and nut portion is nickel-plated hardened steel

**Specification**
- Pressure rating: **250 PSI**

### Industrial Ball Swivel Plug



| Body Size | Male NPT | Part # |
|---|---|---|
| 1/4" | 1/4" | DCP21SWIV |

### Automotive Ball Swivel Plug



| Body Size | Male NPT | Steel Part # |
|---|---|---|
| 1/4" | 1/4" | DCP1SWIV |

### ARO Ball Swivel Plug



| Body Size | Male NPT | Part # |
|---|---|---|
| 1/4" | 1/4" | DCP37SWIV |

# Air Chief Industrial Interchange Couplings

**Features**
- Interchanges with many other manufacturer's designs
- Interchanges with MIL Spec. MIL-C-4109F/A-A-59439
- For air service only

**Specifications**
- Pressure rating: **300 PSI**
- Temperature range: **-40°F** to **250°F (-40°C to 121°C)**



## Female Threaded Plugs

| Body Size | Female NPT | Flow Rating at 100 PSI | Steel Part # |
|---|---|---|---|
| 1/4" | 1/8" | 37 CFM | DCP2021 |
| | 1/4" | 37 CFM | DCP20 |
| | 3/8" | 37 CFM | DCP2023 |
| 3/8" | 1/4" | 70 CFM | DCP2622 |
| | 3/8" | 70 CFM | DCP26 |
| | 1/2" | 70 CFM | DCP2624 |
| 1/2" | 3/8" | 150 CFM | DCP1823 |
| | 1/2" | 150 CFM | DCP18 |
| | 3/4" | 150 CFM | DCP1826 |
| 3/4" | 1/2" | 200 CFM | DCP7024 |
| | 3/4" | 200 CFM | DCP7026 |
| | 1" | 200 CFM | DCP7028 |



## Male Threaded Plugs

| Body Size | Male NPT | Flow Rating at 100 PSI | Steel Part # |
|---|---|---|---|
| 1/4" | 1/8" | 37 CFM | DCP2101 |
| | 1/4" | 37 CFM | DCP21 |
| | 3/8" | 37 CFM | DCP2103 |
| 3/8" | 1/4" | 70 CFM | DCP2502 |
| | 3/8" | 70 CFM | DCP25 |
| | 1/2" | 70 CFM | DCP2504 |
| 1/2" | 3/8" | 150 CFM | DCP1703 |
| | 1/2" | 150 CFM | DCP17 |
| | 3/4" | 150 CFM | DCP1706 |
| 3/4" | 1/2" | 200 CFM | DCP7104 |
| | 3/4" | 200 CFM | DCP7106 |
| | 1" | 200 CFM | DCP7108 |



# Air Chief Industrial Interchange Couplings



**Features**
- Interchanges with many other manufacturer's designs
- Interchanges with MIL Spec. MIL-C-4109F/A-A-59439
- For air service only

**Specifications**
- Pressure rating: **300 PSI**
- Temperature range: **-40°F** to **250°F (-40°C** to **121°C)**



DCP7145

## Standard Hose Barb Plugs

| Body Size | Hose I.D. | Flow Rating at 100 PSI | Steel Part # |
|---|---|---|---|
| 1/4" | 5/16" | 37 CFM | DCP2143 |
| | 3/8" | 37 CFM | DCP2144 |
| 3/8" | 1/2" | 70 CFM | DCP2545 |
| 1/2" | 3/4" | 150 CFM | DCP1746 |
| 3/4" | 1/2" | 200 CFM | DCP7145 |
| | 3/4" | 200 CFM | DCP7146 |
| | 1" | 200 CFM | DCP7148 |



## Push-On Hose Barb Plugs

| Body Size | Hose I.D. | Flow Rating at 100 PSI | Steel Part # |
|---|---|---|---|
| 1/4" | 3/8" | 37 CFM | DCP2144L |
| 3/8" | 1/4" | 70 CFM | DCP2542L |

# Air Chief Industrial Interchange Couplings

### Features
- Couplers shut off when disconnected
- Couplers are semi-automatic
- Interchanges with many other manufacturer's designs
- Interchanges with MIL Spec. MIL-C-4109F/A-A-59439
- For air service only ⚠

### Specifications
- Pressure rating: **300 PSI**
- Temperature range: **-40°F** to **250°F (-40°C** to **121°C)**



## Semi-Automatic

### Female Threaded Couplers

| Body Size | Female NPT | Flow Rating at 100 PSI | Brass Part # | Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/8" | 37 CFM | DC2021 | --- |
| | 1/4" | 37 CFM | DC20 | --- |
| | 3/8" | 37 CFM | DC2023 | --- |
| 3/8" | 1/4" | 70 CFM | --- | DC2622 |
| | 3/8" | 70 CFM | --- | DC26 |
| | 1/2" | 70 CFM | --- | DC2624 |
| 1/2" | 3/8" | 150 CFM | --- | DC1023 |
| | 1/2" | 150 CFM | --- | DC10 |
| | 3/4" | 150 CFM | --- | DC1026 |



### Male Threaded Couplers

| Body Size | Male NPT | Flow Rating at 100 PSI | Brass Part # | Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/8" | 37 CFM | DC2101 | --- |
| | 1/4" | 37 CFM | DC21 | --- |
| | 3/8" | 37 CFM | DC2103 | --- |
| 3/8" | 1/4" | 70 CFM | --- | DC2502 |
| | 3/8" | 70 CFM | --- | DC25 |
| | 1/2" | 70 CFM | --- | DC2504 |
| 1/2" | 3/8" | 150 CFM | --- | DC903 |
| | 1/2" | 150 CFM | --- | DC9 |
| | 3/4" | 150 CFM | --- | DC906 |



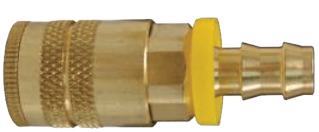
### Standard Hose Barb Couplers

| Body Size | Hose I.D. | Flow Rating at 100 PSI | Brass Part # | Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/4" | 37 CFM | DC2042 | --- |
| | 5/16" | 37 CFM | DC2043 | --- |
| | 3/8" | 37 CFM | DC2044 | --- |
| 3/8" | 3/8" | 70 CFM | --- | DC2644 |
| | 1/2" | 70 CFM | --- | DC2645 |
| 1/2" | 3/8" | 150 CFM | --- | DC1044 |
| | 1/2" | 150 CFM | --- | DC1045 |
| | 3/4" | 150 CFM | --- | DC1046 |



### Push-On Hose Barb Couplers

| Body Size | Hose I.D. | Flow Rating at 100 PSI | Brass Part # | Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/4" | 37 CFM | DC2042L | --- |
| | 3/8" | 37 CFM | DC2044L | --- |



# Air Chief Industrial Interchange Couplings

**Features**
- Couplers shut off when disconnected
- Couplers are automatic
- Interchanges with many other manufacturer's designs
- Interchanges with MIL Spec. MIL-C-4109F/A-A-59439
- For air service only

**Specifications**
- Pressure rating: **300 PSI**
- Temperature range: **-40°F** to **250°F (-40°C** to **121°C)**



## Automatic

### Female Threaded Couplers



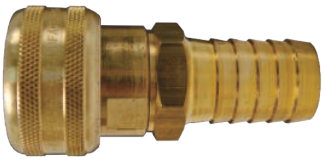
| Body Size | Female NPT | Flow Rating at 100 PSI | Brass Part # |
|---|---|---|---|
| 3/4" | 1/2" | 200 CFM | DC7024 |
| | 3/4" | 200 CFM | DC7026 |
| | 1" | 200 CFM | DC7028 |

### Male Threaded Couplers



| Body Size | Male NPT | Flow Rating at 100 PSI | Brass Part # |
|---|---|---|---|
| 3/4" | 1/2" | 200 CFM | DC7104 |
| | 3/4" | 200 CFM | DC7106 |
| | 1" | 200 CFM | DC7108 |

### Standard Hose Barb Couplers



| Body Size | Hose I.D. | Flow Rating at 100 PSI | Brass Part # |
|---|---|---|---|
| 3/4" | 1/2" | 200 CFM | DC7045 |
| | 3/4" | 200 CFM | DC7046 |
| | 1" | 200 CFM | DC7048 |

# Parker E-z-mate Industrial Couplings

E-z-mate couplings combine push-to-connect, exhaust-style action with a self-locking valve sleeve to guard against accidental disconnection. Simply follow the direction of the on-off arrow stamped on the yellow chromate valve sleeve. Valve sleeve acts as an integral shut off valve that allows connection and disconnection at zero pressure. When the sleeve is moved to shut off air flow, it automatically vents downstream allowing for disconnection at zero pressure and eliminating the risk of hose whip.



### Features

- Meets ISO 4414 requirements for a controlled pressure release system
- Not recommended for vacuum service

### Specifications

- Pressure rating: **300 PSI**
- Temperature range (standard seals): **-40°F** to **250°F (-40°C** to **121°C)**

## Female Threaded Couplers

| Body Size | Female NPT | Flow Rating at 100 PSI | Steel Part # |
|---|---|---|---|
| 1/4" | 1/4"-18 | 37 CFM | DC20SE |
| | 3/8"-18 | 37 CFM | DC2023SE |
| 3/8" | 3/8"-18 | 70 CFM | DC26SE |
| | 1/2"-14 | 70 CFM | DC2624SE |
| 1/2" | 1/2"-14 | 150 CFM | DC10SE |
| | 3/4"-14 | 150 CFM | DC1026SE |
| 3/4" | 3/4"-14 | 200 CFM | DC7026SE |
| | 1"-11-1/2 | 200 CFM | DC7028SE |



## Male Threaded Couplers

| Body Size | Male NPT | Flow Rating at 100 PSI | Steel Part # |
|---|---|---|---|
| 1/4" | 1/4"-18 | 37 CFM | DC21SE |
| | 3/8"-18 | 37 CFM | DC2103SE |
| 3/8" | 3/8"-18 | 70 CFM | DC25SE |
| 1/2" | 1/2"-14 | 150 CFM | DC9SE |
| 3/4" | 3/4"-14 | 200 CFM | DC7106SE |



## Standard Hose Barb Couplers

| Body Size | Hose I.D. | Flow Rating at 100 PSI | Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" | 37 CFM | DC2042SE |
| | 3/8" | 37 CFM | DC2044SE |
| 3/8" | 3/8" | 70 CFM | DC2644SE |
| 1/2" | 1/2" | 150 CFM | DC1045SE |



## Push-Lock Hose Barb Couplers

| Body Size | Hose I.D. | Flow Rating at 100 PSI | Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" | 37 CFM | DC2042LSE |
| | 3/8" | 37 CFM | DC2044LSE |
| 3/8" | 3/8" | 70 CFM | DC2644LSE |
| 1/2" | 1/2" | 150 CFM | DC1045LSE |



E

## Legris Industrial Interchange Safety Couplers

### Applications
- Suited for numerous installations including: pneumatic tools, blow guns, pneumatic automotive equipment

### Features
- Composite, non-marring body
- 1/4" body size ensures excellent flow and total security due to disconnection in two steps
- Compatible with industrial interchange plugs

### Specifications
- Temperature range: **-4°F** to **140°F (-40°C** to **121°C)**
- Working pressure: **230 PSI**



1. vents plug side



2. disconnects



### Female Threaded Automatic Couplers

| Body Size | NPT Size | Part # |
|---|---|---|
| 1/4" | 1/4" | 9415U0614 |
| | 3/8" | 9415U0618 |



### Male Threaded Automatic Couplers

| Body Size | NPT Size | Part # |
|---|---|---|
| 1/4" | 1/4" | 9405U0614 |
| | 3/8" | 9405U0618 |

# Air Chief Automotive Interchange Couplings

### Features
- Couplers are semi-automatic
- Interchange with popular makes of automotive quick-connect fittings such as Amflo, Dill, Milton, and Tru-Flate, some designs do not interchange with others, if you plan to interchange these couplings, make sure you have plug ends with the proper configuration

### Specifications
- Pressure rating: **300 PSI**
- Temperature range: **-40°F** to **250°F (-40°C** to **121°C)**



## Semi-Automatic

### Female Threaded Plugs

| Body Size | Female NPT | Flow Rating at 100 PSI | Steel Part # |
|---|---|---|---|
| 1/4" | 1/8" | 37 CFM | DCP221 |
| | 1/4" | 37 CFM | DCP2 |
| | 3/8" | 37 CFM | DCP223 |
| 3/8" | 1/4" | 70 CFM | DCP8 |
| | 3/8" | 70 CFM | DCP6 |
| | 1/2" | 70 CFM | DCP624 |



### Male Threaded Plugs

| Body Size | Male NPT | Flow Rating at 100 PSI | Steel Part # |
|---|---|---|---|
| 1/4" | 1/8" | 37 CFM | DCP101 |
| | 1/4" | 37 CFM | DCP1 |
| | 3/8" | 37 CFM | DCP103 |
| 3/8" | 1/4" | 70 CFM | DCP7 |
| | 3/8" | 70 CFM | DCP5 |



### Standard Hose Barb Plugs

| Body Size | Hose I.D. | Flow Rating at 100 PSI | Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" | 37 CFM | DCP142 |
| | 3/8" | 37 CFM | DCP144 |
| 3/8" | 3/8" | 37 CFM | DCP544 |



### Push-On Hose Barb Plugs

| Body Size | Hose I.D. | Flow Rating at 100 PSI | Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" | 37 CFM | DCP142L |
| | 3/8" | 37 CFM | DCP144L |
| 3/8" | 3/8" | 70 CFM | DCP544L |



## Air Chief Automotive Interchange Couplings

**Features**

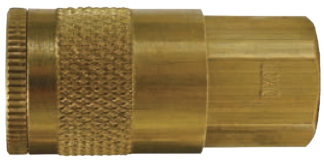
- Couplers are semi-automatic
- Interchange with popular makes of automotive quick-connect fittings such as Amflo, Dill, Milton, and Tru-Flate, some designs do not interchange with others, if you plan to interchange these couplings, make sure you have plug ends with the proper configuration

**Specifications**

- Pressure rating: **300 PSI**
- Temperature range: **-40°F** to **250°F (-40°C** to **121°C)**

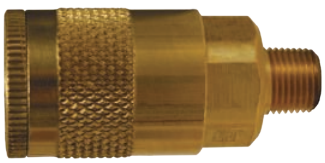


### Semi-Automatic



#### Female Threaded Couplers

| Body Size | Female NPT | Flow Rating at 100 PSI | Brass Part # | Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/8" | 37 CFM | DC221 | --- |
| | 1/4" | 37 CFM | DC2 | --- |
| | 3/8" | 37 CFM | DC223 | --- |
| 3/8" | 1/4" | 70 CFM | --- | DC8 |
| | 3/8" | 70 CFM | --- | DC6 |
| | 1/2" | 70 CFM | --- | DC624 |



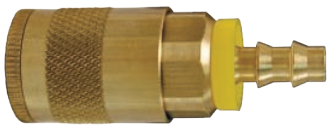
#### Male Threaded Couplers

| Body Size | Male NPT | Flow Rating at 100 PSI | Brass Part # | Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/8" | 37 CFM | DC101 | --- |
| | 1/4" | 37 CFM | DC1 | --- |
| | 3/8" | 37 CFM | DC103 | --- |
| 3/8" | 1/4" | 70 CFM | --- | DC7 |
| | 3/8" | 70 CFM | --- | DC5 |
| | 1/2" | 70 CFM | --- | DC504 |



#### Standard Hose Barb Couplers

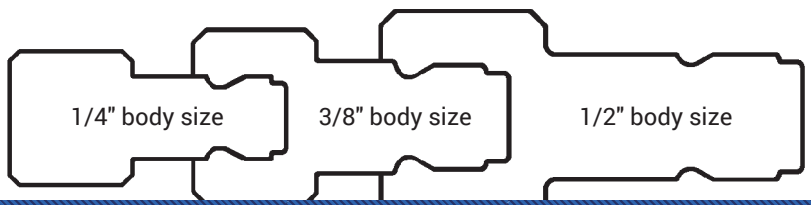
| Body Size | Hose I.D. | Flow Rating at 100 PSI | Brass Part # | Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/4" | 37 CFM | DC242 | --- |
| | 3/8" | 37 CFM | DC244 | --- |
| 3/8" | 3/8" | 70 CFM | --- | DC644 |
| | 1/2" | 70 CFM | --- | DC645 |



#### Push-On Hose Barb Couplers

| Body Size | Hose I.D. | Flow Rating at 100 PSI | Brass Part # | Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/4" | 37 CFM | DC242L | --- |
| | 3/8" | 37 CFM | DC244L | --- |
| 3/8" | 3/8" | 70 CFM | --- | DC644L |

## Air Chief Automotive Actual Size Profile Charts



# Air Chief ARO Speed Interchange Couplings

**Features**
- Interchanges with ARO 210 and 310 designs
- Couplers shut off when disconnected

**Specification**
- Pressure rating: **300 PSI** at ambient temperature **70°F (21°C)**

## Female Threaded Plugs

| Body Size | Female NPT | Flow Rating at 100 PSI | Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" | 37 CFM | DCP38 |
| | 3/8" | 37 CFM | DCP3823 |
| 3/8" | 3/8" | 70 CFM | DCP36 |



## Male Threaded Plugs

| Body Size | Male NPT | Flow Rating at 100 PSI | Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" | 37 CFM | DCP37 |
| | 3/8" | 37 CFM | DCP3703 |
| 3/8" | 3/8" | 70 CFM | DCP35 |



## Standard Hose Barb

| Body Size | Hose I.D. | Flow Rating at 100 PSI | Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" | 37 CFM | DCP3742 |



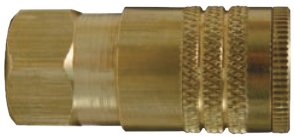
## Push-On Hose Barbs

| Body Size | Hose I.D. | Flow Rating at 100 PSI | Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" | 37 CFM | DCP3742L |
| | 3/8" | 37 CFM | DCP3744L |



# Air Chief ARO Speed Interchange Couplings

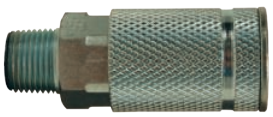
## Semi-Auto Female Threaded Couplers



| Body Size | Hose I.D. | Flow Rating at 100 PSI | Brass Part # | Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/4" | 37 CFM | DC38 | --- |
| | 3/8" | 37 CFM | DC3823 | --- |
| 3/8" | 3/8" | 70 CFM | --- | DC36 |



## Semi-Auto Male Threaded Couplers



| Body Size | Hose I.D. | Flow Rating at 100 PSI | Brass Part # | Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/4" | 37 CFM | DC37 | --- |
| | 3/8" | 37 CFM | DC3703 | --- |
| 3/8" | 3/8" | 70 CFM | --- | DC35 |

## Semi-Auto Standard Hose Barb Couplers



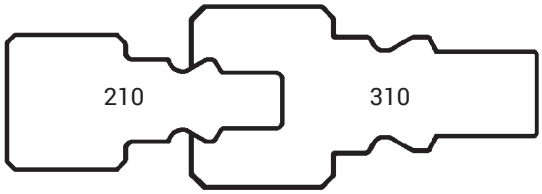
| Body Size | Hose I.D. | Flow Rating at 100 PSI | Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" | 37 CFM | DC3842 |
| | 3/8" | 37 CFM | DC3844 |

## Semi-Auto Push-On Hose Barb Couplers



| Body Size | Hose I.D. | Flow Rating at 100 PSI | Brass Part # |
|---|---|---|---|
| 1/4" | 1/4" | 37 CFM | DC3842L |
| | 3/8" | 37 CFM | DC3844L |

# Air Chief ARO Actual Size Profile Charts



# Air Chief Lincoln Interchange Couplings

**Features**
- Interchangeable with the Lincoln Interchange long stem series
- Couplers shut off when disconnected
- Couplers are semi-automatic

**Specification**
- Pressure rating: **300 PSI** at ambient temperature **70°F (21°C)**

### Female Threaded Plug

| Body Size | Female NPT | Flow Rating at 100 PSI | Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" | 37 CFM | DCP28 |




### Male Threaded Plug

| Body Size | Male NPT | Flow Rating at 100 PSI | Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" | 37 CFM | DCP27 |



### Female Threaded Coupler

| Body Size | Female NPT | Flow Rating at 100 PSI | Brass Part # |
|---|---|---|---|
| 1/4" | 1/4" | 37 CFM | DC28 |

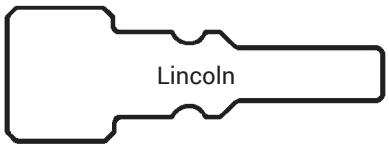


### Male Threaded Coupler

| Body Size | Female NPT | Flow Rating at 100 PSI | Brass Part # |
|---|---|---|---|
| 1/4" | 1/4" | 37 CFM | DC27 |



## Air Chief Lincoln Actual Size Profile Chart



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## 3500 Male Nipples

**Features**

- For air and water service only
- The constant vibration created by air tools, like air drills and pavement breakers, is destructive to air hose couplings, especially the quick-acting type; to provide protection against coupling breakage and related hazards, Dixon® recommends the use of a whip hose; to construct a whip hose, connect one end of a short (3' to 10') air hose to the air tool using a 3500 type steel nipple; connect the other end of the hose to the air supply using the standard quick-acting coupling; the heat-treated 3500 nipple will withstand vibration far better than the standard coupling and provide a safer connection; the whip hose should remain permanently connected to the tool.

**Specification**

- Working pressure: **600 PSI** at ambient temperature **70°F (21°C)**



### Male Threaded

| Hose Size | Male NPT | Zinc Plated Steel Part # | Optional Qty |
|---|---|---|---|
| 1/4" | 1/8" | 3501 | 100 |
| | 1/4" | 3502 | 100 |
| | 3/8" | 3504 | 100 |
| 3/8" | 1/4" | 3505 | 100 |
| | 3/8" | 3506 | 100 |
| | 1/2" | 3508 | 100 |
| 1/2" | 1/4" | 3509 | 100 |
| | 3/8" | 3510 | 100 |
| | 1/2" | 3512 | 100 |
| | 3/4" | 3511 | 50 |
| 3/4" | 1/2" | 3513 | 50 |
| | 3/4" | 3514 | 50 |
| | 1" | 3515 | 25 |
| 1" | 3/4" | 3516 | 25 |
| | 1" | 3518 | 25 |



### Female Threaded

| Hose Size | Female NPT | Zinc Plated Steel Part # | Optional Qty |
|---|---|---|---|
| 1/4" | 1/4" | 3542 | 100 |
| 3/8" | 1/4" | 3545 | 50 |
| | 3/8" | 3546 | 50 |
| 1/2" | 3/8" | 3550 | 100 |
| | 1/2" | 3552 | 50 |
| 3/4" | 3/4" | 3554 | 50 |

### Male Threaded with Ferrule

**Features**

- Zinc plated steel 3500 nipple with carbon steel ferrule
- Can be crimped or swaged-on to achieve maximum coupling sealing and retention; for crimp dimensions see dixonvalve.com
- Low-profile, streamline appearance



| Hose Size | Male NPT | Hose O.D. | | Steel Part # |
|---|---|---|---|---|
| | | From | To | |
| 3/8" | 1/4" | 46/64" | 50/64" | 3505WF |
| | 1/2" | 46/64" | 50/64" | 3508WF |
| 1/2" | 1/4" | 54/64" | 58/64" | 3509WF |
| | 3/8" | 54/64" | 58/64" | 3510WF |
| | 3/4" | 54/64" | 58/64" | 3511WF |
| | 1/2" | 54/64" | 58/64" | 3512WF |
| 3/4" | 3/4" | 1-10/64" | 1-14/64" | 3514WF |
| | 1" | 1-30/64" | 1-34/64" | 3518WF |

# Bent Stem Swivels

## Hose Barb

**Features**
- 7/8" thread fits the following tool brands: Ingersoll-Rand, Thor, Black & Decker, Harper, Jet, Texas Pneumatic, Kent, and Sullair
- 1/2" thread fits all tools with 1/2" female NPT thread
- 1/2" hose barb

**Specification**
- Designed for normal operation at **90 PSI** at ambient temperature **70°F (21°C)**



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| Description | Steel Part # | Optional Qty |
|---|---|---|
| 7/8" - 24 thread x 1/2" hose barb | ATS7812H | 50 |
| 1/2" NPT thread x 1/2" hose barb | ATS1212H | 50 |

## Female Pipe Thread

**Features**
- 7/8" thread fits most chipping hammers
- 3/8" female pipe thread

**Specification**
- Designed for normal operation at **90 PSI** at ambient temperature **70°F (21°C)**



| Description | Steel Part # | Optional Qty |
|---|---|---|
| 7/8" - 24 thread x 3/8" female NPT | ATS7838F | 25 |

## Male Pipe Thread

**Features**
- 7/8" thread fits most chipping hammers
- 3/8" male pipe thread

**Specification**
- Designed for normal operation at **90 PSI** at ambient temperature **70°F (21°C)**



| Description | Steel Part # | Optional Qty |
|---|---|---|
| 7/8" - 24 thread x 3/8" male NPT | ATS7838M | 50 |

# D.O.T. Push-In Fittings

### Features

- Materials:
  - Body (straights) tube, supports and grippers: brass CA360
  - Forged elbows and tees: brass CA377
  - O-ring: nitrile rubber
- Suitable for use up to the maximum working pressure of the plastic tubing used; also suitable for vacuum service
- Pre-applied thread sealant (Loctite 516®) on all male pipe threads
- Compatible tubing: SAE J844

### Specifications

- Temperature range: **-40°F to 212°F (-40°C to 100°C)**
- Meets D.O.T. FMVSS 571.106 and SAE J1131, SAE J2494-1, and SAE J2494-3

## Male Connectors



| Tube O.D. | Male NPTF | Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/8" | AQ68DOT4X2 | 10 |
| | 1/4" | AQ68DOT4X4 | 10 |
| | 3/8" | AQ68DOT4X6 | 5 |
| 3/8" | 1/4" | AQ68DOT6X4 | 10 |
| | 3/8" | AQ68DOT6X6 | 10 |

## Union Connectors



| Tube O.D. | Part # | Pkg Qty |
|---|---|---|
| 1/4" | AQ62DOT4 | 10 |
| 3/8" | AQ62DOT6 | 10 |

## Male Elbows



| Tube O.D. | Male NPTF | Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/8" | AQ69DOT4X2 | 10 |
| | 1/4" | AQ69DOT4X4 | 10 |
| 3/8" | 1/4" | AQ69DOT6X4 | 10 |

## D.O.T. Push-In Male Swivel Elbows



| Tube O.D. | Male NPTF | Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/8" | AQ69DOTS4X2 | 10 |
| | 1/4" | AQ69DOTS4X4 | 10 |
| | 3/8" | AQ69DOTS4X6 | 10 |
| 3/8" | 1/4" | AQ69DOTS6X4 | 10 |
| | 3/8" | AQ69DOTS6X6 | 5 |

# D.O.T. Push-In Fittings

## Male Swivel Run Tees

| Tube O.D. | Male NPTF | Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/8" | AQ71DOTS4X2 | 10 |
| | 1/4" | AQ71DOTS4X4 | 5 |



## Male Swivel Branch Tees

| Tube O.D. | Male NPTF | Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/8" | AQ72DOTS4X2 | 10 |
| | 1/4" | AQ72DOTS4X4 | 5 |



## Union Tees

| Tube O.D. | Part # | Pkg Qty |
|---|---|---|
| 1/4" | AQ64DOT4 | 10 |
| 3/8" | AQ64DOT6 | 10 |



## Legris D.O.T. Push-In Fittings

### Features
- Suitable fluids: compressed air only
- Complies with the performance requirements of D.O.T. FMVSS 571.106 (SAE J1131) and SAE J2494-3
- These fittings are designed for use on all pneumatic circuits other than air brake assemblies between the frame and axle or between towed and towing vehicle

### Materials
- Composite body, brass collet, stainless steel tube support, brass threads, nitrile rubber O-ring

### Specifications
- Maximum operating pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- Temperature range: **-40°F to 200°F (-40°C to 93°C)**



### Male Connectors

| Tube O.D. | Male NPT | Part # | Pkg Qty |
|---|---|---|---|
| 5/32" | 1/8" | 31150411DOT | 10 |
| | 1/4" | 31150414DOT | 10 |
| 3/16" | 1/8" | 31155511DOT | 10 |
| | 1/4" | 31155514DOT | 10 |
| 1/4" | 1/8" | 31155611DOT | 10 |
| | 1/4" | 31155614DOT | 10 |
| | 3/8" | 31155618DOT | 10 |
| 3/8" | 1/8" | 31156011DOT | 10 |
| | 1/2" | 31156014DOT | 10 |
| | 3/8" | 31156018DOT | 10 |
| | 1/2" | 31156022DOT | 10 |
| 1/2" | 1/4" | 31156214DOT | 10 |
| | 3/8" | 31156218DOT | 10 |
| | 1/2" | 31156222DOT | 10 |

NOTE: Meets D.O.T. FMVSS571.106, SAE J2494, and SAE J2494-3



### Female Connectors

| Tube O.D. | Female NPT | Part # | Pkg Qty |
|---|---|---|---|
| 5/32" | 1/8" | 31140411DOT | 10 |
| 3/16" | 1/8" | 31145511DOT | 10 |
| 1/4" | 1/8" | 31145611DOT | 10 |
| | 1/4" | 31145614DOT | 10 |
| 3/8" | 1/4" | 31146014DOT | 10 |
| | 3/8" | 31146018DOT | 10 |

NOTE: Meets D.O.T. FMVSS571.106, SAE J2494, and SAE J2494-3

# Legris D.O.T. Push-In Fittings

## Unions

| Tube O.D. | Part # | Pkg Qty |
|---|---|---|
| 5/32" | 31060400DOT[1, 2] | 10 |
| 3/16" | 31065500DOT[1, 2] | 10 |
| 1/4" | 31065600DOT[3] | 10 |
| 3/8" | 31066000DOT[3] | 10 |
| 1/2" | 31066200DOT[3] | 10 |



[1] Brass body
[2] Meets D.O.T. FMVSS571.106, SAE J2494, and SAE J2494-3
[3] Meets D.O.T. FMVSS571.106, SAE J1131, and SAE J2494-3

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## Bulkhead Unions

| Tube O.D. | Part # | Pkg Qty |
|---|---|---|
| 1/4" | 31165600DOT | 10 |
| 3/8" | 31166000DOT | 10 |
| 1/2" | 31166200DOT | 10 |



NOTE: Meets D.O.T. FMVSS571.106, SAE J2494, and SAE J2494-3

## Union Elbows

| Tube O.D. | Part # | Pkg Qty |
|---|---|---|
| 5/32" | 31020400DOT[1] | 10 |
| 1/4" | 31025600DOT | 10 |
| 3/8" | 31026000DOT | 10 |
| 1/2" | 31026200DOT | 10 |



[1] Brass body
NOTE: 5/32" diameter meets D.O.T. FMVSS571.106, SAE J2494, and SAE J2494-3.
1/4", 3/8", and 1/2" diameters meet D.O.T. FMVSS571.106, SAE J1131, and SAE J2494-3

## Male Elbows

| Tube O.D. | Male NPT | Part # | Pkg Qty |
|---|---|---|---|
| 5/32" | 1/8" | 31090411DOT[1] | 10 |
| 3/16" | 1/8" | 31095511DOT[1] | 10 |
| 1/4" | 1/8" | 31095611DOT | 10 |
| | 1/4" | 31095614DOT | 10 |
| | 3/8" | 31095618DOT | 10 |
| 3/8" | 1/4" | 31096014DOT | 10 |
| | 3/8" | 31096018DOT | 10 |
| | 1/2" | 31096022DOT | 10 |
| 1/2" | 1/4" | 31096214DOT | 10 |
| | 3/8" | 31096218DOT | 10 |
| | 1/2" | 31096222DOT | 10 |



[1] Brass body
NOTE: 5/32" and 3/16" diameter meets D.O.T. FMVSS571.106, SAE J2494, and SAE J2494-3.
1/4", 3/8", and 1/2" diameters meet D.O.T. FMVSS571.106, SAE J1131, and SAE J2494-3.
Fitting can be oriented 360°, allowing proper positioning of the fitting

# Legris D.O.T. Push-In Fittings



## Reducer

| Tube O.D. | Tube O.D. | Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 3/8" | 31665660DOT | 10 |

NOTE: Meets D.O.T. FMVSS571.106, SAE J1131, and SAE J2494-3





## Plug In Elbow

| Tube O.D. | Part # | Pkg Qty |
|---|---|---|
| 1/4" | 31825600DOT | 10 |

NOTE: Meets D.O.T. FMVSS571.106, SAE J1131, and SAE J2494-3

## Male Branch Tees

| Tube O.D. | Male NPT | Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/8" | 31085611DOT | 10 |
| | 1/4" | 31085614DOT | 10 |
| | 3/8" | 31085618DOT | 10 |
| 3/8" | 1/4" | 31086014DOT | 10 |
| | 3/8" | 31086018DOT | 10 |
| | 1/2" | 31086022DOT | 10 |
| 1/2" | 1/4" | 31086214DOT | 10 |
| | 3/8" | 31086218DOT | 10 |
| | 1/2" | 31086222DOT | 10 |



NOTE: 1/4", 3/8", and 1/2" diameters meet D.O.T. FMVSS571.106, SAE J1131, and SAE J2494-3.
Fitting can be oriented 360°, allowing proper positioning of the fitting.

## Union Tees

| Tube O.D. | Part # | Pkg Qty |
|---|---|---|
| 5/32" | 31040400DOT[1] | 10 |
| 3/16" | 31045500DOT[1] | 10 |
| 1/4" | 31045600DOT | 10 |
| 3/8" | 31046000DOT | 10 |
| 1/2" | 31046200DOT | 10 |



[1] Brass body

NOTE: 5/32" and 3/16" diameter meets D.O.T. FMVSS571.106, SAE J2494, and SAE J2494-3.
1/4", 3/8", and 1/2" diameters meet D.O.T. FMVSS571.106, SAE J1131, and SAE J2494-3

# Legris D.O.T. Push-In Fittings

## Legris D.O.T. Push-In Male Run Tees

| Tube O.D. | Male NPT | Part # | Pkg Qty |
|---|---|---|---|
| 3/16" | 1/8" | 31035511DOT[1] | 10 |
| 1/4" | 1/8" | 31035611DOT | 10 |
| | 1/4" | 31035614DOT | 10 |
| | 3/8" | 31035618DOT | 10 |
| 3/8" | 1/4" | 31036014DOT | 10 |
| | 3/8" | 31036018DOT | 10 |
| | 1/2" | 31036022DOT | 10 |
| 1/2" | 1/4" | 31036214DOT | 10 |
| | 3/8" | 31036218DOT | 10 |
| | 1/2" | 31036222DOT | 10 |



[1] Brass body

NOTE: 3/16" diameter meets D.O.T. FMVSS571.106, SAE J2494, and SAE J2494-3.
1/4", 3/8", and 1/2" diameters meet D.O.T. FMVSS571.106, SAE J1131, and SAE J2494-3.
Fitting can be oriented 360°, allowing proper positioning of the fitting.

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## Legris D.O.T. Push-In Plug In Run Tee

| Tube O.D. | Part # | Pkg Qty |
|---|---|---|
| 1/4" | 31835600DOT | 10 |



NOTE: Meets D.O.T. FMVSS571.106, SAE J1131, and SAE J2494-3

## Legris D.O.T. Push-In Y Connectors

| Tube O.D. | Male NPT | Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/8" | 31485611DOT | 10 |
| | 1/4" | 31485614DOT | 10 |



NOTE: Meets D.O.T. FMVSS571.106, SAE J1131, and SAE J2494-3.
Fitting can be oriented 360°, allowing proper positioning of the fitting.

## Legris D.O.T. Push-In Y Unions

| Tube O.D. | Part # | Pkg Qty |
|---|---|---|
| 1/4" | 31405600DOT | 10 |
| 3/8" | 31406000DOT | 10 |



NOTE: Meets D.O.T. FMVSS571.106, SAE J1131, and SAE J2494-3.

# Air Brake Fittings



### Applications
- Designed for use in air brake systems or cab controls

### Features
- Utilize ribbed sleeve for compression and positive grip
- Machined from CA360, CA345, or CA377 brass
- Pre-applied thread sealant on all male pipe threads
- Maximum operating pressure: 150 PSI
- Compatible tubing: SAE J844 type A and B
- Specifications: meets D.O.T. FMVSS 571.106 and SAE J246

### Specification
- Temperature range: **-40°F** to **200°F (-40°C to 93°C)**

### Assembly Instructions:
1. Cut tubing squarely - maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Insert tubing into fittings until it bottoms on seat.
4. Tighten nut with wrench until one thread remains visible on the fittings body (this will allow for a number of remakes); or, the nut should be screwed down finger tight, then wrench-tightened as indicated in the chart below.

| Tube Size | Turns required to seal from hand tight |
|---|---|
| 3/16" | 2-1/2 |
| 1/4" | 3 |
| 3/8" & 1/2" | 4 |
| 5/8" & 3/4" | 3-1/2 |

## Male Connectors



### Features
- Ref. SAE 100102 BA
- Thread sealant may be white or burnt orange

| Tube Size | Pipe Thread | Straight Thread | Part # | Pkg Qty |
|---|---|---|---|---|
| 3/16" | 1/16" | 5/16"-24 | 68NAB31VS | 25 |
| | 1/8" | 5/16"-24 | 68NAB32VS | 50 |
| | 1/4" | 5/16"-24 | 68NAB34VS | 25 |
| 1/4" | 1/8" | 7/16"-24 | 68NAB42VS | 50 |
| | 1/4" | 7/16"-24 | 68NAB44VS | 50 |
| | 3/8" | 7/16"-24 | 68NAB46VS | 10 |
| 3/8" | 1/8" | 17/32"-24 | 68NAB62VS | 25 |
| | 1/4" | 17/32"-24 | 68NAB64VS | 25 |
| | 3/8" | 17/32"-24 | 68NAB66VS | 25 |
| | 1/2" | 17/32"-24 | 68NAB68VS | 25 |
| 1/2" | 1/4" | 11/16"-20 | 68NAB84VS | 10 |
| | 3/8" | 11/16"-20 | 68NAB86VS | 25 |
| | 1/2" | 11/16"-20 | 68NAB88VS | 25 |
| 5/8" | 3/8" | 13/16"-18 | 68NAB106VS | 10 |
| | 1/2" | 13/16"-18 | 68NAB108VS | 10 |
| 3/4" | 3/8" | 1"-18 | 68NAB126VS | 10 |
| | 1/2" | 1"-18 | 68NAB128VS | 10 |
| | 3/4" | 1"-18 | 68NAB1212VS | 10 |

## Female Connectors



### Feature
- Ref. SAE 100103 BA

| Tube Size | Pipe Thread | Straight Thread | Part # | Pkg Qty |
|---|---|---|---|---|
| 1/4" | 1/8" | 7/16"-24 | 66NAB42 | 25 |
| | 1/4" | 7/16"-24 | 66NAB44 | 10 |
| 3/8" | 1/8" | 17/32"-24 | 66NAB62 | 10 |
| | 1/4" | 17/32"-24 | 66NAB64 | 10 |
| 1/2" | 3/8" | 11/16"-20 | 66NAB86[1] | 10 |
| | 1/2" | 11/16"-20 | 66NAB88 | 10 |
| 5/8" | 3/8" | 13/16"-18 | 66NAB106 | 10 |
| | 1/2" | 13/16"-18 | 66NAB108 | 10 |

[1] Not full hex as shown

# Air Brake Fittings

## Unions

**Feature**
- Ref. SAE 100101

| Tube Size | Straight Thread | Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 7/16"-24 | 62NAB4 | 10 |
| 3/8" | 17/32"-24 | 62NAB6 | 10 |
| 1/2" | 11/16"-20 | 62NAB8 | 10 |
| 5/8" | 13/16"-18 | 62NAB10 | 10 |
| 3/4" | 1"-18 | 62NAB12 | 10 |





## Bulkhead Unions

| Tube Size | Straight Thread | Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 7/16"-24 | 62NABH4 | 10 |
| 3/8" | 17/32"-24 | 62NABH6 | 10 |
| 1/2" | 11/16"-20 | 62NABH8 | 10 |



## Bulkhead Unions

| Tube Size | Straight Thread | Part # | Pkg Qty |
|---|---|---|---|
| 3/16" | 5/16"-24 | 62NBH3 | 10 |
| 1/4" | 7/16"-24 | 62NBH4 | 10 |
| 3/8" | 17/32"-24 | 62NBH6 | 10 |
| 1/2" | 11/16"-20 | 62NBH8 | 10 |
| 5/8" | 13/16"-18 | 62NBH10 | 10 |



## Bulkhead Unions

| Tube Size | Straight Thread | Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 7/16"-24 | 62NFBH4 | 10 |
| 3/8" | 17/32"-24 | 62NFBH6 | 10 |
| 1/2" | 11/16"-20 | 62NFBH8 | 10 |
| 5/8" | 13/16"-18 | 62NFBH10 | 10 |



## Bulkhead Unions

| Tube Size | Pipe Thread | Part # | Pkg Qty |
|---|---|---|---|
| 1/2" | 3/8" | 66NBH86 | 10 |



## Female Elbows

**Feature**
- Ref. SAE 100203 BA

| Tube Size | Pipe Thread | Straight Thread | Part # | Pkg Qty |
|---|---|---|---|---|
| 3/16" | 1/8" | 5/16"-24 | 70NAB32 | 25 |
| 1/4" | 1/8" | 7/16"-24 | 70NAB42 | 25 |
| | 1/4" | 7/16"-24 | 70NAB44 | 25 |
| 3/8" | 1/8" | 17/32"-24 | 70NAB62 | 10 |
| | 1/4" | 17/32"-24 | 70NAB64[1] | 10 |
| | 3/8" | 17/32"-24 | 70NAB66 | 10 |
| 1/2" | 3/8" | 11/16"-20 | 70NAB86 | 10 |
| | 1/2" | 11/16"-20 | 70NAB88 | 10 |
| 5/8" | 1/2" | 13/16"-18 | 70NAB108 | 10 |



# Air Brake Fittings



## Male Elbows



**Features**
- Ref. SAE 100202 BA
- Thread sealant may be white or burnt orange

| Tube Size | Pipe Thread | Straight Thread | Part # | Pkg Qty |
|---|---|---|---|---|
| 3/16" | 1/8" | 5/16"-24 | 69NAB32VS | 10 |
| | 1/4" | 5/16"-24 | 69NAB34VS | 10 |
| 1/4" | 1/8" | 7/16"-24 | 69NAB42VS | 50 |
| | 1/4" | 7/16"-24 | 69NAB44VS | 50 |
| | 3/8" | 7/16"-24 | 69NAB46VS | 10 |
| 3/8" | 1/8" | 17/32"-24 | 69NAB62VS | 10 |
| | 1/4" | 17/32"-24 | 69NAB64VS | 25 |
| | 3/8" | 17/32"-24 | 69NAB66VS | 25 |
| | 1/2" | 17/32"-24 | 69NAB68VS | 10 |
| 1/2" | 1/4" | 11/16"-20 | 69NAB84VS | 10 |
| | 3/8" | 11/16"-20 | 69NAB86VS | 10 |
| | 1/2" | 11/16"-20 | 69NAB88VS | 10 |
| 5/8" | 3/8" | 13/16"-18 | 69NAB106VS | 10 |
| | 1/2" | 13/16"-18 | 69NAB108VS | 5 |
| 3/4" | 1/2" | 1"-18 | 69NAB128VS | 5 |
| | 3/4" | 1"-18 | 69NAB1212VS | 5 |

## Union Elbows



**Feature**
- Ref. SAE 100201 BA

| Tube Size | Straight Thread | Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 7/16"-24 | 65NAB4 | 10 |
| 3/8" | 17/32"-24 | 65NAB6 | 10 |
| 1/2" | 11/16"-20 | 65NAB8 | 10 |
| 5/8" | 13/16"-18 | 65NAB10 | 10 |

## 45° Elbows



**Features**
- Ref. SAE 100302 BA
- Thread sealant may be white or burnt orange

| Tube Size | Pipe Thread | Straight Thread | Part # | Pkg Qty |
|---|---|---|---|---|
| 1/4" | 1/8" | 7/16"-24 | 79NAB42VS | 10 |
| | 1/4" | 7/16"-24 | 79NAB44VS | 10 |
| 3/8" | 1/8" | 17/32"-24 | 79NAB62VS | 10 |
| | 1/4" | 17/32"-24 | 79NAB64VS | 10 |
| | 3/8" | 17/32"-24 | 79NAB66VS | 10 |
| | 1/2" | 17/32"-24 | 79NAB68VS | 10 |
| 1/2" | 1/4" | 11/16"-20 | 79NAB84VS | 10 |
| | 3/8" | 11/16"-20 | 79NAB86VS | 10 |
| | 1/2" | 11/16"-20 | 79NAB88VS | 10 |
| 5/8" | 3/8" | 13/16"-18 | 79NAB106VS | 5 |
| | 1/2" | 13/16"-18 | 79NAB108VS | 5 |
| 3/4" | 1/2" | 1"-18 | 79NAB128VS | 2 |

# Air Brake Fittings

## Male Branch Tees

**Features**
- Ref. SAE 100425 BA
- Thread sealant may be white or burnt orange

| Tube Size | Pipe Thread | Straight Thread | Part # | Pkg Qty |
|---|---|---|---|---|
| 3/16" | 1/8" | 7/16"-24 | 72NAB32VS | 10 |
| 1/4" | 1/8" | 7/16"-24 | 72NAB42VS | 10 |
| | 1/4" | 7/16"-24 | 72NAB44VS | 10 |
| 3/8" | 1/8" | 17/32"-24 | 72NAB62VS | 10 |
| | 1/4" | 17/32"-24 | 72NAB64VS | 10 |
| | 3/8" | 17/32"-24 | 72NAB66VS | 10 |
| 1/2" | 1/4" | 11/16"-20 | 72NAB84VS | 10 |
| | 3/8" | 11/16"-20 | 72NAB86VS | 10 |
| | 1/2" | 11/16"-20 | 72NAB88VS | 10 |
| 5/8" | 1/2" | 13/16"-18 | 72NAB108VS | 10 |





## Union Tees

**Feature**
- Ref. SAE 100401 BA

| Tube Size | Straight Thread | Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 7/16"-24 | 64NAB4 | 25 |
| 3/8" | 17/32"-24 | 64NAB6 | 10 |
| 1/2" | 11/16"-20 | 64NAB8 | 10 |
| 5/8" | 13/16"-18 | 64NAB10 | 10 |



## Male Run Tees

**Features**
- Ref. SAE 100424 BA
- Thread sealant may be white or burnt orange

| Tube Size | Pipe Thread | Straight Thread | Part # | Pkg Qty |
|---|---|---|---|---|
| 1/4" | 1/8" | 7/16"-24 | 71NAB42VS | 10 |
| | 1/4" | 7/16"-24 | 71NAB44VS | 10 |
| 3/8" | 1/4" | 17/32"-24 | 71NAB64VS | 10 |
| | 3/8" | 17/32"-24 | 71NAB66VS | 10 |
| 1/2" | 3/8" | 11/16"-20 | 71NAB86VS | 10 |
| | 1/2" | 11/16"-20 | 71NAB88VS | 10 |
| 5/8" | 1/2" | 13/16"-18 | 71NAB108VS | 5 |



## Sleeves

**Feature**
- Ref. SAE 100115

| Tube Size | Part # | Pkg Qty |
|---|---|---|
| 3/16" | 60NAB3 | 100 |
| 1/4" | 60NAB4 | 100 |
| 3/8" | 60NAB6 | 100 |
| 1/2" | 60NAB8 | 100 |
| 5/8" | 60NAB10 | 10 |



# Air Brake Fittings

## Inserts



**Feature**
- For SAE J844 tubing

| Tube Size | 302 / 304 Stainless Steel Part # | Pkg Qty |
|---|---|---|
| 1/4" | 63NAB4 | 200 |
| 3/8" | 63NAB6 | 200 |
| 1/2" | 63NAB8 | 100 |
| 5/8" | 63NAB10 | 100 |
| 3/4" | 63NAB12 | 100 |

## Nuts



**Feature**
- Ref. SAE 100110

| Tube Size | Male NPT | Part # | Pkg Qty |
|---|---|---|---|
| 3/16" | 5/16"-24 | 61NAB3 | 100 |
| 1/4" | 7/16"-24 | 61NAB4 | 100 |
| 3/8" | 17/32"-24 | 61NAB6 | 100 |
| 1/2" | 11/16"-20 | 61NAB8 | 50 |
| 5/8" | 13/16"-18 | 61NAB10 | 25 |
| 3/4" | 1"-18 | 61NAB12 | 25 |

# Air Brake Fittings for Rubber Hose

**Application**
- For use with SAE J1402 air brake hose in making hose assemblies

**Feature**
- Will meet D.O.T. FMVSS 571-106 standards when used with SAE J1402 air brake hose

**Specifications**
- Working pressure: up to **225 PSI**
- Temperature: **-50°F** to **212°F (-46° to 100°C)**

**Assembly Guide**
1. Slide nut onto hose
2. Slide sleeve onto hose with tapered edge toward fitting body
3. Firmly bottom the hose into fittings
4. Screw nut onto body until it contacts the fittings body's hex

## Hose Springs



| Hose Size | Length | Brass Alloy 360 Part # |
|---|---|---|
| 3/8" | 2.70" | 56RBSG-06 |
| 1/2" | 2.70" | 56RBSG-08 |

## Spring Guard Nuts



| Hose Size | Straight Thread | Brass Alloy 360 Part # |
|---|---|---|
| 3/8" | 31/32"-20 | 61RBSG-06 |
| 1/2" | 1-3/32-20 | 61RBSG-08 |

# Air Brake Fittings for Rubber Hose

## Hose Nut with Attached Springs

| Hose Size | Length | Brass Alloy 360 Part # |
|---|---|---|
| 3/8" | 3.55" | 67RBSG-06 |
| 1/2" | 3.50" | 67RBSG-08 |





## Male Connectors

| Tube O.D. | Pipe Thread | Straight Thread | Hex | Brass Alloy 360 Part # |
|---|---|---|---|---|
| 3/8" | 1/4" | 31/32"-20 | 31/32" | 68RB-0604B |
| | 3/8" | 31/32"-20 | 31/32" | 68RB-0606B |
| | 1/2" | 31/32"-20 | 31/32" | 68RB-0608B |
| 1/2" | 3/8" | 1-3/32"-20 | 1-1/8" | 68RB-0806B |
| | 1/2" | 1-3/32"-20 | 1-1/8" | 68RB-0808B |



## Male Connectors with Spring Guards

| Hose Size | Pipe Thread | Hex | Brass Alloy 360 Part # |
|---|---|---|---|
| 3/8" | 1/4" | 1-1/16" | 68RBSG-0604 |
| | 3/8" | 1-1/16" | 68RBSG-0606 |
| | 1/2" | 1-1/16" | 68RBSG-0608 |
| 1/2" | 3/8" | 1-1/4" | 68RBSG-0806 |
| | 1/2" | 1-1/4" | 68RBSG-0808 |



## Sleeves

| Hose Size | Length | Brass Alloy 360 Part # |
|---|---|---|
| 3/8" | .64" | 60RB-06 |
| 1/2" | .64" | 60RB-08 |



## Nuts

| Hose Size | Thread | Hex | Brass Alloy 360 Part # |
|---|---|---|---|
| 3/8" | 31/32"-20 | 1-1/32" | 61RB-06 |
| 1/2" | 1-3/32"-20 | 1-1/4" | 61RB-08 |



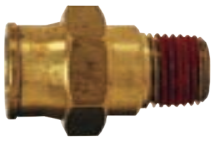
# Brass Push-In Fittings

### Features

- Saves up to 75% of assembly time compared to the standard compression fittings
- Quick connect: simply push tubing in, no tools required
- Quick disconnect: hold two fingers on insert and pull tubing out, no tools required
- Reusable: connect and disconnect numerous times
- Full-flow design provides up to 60% more flow than conventional fittings with internal tube supports
- Positive seal: no leaks; after tubing is inserted, seal is made
- Secure tube retention: pulling on tubing only serves to tighten the connection
- Pre-applied PTFE based pipe sealant on all male pipe threads saves customer additional labor
- Working pressure: fittings are suitable for use up to the maximum working pressure of the plastic tubing used; also suitable for vacuum service

### Specification

- Temperature range: **-10°F** to **200°F (-23°C to 93°C)**



## Male Connectors

| Tube O.D. | Male NPTF | Forged Brass Part # | Optional Qty |
|---|---|---|---|
| 1/8" | 10-32[1] | 684X10 | 20 |
| | 1/8" | 684X4 | 20 |
| 5/32" | 10-32[1] | 685X10 | 20 |
| | 1/8" | 685X4 | 20 |
| | 1/4" | 685X8 | 10 |
| 3/16" | 10-32[1] | 686X10 | 20 |
| | 1/8" | 686X4 | 20 |
| 1/4" | 10-32[1] | 688X10 | 20 |
| | 1/8" | 688X4 | 20 |
| | 1/4" | 688X8 | 10 |
| | 3/8" | 688X12 | 10 |
| 3/8" | 1/8" | 6812X4 | 10 |
| | 1/4" | 6812X8 | 10 |
| | 3/8" | 6812X12 | 10 |
| | 1/2" | 6812X16 | 5 |
| 1/2" | 1/4" | 6816X8 | 5 |
| | 3/8" | 6816X12 | 5 |
| | 1/2" | 6816X16 | 5 |

[1] UNF - Straight thread, supplied with gasket



## Female Connectors

| Tube O.D. | Female NPTF | Forged Brass Part # | Optional Qty |
|---|---|---|---|
| 1/8" | 1/8" | 664X4 | 10 |
| 5/32" | 1/8" | 665X4 | 10 |
| 1/4" | 1/8" | 668X4 | 10 |
| 1/4" | 1/4" | 668X8 | 10 |
| 3/8" | 1/4" | 6612X8 | 10 |
| 3/8" | 3/8" | 6612X12 | 5 |

# Brass Push-In Fittings

## Unions

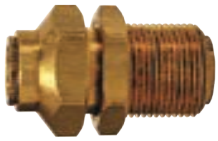
| Tube O.D. | Forged Brass Part # | Optional Qty |
|---|---|---|
| 1/8" | 624 | 20 |
| 5/32" | 625 | 10 |
| 1/4" | 628 | 10 |
| 3/8" | 6212 | 10 |
| 1/2" | 6216 | 5 |





## Bulkhead Unions

| Tube O.D. | Male NPT | Forged Brass Part # | Optional Qty |
|---|---|---|---|
| 1/8" | 7/16"-20 | 824 | 10 |
| 5/32" | 7/16"-20 | 825 | 10 |
| 1/4" | 1/2"-20 | 828 | 10 |
| 3/8" | 3/4"-16 | 8212 | 5 |
| 1/2" | 15/16"-16 | 8216 | 5 |



## Male Elbows

| Tube O.D. | Male NPTF | Forged Brass Part # | Optional Qty |
|---|---|---|---|
| 1/8" | 1/8" | 694X4 | 10 |
| 5/32" | 1/8" | 695X4 | 10 |
| 3/16" | 1/8" | 696X4 | 10 |
| 1/4" | 1/8" | 698X4 | 10 |
| | 1/4" | 698X8 | 10 |
| | 3/8" | 698X12 | 10 |
| 3/8" | 1/8" | 6912X4 | 10 |
| | 1/4" | 6912X8 | 10 |
| | 3/8" | 6912X12 | 10 |
| 1/2" | 1/4" | 6916X8 | 5 |
| | 3/8" | 6916X12 | 5 |



## Female Elbows

| Tube O.D. | Female NPTF | Forged Brass Part # | Optional Qty |
|---|---|---|---|
| 5/32" | 1/8" | 705X4 | 10 |
| 1/4" | 1/8" | 708X4 | 10 |
| 1/4" | 1/4" | 708X8 | 5 |
| 3/8" | 1/4" | 7012X8 | 5 |



# Brass Push-In Fittings



## Union Elbows



| Tube O.D. | Forged Brass Part # | Optional Qty |
|---|---|---|
| 1/8" | 654 | 10 |
| 5/32" | 655 | 10 |
| 1/4" | 658 | 10 |
| 3/8" | 6512 | 10 |
| 1/2" | 6516 | 5 |

## Male Swivel Elbows



| Tube O.D. | Male NPTF | Forged Brass Part # | Optional Qty |
|---|---|---|---|
| 1/8" | 1/8" | 69S4X4 | 10 |
| 5/32" | 10-32[1] | 69S5X10 | 10 |
| | 1/8" | 69S5X4 | 10 |
| | 1/4" | 69S5X8 | 10 |
| 1/4" | 10-32[1] | 69S8X10 | 10 |
| | 1/8" | 69S8X4 | 10 |
| | 1/4" | 69S8X8 | 10 |
| | 3/8" | 69S8X12 | 10 |
| 3/8" | 1/8" | 69S12X4 | 10 |
| | 1/4" | 69S12X8 | 10 |
| | 3/8" | 69S12X12 | 5 |
| | 1/2" | 69S12X16 | 5 |
| 1/2" | 3/8" | 69S16X12 | 5 |
| | 1/2" | 69S16X16 | 5 |

[1] UNF - Straight thread, supplied with gasket

## Male Branch Tees



| Tube O.D. | Male NPTF | Forged Brass Part # | Optional Qty |
|---|---|---|---|
| 1/8" | 1/8" | 724X4 | 10 |
| 5/32" | 1/8" | 725X4 | 10 |
| 1/4" | 1/8" | 728X4 | 10 |
| | 1/4" | 728X8 | 5 |
| 3/8" | 1/8" | 7212X4 | 5 |
| | 1/4" | 7212X8 | 5 |
| | 3/8" | 7212X12 | 5 |
| 1/2" | 3/8" | 7216X12 | 5 |

## Union Tees



| Tube O.D. | Forged Brass Part # | Optional Qty |
|---|---|---|
| 1/8" | 644 | 10 |
| 5/32" | 645 | 10 |
| 3/16" | 646 | 10 |
| 1/4" | 648 | 10 |
| 3/8" | 6412 | 5 |

# Brass Push-In Fittings

## Male Swivel Branch Tees

| Tube O.D. | Male NPTF | Forged Brass Part # | Optional Qty |
|---|---|---|---|
| 1/8" | 1/8" | 72S4X4 | 10 |
| 5/32" | 1/8" | 72S5X4 | 10 |
| 1/4" | 1/8" | 72S8X4 | 10 |
| | 1/4" | 72S8X8 | 5 |
| 3/8" | 1/4" | 72S12X8 | 5 |
| | 3/8" | 72S12X12 | 5 |
| 1/2" | 3/8" | 72S16X12 | 5 |
| | 1/2" | 72S16X16 | 5 |



## Male Run Tees

| Tube O.D. | Male NPTF | Forged Brass Part # | Optional Qty |
|---|---|---|---|
| 1/8" | 1/8" | 714X4 | 10 |
| 5/32" | 1/8" | 715X4 | 10 |
| 1/4" | 1/8" | 718X4 | 10 |
| | 1/4" | 718X8 | 5 |
| 3/8" | 1/8" | 7112X4 | 5 |
| | 1/4" | 7112X8 | 5 |
| | 3/8" | 7112X12 | 5 |
| 1/2" | 3/8" | 7116X12 | 5 |



## Male Swivel Run Tees

| Tube O.D. | Male NPTF | Forged Brass Part # | Optional Qty |
|---|---|---|---|
| 1/8" | 1/8" | 71S4X4 | 10 |
| 5/32" | 10-32 [1] | 71S5X10 | 10 |
| | 1/8" | 71S5X4 | 5 |
| 1/4" | 1/8" | 71S8X4 | 5 |
| | 1/4" | 71S8X8 | 5 |
| 3/8" | 1/4" | 71S12X8 | 5 |
| | 3/8" | 71S12X12 | 5 |
| 1/2" | 3/8" | 71S16X12 | 5 |
| | 1/2" | 71S16X16 | 5 |



[1] UNF - Straight thread, supplied with gasket.



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## Stainless Steel Legris Push-In Fittings

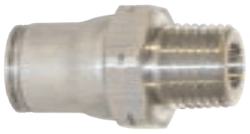
### Applications
- Suitable for many industries such as: chemical, food, packaging, and medical

### Features
- Maximum circuit pressure depends equally on the type and diameter of the tube used.
- Materials conforming to FDA and 1934/2004 CE standards

### Materials
- Body - AISI 316 stainless steel
- Backup washer - 316L stainless steel
- Collet - 303L stainless steel
- Seal - FKM O-ring
- Thread sealant does not come pre-applied on male threads, allowing the appropriate sealant for the application to be applied by the user
- Silicone-free

### Specifications
- Temperature range: **-13°F** to **302°F (-25°C** to **150°C)**
- Maximum operating pressure: **435 PSI (30 bar)**
- Vacuum capability: 28" HG

### Compatible with a range of tubes
- Semi-rigid nylon tube
- Flexible polyurethane tube
- Low density polyethylene
- PTFE tube FEP 140
- Stainless steel and copper tube (when grooved)



### Straight Male Connectors

| Tube O.D. | Male NPT | Stainless Steel Part # | Optional Qty |
|---|---|---|---|
| 1/4" | 1/8" | 38055611 | 10 |
| | 1/4" | 38055614 | 10 |
| 3/8" | 1/4" | 38056014 | 10 |
| | 3/8" | 38056018 | 10 |
| 1/2" | 3/8" | 38056218 | 10 |
| | 1/2" | 38056222 | 10 |

NOTE: Internal hex allows ease of assembly in tight places



### Unions

| Tube O.D. | Stainless Steel Part # | Optional Qty |
|---|---|---|
| 1/4" | 38065600 | 10 |
| 3/8" | 38066000 | 10 |
| 1/2" | 38066200 | 10 |



### Bulkhead Connector Unions

| Tube O.D. | Stainless Steel Part # | Optional Qty |
|---|---|---|
| 1/4" | 38165600 | 10 |
| 3/8" | 38166000 | 10 |
| 1/2" | 38166200 | 10 |

# Stainless Steel Legris Push-In Fittings

## Male Elbows

| Tube O.D. | Male NPT | Stainless Steel Part # | Optional Qty |
|---|---|---|---|
| 1/4" | 1/8" | 38895611 | 10 |
| | 1/4" | 38895614 | 10 |
| 3/8" | 1/4" | 38896014 | 10 |
| | 3/8" | 38896018 | 10 |
| 1/2" | 3/8" | 38896218 | 10 |
| | 1/2" | 38896222 | 10 |



NOTE: Body is orientable for positioning purposes

## Equal Elbow Unions

| Tube O.D. | Stainless Steel Part # | Optional Qty |
|---|---|---|
| 1/4" | 38025600 | 10 |



## Union Tees

| Tube O.D. | Stainless Steel Part # | Optional Qty |
|---|---|---|
| 1/4" | 38045600 | 10 |
| 3/8" | 38046000 | 10 |
| 1/2" | 38046200 | 10 |



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## Nickel-Plated Brass Legris Push-In Fittings

### Applications
- Push-to-connect forged fittings are nickel plated and have an FKM seal making them suitable to use with liquids and gaseous fluids
- Fittings are plated with a high phosphorous FDA nickel plate allowing them to be used in applications where exposure to harsh environments is present
- Applications include: food industry, packaging, robotics, pulp and paper, and wash down

### Features
- FDA compliant
- Vacuum capability: 28" HG maximum circuit pressure (depends on media, temperature and diameter of tube used)
- Full flow
- Excellent resistance to abrasion and corrosion
- Silicone free
- Available in fractional and metric sizes

### Specifications
- Temperature range: **-4°F** to **302°F (-20°C** to **150°C)**
- Pressure range: up to **435 PSI**

### Construction
- Body: high phosphorous FDA nickel plated brass
- Back-up washer: high phosphorous FDA nickel plated brass
- Collet: high phosphorous FDA nickel plated brass
- O-ring: FKM fluoroelastomer conforming to FDA standards
- Base: high phosphorous FDA nickel plated brass
- Thread sealant is intentionally left off product so the appropriate sealant for the application can be applied



### Male Connectors

| Tube O.D. | Male NPT | Nickel-plated Brass Part # | Optional Qty |
|---|---|---|---|
| 5/32" | 10-32[1] | 36010420 | 10 |
| | 1/8" | 36750411 | 10 |
| | 1/4" | 36750414 | 10 |
| 1/4" | 10-32[1] | 36015620 | 10 |
| | 1/8" | 36755611 | 10 |
| | 1/4" | 36755614 | 10 |
| | 3/8" | 36755618 | 10 |
| 3/8" | 1/8" | 36756011 | 10 |
| | 1/4" | 36756014 | 10 |
| | 3/8" | 36756018 | 10 |
| | 1/2" | 36756022 | 10 |
| 1/2" | 3/8" | 36756218 | 10 |
| | 1/2" | 36756222 | 10 |

[1] UNF - Straight thread, supplied with gasket and plastic button



### Female Connectors

| Tube O.D. | Female NPT | Nickel-plated Brass Part # | Optional Qty |
|---|---|---|---|
| 5/32" | 1/4" | 36150414 | 10 |
| 1/4" | 1/8" | 36155611 | 10 |
| | 1/4" | 36155614 | 10 |
| 3/8" | 1/4" | 36156014 | 10 |
| | 3/8" | 36156018 | 10 |
| 1/2" | 3/8" | 36156218 | 10 |
| | 1/2" | 36156222 | 10 |



### Equal Unions

| Tube O.D. | Nickel-plated Brass Part # | Optional Qty |
|---|---|---|
| 5/32" | 36060400 | 10 |
| 1/4" | 36065600 | 10 |
| 3/8" | 36066000 | 10 |

# Nickel-Plated Brass Legris Push-In Fittings

## Union Elbows

| Tube O.D. | Nickel-plated Brass Part # | Optional Qty |
|---|---|---|
| 5/32" | 36020400 | 10 |
| 1/4" | 36025600 | 10 |
| 3/8" | 36026000 | 10 |
| 1/2" | 36026200 | 10 |





## Male Elbows

| Tube O.D. | Male NPT | Nickel-plated Brass Part # | Optional Qty |
|---|---|---|---|
| 5/32" | 10-32[1] | 36990420 | 10 |
| | 1/8" | 36090411 | 10 |
| | 1/4" | 36090414 | 10 |
| 1/4" | 1/8" | 36095611 | 10 |
| | 1/4" | 36095614 | 10 |
| | 3/8" | 36095618 | 10 |
| 3/8" | 1/4" | 36096014 | 10 |
| | 3/8" | 36096018 | 10 |
| | 1/2" | 36096022 | 10 |
| 1/2" | 1/2" | 36096222 | 10 |



[1] UNF - Straight thread, supplied with gasket and plastic button
NOTE: Body is orientable for positioning purposes

## Union Tees

| Tube O.D. | Nickel-plated Brass Part # | Optional Qty |
|---|---|---|
| 5/32" | 36040400 | 10 |
| 1/4" | 36045600 | 10 |
| 3/8" | 36046000 | 10 |
| 1/2" | 36046200 | 10 |



## Male Run Tees

| Tube O.D. | Male NPT | Nickel-plated Brass Part # | Optional Qty |
|---|---|---|---|
| 5/32" | 10-32[1] | 36930420 | 10 |
| | 1/8" | 36030411 | 10 |
| | 1/4" | 36030414 | 10 |
| 1/4" | 1/8" | 36035611 | 10 |
| | 1/4" | 36035614 | 10 |
| | 3/8" | 36035618 | 10 |
| 3/8" | 1/4" | 36036014 | 10 |
| | 3/8" | 36036018 | 10 |



[1] UNF - Straight thread, supplied with gasket and plastic button
NOTE: Body is orientable for positioning purposes

## Nylon/Nickel-Plated Brass Legris Push-In Fittings

**Features**
- Positive seal: sealing and holding is accomplished instantaneously
- Reusable: connect and disconnect numerous times
- Full flow: fitting seals on outside diameter of tubing
- Pre-applied thread sealant on all tapered male pipe threads
- Compatible tubing: semi-rigid nylon, polyurethane, and polyethylene tube
- Maximum circuit pressure depends equally on the type and diameter of the tube used

**Materials**
- Nickel-plated brass threads; black body is glass-filled nylon; nitrile rubber D-seal; polypropylene release button; silicone-free

**Specifications**
- Working pressure: **290 PSI** at ambient temperature
- Temperature range: **-4°F** to **175°F (-20°C to 79°C)**
- Vacuum capability: vacuum of 28" Hg (99% vacuum)

**Quick Connect and Disconnect**
- To connect, simply push tubing in
- To disconnect, press the release ring towards the fitting and pull tubing out
- No tools required

**Gripping Ring Technology**







### Male Connectors

| Tube O.D. | Male NPT | Nylon / Nickel-plated Brass Part # | Optional Qty |
|---|---|---|---|
| 1/8" | 1/16" | 31755308 | 10 |
| | 1/8" | 31755311 | 10 |
| | 1/4" | 31755314 | 10 |
| 5/32" | 1/8" | 31750411 | 10 |
| | 1/4" | 31750414 | 10 |
| 1/4" | 1/8" | 31755611 | 10 |
| | 1/4" | 31755614 | 10 |
| | 3/8" | 31755618 | 10 |
| 5/16" | 1/8" | 31750811 | 10 |
| | 1/4" | 31750814 | 10 |
| | 3/8" | 31750818 | 10 |
| 3/8" | 1/8" | 31756011 | 10 |
| | 1/4" | 31756014 | 10 |
| | 3/8" | 31756018 | 10 |
| | 1/2" | 31756022 | 10 |
| 1/2" | 1/4" | 31756214 | 10 |
| | 3/8" | 31756218 | 10 |
| | 1/2" | 31756222 | 10 |



### Female Connectors

| Tube O.D. | Female NPT | Nylon / Nickel-plated Brass Part # | Optional Qty |
|---|---|---|---|
| 1/8" | 1/8" | 30145311 | 10 |
| | 1/4" | 30145314 | 10 |
| 5/32" | 1/8" | 30140411 | 10 |
| | 1/4" | 30140414 | 10 |
| 1/4" | 1/8" | 30145611 | 10 |
| | 1/4" | 30145614 | 10 |
| 5/16" | 1/8" | 30140811 | 10 |
| | 1/4" | 30140814 | 10 |
| 3/8" | 1/8" | 30146011 | 10 |
| | 1/4" | 30146014 | 10 |
| | 3/8" | 30146018 | 10 |



### Hybrid Male Connectors

| Tube O.D. | Male BSPT | Nylon / Nickel-plated Brass Part # | Optional Qty |
|---|---|---|---|
| 1/4" | 1/8" | 31755610 | 10 |

# Nylon/Nickel-Plated Brass Legris Push-In Fittings

## Female Elbows

| Tube O.D. | Female NPT | Nylon / Nickel-Plated Brass Part # | Optional Qty |
|---|---|---|---|
| 1/8" | 1/8" | 30095311 | 10 |
| 5/32" | 1/4" | 30090414 | 10 |
| 1/4" | 1/8" | 30095611 | 10 |
| | 1/4" | 30095614 | 10 |
| 5/16" | 1/8" | 30090811 | 10 |
| | 1/4" | 30090814 | 10 |
| 3/8" | 1/4" | 30096014 | 10 |
| 1/2" | 3/8" | 30096218 | 10 |



## Male Elbows

| Tube O.D. | Male NPT | Nylon / Nickel Plated Brass Part # | Optional Qty |
|---|---|---|---|
| 1/8" | 10-32[1] | 31095320 | 10 |
| | 1/16" | 31095308 | 10 |
| | 1/8" | 31095311 | 10 |
| | 1/4" | 31095314 | 10 |
| 5/32" | 10-32[1] | 31090420 | 10 |
| | 1/8" | 31090411 | 10 |
| | 1/4" | 31090414 | 10 |
| 1/4" | 10-32[1] | 31095620 | 10 |
| | 1/8" | 31095611 | 10 |
| | 1/4" | 31095614 | 10 |
| | 3/8" | 31095618 | 10 |
| 5/16" | 1/8" | 31090811 | 10 |
| | 1/4" | 31090814 | 10 |
| | 3/8" | 31090818 | 10 |
| 3/8" | 1/8" | 31096011 | 10 |
| | 1/4" | 31096014 | 10 |
| | 3/8" | 31096018 | 10 |
| | 1/2" | 31096022 | 10 |
| | 1/4" | 31096214 | 10 |
| 1/2" | 3/8" | 31096218 | 10 |
| | 1/2" | 31096222 | 10 |



[1] UNF - Straight thread, supplied with gasket
NOTE: Body is orientable for positioning purposes

## 45° Male Elbows

| Tube O.D. | Male NPT | Nylon / Nickel Plated Brass Part # | Optional Qty |
|---|---|---|---|
| 1/4" | 1/8" | 31135611 | 10 |
| | 1/4" | 31135614 | 10 |
| 3/8" | 1/4" | 31136014 | 10 |
| | 3/8" | 31136018 | 10 |



NOTE: Body is orientable for positioning purposes

## Extended Male Elbows

| Tube O.D. | Male NPT | Nylon / Nickel Plated Brass Part # | Optional Qty |
|---|---|---|---|
| 1/4" | 1/8" | 31295611 | 10 |
| | 1/4" | 31295614 | 10 |
| 3/8" | 1/4" | 31296014 | 10 |
| | 3/8" | 31296018 | 10 |



## Nylon/Nickel-Plated Brass Legris Push-In Fittings

### Male Branch Tees



| Tube O.D. | Male NPT | Nylon / Nickel-Plated Brass Part # | Optional Qty |
|---|---|---|---|
| 1/8" | 10-32[1] | 31085320 | 10 |
| | 1/8" | 31085311 | 10 |
| 5/32" | 10-32[1] | 31080420 | 10 |
| | 1/8" | 31080411 | 10 |
| | 1/4" | 31080414 | 10 |
| 1/4" | 1/8" | 31085611 | 10 |
| | 1/4" | 31085614 | 10 |
| | 3/8" | 31085618 | 10 |
| 5/16" | 1/8" | 31080811 | 10 |
| | 1/4" | 31080814 | 10 |
| | 3/8" | 31080818 | 10 |
| 3/8" | 1/8" | 31086011 | 10 |
| | 1/4" | 31086014 | 10 |
| | 3/8" | 31086018 | 10 |
| | 1/2" | 31086022 | 10 |
| 1/2" | 1/4" | 31086214 | 10 |
| | 3/8" | 31086218 | 10 |
| | 1/2" | 31086222 | 10 |

[1] UNF - Straight thread, supplied with gasket
NOTE: Body is orientable for positioning purposes

### Male Run Tees



| Tube O.D. | Male NPT | Nylon / Nickel-Plated Brass Part # | Optional Qty |
|---|---|---|---|
| 1/8" | 10-32[1] | 31035320 | 10 |
| | 1/16" | 31035308 | 10 |
| | 1/8" | 31035311 | 10 |
| 5/32" | 10-32[1] | 31030420 | 10 |
| | 1/8" | 31030411 | 10 |
| | 1/4" | 31030414 | 10 |
| 1/4" | 1/8" | 31035611 | 10 |
| | 1/4" | 31035614 | 10 |
| | 3/8" | 31035618 | 10 |
| 5/16" | 1/8" | 31030811 | 10 |
| | 1/4" | 31030814 | 10 |
| 3/8" | 1/8" | 31036011 | 10 |
| | 1/4" | 31036014 | 10 |
| | 3/8" | 31036018 | 10 |
| 1/2" | 1/4" | 31036214 | 10 |
| | 3/8" | 31036218 | 10 |
| | 1/2" | 31036222 | 10 |

[1] UNF - Straight thread, supplied with gasket
NOTE: Body is orientable for positioning purposes

### Push-In Male Wyes



| Tube O.D. | Male NPT | Nylon / Nickel Plated Brass Part # | Optional Qty |
|---|---|---|---|
| 5/32" | 1/8" | 31480411 | 10 |
| | 1/4" | 31480414 | 10 |
| 1/4" | 1/8" | 31485611 | 10 |
| | 1/4" | 31485614 | 10 |

# Nylon Legris Push-In Fittings

## Unions

| Tube O.D. | Nylon Part # | Optional Qty |
|---|---|---|
| 1/8" | 31065300 | 10 |
| 5/32" | 31060400 | 10 |
| 1/4" | 31065600 | 10 |
| 5/16" | 31060800 | 10 |
| 3/8" | 31066000 | 10 |
| 1/2" | 31066200 | 10 |





## Bulkhead Unions

| Tube O.D. | Nylon Part # | Optional Qty |
|---|---|---|
| 1/8" | 31165300 | 10 |
| 5/32" | 31160400 | 10 |
| 1/4" | 31165600 | 10 |
| 5/16" | 31160800 | 10 |
| 3/8" | 31166000 | 10 |
| 1/2" | 31166200 | 10 |



## Union Elbows

| Tube O.D. | Nylon Part # | Optional Qty |
|---|---|---|
| 1/8" | 31025300 | 10 |
| 5/32" | 31020400 | 10 |
| 1/4" | 31025600 | 10 |
| 5/16" | 31020800 | 10 |
| 3/8" | 31026000 | 10 |
| 1/2" | 31026200 | 10 |



## Plugs

| Tube O.D. | Plastic Part # | Optional Qty |
|---|---|---|
| 1/8" | 31265300 | 10 |
| 5/32" | 31260400 | 10 |
| 1/4" | 31265600 | 10 |
| 5/16" | 31260800 | 10 |
| 3/8" | 31266000 | 10 |
| 1/2" | 31266200 | 10 |



## Union Tees

| Tube O.D. | Nylon Part # | Optional Qty |
|---|---|---|
| 1/8" | 31045300 | 10 |
| 5/32" | 31040400 | 10 |
| 1/4" | 31045600 | 10 |
| 5/16" | 31040800 | 10 |
| 3/8" | 31046000 | 10 |
| 1/2" | 31046200 | 10 |



## Tube Wyes

| Tube O.D. | Nylon Part # | Optional Qty |
|---|---|---|
| 1/8" | 31405300 | 10 |
| 5/32" | 31400400 | 10 |
| 1/4" | 31405600 | 10 |
| 5/16" | 31400800 | 10 |



## Nylon / Nickel-Plated Brass Legris Push-In Fitting Kit

**Features**
- Kit includes plastic case with threaded connectors, threaded elbows and several tube-to-tube connector configurations found on pages 249 - 251
- A tubing cutter is also included

| Part # |
|---|
| TFK |

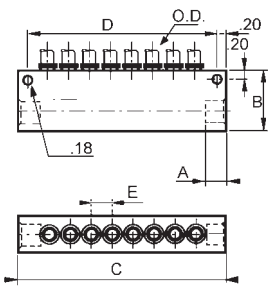




**Kit contains the following parts:**

| Part # | Qty | Description |
|---|---|---|
| 31755311 | 10 | tube to male NPT connector |
| 31750411 | 10 | tube to male NPT connector |
| 31755611 | 10 | tube to male NPT connector |
| 31755614 | 10 | tube to male NPT connector |
| 31756014 | 5 | tube to male NPT connector |
| 31756018 | 5 | tube to male NPT connector |
| 31090411 | 10 | tube to male NPT elbow |
| 31095611 | 10 | tube to male NPT elbow |
| 31095614 | 10 | tube to male NPT elbow |
| 31096011 | 5 | tube to male NPT elbow |
| 31096014 | 5 | tube to male NPT elbow |
| 31096018 | 5 | tube to male NPT elbow |
| 31060400 | 10 | tube to tube union |
| 31065600 | 10 | tube to tube union |
| 31066000 | 5 | tube to tube union |
| 31400400 | 10 | Y connector |
| 31405600 | 10 | Y connector |
| 31406000 | 5 | Y connector |
| 31040400 | 10 | tube to tube union tee |
| 31045600 | 5 | tube to tube union tee |
| 31046000 | 5 | tube to tube union tee |
| 30007100 | 1 | tubing cutter |






## Legris Modular Manifold

**Feature**
- Manifold with push-to-connect ports

| O.D. | NPT Size | Number of Outlets | Dimensions | | | | | Part # |
|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | E | |
| 1/4" | 1/4" | 8 | .55 | 1.30 | 4.92 | 4.53 | .50 | 33155614 |

## Legris Composite Mini Ball Valves

**Application**
- Valves enable in-line opening and closing of a pneumatic circuit

**Features**
- 2-way, non-venting valve
- Compact and lightweight, suited to all types of installation
- Suitable fluid: compressed air
- A screwdriver slot allows opening and closing even when access is difficult
- Handle is differentiated by a blue color and marked with the corresponding pneumatic symbol enabling immediate identification by the user




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**Material**
- Nylon body with nickel-plated brass ball

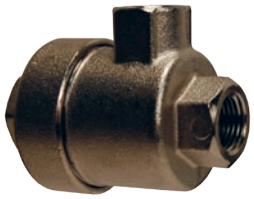
**Specifications**
- Maximum operating pressure: **145 PSI**
- Vacuum rating: vacuum of 28" Hg (99% of vacuum)
- Temperature range: **-4°F** to **175°F (-20°C** to **79°C)**

| Size | Part # |
|---|---|
| 5/32" | 79100400 |
| 1/4" | 79105600 |
| 5/16" | 79100800 |
| 3/8" | 79106000 |

## Legris Quick Exhaust Valves

**Application**
- Can be used with all pneumatic equipment

**Features**
- Increases system efficiency and the speed of a cylinder by purging cylinder air at the cylinder port rather than the control valve



**Materials**
- Body: nickel-plated brass
- Piston: polyurethane
- Seals: nylon

**Specifications**
- Pressure range: **10 PSI** to **150 PSI**
- Temperature range: **0°F** to **160°F (-17°C** to **71°C)**

| NPT Thread | Part # |
|---|---|
| 1/8" | 79821111 |
| 1/4" | 79821414 |
| 3/8" | 79821818 |
| 1/2" | 79822222 |

## Legris Compact Flow Control Valves

**Features**
- Valves control the speed of a cylinder by regulating air exhaust. Intake air flows freely through the flow control and exhaust air is metered out through a specially designed fine adjustment screw
- Push-to-connect, meter out flow control, one-piece design




**Material**
- Body: nylon

**Specifications**
- Control pressure range: **15 PSI** to **145 PSI**
- Temperature range: **32°F** to **158°F (0°C** to **70°C)**

| Tube O.D. | NPT Size | Part # | Optional Qty |
|---|---|---|---|
| 5/32" | 1/8" | 70650411 | 10 |
| 1/4" | 1/8" | 70655611 | 10 |
| | 1/4" | 70655614 | 10 |
| | 1/4" | 70656014 | 10 |

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# Legris Flow Control Valves

## Miniature Exhaust



**Features**
- Control the speed of a cylinder by regulating air exhaust
- Exhaust air is metered out through a specially designed fine adjustment screw
- Push-to connect, meter out flow control, one-piece design

**Materials**
- Body: nylon

**Specifications**
- Control pressure range: **15 PSI** to **145 PSI**
- Temperature range: **30°F** to **158°F (-1°C** to **70°C)**

| Tube O.D. | NPT Size | Part # | Optional Qty |
|---|---|---|---|
| 5/32" | 10-32[1] | 76600420 | 10 |
| | 1/8" | 76650411 | 10 |
| 1/4" | 10-32[1] | 76605620 | 10 |
| | 1/8" | 76655611 | 10 |
| | 1/4" | 76655614 | 10 |

[1] UNF - Straight thread, supplied with gasket

## In-Line

**Application**
- Used where cylinder access is difficult or another fitting is attached to the cylinder port

**Features**
- Working fluid: compressed air
- Stackable using the two joining clips supplied or panel mountable using existing holes

**Materials**
- Body: nylon
- Gripping ring: stainless steel
- Adjustment screw: nickel plated brass
- Locking nut: nickel plated brass

**Specifications**
- Pressure range: **15 PSI** to **145 PSI**
- Temperature range: **32°F** to **158°F (0°C** to **70°C)**



| Tube O.D. | Part # | Optional Qty |
|---|---|---|
| 5/32" | 77700400 | 10 |
| 1/4" | 77705600 | 10 |
| 3/8" | 77706000 | 10 |
| 1/4" | 77706200 | 10 |

## Threaded In-Line

**Features**
- Intake air flows freely through the flow control; exhaust air is metered out through an adjustment screw
- Arrow on the body of the valve indicates the direction of controlled flow
- May be installed as meter in or meter out devices
- Unidirectional flow control valves
- Working fluid: compressed air

**Materials**
- Body: nylon with nickel plated brass thread
- Adjustment screw: nickel-plated brass
- Locking nut: nickel-plated brass
- Threads: nickel-plated brass

**Specifications**
- Pressure range: **15 PSI** to **145 PSI**
- Temperature range: **32°F** to **158°F (0°C** to **70°C)**



| Female NPT | Part # |
|---|---|
| 1/8" | 77751111 |
| 1/4" | 77751414 |
| 3/8" | 77751818 |

# Legris Check Valves

## Non-Return In-Line

### Features
- Allows air to pass in one direction while blocking flow in the other direction, a pressure of more than **7 PSI** will overcome the spring pressure and allow flow
- Arrow indicates free flow direction

### Material
- Body: nylon/nickel plated brass



### Specifications
- Maximum operating pressure: **145 PSI** at ambient temperature **70°F (21°C)**

| Tube O.D. | Part # | Optional Qty |
|---|---|---|
| 5/32" | 79960400 | 10 |
| 6mm | 79960600 | 10 |
| 1/4" | 79965600 | 10 |
| 5/16" | 79960800 | 10 |

## In-Line

### Application
- Suitable as a safety item in compressed air circuits

### Features
- Compact, lightweight design meter out check valves
- Allows air to pass in one direction while blocking flow in the other direction
- Arrow on body of the fitting indicates direction of flow, a pressure of more than **7 PSI** will overcome spring pressure keeping the valve closed, thus allowing the passage of air
- Pre-applied thread sealant on tapered threads

### Material
- Body: nylon with nickel plated brass base



### Specification
- Pressure range: **15 PS**I to **145 PSI** at ambient temperature **70°F (21°C)**

| Tube O.D. | NPT Size | Part # |
|---|---|---|
| 5/32" | 10-32[1] | 79940420 |
| | 1/8" | 79950411 |
| 1/4" | 1/8" | 79955611 |
| | 1/4" | 79955614 |
| 3/8" | 1/4" | 79956014 |
| | 3/8" | 79956018 |

[1] UNF - Straight thread, supplied with gasket

## Uni-Directional

### Features
- Blocks the fluid passage when the pressure differential is lower than **3.6 PSI**

### Materials
- Body: 316L stainless steel
- Shut-off valve: 316L stainless steel
- Return spring: 302 stainless steel
- Seals: FKM



### Specifications
- Pressure range: **7 PSI** to **580 PSI**
- Temperature range: **-4°F** to **356°F (-20°** to **180°C)**

| NPT Thread | Part # |
|---|---|
| 1/8" | 48951111 |
| 1/4" | 48951414 |
| 3/8" | 48951818 |



GOODYEAR RUBBER PRODUCTS, INC.
727-342-5088
You can also email us at GRP@goodyearrubberproducts.com

# Legris Metric Push-In Fittings

### Features
- Positive seal: sealing and holding is accomplished instantaneously
- Reusable: connect and disconnect numerous times
- Full flow: fitting seals on outside diameter of tubing
- Pre-applied thread sealant on all tapered male pipe threads
- Compatible tubing: semi-rigid nylon, polyurethane, and polyethylene tube

**Gripping Ring Technology**



### Materials
- Nickel-plated brass, black glass-filled nylon body, nitrile rubber D-seal, polypropylene release button, silicone-free and nylon nickel plated brass, or nylon

E

### Specifications
- Pressure rating: **290 PSI** at ambient temperature
- Temperature range: **-4°F** to **175°F (-20°C** to **79°C)**
- Vacuum rating: vacuum of 28" Hg (99% vacuum)

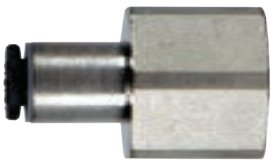
### Quick Connect and Disconnect
- To connect: simply push tubing in
- To disconnect: press the release ring towards the fitting and pull tubing out
- No tools required



## Male BSPT Connectors

| Tube O.D. | Male BSPT | Nickel Plated Brass Part # | Optional Qty |
|---|---|---|---|
| 4 mm | 1/8" | 31750410 | 10 |
| | 1/4" | 31750413 | 10 |
| 6 mm | 1/8" | 31750610 | 10 |
| | 1/4" | 31750613 | 10 |
| 8 mm | 1/8" | 31750810 | 10 |
| | 1/4" | 31750813 | 10 |
| | 3/8" | 31750817 | 10 |
| 10 mm | 1/4" | 31751013 | 10 |
| | 3/8" | 31751017 | 10 |

NOTE: Internal hex allows ease of assembly in tight places



## Female BSPP Connectors

| Tube O.D. | Female BSPP | Nickel Plated Brass Part # | Optional Qty |
|---|---|---|---|
| 4 mm | 1/8" | 31140410 | 10 |
| | 1/4" | 31140413 | 10 |
| 6 mm | 1/8" | 31140610 | 10 |
| | 1/4" | 31140613 | 10 |
| 8 mm | 1/8" | 31140810 | 10 |
| | 1/4" | 31140813 | 10 |



## Male BSPT Elbows

| Tube O.D. | Male BSPT | Nylon / Nickel Plated Brass Part # | Optional Qty |
|---|---|---|---|
| 4 mm | 1/8" | 31090410 | 10 |
| | 1/4" | 31090413 | 10 |
| 6 mm | 1/8" | 31090610 | 10 |
| | 1/4" | 31090613 | 10 |
| 8 mm | 1/8" | 31090810 | 10 |
| | 1/4" | 31090813 | 10 |
| | 3/8" | 31090817 | 10 |
| 10 mm | 1/4" | 31091013 | 10 |
| | 3/8" | 31091017 | 10 |

# Legris Metric Push-In Fittings

## Male Branch Tees

| Tube O.D. | Male BSPT | Nylon / Nickel Plated Brass Part # | Optional Qty |
|---|---|---|---|
| 4 mm | 1/8" | 31080410 | 10 |
| | 1/4" | 31080413 | 10 |
| 6 mm | 1/8" | 31080610 | 10 |
| | 1/4" | 31080613 | 10 |
| 8 mm | 1/8" | 31080810 | 10 |
| | 1/4" | 31080813 | 10 |



NOTE: Body is orientable for positioning purposes

E

## Nylon Tubing

**Features**
- Translucent color
- Resistant to fungus, abrasion, moisture, and UV

**Specification**
- Temperature range: **-60°F** to **200°F (-51°C to 93°C)**

| Size | | Wall Thickness | Working Pressure @ 75°F (24°C) | Length | Part # |
|---|---|---|---|---|---|
| O.D. | I.D. | | | | |
| 4 mm | 2.7 mm | .65 mm | 350 | 25 m | 1025P0400 |
| 6 mm | 4 mm | 1 mm | 340 | 25 m | 1025P0600 |
| 8 mm | 6 mm | 1 mm | 250 | 25 m | 1025P0800 |



NOTE: Tubing cutters sold on page 1003

## Male Threaded Connectors

**Feature**
- Internal hex allows ease of assembly in tight places

| Tube O.D. | Male Thread | Nickel Plated Brass Part # | Optional Qty |
|---|---|---|---|
| 4 mm | M5 | 31010419 | 10 |
| | 1/8 BSPP | 31010410 | 10 |
| 6 mm | M5 | 31010619 | 10 |
| | 1/8 BSPP | 31010610 | 10 |
| | 1/4 BSPP | 31010613 | 10 |
| 8 mm | 1/8 BSPP | 31010810 | 10 |
| | 1/4 BSPP | 31010813 | 10 |
| 10 mm | 1/4 BSPP | 31011013 | 10 |



## Bulkhead Union

| Tube O.D. | Tube O.D. | Nylon Part # | Optional Qty |
|---|---|---|---|
| 6 mm | 6 mm | 31160600 | 10 |



## Unions

| Tube O.D. | Tube O.D. | Nylon Part # | Optional Qty |
|---|---|---|---|
| 4 mm | 6 mm | 31060406 | 10 |
| 6 mm | 6 mm | 31060600 | 10 |



# Legris Metric Push-In Fittings

## Male Elbows



| Tube O.D. | Male Thread | Nylon / Nickel Plated Brass Part # | Optional Qty |
|---|---|---|---|
| 4 mm | M5 | 31990419 | 10 |
| | 1/8 BSPP | 31990410 | 10 |
| 6 mm | M5 | 31990619 | 10 |
| | 1/8 BSPP | 31990610 | 10 |
| | 1/4 BSPP | 31990613 | 10 |
| 8 mm | 1/8 BSPP | 31990810 | 10 |
| | 1/4 BSPP | 31990813 | 10 |
| 10 mm | 1/4 BSPP | 31991013 | 10 |

NOTE: Body is orientable for positioning purposes

## Union Elbows



| Tube O.D. | Tube O.D. | Nylon Part # | Optional Qty |
|---|---|---|---|
| 6 mm | 6 mm | 31020600 | 10 |
| 10 mm | 10 mm | 31021000 | 10 |

## Union Tees



| Tube O.D. | Nylon Part # | Optional Qty |
|---|---|---|
| 6 mm | 31040600 | 10 |
| 10 mm | 31041000 | 10 |

## Y Connector



| Tube O.D. | Tube O.D. | Nylon Part # | Optional Qty |
|---|---|---|---|
| 6 mm | 6 mm | 31400600 | 10 |

## Plugs



| Tube O.D. | Tube O.D. | Plastic Part # | Optional Qty |
|---|---|---|---|
| 6 mm | 6 mm | 31260600 | 10 |
| 10 mm | 10 mm | 31261000 | 10 |

**Safety Cables .....261 - 263**
King Cable® .....261
Nylon safety restraints .....262
King safety whipsocks .....263
King safety shackles .....263
ASME air receiver manifold with King safety whipsock .....263

**Air Tanks and Manifolds ..... 264 - 267**
ASME air receiver manifolds ..... 264 - 265
Whip hose assemblies .....265
Manifolds ..... 266 - 267
Compressor Y .....267
Lubricants .....267

**In-Line Lubricators and Filters .....268 - 269**
Lubricators .....268
Air filter .....268
Nipple filters .....269
Lubricator with filter .....269
Mini lubricators .....269

**Valves, Mufflers, and Vents.....270 - 276**
Safety check valves .....270
Conical mufflers .....271
Speed control mufflers .....271
Breather vents .....271
Quiet flow economy pneumatic silencers/mufflers.....272
Keychain .....272
Mini in-line filter .....272
General purpose regulators .....272
Needle valves .....273
Desiccant dryer .....273
Button and tank filler valves .....274
Brass lever external drains .....274
Brass external drain cocks .....274
Safety pop-off valves .....275
Flow control valves .....276
Series C check valves .....276

**Blow guns .....277 - 281**
Safety ..... 277 - 278
Pistol Grip .....278
Non-Safety ..... 278 - 279
Heavy duty .....280
High volume ..... 280 - 281

**Air Hose.....282 - 283**
Coil-Chief self-storing .....282
Polyurethane ..... 282 - 283

**Tire pressure gauges..... 284**

**Swivels ..... 285**
Ball .....285
In-line .....285
Air tool .....285

**Hose Reels.....286 - 287**
Reelcraft® ..... 286 - 287
5000-Series .....286
7000-Series .....286
80000 Series .....287
30000 manual driven.....287

**FRLs .....288 - 338**
Wilkerson ..... 288 - 316
Miniatures ..... 288 - 291
Filters ..... 292 - 296
Manual in-line desiccant dryer .....297
Regulators ..... 297 - 301
Filter / regulator..... 302 - 303
Lubricators..... 303 - 306
Combination units ..... 306 - 310
Exhaust mufflers .....310
Automatic drains .....311
Lockout valves.....311
Accessories and repair kits ..... 312 - 316
Series 1 ..... 317 - 337
Miniatures ..... 317 - 319
Filters ..... 319 - 322
Regulators ..... 323 - 326
Filter / regulators..... 326 - 328
Lubricators..... 328 - 331
Combination units .....332
Automatic drains .....333
Accessories and repair kits ..... 333 - 338


F

**⚠WARNING**

The constant vibration created by air tools, like air drills and pavement breakers, is destructive to air hose couplings, especially the quick-acting type. To provide protection against coupling breakage and related hazards, Dixon® recommends the use of a whip hose. To construct a whip hose, connect one end of a short (3' to 10') air hose to the air tool using a 3500 type steel nipple. Connect the other end of the hose to the air supply using the standard quick-acting coupling. The heat-treated 3500 nipple will withstand vibration far better than the

## FRLs (cont.) .....339 - 344

Watts..... 339 - 344
- Filters .....339
- Regulators ..... 340 - 341
- Lubricators.....342
- Combination units.....343
- Accessories and repair kits ..... 343 - 344

## Gauges .....345 - 354

Dry ..... 345 - 348
Process.....347
Panel builder.....349
Contractor pressure .....349
Compound .....350
Vacuum.....350
Liquid filled ..... 351 - 353
Welding .....353
Digital.....354
180° steam gauge siphons.....354

## Thermometers .....355 - 356

Bi-metal..... 355 - 356
Magnetic surface mount .....356
Threaded thermowell .....356




**⚠WARNING**

The constant vibration created by air tools, like air drills and pavement breakers, is destructive to air hose couplings, especially the quick-acting type. To provide protection against coupling breakage and related hazards, Dixon® recommends the use of a whip hose. To construct a whip hose, connect one end of a short (3' to 10') air hose to the air tool using a 3500 type steel nipple. Connect the other end of the hose to the air supply using the standard quick-acting coupling. The heat-treated 3500 nipple will withstand vibration far better than the standard coupling and provide a safer connection. The whip

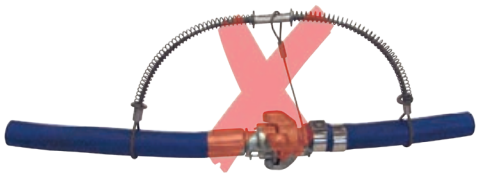
# King Cable®

## Application
- When hose, couplings, or clamps fail, or there is an accidental separation of the assembly, King safety cables minimize damage to equipment and injuries to operators.

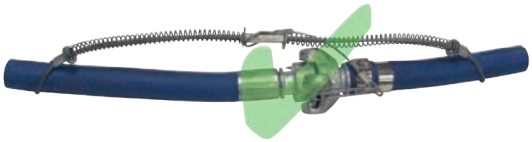
## Features
- Must be installed in the extended position (no slack)
- Cable reaches across hose fittings to provide standby safety for hose
- Spring-loaded loops in the cable ends open easily to pass over the couplings for a firm grip on the hose
- No tools needed - easy to install and remove
- Cables shipped with safety restraint labels attached
- Highly resistant to rust and corrosion
- Hose-to-hose or hose-to-rigid outlet

## Materials
- For WB1, WB3, WA2, WA4, WSR1, WSR3, WSR2, WSR4, WSR1C, WB1C, WSR1E:
  wire rope - galvanized carbon steel
  ferrules - aluminum
  springs - galvanized carbon steel
- For WB1SS, WB3SS, WA2SS, WA4SS, WSR1SS, WSR2SS, WSR3SS, WSR4SS:
  wire rope - 304 stainless steel
  ferrules - copper
  springs - 304 stainless steel
- For WA2B:
  wire rope - galvanized carbon steel
  ferrules - copper
  springs - galvanized carbon steel

## Specification
- Maximum operating pressure: **200 PSI**



Incorrect installation



Correct installation

## Hose-to-Tool Service



Hose end — Tool end

| Hose I.D. | Cable | Length | Maximum Working Pressure (PSI) | Steel Part # | Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/2" - 1-1/4" | 1/8" | 20-1/4" | **200** | WSR1 | WSR1SS |
| 1/2" - 2" | 3/16" | 28" | **200** | WSR3 | WSR3SS |
| 1-1/2" - 3" | 1/4" | 38" | **200** | WSR2 | WSR2SS |
| 4" | 3/8" | 44" | **200** | WSR4 | WSR4SS |

## Hose-to-Hose Service



Hose end — Hose end

| Hose I.D. | Cable | Length | Maximum Working Pressure (PSI) | Steel Part # | Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/2" - 1-1/4" | 1/8" | 20-1/4" | **200** | WB1 | WB1SS |
| 1/2" - 2" | 3/16" | 28" | **200** | WB3 | WB3SS |
| 1-1/2" - 3" | 1/4" | 38" | **200** | WA2 | WA4SS |
| 4" | 3/8" | 44" | **200** | WA4 | WA4SS |

## King Cable Options



WB1C - WB1 with safety clip and lanyard



WSR1E - WSR1E with stainless steel marine eye

| Hose I.D. | Cable | Part # | Description | Maximum Working Pressure (PSI) |
|---|---|---|---|---|
| 1/2" - 1-1/4" | 1/8" | WSR1C | WSR1 with safety clip and lanyard used to lock Air King® couplings | **200** |
| 1/2" - 1-1/4" | 1/8" | WB1C | WB1 with safety clip and lanyard used to lock Air King couplings | **200** |
| 1/2" - 1-1/4" | 1/8" | WSR1E | WSR1 with stainless steel safety marine eye used to connect safety | **200** |

F

# Nylon Safety Restraints



## Applications
- Pneumatic, hydraulic, and water hoses

## Features
- Strong, flexible nylon webbing
- Superior corrosion and spark resistance over metal restraints
- Rubber grommets securely choke eyes around hose
- Must be installed in the extended position (no slack)
- Shipped with labels detailing working pressures and safety instructions
- Minimizes damage to equipment and injuries to operators in the event hose, couplings or clamps fail, or there is an accidental separation of the assembly
- Contact Dixon at 888.226.4673 for additional options

## Materials
- Strap: nylon
- Grommets: rubber

## Specification
- Maximum working temperature: **200°F (93°C)**

| Length | Recommended for use on the following hose inside diameters: | | | | | | | | Nylon Part # |
|---|---|---|---|---|---|---|---|---|---|
| | 1/4" | 1/2" | 3/4" | 1" | 2" | 3" | 4" | 6" | |
| | Hose maximum working pressure (PSI) for above hose I.D.s | | | | | | | | |
| 30" | 26,000 | 6,500 | 2,900 | 1,650 | 400 | --- | --- | --- | WBN130 |
| 40" | --- | --- | --- | 1,650 | 400 | 175 | 100 | --- | WBN140 |
| 30" | 52,000 | 13,000 | 5,800 | 3,300 | 750 | --- | --- | --- | WBN230 |
| 44" | --- | --- | --- | 3,300 | 750 | 350 | 200 | --- | WBN244 |
| 64" | --- | --- | --- | --- | 750 | 350 | 200 | 90 | WBN264 |
| 44" | --- | --- | --- | 7,300 | 1,800 | 820 | 450 | --- | WBN344 |
| 64" | --- | --- | --- | --- | 1,800 | 820 | 460 | 200 | WBN364 |
| 64" | --- | --- | --- | --- | 2,300 | 1,040 | 580 | 260 | WBN464 |

## King Safety Whipsocks

### Application
- Ideally suited for applications where the media being transferred is under higher working pressures such as air, water, hydraulic, and slurry

### Features
- King safety whipsocks keep the hose under control in the event of a high-pressure hose assembly failure
- Dual anchor points secured beyond the fittings eliminate hose whip
- Be sure the anchoring points are rated for the application
- Galvanized steel woven stockings extend down the hose to grip securely over a larger area preventing whip, abrasion, and wear
- Securing both eye-to-rigid or eye-to-eye anchor points reduce whip in the event of a hose connection failure
- Contact Dixon® with questions regarding working pressure, available options, or custom configurations



KSW32



### Materials
- Wire rope: galvanized carbon steel
- Ferrules: aluminum



KSW40

| Size | O.D. Range | Length | Max. Working Pressure PSI | Part # |
|---|---|---|---|---|
| 3/8" | .315" - .5512" | 15.75" | **5,000** | KSW06 |
| 1/2" | .5512" - .7874" | 21.65" | **3,000** | KSW08 |
| 3/4" | .7874" - 1.181" | 25.20" | **2,000** | KSW12 |
| 1" | 1.181" - 1.575" | 34.25" | **1,500** | KSW16 |
| 1-1/4" | 1.575" - 1.969" | 38.19" | **1,000** | KSW20 |
| 1-1/2" | 1.969" - 2.362" | 49.21" | **700** | KSW24 |
| 2" | 2.362" - 2.756" | 51.18" | **1,300** | KSW32 |
| 2-1/2" | 2.756" - 3.346" | 53.15" | **800** | KSW40 |
| 3" | 3.346" - 3.937" | 72.44" | **750** | KSW48 |
| 3-1/2" | 3.937" - 4.724" | 72.05" | **550** | KSW56 |
| 4" | 4.724" - 5.512" | 86.61" | **550** | KSW64 |
| 6" | 5.512" - 7.087" | 93.31" | **250** | KSW96 |

## King Safety Shackles

### Applications
- Two shackles are used to anchor the King safety whipsock
- Secure both eyes to a rigid anchor point to reduce whip in the event of a hose or connection failure

### Features
- Recommended bolt, nut, and cotter pin style shackle
- Caution: working load must be rated for the application



| Size | Working Load | Fits KSW Eye | Micro Alloy Steel Part # |
|---|---|---|---|
| 5/16" | 3/4 ton (1,000 lbs) | KSW06-KSW12 | KSS04 |
| 7/16" | 1-1/2 ton (3,000 lbs) | KSW16-KSW40 | KSS06 |
| 5/8" | 3-1/4 ton (6,000 lbs) | KSW48-KSW96 | KSS08 |

## ASME Air Receiver Manifold with King Safety Whipsock for Supply Hose

### Features
- 7-gallon capacity
- Painted supply orange
- All openings are female NPT thread
- Includes KSW32 2" King safety whipsock for air supply hose
- Shackles included to attach King Safety Whipsock to frame

### Specifications
- Working pressure: **200 PSI**
- Built to ASME Code, National Board registered
- Conforms to OSHA standards 1910.169 and 1926.306



| Qty | Part # |
|---|---|
| 1 | 1217AR-4AK-KSW |

F

## ASME Air Receiver Manifolds

**Features**
- 7-gallon capacity
- Painted safety orange
- All openings are female NPT thread
- Special configurations available

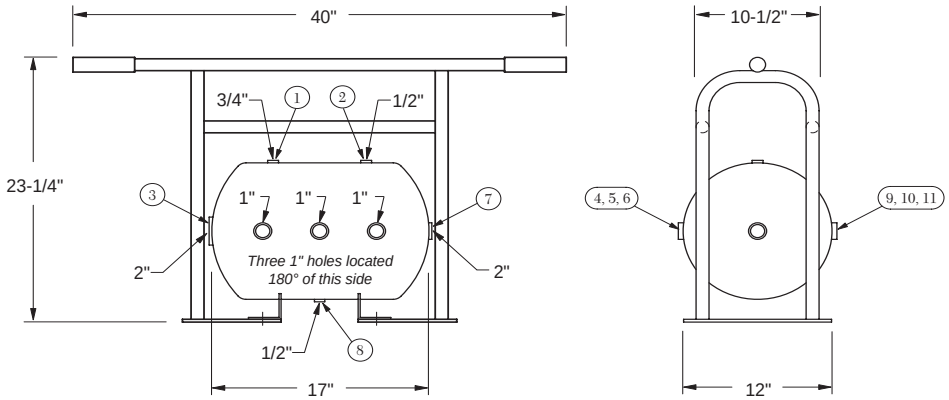
**Specifications**
- Working pressure: **200 PSI**
- Built to ASME Code, National Board registered
- Conforms to OSHA standards 1910.169 and 1926.306



1217AR-4AK



1217AR-4FR




**Dixon® 1217AR-4AK air receiver manifold assembly with Air King® outlet ports includes the following components:**

| Part # / Locations | Qty | Description |
|---|---|---|
| 1217AR-4 | 1 | ASME compressed air receiver |
| 1217FRAME | 1 | protective frame |
| Location 1 | 1 | 3731204C 3/4" male x 1/4" female hex bushing |
| | 1 | GL345 **0-300 PSI** gauge |
| Location 2 | 1 | 3730804C 1/2" male x 1/4" female hex bushing |
| | 1 | SV200 safety pop-off valve |
| Location 3 | 1 | GM28 2" male spud |
| | 1 | B27SC wing nut cap |
| Locations | 6 | HB1075G 1" male x 3/4" female bushings |
| 4, 5, 6, 9, | 6 | 3701212C 3/4" brass hex nipples |
| 10, 11 | 6 | BBLV75 ball valves |
| | 6 | SCVS6 safety shut-off valves |
| | 6 | AM7 Air King universal couplings |
| Location 7 | 4 | SE45100 45° street elbow (1 each in locations 4, 6, 9 and 11 only) |
| | 1 | HB2075 2" male x 3/4" female bushing |
| | 1 | 3701212C 3/4" brass hex nipples |
| | 1 | BBLV75 ball valve |
| | 1 | SCVS6 safety shut-off valve |
| Location 8 | 1 | AM7 Air King universal coupling |
| | 1 | 3730804C 1/2" male x 1/4" female hex bushing |
| | 1 | D04 1/4" drain cock |
| | --- | --- |
| 1217AR-4AK | 1 | 7-gallon ASME compressed air receiver manifold complete assembly with Air King |
| | | Tank and Frame only |

## ASME Air Receiver Manifold Assembly with Air King® Fittings & Watts Filter

**Application**
- Designed to remove compressed air contaminants such as water, compressor oil, dirt, pipe scale, and water particles from the air supply at the point of entry into the ASME air receiver manifold



**Features**
- Includes basic 1217AR-4AK ASME manifold assembly
- F602-16WJR 2" auto drain filter with 26 ounce metal bowl and related plumbing installed on the inlet port of the ASME air receiver manifold
- Air supply hose connects directly to GM28 2" male spud on the filter air inlet
- Includes a B27SC wing nut cap with a chain

| Hose Size | Thread | Part # |
|---|---|---|
| 2" | 3/4" | 1217AR-4AKWF |



## Whip Hose Assemblies

### 7/8"-24 Male Threaded Bent Stem Swivel x Global Air King Fitting

**Application**
- Designed to be threaded in to a pneumatic tool to better handle the impact and vibration often associated with these applications

**Features**
- The bent stem swivel is hardened and fits the following tool brands: Ingersoll-Rand, Thor, Black & Decker, Harper, Jet, Texas Pneumatic, Kent, and Sullair
- The whip hose should stay with the air tool, like a power cord stays with an appliance

New

**Specifications**
- Working pressure: **150 PSI**
- Temperature range: **-4°F to 212°F (-20°C to 100°C)**



| Size | I.D. | Length | Rubber Hose Part # |
|---|---|---|---|
| 7/8" | 1/2" | 6' | WH50X6AKBS87 |

### 1/2" Male Threaded Bent Stem Swivel x Global Air King Fitting

**Application**
- Designed to be threaded in to a pneumatic tool to better handle the impact and vibration often associated with these applications

**Features**
- The bent stem swivel is hardened and fits all tools with 1/2" female NPT thread
- The whip hose should stay with the air tool, like a power cord stays with an appliance

**Specifications**
- Working pressure: **150 PSI**
- Temperature range: **-4°F to 212°F (-20°C to 100°C)**



| Size | I.D. | Length | Rubber Hose Part # |
|---|---|---|---|
| 1/2" | 1/2" | 6' | WH50X6AKBS50 |

### 3/4" Male Threaded Bent Stem Swivel x Global Air King Fitting

**Application**
- Designed to be threaded in to a pneumatic tool to better handle the impact and vibration often associated with these applications

**Features**
- The bent stem swivel is hardened and fits all tools with 3/4" female NPT thread
- The whip hose should stay with the air tool, like a power cord stays with an appliance

**Specifications**
- Working pressure: **150 PSI**
- Temperature range: **-4°F to 212°F (-20°C to 100°C)**



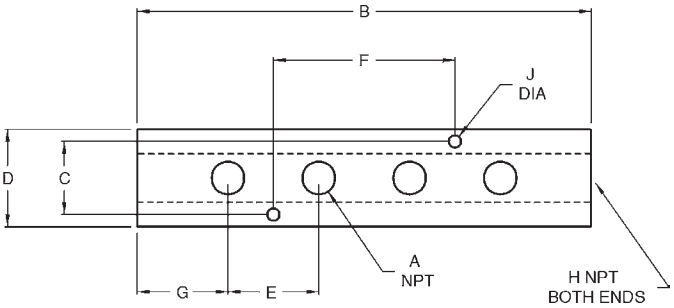
| Size | I.D. | Length | Rubber Hose Part # |
|---|---|---|---|

## Bar Manifolds



### Features
- Can be mounted on a wall or work bench, safely distributing four hose lines to a work area
- Brass hex head plugs sold on page 455

### Specification
- Maximum operating pressure: **300 PS**I at ambient temperature **70°F (21°C)**




| Aluminum Part # | A | B | C | D | E | F | G | H | J |
|---|---|---|---|---|---|---|---|---|---|
| AMF32 | 1/4" | 7-5/8" | 7/8" | 1-1/4" | 1-7/8" | 3-3/4" | 1" | 3/8" | .20" |
| AMF42 | 1/4" | 7-5/8" | 1-1/8" | 1-1/2" | 1-7/8" | 3-3/4" | 1" | 1/2" | .20" |
| AMF43 | 3/8" | 8" | 1-1/8" | 1-1/2" | 2" | 4" | 1" | 1/2" | .20" |

## 3 in 1 Manifolds



### Features
- Supplies three air operated tools from a single hose, permitting use of air by more than one mechanic
- Can be mounted to a pipe at workbench or overhead
- Different tools in the shop use different styles of couplers; mount three different style couplers on one manifold

| NPT Inlet (1) | NPT Outlets (3) | Aluminum Part # |
|---|---|---|
| 1/4" | 1/4" | D3404 |
| 3/8" | 1/4" | D3406 |
| 1/2" | 1/4" | D3408 |



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## Flat Hex Manifolds

**Feature**
- Designed to lay flat on the floor, safely distributing three hose lines to the work area



| NPT Inlet (1) | NPT Outlets (3) | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | 3122 |
| 3/8" | 1/4" | 3132 |
| 3/8" | 3/8" | 3133 |

## Compressor Y

**Feature**
- Converts a single supply source to a dual outlet



| Female NPT Inlet (1) | Male NPT Outlets (2) | Iron Part # |
|---|---|---|
| 1" | 3/4" | Y10075 |

F

## Anti-Freeze Lubricants

**Application**
- Winter grade air tool lubricant prevents air line, air tool, and in-line lubricator freeze-up

**Features**
- Can be poured directly into tool or used with air line lubricators

**Specification**
- Minimum temperature **-45°F (-43°C)**



Pint



Gallon

| Size | Part # | Optional Qty |
|---|---|---|
| 1 pint | DATL016W | 12 |
| 1 gallon | DATL128W | 4 |

## Air Tool Lubricants

**Application**
- High grade lubricant prolongs the service life of air tools, cylinders, and accessories

**Features**
- #10 weight lubricant
- Compound is superior in performance to ordinary lubricants
- Prohibits rust and removes moisture as it lubricates
- Non-corrosive, non-reactive, and does not decompose
- Easy pour spout helps prevent costly spills
- Use with the in-line lubricators on page 268



Pint



Gallon

| Size | Part # | Optional Qty |
|---|---|---|
| 1 pint | DATL016 | 12 |
| 1 gallon | DATL128 | 4 |

## In-Line Lubricators

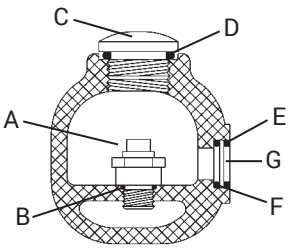


### Features

- Protects portable or stationary air tools by efficiently oiling the tool mechanisms; each time an air tool is operated a fine mist of oil is injected into it along with the air from the compressor
- Installation is recommended within 25' of the tool to be lubricated, refer to the arrow for proper air flow direction
- Transparent sight disc allows visual inspection of oil level
- Oil flow regulated by screwdriver screw adjustment; minimum flow rate is 30 SCFM
- Not recommended for constant flow applications
- For reciprocating tools only
- Type of oil to use: any petroleum-based, non-detergent light weight oil (SAE 10/150SSU) which will readily break up into a mist, i.e., Mobil DTE light or comparable oil, do not use any synthetic oil or oils containing additives or solvents
- See page 267 for air tool lubricant

| NPT Size | Oil Capacity | Maximum Working Pressure at ambient temperature (70°F) | Air Flow at 70 PSI | Aluminum Part # |
|---|---|---|---|---|
| 1/2" | 1.4 fluid ozs. | **500 PSI** | 30 SCFM | PL300 |
| 3/4" | 3.7 fluid ozs. | **200 PSI** | 70 SCFM | PL400 |
| 3/4" | 11.0 fluid ozs. | **300 PSI** | 70 SCFM | PL400L |
| 1" | 16.0 fluid ozs. | **250 PSI** | 100 SCFM | PL500 |

### Replacement Parts




| Description | Part # |
|---|---|
| (A) oil adjustment valve assembly | 851661 |
| (B) valve gasket | 452531 |
| (C) fill plug | 452525 |
| (D) fill plug O-ring | 700013-214 |
| (E) sight disk | 452532 |
| (F) sight disk seal | 700013-016 |
| (G) sight disk lock nut | 452533 |

## In-Line Air Filter



### Features

- Protects small air tools, such as impact wrenches, nut runners, grinders, and screwdrivers
- All-anodized, compact housing
- Install directly before the air tool
- Male x female configuration
- Standard 40 micron element ensures minimum pressure drop
- Elements can be replaced quickly

### Specifications

- Maximum operating pressure: **500 PSI**
- Temperature range: **35°F** to **200°F (2°C** to **93°C)**
- Air flow: 140 SCFM

| Male NPT | Overall Length | Diameter | Aluminum Part # |
|---|---|---|---|
| 3/4" | 3-13/16" | 1-1/2" | 9076M |

## Disposable In-Line Nipple Filters

**Features**
- For filtration of water, oil, and air
- Compact and lightweight
- Can be installed at point of use
- Shape element is conical rather than disc, providing a larger filtering flow and a true, uninterrupted axial flow
- Available in 40 micron or 90 micron

**Specifications**
- Maximum operating pressure: **300 PSI**
- Temperature range: **35°F** to **300°F (2°C** to **148°C)**



| Male NPT | Overall Length | Hex | Air Flow | Brass Part # |
|---|---|---|---|---|
| 1/8" | 1-1/4 | 7/16" | 10 SCFM | ASP3101-40 |
| | | | | ASP3101-90 |
| 1/4" | 1-1/2" | 9/16" | 20 SCFM | ASP3102-40 |
| | | | | ASP3102-90 |
| 3/8" | 1-3/4" | 11/16" | 30 SCFM | ASP3103-40 |
| | | | | ASP3103-90 |
| 1/2" | 2" | 7/8" | 50 SCFM | ASP3104-40 |
| | | | | ASP3104-90 |

## In-Line Lubricators with Filters

**Feature**
- Consists of 9076M particle filter with 40 micron sintered bronze element and PL400 (3.7 ounce) or PL400L (11.0 ounce) lubricator



| NPT Size | Oil Capacity | Max. Working Pressure at ambient temperature 70°F (21°C) | Aluminum Part # |
|---|---|---|---|
| 3/4" | 3.7 fluid ozs. | **200 PSI** | PL400WF |
| | 11.0 fluid ozs. | **300 PSI** | PL400LWF |

## Mini In-Line Lubricators

**Features**
- Can be refilled under line pressure
- Oil capacity: 1/4 fluid ounce

**Specifications**
- Flow rating: 22 SCFM at 100 PSIG
- Maximum operating pressure: 200 PSIG
- Maximum temperature: **150°F (66°C)**



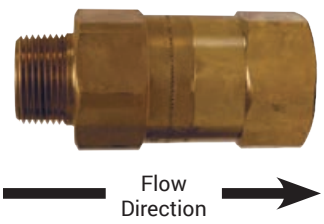
| Female NPT Inlet | Outlet | Aluminum Part # |
|---|---|---|
| 1/4" | 1/4" female NPT | ML200 |
| | 1/4" male NPT | ML200M |
| 3/8" | 3/8" male NPT | ML300M |

F

# Safety Check Valves

## Applications
- Used in temporary plant/factory air lines, construction sites, shipyards, or utilities
- Not for use in applications where 100% of the available air is required, i.e. sand blast, pile driving rigs, expansion joint blow down pipes, etc.

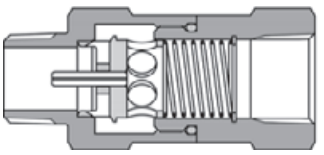
## Features
- High-flow valve provides optimum performance
- Controls excess air flow (SCFM) in only one direction
- Automatically senses change in air flow and shuts off the flow in the event of a surge in excess of valve flow rating thus preventing hose whip
- Does not prevent backflow



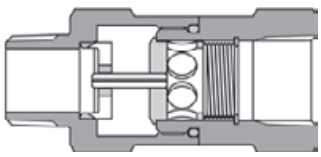

## Materials
- Solid brass body and valve
- Stainless steel spring and roll pin

## Specifications
- Conforms to OSHA regulation 1926.302 (b) (7) requiring a safety device at the source of the air supply and at branch air lines
- Maximum operating pressure: **350 PSI**
- Maximum temperature: **250°F (121°C)**

## How It Works
- Safety check valves utilize the pressure differential across the valve to operate the valve and spring assembly. The pressure differential is directly related to the flow of air (SCFM) through the valve.
- When the pressure differential is within the operating limits - below the cutoff flow - of the unit, the force on the valve exerted by the spring is greater than that caused by the pressure differential (see "Open Position" graphic to the right). The valve remains open and normal operation continues.
- When the pressure differential is above the cutoff limit, the force on the valve exerted by the pressure differential is greater than the force exerted by the spring, and the valve closes (see the "Closed Position" graphic to the right).
- After the repair is made, normal operation is automatically enabled when pressure across the valve equalizes through the bleeder hole.
- The valve spring size can be specified by determining the air flow during normal operation and by estimating the air flow if a failure or rupture occurs.



Open Position



Closed Position

| NPT & Hose I.D. Size | Cut-off Flow Rate (SCFM at 90 PSI) | Brass Part # | NPT & Hose I.D. Size | Cut-off Flow Rate (SCFM at 90 PSI) | Brass Part # |
|---|---|---|---|---|---|
| 1/4" | 23-29 | SCVL2 | 1-1/4" | 260-290 | SCVL10 |
| 3/8" | 30-36 | SCVL3 | | 300-340 | SCVM10 |
| | 39-47 | SCVM3 | | 440-500 | SCVS10 |
| | 52-65 | SCVS3 | | 570-630 | SCVH10 |
| 1/2" | 70-78 | SCVM4 | 1-1/2" | 300-360 | SCVL12 |
| | 80-96 | SCVS4 | | 470-530 | SCVM12 |
| 3/4" | 72-88 | SCVL6 | | 564-602 | SCVX12 |
| | 92-108 | SCVM6 | | 640-720 | SCVS12 |
| | 112-128 | SCVR6 | | 750-830 | SCVH12 |
| | 132-148 | SCVJ6 | 2" | 510-590 | SCVL16 |
| | 160-180 | SCVS6 | | 725-825 | SCVM16 |
| | 180-200 | SCVH6 | | 900-1050 | SCVS16 |
| 1" | 165-195 | SCVL8 | | 1100-1200 | SCVH16 |
| | 220-260 | SCVM8 | 3" | 1200-1400 | SCVL24 |
| | 280-320 | SCVS8 | | 2400-2700 | SCVS24 |
| | 310-340 | SCVH8 | | 2850-3050 | SCVH24 |

## Conical Mufflers

**Application**
- Threads into the exhaust ports of air tool, valves, cylinders, and other pneumatic equipment

**Features**
- Reduces noise levels below 90 dBA to conform with OSHA standards
- 40 micron bronze filter element
- Element is bonded directly to the fitting and is not replaceable

**Specifications**
- Maximum operating pressure: **300 PSI**
- Temperature range: **35°F** to **300°F (2°C** to **149°C)**



| NPT Thread | Overall Length | Nickel Plated Steel Part # |
|---|---|---|
| 1/8" | 1-1/8" | CMF18 |
| 1/4" | 1-3/8" | CMF28 |
| 3/8" | 1-1/2" | CMF38 |
| 1/2" | 1-7/8" | CMF48 |
| 3/4" | 2-1/4" | CMF68 |
| 1" | 2-7/8" | CMF88 |

F

## Speed Control Mufflers

**Features**
- Safe and infinte variations of metering air flow at acceptable sound levels on exhaust ports of air valves
- Speed of operating cylinder or air tool may be increased or decreased with adjusting screw; the final postion is locked in place by the lock nut
- Exhaust air noise is eliminated by a surrounding sleeve of sintered bronze

**Specifications**
- Maximum operating pressure: **300 PSI**
- Temperature range: **35°F** to **300°F (2°C** to **149°C)**



Aluminum



Brass

| NPT Thread | Approximate Full Oper. Height | Maximum Adjusted SCFM | Brass Part # |
|---|---|---|---|
| 1/8" | 1-5/16" | 20 | SCM18 |
| 1/4" | 1-9/16" | 30 | SCM28 |
| 3/8" | 1-5/8" | 40 | SCM38 |
| 1/2" | 2" | 60 | SCM48 |
| 3/4" | 2-3/8" | 70 | SCM68 |
| 1" | 2-1/2" | 100 | SCM88 |

## Breather Vents

**Applications**
- Used on single-acting cylinders or valves to prevent dirt and foreign particles from entering ports open to the atmosphere
- Provides vacuum relief or pressure equalization on gear boxes, oil tanks, or reservoirs

**Features**
- Standard pipe thread connections for quick assembly and removal for cleaning
- Nickel plated steel insert with a bronze filter
- 40 micron filter element

**Specifications**
- Maximum operating pressure: **150 PSI**
- Temperature range: **35°F** to **300°F (2°C** to **148°C)**



| NPT Thread | Overall Length | Nickel Plated Steel Part # |
|---|---|---|
| 1/8" | 7/16" | ASP-1BV |
| 1/4" | 5/8" | ASP-2BV |
| 3/8" | 3/4" | ASP-3BV |
| 1/2" | 7/8" | ASP-4BV |
| 3/4" | 1" | ASP-6BV |

## Super Quiet Flow Economy Pneumatic Silencers / Mufflers



### Features
- Design incorporates a 50 mesh, self-cleaning, stainless stell screen in a strong, protective glass-filled nylon housing which is ultrasonically welded for maximum strength

### Specifications
- Maximum operating pressure: **300 PSI**
- Temperature range: **35°F** to **120°F (2°C** to **49°C)**

| NPT Thread | Overall Length | Diameter | Part # |
|---|---|---|---|
| 1/8" | 2-7/16" | 13/16" | SQF-1 |
| 1/4" | 2-15/64" | 13/16" | SQF-2 |
| 3/8" | 3-27/64" | 1-1/4" | SQF-3 |
| 1/2" | 3-35/65" | 1-1/4" | SQF-4 |

F



## Dixon® Keychain

### Feature
- Halves separate like a coupler and plug

| Plated Steel Part # |
|---|
| DKC1 |

## Mini In-Line Filter



### Features
- Either port may be used as an inlet port
- Filter element rated at 5 microns

### Specifications
- Flow rating: 17 SCFM inlet pressure at 100 PSIG
- Maximum operating pressure: 200 PSIG maximum temperature: **175°F (79°C)**

| Female NPT | Male NPT | Aluminum Part # |
|---|---|---|
| 1/4" | 1/4" | MF200 |

## Series 1 Non-Repairable General Purpose Regulators



### Features
- Relieving piston allows reduction of downstream pressure when system is dead-ended
- Left to right flow
- Compact design and light weight construction
- Wrench flats for easy installation
- Supplied with a GC620 gauge, sold separately on page 345

### Specifications
- 5 to 125 PSIG outlet pressure adjustment range
- Reliable pressure regulation at air flows up to 13 SCFM

| Female NPT | With Gauge Part # | Without Gauge Part # |
|---|---|---|
| 1/4" | R46-200RG | R46-200R |

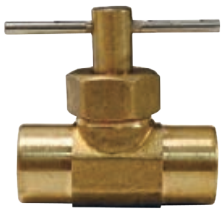
## Needle Valves

**Features**
- Metal-to-metal seats allow positive sealing and flow adjustment
- Designed for air and water applications

**Specification**
- Maximum working pressure: **150 PSI** at ambient temperature **70°F (21°C)**

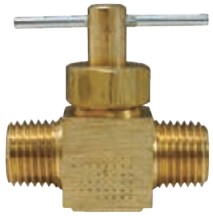
### Female x Female

| Female NPT | Female NPT | Brass Part # |
|---|---|---|
| 1/8" | 1/8" | NV2F |
| 1/4" | 1/4" | NV4F |



### Male x Male

| Male NPT | Male NPT | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | NV4M |



## Mini In-Line Disposable Desiccant Dryer

**Application**
- Ideal for spray guns (point-of-use); attaches directly to spray gun or mini regulator located on spray gun

**Features**
- Unit is bi-directional 1/4" NPT
- 40 micron, porous bronze element removes fine dirt particles, as oil-removing media removes oil vapor and desiccant bead absorbs water vapor

**Specifications**
- Working pressure: **125 PSI**
- Blue desiccant beads lower the dew point to **-40°F (-40°C)** and remove water vapor; bead color turns pink when it is time to replace filter/dryer



| Male NPT | Female NPT | Flow (SCFM) | Description | Part # |
|---|---|---|---|---|
| 1/4" | 1/4" | 15 | package of 2 | DFD-10 |

## Valves

### Button



| Thread | Brass Part # |
|---|---|
| 1/4" NPT female | BV2F |
| 1/4" NPT male | BV2M |




### Tank Filler

**Applications**
- Used on compressed air tanks and other applications

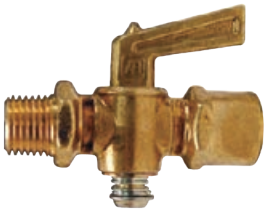
**Feature**
- Standard valve stem thread

| Connection | Length | Nickel Plated Part # | Length | Brass Part # |
|---|---|---|---|---|
| 1/8" NPT | .85" | TFV1S | --- | --- |
| | 1.24" | TFV1L | --- | --- |
| 1/4" NPT | 1" | TFV2 | --- | --- |
| 1/4" barb | --- | --- | 1.57" | TFV2HB |

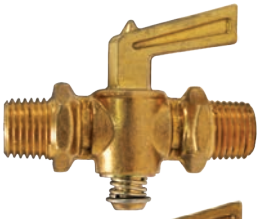
## Brass Lever External Drains

**Application**
- For air service only ⚠

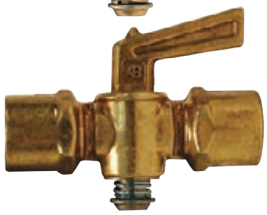
**Specification**
- Maximum operating pressure: **30 PSI** at ambient temperature **70°F (21°C)**



| Female NPT | Male NPT | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | LDC2 |



| Male NPT | Male NPT | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | LDCM2 |



| Female NPT | Female NPT | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | LDCF2 |

## Brass External Drain Cocks

**Application**
- Designed for low pressure water and air applications



**Specification**
- Maximum operating pressure: **150 PSI** at ambient temperature **70°F (21°C)**

| NPT Size | Brass Part # |
|---|---|
| 1/8" | D02 |

# Safety Pop-Off Valves

**Applications**
- For use on compressors and in compressed air service

**Feature**
- Designed to protect un-fired pressure vessels from over-pressure

**Specifications**
- ASME Code, National Board Certified
- CSA B51-03 certified
- Maximum temperature: **400°F (204°C)**

## Soft Seat

**Feature**
- Constructed of precision machined brass bar stock with a silicone disc sealing on the brass



| Male NPT | Preset Pressure PSI | SCFM | Brass Part # |
|---|---|---|---|
| 1/4" | **100** | 51 | KSV10-100 |
| | **125** | 62 | KSV10-125 |
| | **150** | 73 | KSV10-150 |
| | **175** | 84 | KSV10-175 |

## Standard

**Features**
- Brass valves are supplied with a stainless steel ball
- Stainless valves are all stainless construction with a soft seat



| Male NPT | Preset Pressure PSI | SCFM | Brass Part # | SCFM | Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/4" | **30** | 35 | SV30 | 35 | SV30SS |
| | **100** | 89 | SV100 | 92 | SV100SS |
| | **125** | 109 | SV125 | 112 | SV125SS |
| | **150** | 129 | SV150 | 132 | SV150SS |
| | **175** | 149 | SV175 | 153 | SV175SS |
| | **200** | 168 | SV200 | 173 | SV200SS |

## Heavy Duty, High Capacity

**Feature**
- All brass construction with stainless steel ball on a precision machined brass seat



| Male NPT | Preset Pressure PSI | SCFM | Brass Part # |
|---|---|---|---|
| 1/2" | **30** | 73 | SV30HD[1] |
| | **100** | 208 | SV100HD |
| | **125** | 254 | SV125HD |
| | **150** | 300 | SV150HD |
| | **175** | 346 | SV175HD |
| | **200** | 391 | SV200HD |

[1] Constructed with soft seat



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## Flow Control Valves

### Brass Series-F



**Features**

- Provides precision flow control and full shutoff in one flow direction; automatically allows unrestricted flow in the opposite direction
- Two-step needle for fine adjustments at low flow with first three turns of the adjusting knob; next three turns give full-open needle position and conventional throttling control
- When flow is reversed the heavy-duty poppet/retainer permits full flow return capacity
- Color coded scale simplifies flow setting, resetting, adjusting, and return to an original flow
- A set screw locks the valve on any desired setting

**Specifications**

- Maximum operating pressure: **2,000 PSI** at ambient temperature **70°F (21°C)** for sizes 1/8" - 3/4", **500 PSI** at ambient temperature **70°F (21°C)** for 1"

| Female NPTF | Brass Part # |
|---|---|
| 1/8" | BFC200 |
| 1/4" | BFC400 |
| 3/8" | BFC600 |
| 1/2" | BFC800 |
| 3/4" | BFC1200 |
| 1" | BFC1600 |

### Brass Series-N



**Features**

- For use as speed control on hydraulic and pneumatic systems where a reverse flow check valve is not needed
- Provides excellent control and reliable shutoff in a very small envelope
- Color coded scale simplifies setting, resetting, adjusting, and quick return to a previous speed setting

**Specifications**

- Maximum operating pressure: **2,000 PSI** at ambient temperature **70°F (21°C)** for sizes 1/8" - 3/4", **500 PSI** at ambient temperature **70°F (21°C)** for 1"

| Female NPTF | Brass Part # |
|---|---|
| 1/8" | BN200 |
| 1/4" | BN400 |
| 3/8" | BN600 |
| 1/2" | BN800 |
| 3/4" | BN1200 |
| 1" | BN1600 |

## Series-C Check Valves



brass



steel

**Feature**

- Provides free flow in one direction and dependable shutoff in the opposite direction

**Specifications**

- Maximum operating pressure: **2,000 PSI** at ambient temperature **70°F (21°C)**
- Cracking pressure: **5 PSI**

| Female NPT | Free Flow GPM | Maximum Operating PSI at 70°F (21°C) | Brass Part # | Maximum Operating PSI at 70°F (21°C) | Steel Part # |
|---|---|---|---|---|---|
| 1/8" | 3 | **2,000** | BCV200 | **5,000** | SCV200 |
| 1/4" | 5 | **2,000** | BCV400 | **5,000** | SCV400 |
| 3/8" | 8 | **2,000** | BCV600 | **5,000** | SCV600 |
| 1/2" | 15 | **2,000** | BCV800 | **5,000** | SCV800 |

# Safety Blow Guns

Safety blow guns have a safety tip that prevents buildup of tip pressure in the event the outlet is obstructed or "dead ended." They comply with the requirements for OSHA 1910.242 (B) and 1910.95 when used on air lines of **150 PSI** or less.

**Features**
- Design comfortably fits contour of the hand, minimizing user fatigue
- Ergonomic large lever with black vinyl grip allows for easy air flow activation
- 1/4" female NPT inlet

## Air Chief

The air chief safety blow gun is designed to conform to OSHA Standard 1910.242 (B) permitting a maximum of **30 PSI** outlet pressure when dead ended based on a maximum of **150 PSI** inlet pressure as well as OSHA Standard 1910.95 regulating occupational noise level exposure. Safety glasses or shield must be worn when using any blow gun.



**Features**
- Recessed internal slotted screw allows easy access to valve assembly for repairs or replacement
- Chrome plated zinc die cast body, nickel plated steel lever, vinyl thumb grip, stainless steel spring, brass valve, nitrile rubber seals, and nickel plated brass tip combine for superior corrosion resistance

| Part # |
|---|
| D204-30 |

## Premium

The premium safety blow gun is designed to conform to OSHA Standard 1910.242 (B) permitting a maximum of **30 PSI** outlet pressure when dead ended based on a maximum of **150 PSI** inlet pressure as well as OSHA Standard 1910.95 regulating occupational noise level exposure. Safety glasses or shield must be worn when using any blow gun.



**Features**
- Zinc die cast body with a black powder coat finish, nickel plated steel lever, vinyl thumb grip, stainless steel spring, brass valve, nitrile rubber seals, and nickel plated brass tip

| Part # |
|---|
| D204-30P |

## Air Booster

The multiple holes in the safety booster tip of the safety air booster gun create a Venturi effect that increases air flow (working capacity) while still remaining compliant with OSHA Standard 1910.242 (B). Safety glasses or shield must be worn when using any blow gun.



**Features**
- Chrome plated zinc die cast body, nickel plated steel lever, vinyl thumb grip, stainless steel spring, brass valve, nitrile rubber seals, and nickel plated brass tip provide superior corrosion resistance

| Part # |
|---|
| D204-30SB |

## Pistol Grip



**Features**
- Contoured pistol-grip for safe, comfortable handling, even with greasy hands
- Convenient hang-up hook
- 1/4" female NPT inlet
- Safety glasses or shield must be worn when using any blow gun

**Specifications**
- Conforms to US Department of Labor, OSHA Standard 1910.242 (B) allowing a maximum of **30 PSI** outlet pressure at the nozzle when dead-ended
- Conforms to US Department of Labor, OSHA Standard 1910.95 regulating noise level exposure

| Part # |
|---|
| PG700 |

## Extended Nozzle Pistol Grip



**Features**
- Variable output trigger enables user to control air flow
- Hook design near trigger provides finger protection as well as easy storage
- Lightweight to help minimize user fatigue.
- Side holes allow air to escape if nozzle tip is dead-ended, thus preventing back pressure buildup
- 1/4" female NPT inlet
- Safety glasses or shield must be worn when using any blow gun.

**Specifications**
- Conforms to US Dept. of Labor, OSHA Standard 1910.242 (B) allowing a maximum of **30 PSI** outlet pressure at the nozzle when dead-ended
- Conforms to US Dept. of Labor, OSHA Standard 1910.95 regulating noise level exposure
- Slender 4" extended nozzle allows access to hard to reach places and holes as small as .200"
- Pressure rating: **150 PSI**

| Part # |
|---|
| ENBG1 |

## Safety Tip



**Features**
- 1/8" male NPT connection
- Can be used with all Dixon® Air Chief lever operated blow guns as well as most blow guns from other manufacturers

| Nickel Plated Brass<br>Part # |
|---|
| SST10 |

## Rubber Non-Safety Tip



**Features**
- 1/8" male NPT connection
- Can be used with all Dixon Air Chief lever operated blow guns as well as most blow guns from other manufacturers

| Rubber Coated Nickel Plated Brass<br>Part # |
|---|
| D201RT |

## Non-Safety Blow Guns

Non-Safety blow guns do not have a safety by-pass to prevent buildup of tip pressure in the event of tip blockage. They may be used for cleaning purposes only if the air supply (inlet pressure) has been reduced to **30 PSI** or less.

### Features

- Designed to comfortably fit the contour of the hand, minimizing user fatigue
- Ergonomic large lever with vinyl grip allows for easy air flow activation
- 1/4" female NPT inlet

## Brass Tip

The ventless, nickel-plated tip provides the most economical means of achieving a concentrated stream of air for many blow-off applications. All other components and design features are the same as our Air Chief safety blow gun (D204-30). Must be used on air lines having a maximum regulated pressure of **30 PSI** in order to comply with OSHA Standard 1910.242 (B). Safety glasses or shield must be worn when using any blow gun.



F

### Feature

- Chrome plated zinc die cast body, nickel plated steel lever, vinyl thumb grip, stainless steel spring, brass valve, nitrile rubber seals, and ventless, nickel plated brass tip provide superior corrosion resistance

| Part # |
|---|
| D605 |

## Rubber Tip

The rubber tip will not scratch or mar delicate surfaces. The conical, rubber tip can also be used to create a seal between the blow gun and fluid lines (or any other opening). Base of the tip is nickel-plated brass for additional corrosion resistance. Must be used on air lines having a maximum regulated pressure of **30 PSI** in order to comply with OSHA Standard 1910.242 (B). Safety glasses or shield must be worn when using any blow gun.



### Feature

- Chrome plated zinc die cast body, nickel plated steel lever, vinyl thumb grip, stainless steel spring, brass valve, nitrile rubber seals, and rubber tip with a nickel plated brass base provide superior corrosion resistance

| Part # |
|---|
| D201 |

## Extensions

### Features

- Supplied with 1/8" male NPT connections
- Allow easier access to blow-off applications in high or hard to reach places
- Can be used with all Dixon® Air Chief lever operated blow guns as well as most blow guns from other manufacturers
- Brass base with a rugged steel extension tube, all nickel plated



| Size Extension | Part # |
|---|---|
| 6" | BGE6 |
| 10" | BGE10 |
| 12" | BGE12 |
| 18" | BGE18 |
| 24" | BGE24 |

## Heavy Duty - High Volume Safety Blow Guns

**Features**
- Heavy duty - high volume safety blow guns
- Requires high volume coupler and plug for optimum performance
- Lightweight and ergonomic
- Pistol grip / hanging hook handle
- Made from high quality aluminum casting
- 1/4" female NPT inlet
- Safety glasses or shield must be worn when using any blow gun.

**Specification**
- Maximum operating pressure: **150 PSI**



## Heavy Duty - High Volume with Safety Tip

**Features**
- Reduced to **30 PSI** when tip is blocked
- The safety air booster blow gun has a safety tip which prevents buildup of tip pressure in the event the outlet obstructed or "dead ended," it complies with the requirements for OSHA 1910.242 (B) and 1910.95 when used on air lines of **150 PSI** or less



HTBG6

| Description | Part # |
|---|---|
| gun with no extension | HTBG |
| gun with 6" extension | HTBG6 |
| gun with 12" extension | HTBG12 |
| gun with 24" extension | HTBG24 |
| gun with 36" extension | HTBG36 |

## Heavy Duty - High Volume with Quiet Conical Tip



**Specification**
- 6.0 CFM

| Description | Part # |
|---|---|
| gun with tip only | HTBG-CT |

**Accessories**



HTBGC

| Female NPT Inlet (1) | Aluminum Part # | Brass Part # |
|---|---|---|
| 6" extension with safety tip | HTBG6EXT | --- |
| 12" extension with safety tip | HTBG12EXT | --- |
| 24" extension with safety tip | HTBG24EXT | --- |
| 36" extension with safety tip | HTBG36EXT | --- |
| safety tip | HTBGS | --- |
| conical tip | HTBGC | --- |
| tip adapter | HTBGA | --- |
| high flow female coupler | --- | 2CJF2-B |
| high flow male plug | --- | CJ2M2-B |

## High Volume Typhoon Blow Guns

### Features
- Chrome plated aluminum body
- Variable flow control
- 1/4" female NPT inlet



### Specification
- 34 CFM at **125 PSI**
- Compliant with OSHA Standard 1910.242 (B). Safety glasses or shield must be worn when using any blow gun.

| Description | Part # |
|---|---|
| gun with no extension | TYP2501 |
| gun with 6" extension | TYP2501-6 |
| gun with 12" extension | TYP2501-12 |
| gun with 24" extension | TYP2501-24 |
| gun with 36" extension | TYP2501-36 |

F

## High Volume Cannon® Blow Gun

### Application
- Designed for, but not limited to, outdoor use, ideal where a large air supply is available to move heavy, stubborn debris



### Features
- 3/4" female NPT inlet
- 48" long extension
- Safety glasses or shield must be worn when using any blow gun.

### Specifications
- Minimum inlet pressure **90 PSI** on 1/2" hose
- Consumes 135 CFM at **100 PSI**
- Compliant with OSHA Standard 1910.242 (B)

| Part # |
|---|
| 9000-48S |

# Coil-Chief Self-Storing Air Hose



## Hose - Fittings Included

**Feature**
- Supplied with swivel on one end

| Hose I.D. | Length | Male NPT | Working Pressure @ 70°F (21°C) | Nylon Part # |
|---|---|---|---|---|
| 1/4" | 12' | 1/4" | **185** | CC1412 |
| | 25' | 1/4" | **185** | CC1425 |
| | 50' | 1/4" | **185** | CC1450 |
| 3/8" | 25' | 3/8" | **165** | CC3825 |
| | 50' | 3/8" | **165** | CC3850 |
| 1/2" | 25' | 1/2" | **170** | CC1225 |
| | 50' | 1/2" | **170** | CC1250 |



## Bulk Hose - No Fittings

**Feature**
- Need assembly kits below for ends

| Hose I.D. | Length | Nylon Part # |
|---|---|---|
| 1/4" | 100' | CC14100B |
| 3/8" | 100' | CC38100B |
| 1/2" | 100' | CC12100B |



RK110 assembly kit

## Assembly Kits

**Feature**
- Kit includes: fittings, nut, insert, ferrule, and spring guard

| Size | Fitting Type | Part # |
|---|---|---|
| 1/4" | rigid male | RK090 |
| | swivel male | RK092 |
| 3/8" | rigid male | RK110 |
| | swivel male | RK112 |
| 1/2" | rigid male | RK118 |
| | swivel male | RK119 |

# Polyurethane Air Hose

**(fittings included)**



**Features**
- Durable and lightweight
- Nylon-reinforced braid allows for higher working pressure
- Excellent flexibility
- Oil resistant
- Durometer: Shore A 85

**Specifications**
- Temperature range: **-40°F** to **155°F (-40°C** to **68°C)**
- Working pressure: **210 PSI** at **70°F (21°C)**

| Hose I.D. | Length | Male NPT | Polyurethane Part # |
|---|---|---|---|
| 1/4" | 50' | 1/4" | 450-4S |
| 3/8" | 50' | 1/4" | 650-4S |

## Polyurethane Self-Storing Air Hose
**(fittings included)**

**Features**
- Extremely flexible - resists kinking
- Impervious to abrasions, heat and oil
- Superior elasticity and coil memory
- Both ends swivel



| Hose I.D. | Length | Male NPT | Working Pressure (PSI) | Polyurethane Part # |
|---|---|---|---|---|
| 1/4" | 10' | 1/4" | **145** | PU1410 |
| | 15' | 1/4" | **145** | PU1415 |
| | 25' | 1/4" | **145** | PU1425 |
| 3/8" | 15' | 3/8" | **135** | PU3815 |
| | 20' | 3/8" | **135** | PU3820 |
| | 25' | 3/8" | **135** | PU3825 |
| | 50' | 3/8" | **135** | PU3850 |
| 1/2" | 15' | 1/2" | **155** | PU1215 |



### Repair Kits



| Size | Tubing Size | | Type | Brass Part # |
|---|---|---|---|---|
| | I.D. | O.D. | | |
| 1/4" | 1/4" | 3/8" | swivel male | PSM0404 |
| | 3/8" | 9/16" | swivel male | PSM0604 |

## Polyurethane Air Hose with Strain Relief Fittings

**Application**
- Metal-working or wood-working operations, in which product shavings or sawdust often make it difficult to view the work surface

**Features**
- Male NPT
- Kinking with polyurethane resin
- Built-in industrial coupler blow gun
- Works with tool connected or disconnected

**Materials**
- Air hose: polyurethane
- Blow gun: brass and plated steel



| Hose I.D. | Length | Male NPT | Working Pressure (PSI) @ 70°F (21°C) | Polyurethane Part # |
|---|---|---|---|---|
| 1/4" | 25' | 1/4 | **120** | PU1425-CBG |

## Industrial Coupler Blow Gun

**Application**
- This convenient unit is perfect for metalworking or woodworking operations, in which product shavings or sawdust often make it difficult to view the work surface

**Features**
- Already on your hose and ready to use
- Easy push button trigger
- 1/4" ARO with 1/4" female NPT
- Works with tool connected or disconnected
- Safety glasses or shield must be worn when using any blow gun.

**Materials**
- Blow gun: brass and plated steel



| Female NPT | Part # |
|---|---|

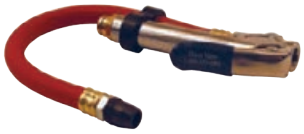
## Heavy Duty Tire Pressure Gauge



**Features**
- 12" hose with swivel dual foot chuck inflator
- Tapered chuck nut fits wheel cover holes on cars and light trucks
- Calibrated in **2 PSI** increments from **10** to **120 PSI**

| Part # |
|---|
| D101 |

## Passenger Car Tire Pressure Gauge



**Features**
- 12" hose with straight-on chuck
- Straight chuck nut fits wheel cover holes on cars and light trucks
- Ideal for use on wells and reels
- Calibrated in **2 PSI** increments from **10** to **90 PSI**

| Part # |
|---|
| D150 |

## Professional Tire Pressure Gauge



**Features**
- Pre-lubricated
- Easy to read, dual calibrated (**PSI** and **kPa**), four-sided nylon indicator bar
- Body is made of chrome-plated brass, head is chrome-plated zinc
- Pocket clip
- Calibrated in **1 PSI** increments from **5** to **45 PSI**

| Part # |
|---|
| DFG5 |

## Dual Foot Tire Pressure Gauges



**Features**
- Handy pocket clip
- Calibrated in **2 PSI** increments from **20** to **120 PSI**

| Part # |
|---|
| DFG1 |



**Features**
- Heavy duty hang-up ring
- Calibrated in **2 PSI** increments from **10** to **150 PSI**

| Part # |
|---|
| DFG2 |

## Tire Inflator Chuck



**Features**
- Ball foot chuck
- For direct connection to live air only
- Features a built-in shutoff valve (will not work on inflator gauges)
- 1/4" NPT female thread

**Specifications**
- Maximum pressure is **150 PSI**

| Brass Part # | Optional Qty |
|---|---|

## Ball Swivels

**Features**
- Brass and hardened steel construction
- O-ring seals
- Wobble action for increased flexibility with air driven tools



| Hose Size | Male NPT | Part # | Optional Qty |
|---|---|---|---|
| 1/4" | 1/4" | D444S | 25 |
| 3/8" | 1/4" | D446S | 25 |

## In-Line Swivels

**Features**
- For air service only
- Heavy-duty, free turning steel swivel

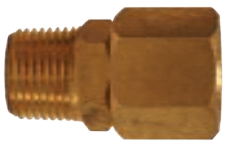
**Specification**
- Rated to **250 PSI** at ambient temperature **70°F (21°C)**, minimum **35 PSI**



| Male NPT | Female NPT | Steel Part # |
|---|---|---|
| 3/8" | 1/2" | SV17 |
| 1/2" | 1/2" | SV20 |
| 3/4" | 3/4" | SV26 |

**Feature**
- For air service only

**Specification**
- Rated to **150 PSI** at ambient temperature **70°F (21°C)**



| Male NPT | Female NPT | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | D344R |
| 3/8" | 3/8" | D366R |

## Air Tool Swivels

**Features**
- Swivels at two locations so air hose can drop directly to the floor
- Do not use with percussion tools

**Specification**
- Rated to **150 PSI** at ambient temperature **70°F (21°C)**



| Size | Aluminum Part # |
|---|---|
| 1/4" | D344U[1] |
| 3/8" | D346U |
| 1/2" | D348U |

[1] D344U is a non-marring composite.

## Reelcraft® 5000 Series Spring Driven Hose Reels



### Features

- Reel inlet 3/8" NPTF
- All steel construction
- Full shaft and swivel
- Supplied standard with PVC hose
- Compressed air hose should not be converted to oxygen service; they are often contaminated with an oil coating, which can react explosively when oxygen is introduced

### Specification

- Maximum temperature: **150°F (66°C)**

**With Hose**

| Hose I.D. | Hose Length | Service | Working Pressure PSI | Part # |
|---|---|---|---|---|
| 1/4" | 50' | air / water | **300** | 5450LP |
| 3/8" | 35' | air / water | **300** | 5635LP |
| | 50' | air / water | **300** | 5650LP |

**Without Hose**

| Hose Capacity | Service | Working Pressure PSI | Part # |
|---|---|---|---|
| 50' of 1/4" or 35' of 3/8" | air / water | **500** | 5600LP |
| 50' of 3/8" | air / water | **500** | 5605LP |

## Reelcraft® 7000 Series Spring Driven Hose Reels



### Features

- All steel construction
- LP Low Pressure reels:
  - maximum temperature **150°F (66°C)**
  - reel inlet 1/2" NPTF
  - PVC hose is standard
- MP Medium Pressure reels:
  - maximum temperature **210°F (99°C)**
  - reel inlet 1/2" NPTF
  - SAE 100 R1T 1-wire braid hose available
- HP High Pressure reels:
  - maximum temperature **210°F (99°C)**
  - reel inlet 1/4" NPTF
  - SAE 100 R2T 2-wire braid hose available

**With Hose**

| Hose I.D. | Hose Length | Service | Working Pressure PSI | Part # |
|---|---|---|---|---|
| 3/8" | 70' | air / water | **300** | 7670LP |
| 1/2" | 50' | air / water | **300** | 7850LP |

**Without Hose**

| Hose Capacity | Service | Working Pressure PSI | Part # |
|---|---|---|---|
| 70' of 3/8", 50' of 1/2" | air / water | **500** | 7800LP |
| 50' of 3/8" or 50' of 1/2" | oil | **3000** | 7800MP |
| 50' of 1/4" or 50' of 3/8" | grease | **5000** | 7600HP |

## Reelcraft® 80000 Series Spring Driven Hose Reels

### Features
- Reel inlet 3/4" NPTF
- Five-in-one heat treated aluminum casting incorporates main shaft, ratchet, spring arbor, and inlet/outlet plumbing in one-piece casting
- Furnished standard with PVC hose

### Specifications
- Maximum temperature is **150°F (66°C)** with hose
- Maximum temperature is **210°F (99°C)** without hose



See below for bumper stops, consult Dixon® for uses other than stated services

F

**With Hose**

| Hose I.D. | Hose Length | Service | Working Pressure PSI | Part # |
|---|---|---|---|---|
| 1/2" | 75' | air / water | **300** | 82075LP |
| | 100' | air / water | **300** | 82100LP |
| 3/4" | 50' | air / water | **250** | 83050LP |

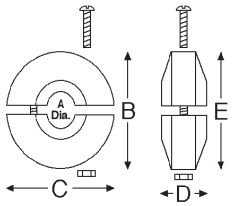
**Without Hose**

| Hose Capacity | Service | PSI | Part # |
|---|---|---|---|
| 50' of 3/4" or 100' of 1/2" | air / water | **500** | 83000LP |

**Adjustable Hose Bumper Stops**

| Hose I.D. | Hose O.D. | | Dimensions | | Reel Series Used On | Part # |
|---|---|---|---|---|---|---|
| | From: | To: | B,C,E | D | | |
| 1/4" | .438" | .625" | 2-1/2" | 1-1/4" | 5000 | 1-HR1004A |
| 3/8" | .625" | .749" | 2-1/2" | 1-1/4" | 5000 | 1-HR1004 |
| 3/8" | .625" | .749" | 3" | 1-1/4" | 7000 | 1-HR1004-3 |
| 1/2" or 3/8" 2-wire | .750" | 1.050" | 3" | 1-1/4" | 7000 | 2-HR1004-3 |
| 3/4" | 1.060" | 1.300" | 3" | 1-1/4" | 7000 | 3-HR1004-3 |
| 1/2" | .750" | 1.050" | 3-1/2" | 2-7/8" | 9000 | 2-HR1005 |
| 3/4" | 1.060" | 1.380" | 3-1/2" | 2-7/8" | 9000 | 3-HR1005 |
| 1" | 1.390" | 1.550" | 3-1/2" | 2-7/8" | 9000 | 4-HR1005 |






NOTE: Not included on hose reels ordered without hose; must order separately

## Reelcraft® 30000 Manual Driven Hose Reels

### Features
- Reel frame, spool, and drum are fabricated from heavy gauge steel
- All bolted construction - no welds
- Manual driven standard
- Motor drive available



**Without hose**

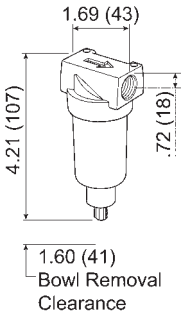
| Hose I.D. | Inlet | Hose Capacity | Spool Width | Working Pressure PSI | Part # |
|---|---|---|---|---|---|
| 3/4" | 3/4" | 100' | 12" | **1000** | C33112L |
| 1/2" | 1/2" | 200' | 12" | **3000** | C32112M |

# Wilkerson FRLs

## F03-Series Miniature Filters



Transparent bowl




### Features

- Excellent water removal efficiency
- 5 micron element
- .5 oz. bowl

### Specifications

- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **32°F** to **125°F (0°C** to **52°C)**
  - metal bowl: 250 PSIG (17.2 bar) and **32°F** to **175°F (0°C** to **80°C)**

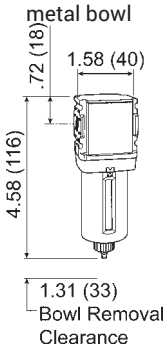
| Port Size | Flow (SCFM) | Transparent Bowl | | Metal Bowl | |
|---|---|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 1/8" | 22 | F03-01A | F03-01M | F03-01AMB | F03-01MMB |
| 1/4" | 24 | F03-02A | F03-02M | F03-02AMB | F03-02MMB |

NOTE: SCFM ratings at 90 PSIG inlet pressure.

## F08-Series Miniature Filters



metal bowl




### Features

- 5 micron element
- .6 oz. bowl

### Specifications

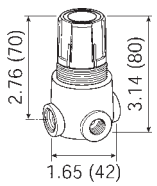
- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **14°F to 125°F (-10°C to 52°C)**
  - metal bowl: 250 PSIG (17.2 bar) and **14°F to 150°F (-10°C to 65.5°C)**

| Port Size | Flow (SCFM) | Transparent Bowl and Guard | | Metal Bowl | |
|---|---|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 1/4" | 42 | F08-02A | F08-02M | F08-02AMB | F08-02MMB |

NOTE: See pages 312 - 316 for accessories.
SCFM ratings at 150 PSIG inlet pressure.

## R03-Series Miniature Regulators






### Features

- **2-125 PSI** adjusting range
- Balanced valve design
- Self-relieving standard
- Non-rising push/pull locking adjustment knob
- Two 1/8" NPT gauge ports standard on models without gauge, one 1/8" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- Models supplied without gauge use a GC620 gauge
- Panel mount nuts sold separately

### Specifications

- Maximum operating conditions: 300 PSIG (20.17 bar) and **32°F** to **125°F (0°C** to **52°C)**

| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|---|---|---|---|
| 1/8" | 13 | R03-01RG | R03-01R |
| 1/4" | 15 | R03-02RG | R03-02R |

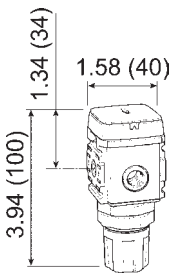
NOTE: See pages 312 - 316 for accessories.

# Wilkerson FRLs

## R08-Series Miniature Regulators



### Features
- **0-125 PSI** adjusting range
- Balanced valve design
- Self-relieving standard
- Non-rising push/pull locking adjustment knob
- Two 1/8" NPT gauge ports standard on models without gauge, one 1/8" NPT gauge port standard on models with gauge - can be used for additional outlet ports.
- Models with gauge are supplied with a 0-160 flush mount style gauge
- Models supplied without gauge use a GC620 gauge.
- Panel mount nuts sold separately




### Specifications
- Maximum operating conditions:
  300 PSIG (20.7 bar) and **-4°F to 150°F (-20°C to 65.5°C)**

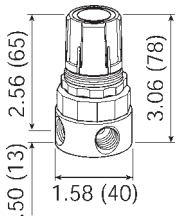
| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|---|---|---|---|
| 1/4" | 68 | R08-02RG | R08-02R |

NOTE: SCFM ratings at 100 PSIG inlet pressure.

## RB3-Series Miniature Water Regulators



### Features
- **2-125 PSI** adjusting range
- Suitable for water and compressed air service
- Brass construction - wetted parts
- Non-relieving spring-loaded diaphragm
- Panel mount nut included
- Two 1/8" NPT gauge ports standard
- Models supplied without gauge use a GC620 gauge




### Specifications
- Maximum operating conditions:
  300 PSIG (20.7 bar) and **40°F** to **125°F (4°C** to **52°C)**

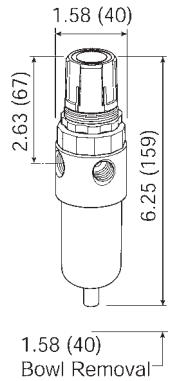
| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|---|---|---|---|
| 1/8" | 11 | RB3-01RG | RB3-01R |
| 1/4" | 14 | RB3-02RG | RB3-02R |

NOTE: See pages 312 - 316 for accessories.
SCFM ratings at 100 PSIG inlet pressure.

## BB3-Series Miniature Filters / Regulators




### Features
- **2-125 PSI** adjusting range
- 5 micron element
- .5 oz. bowl
- Self-relieving
- Supplied with a GC620 gauge




### Specifications
- Maximum operating conditions:
  - transparent bowl: 125 PSIG (8.6 bar) and **40°F** to **125°F (4.4°C** to **52°C)**
  - metal bowl: 300 PSIG (20.7 bar) and **40°F** to **125°F (4.4°C** to **52°C)**

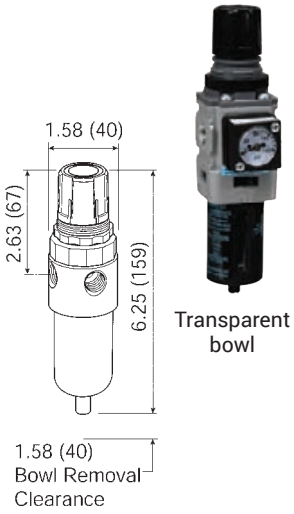
| Port Size | Flow (SCFM) | Transparent Bowl | | Metal Bowl | |
|---|---|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 1/8" | 13 | BB3-01AG | BB3-01MG | BB3-01AGMB | BB3-01MGMB |
| 1/4" | 16 | BB3-02AG | BB3-02MG | BB3-02AGMB | BB3-02MGMB |

NOTE: SCFM ratings at 150 PSIG inlet pressure

F

# Wilkerson FRLs

## B08-Series Miniature Filters / Regulators




### Features
- **0-125 PSI** adjusting range
- 5 micron element
- .4 oz. bowl
- Self-relieving
- Supplied with a **0-160 PSI** flush mount style gauge

### Specifications
- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **14°F to 125°F (-10°C to 52°C)**
  - metal bowl: 250 PSIG (17.2 bar) and **14°F to 150°F (-10°C to 65.5°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard | | Metal Bowl | |
|---|---|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 1/4" | 73 | B08-02AG | B08-02MG | B08-02AGMB | B08-02MGMB |

NOTE: See pages 312 - 316 for accessories.
SCFM ratings at 100 PSIG inlet pressure.

## L03-Series Miniature Lubricators




### Features
- 1 oz. bowl
- Adjustable oil feed
- Full view sight dome
- Do not fill under pressure, air supply must be turned off and pressure bled from unit prior to adding oil

### Specifications
- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **32°F** to **125°F (0°C** to **52°C)**
  - metal bowl: 250 PSIG (17.2 bar) and **32°F** to **175°F (0°C** to **80°C)**

| Size | Flow (SCFM) | Transparent Bowl Part # | Metal Bowl Part # |
|---|---|---|---|
| 1/8" | 20 | L03-01A | L03-01AMB |
| 1/4" | 20 | L03-02A | L03-02AMB |

NOTE: SCFM ratings at 90 PSIG inlet pressure.

## L08-Series Miniature Lubricators




### Features
- .6 oz. bowl
- Adjustable oil feed
- Full view sight dome
- Fill under pressure design

### Specifications
- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **14°F to 125°F (-10°C to 52°C)**
  - metal bowl: 250 PSIG (17.2 bar) and **14°F to 150°F (-10°C to 65.5°C)**

| Size | Flow (SCFM) | Transparent Bowl Part # | Metal Bowl Part # |
|---|---|---|---|
| 1/4" | 52 | L08-02A | L08-02AMB |

NOTE: See pages 312 - 316 for accessories.
See page 267 for air tool lubricant.
SCFM ratings at 150 PSIG inlet pressure.
FRLs are designed for air service only, unless otherwise indicated.



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# Wilkerson FRLs

## C03-Series Miniature Combination Units

### Features

- Included components: (2) adapters

Filter series F03:

- 5 micron element
- .5 oz. bowl

Regulator series R03:

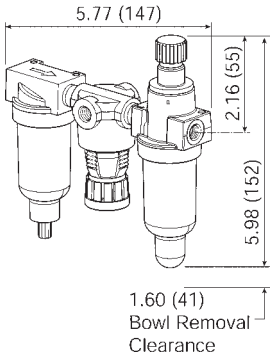
- **2-125 PSI** adjusting range
- Balanced valve design
- Self-relieving
- Supplied with a GC620 gauge
- Can be mounted with knob in up or down position

Lubricator series L03:

- 1 oz. bowl
- Adjustable oil feed
- Full view sight dome



Transparent bowl




### Specifications

- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **32°F** to **125°F (0°C** to **52°C)**
  - metal bowl: 250 PSIG (17.2 bar) and **32°F** to **175°F (0°C** to **80°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard | | Metal Bowl | |
|---|---|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 1/8" | 20 | C03-01A | C03-01M | C03-01AMB | C03-01MMB |
| 1/4" | 20 | C03-02A | C03-02M | C03-02AMB | C03-02MMB |

SCFM ratings at 100 PSIG inlet pressure.

## C08-Series Miniature Combination Units

### Features

- Included components: (2) mounting brackets with joiner set

Filter series F08:

- 5 micron element
- .6 oz. bowl

Regulator series R08:

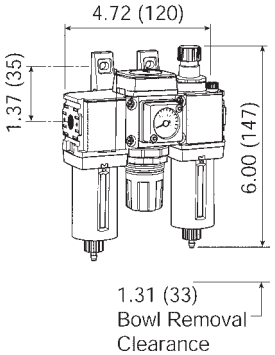
- **0-125 PSI** adjusting range
- Balanced valve design
- Self-relieving
- Supplied with a **0-160 PSI** flush mount style gauge

Lubricator series L08:

- .6 oz. bowl
- Adjustable oil feed
- Full view sight dome



Metal bowl




### Specifications

- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **14°F to 125°F (-10°C to 52°C)**
  - metal bowl: 250 PSIG (17.2 bar) and **14°F to 150°F (-10°C to 65.5°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard | | Metal Bowl | |
|---|---|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 1/4" | 27 | C08-02A | C08-02M | C08-02AMB | C08-02MMB |

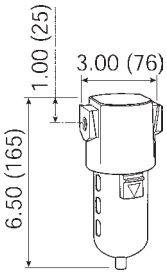
NOTE: SCFM ratings at 100 PSIG inlet pressure.
FRLs are designed for air service only, unless otherwise indicated.

F

# Wilkerson FRLs

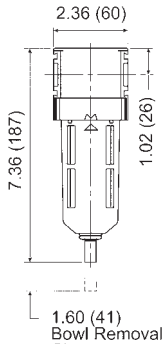


With guard



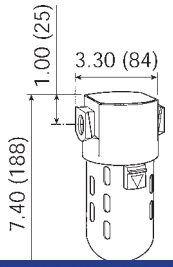



Transparent bowl with guard






With guard




## F16-Series Compact Airline Filters

**Features**
- 5 micron element
- 2.7 oz. bowl

**Specifications**
- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **32°F** to **125°F (0°C** to **52°C)**
  - metal bowl: 200 PSIG (13.8 bar) and **32°F** to **150°F (0°C** to **65.5°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard | | Metal Bowl | |
|---|---|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 1/4" | 63.0 | F16-02A | F16-02M | F16-02AMB | F16-02MMB |
| 3/8" | 74.1 | F16-03A | F16-03M | --- | F16-03MMB |
| 1/2" | 80.4 | F16-04A | F16-04M | F16-04AMB | F16-04MMB |

## F18-Series Compact Airline Filters

**Features**
- High flow capacity
- 5 micron element
- 1.72 oz. bowl

**Specifications**
- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **-13°F to 125°F (-25°C to 52°C)**
  - metal bowl: 250 PSIG (17.2 bar) and **-13°F to 150°F (-25°C to 65.5°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard | | Metal Bowl with Sight Glass | |
|---|---|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 1/4" | 50 | F18-02A | F18-02M | F18-02AMB | F18-02MMB |
| 3/8" | 78 | F18-03A | F18-03M | F18-03AMB | F18-03MMB |
| 1/2" | 82 | F18-04A | F18-04M | F18-04AMB | F18-04MMB |

## F26-Series Standard Airline Filters

**Features**
- 5 micron element
- 3.2 oz. bowl

**Specifications**
- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **32°F** to **125°F (0°C to 52°C)**
  - metal bowl: 200 PSIG (13.8 bar) and **32°F** to **150°F (0°C** to **65.5°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard | | Metal Bowl with Sight Glass | |
|---|---|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 3/8" | 117.8 | F26-03A | F26-03M | F26-03AMB | F26-03MMB |
| 1/2" | 149.8 | F26-04A | F26-04M | F26-04AMB | F26-04MMB |

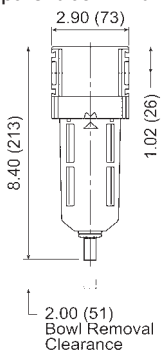
NOTE: SCFM ratings at 150 PSIG inlet pressure.
See pages 312 - 316 for accessories.
FRLs are designed for air service only, unless otherwise indicated.

# Wilkerson FRLs

## F28-Series Standard Airline Filters



Transparent bowl with guard




### Features
- High flow capacity
- 5 micron element
- 2.87 oz. bowl

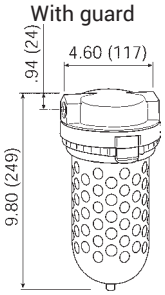
### Specifications
- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **-13°F to 125°F (-25°C to 52°C)**
  - metal bowl: 250 PSIG (17.2 bar) and **-13°F to 150°F (-25.5°C to 65.5°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard | | Metal Bowl with Sight Glass | |
|---|---|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 3/8" | 115 | F28-03A | F28-03M | F28-03AMB | F28-03MMB |
| 1/2" | 120 | F28-04A | F28-04M | F28-04AMB | F28-04MMB |
| 3/4" | 145 | F28-06A | F28-06M | F28-06AMB | F28-06MMB |

## F30-Series Jumbo Airline Filters



With guard




### Features
- 5 micron element
- 2 oz. bowl

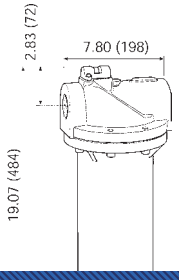
### Specifications
- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **32°F** to **125°F (0°C** to **52°C)**
  - metal bowl: 200 PSIG (13.8 bar) and **32°F** to **150°F (0°C** to **65.5°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard | | Metal Bowl with Sight Glass | |
|---|---|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 3/4" | 316 | F30-06A | F30-06M | F30-06AMB | F30-06MMB |
| 1" | 323 | F30-08A | F30-08M | F30-08AMB | F30-08MMB |

## F35-Series Jumbo Airline Filters



With metal bowl




### Features
- 5 micron element
- 12.5 oz. bowl

### Specifications
- Maximum operating conditions:
  - metal bowl: 150 PSIG (10.3 bar) and **32°F** to **150°F (0°C** to **65.5°C)**

| Size | Flow (SCFM) | Heavy Duty Metal Bowl | |
|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # |
| 1-1/2" | 1280 | F35-0BAMB | F35-0BMMB |
| 2" | 1400 | F35-0CAMB | F35-0CMMB |

NOTE: SCFM ratings at 150 PSIG inlet pressure.

See pages 312 - 316 for accessories.



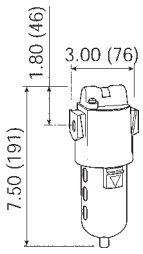
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# Wilkerson FRLs

## M16-Series Compact Coalescing Filters



With guard




### Features

- 0.01 micron type C element
- 2.7 oz. bowl
- Can be installed in modular system
- Removes extremely fine oil mists, oil aerosols, and microscopic particles
- A standard airline filter should be installed as a pre-filter when using a coalescing filter
- 0.5 micron type B and 0.003 micron type D elements are optional
- Differential pressure indicator changes from green to red with pressure loss

### Specifications

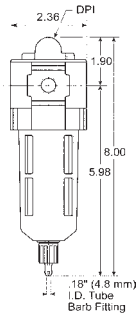
- Maximum operating conditions: 150 PSIG (10.3 bar) and **32°F** to **125°F (0°C** to **52°C)**

| Size | Flow (SCFM) | With Compact Transparent Bowl and Guard | |
|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # |
| 1/4" | 37.0 | M16-02A | M16-02M |
| 3/8" | 44.7 | M16-03A | M16-03M |
| 1/2" | 46.1 | M16-04A | M16-04M |

## M18-Series Compact Coalescing Filters



With guard




### Features

- High-efficiency removal of water, oil aerosols, and solid particulate contaminants down to 0.01 mg/m³ with minimum pressure drop
- Modern design and appearance
- Light weight
- High flow capacity
- 1.72 oz. bowl

### Specifications

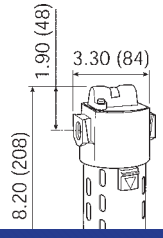
- Maximum operating conditions: 150 PSIG (10.3 bar) and **-13°F to 125°F (-25°C to 52°C)**

| Size | Flow (SCFM) | With Compact Transparent Bowl and Guard | |
|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # |
| 1/4" | 53 | M18-02A | M18-02M |
| 3/8" | 36 | M18-03A | M18-03M |
| 1/2" | 85 | M18-04A | M18-04M |

## M26-Series Standard Coalescing Filters



With guard




### Features

- 0.01 micron type C element
- 1.7 oz. bowl
- Can be installed in modular system

### Specifications

- Maximum operating conditions: 150 PSIG (10.3 bar) and **32°F** to **125°F (0°C** to **52°C)**

| Size | Flow (SCFM) | With Standard Transparent Bowl and Guard | |
|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # |
| 1/4" | 55.0 | --- | --- |
| 3/8" | 65.5 | M26-03A | --- |
| 1/2" | 79.5 | M26-04A | M26-04M |

NOTE: SCFM ratings at 150 PSIG inlet pressure.

See pages 312 - 316 for accessories



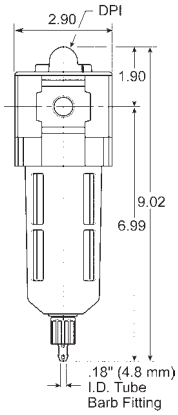
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# Wilkerson FRLs

## M28-Series Standard Coalescing Filters



with guard




### Features

- Removes extremely fine oil mists, oil aerosols, and microscopic particles
- A standard airline filter should be installed as a pre-filter when using a coalescing filter
- 0.5 micron type B and 0.003 micron type D elements are optional
- Differential pressure indicator changes from green to red with pressure loss
- High-efficiency removal of water, oil aerosols, and solid particulate contaminants down to 0.01 mg/m$^3$ with minimum pressure drop
- Modern design and appearance
- Light weight
- High flow capacity
- 2.87 oz. bowl

### Specifications

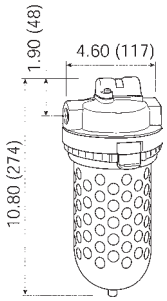
- Maximum operating conditions: 150 PSIG (10.3 bar) and **-13°F to 125°F (-25°C to 52°C)**

| Size | Flow (SCFM) | Compact Transparent Bowl and Guard | |
|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # |
| 3/8" | 68 | M28-03A | M28-03M |
| 1/2" | 42 | M28-04A | M28-04M |
| 3/4" | 72 | M28-06A | M28-06M |

## M30-Series Jumbo Coalescing Filters



with guard




### Features

- 0.01 micron type C element
- 2 oz. bowl

### Specifications

- Maximum operating conditions: 150 PSIG (10.3 bar) and **32°F** to **125°F (0°C** to **52°C)**

| Size | Flow (SCFM) | Jumbo Transparent Bowl and Guard |
|---|---|---|
| | | Automatic Drain Part # |
| 1/2" | 123 | M30-04A |
| 3/4" | 173 | M30-06A |
| 1" | 203 | M30-08A |

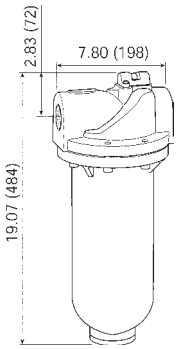
NOTE: SCFM ratings at 150 PSIG inlet pressure.
See pages 312 - 316 for accessories.
FRLs are designed for air service only, unless otherwise indicated.

## Wilkerson FRLs

### M35-Series Heavy Duty Coalescing Filters



M35-0CAMB




**Features**

- For removal of extremely fine oil mists, oil aerosols, and microscopic particles
- A standard airline filter should be installed as a pre-filter when using a coalescing filter
- 1.0 micron type B1 and 0.003 micron type D elements are optional
- Differential pressure indicator changes from green to red with pressure loss
- 0.01 micron type C element
- 13.9 oz. bowl
- Differential pressure indicator eliminates the guesswork of element placement

**Specification**

- Maximum operating conditions: 150 PSIG (10.3 bar) and **32°F** to **150°F (0°C** to **65.5°C)**

| Size | Flow (SCFM) | Metal Bowl Automatic Drain Part # |
|---|---|---|
| 1-1/2" | 710 | M35-0BAMB |
| 2" | 710 | M35-0CAMB |

NOTE: SCFM ratings at 150 PSIG inlet pressure.

See pages 312 - 316 for accessories.



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# Wilkerson FRLs

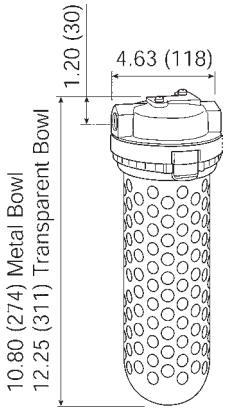
## X03-Series Manual In-Line Desiccant Dryers

### Applications

- Manual air dryers are used to remove water vapor from compressed air systems, in applications such as paint spraying, laboratory instruments and small control air systems. Filtration for absorber type dryers is important to protect the desiccant bed from contamination. Cleaner incoming air will result in better performance, longer life, and fewer service problems. To regenerate silica gel desiccant, it must be heated to at least **350°F (177°C)** for approximately 3 hours or until color has changed from pink to blue. Allow desiccant to cool to room temperature before pouring back into unit bowl.
- An after-filter should be placed downstream from the desiccant dryer to ensure solid contaminants such as desiccant dust do not migrate downstream



with transparent bowl




### Features

- Will dry up to 4,400 standard cubic feet of air
- Desiccant; good for approximately 440 minutes at maximum continuous air flow before regeneration is required
- Supplied with two bags of silica gel, which changes from blue to pink to indicate the need to replace or regenerate the desiccant. See page 312 for refills.
- Slotted bowl guard for visual detection of color change
- No electrical connection necessary

### Specifications

- Provides atmospheric dew point of **-45°F (-43°C)** with dry desiccant at **100 PSI** and **70°F (21°C)**
- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **125°F (52°C)**
  - metal bowl: 150 PSIG (10.3 bar) and **150°F (66°C)**

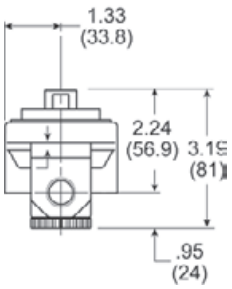
| Size | Flow (SCFM) | Transparent Bowl Part # | Metal Bowl Part # |
|---|---|---|---|
| 1/4" | 10 | X03-02 | X03-02MB |

## R21-Series Dial Air Regulators

### Applications

- Dial-air regulators feature a transparent, pressure-calibrated, non-rising adjustment dial for quick adjustment of secondary pressure. The full reduced pressure range can be dialed in less than 270° of dial rotation. This feature is particularly advantageous if secondary pressure must be changed frequently. Dial air regulators can be mounted in any position so dial face is always visible. All dial-air units have a slight constant air bleed.






### Features

- **0-160 PSI** adjusting range
- Balanced valve design
- Relieving type
- Non-rising pressure adjusting dial
- Piston operated
- Two -1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge port standard on models with gauge - can be used for additional outlet ports.
- Models supplied without gauge use a GC235 gauge

### Specifications

- Maximum operating pressure: 300 PSIG (20.7 bar)
- Temperature range: **32°F** to **150°F (0°C** to **66°C)**

| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|---|---|---|---|
| 1/4" | 117 | R21-02RG | R21-02R |
| 3/8" | 180 | R21-03RG | R21-03R |
| 1/2" | 195 | R21-04RG | R21-04R |
| 3/4" | 220 | R21-06RG | R21-06R |

NOTE: SCFM ratings at 100 PSIG inlet pressure.



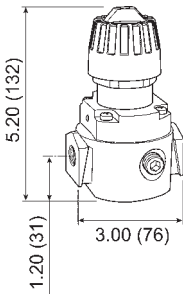
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F

# Wilkerson FRLs

## R16-Series Compact Regulators






### Features

- **0-125 PSI** adjusting range
- For **0-60 PSI** range consult Dixon®
- Self-relieving standard
- Can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise, to reduce pressure, turn knob counter clockwise
- Two 1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- Models supplied without gauge use a GC230 gauge

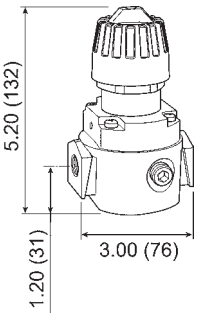
### Specifications

- Maximum operating conditions: 300 PSIG (20.7 bar) and **32°F** to **150°F (0°C**to **66°C)**

| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|---|---|---|---|
| 1/4" | 71.5 | R16-02RG | R16-02R |
| 3/8" | 80.5 | R16-03RG | R16-03R |
| 1/2" | 88.0 | R16-04RG | R16-04R |

## R16-Series High Pressure Compact Regulators






### Features

- **0-250 PSI** adjusting range
- Self-relieving standard
- Non-rising push/pull locking adjustment knob
- Panel mount nut standard
- Excellent flow characteristics
- Can be installed with the adjusting knob in any position
- Two 1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- Models supplied without gauge use a GC240 gauge

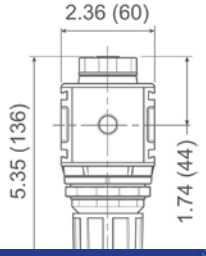
### Specifications

- Maximum operating conditions: 300 PSIG (20.7 bar) and **32°F** to **150°F (0°C** to **66°C)**

| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|---|---|---|---|
| 1/4" | 71.5 | R16-02RHG | R16-02RH |
| 3/8" | 80.5 | R16-03RHG | R16-03RH |
| 1/2" | 88.0 | R16-04RHG | R16-04RH |

## R18-Series Compact Regulators






### Features

- **0-125 PSI** adjusting range
- Self-relieving standard
- Can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise, to reduce pressure, turn knob counter clockwise.
- Two 1/4" NPT gauge ports located on the front and rear faces of the body; ports may be used as additional regulated ports or for pressure gauges
- Models supplied without gauge use a GC230 gauge

### Specifications

- Maximum operating conditions: 300 PSIG (20.7 bar) and **-13°F to 125°F (-25°C to 52°C)**

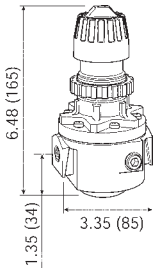
| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|---|---|---|---|
| 1/4" | 142 | R18-02RG | R18-02R |
| 3/8" | 165 | R18-03RG | R18-03R |
| 1/2" | 165 | R18-04RG | R18-04R |

NOTE: SCFM ratings at 100 PSIG inlet pressure.

## Wilkerson FRLs

### R26-Series Standard Regulators






**Features**

- **0-125 PSI** adjusting range
- Non-rising push/pull locking adjustment knob
- Panel mount nut standard
- Excellent flow characteristics
- Can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise, to reduce pressure, turn knob counter clockwise
- Two 1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- Models supplied without gauge use a GC230 gauge

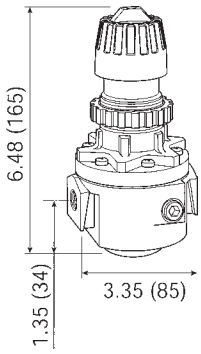
**Specifications**

- Maximum operating conditions: 300 PSIG (20.7 bar) and **32°F** to **150°F (0°C**to **66°C)**

| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|---|---|---|---|
| 3/8" | 148 | R26-03RG | R26-03R |
| 1/2" | 185 | R26-04RG | R26-04R |

### R26-Series High Pressure Standard Regulators






**Features**

- **0-250 PSI** adjusting range
- Self-relieving standard
- Non-rising push/pull locking adjustment knob
- Panel mount nut standard
- Excellent flow characteristics
- Can be installed with the adjusting knob in any position
- Two 1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge port standardon models with gauge can be used for additional outlet ports
- Models supplied without gauge use a GC240 gauge

**Specifications**

- Maximum operating conditions: 300 PSIG (20.7 bar) and **32°F** to **150°F (0°C** to **66°C)**

| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|---|---|---|---|
| 3/8" | 148 | R26-03RHG | R26-03RH |
| 1/2" | 185 | R26-04RHG | R26-04RH |

NOTE: SCFM ratings at 100 PSIG inlet pressure.

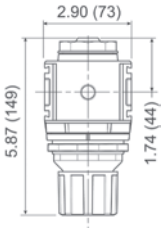
See pages 312 - 316 for accessories.

F

# Wilkerson FRLs

## R28-Series Standard Regulators





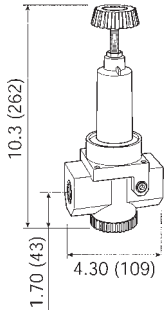

**Features**
- **0-125 PSI** adjusting range
- Self-relieving standard
- Four adjusting pressure ranges available
- To increase regulated pressure, pull adjusting knob up and turn clockwise, to reduce pressure, turn knob counter clockwise.
- Two 1/4" NPT gauge ports located on the front and rear faces of the body; ports may be used as additional regulated ports or for pressure gauges.
- Models supplied without gauge use a GC230 gauge

**Specifications**
- Maximum operating conditions: 300 PSIG (20.7 bar) and **-13°F to 125°F (-25°C to 52°C)**

| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|---|---|---|---|
| 3/8" | 228 | R28-03RG | R28-03R |
| 1/2" | 233 | R28-04RG | R28-04R |
| 3/4" | 233 | R28-06RG | R28-06R |

## R30-Series High Flow Regulators





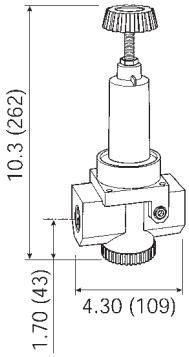

**Features**
- **0-125 PSI** adjusting range
- Self-relieving standard
- Piston operated
- Can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise, to reduce pressure, turn knob counter clockwise.
- Two 1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- Models supplied without gauge use a GC230 gauge

**Specifications**
- Maximum operating conditions: 300 PSIG (20.7 bar) and **32°F** to **150°F (0°C** to **66°C)**

| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|---|---|---|---|
| 3/4" | 481 | R30-06RG | R30-06R |
| 1" | 500 | R30-08RG | R30-08R |

## R30-Series High Pressure High Flow Regulators






**Features**
- **0-180 PSI** adjusting range
- Self-relieving standard
- Piston operated
- Can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise, to reduce pressure, turn knob counter clockwise
- Two 1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- Models supplied without gauge use a GC240 gauge

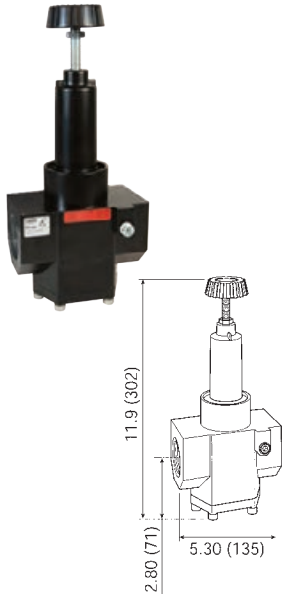
**Specifications**
- Maximum operating conditions: 300 PSIG (20.7 bar) and **32°F** to **150°F (0°C** to **66°C)**

| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|---|---|---|---|
| 3/4" | 481 | R30-06RHG | R30-06RH |
| 1" | 500 | R30-08RHG | R30-08RH |

NOTE: SCFM ratings at 100 PSIG inlet pressure.

# Wilkerson FRLs

## R40-Series High Flow Regulators

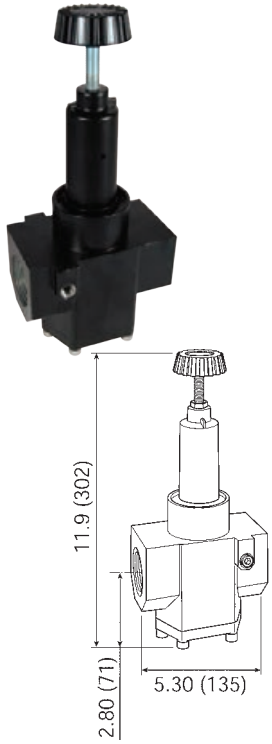



### Features
- **0-125 PSI** adjusting range
- Self-relieving standard
- Piston operated
- Can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise, to reduce pressure, turn knob counter clockwise
- Two 1/4" NPT gauge ports standard on models without gauge; one 1/4" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- Models supplied without gauge use a GC230 gauge

### Specifications
- Maximum operating conditions:
  300 PSIG (20.7 bar) and **32°F** to **150°F (0°C** to **66°C)**

| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|---|---|---|---|
| 1-1/2" | 1200 | R40-0BRG | R40-0BR |
| 2" | 1200 | R40-0CRG | R40-0CR |

## R40-Series High Pressure High Flow Regulators




### Features
- **0-180 PSI** adjusting range
- Self-relieving standard
- Piston operated
- Can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise, to reduce pressure, turn knob counter clockwise
- Two 1/4" NPT gauge ports standard on models without gauge; one 1/4" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- Models supplied without gauge use a GC240 gauge

### Specifications
- Maximum operating conditions:
  300 PSIG (20.7 bar) and **32°F** to **150°F (0°C** to **66°C)**

| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|---|---|---|---|
| 1-1/2" | 1200 | R40-0BRHG | R40-0BRH |
| 2" | 1200 | R40-0CRHG | R40-0CRH |

NOTE: SCFM ratings at 100 PSIG inlet pressure.
See pages 312 - 316 for accessories.

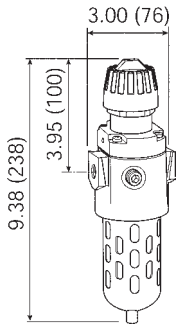
F

# Wilkerson FRLs

## CB6-Series Compact Filter / Regulators



with guard




Over-under units are space savers and provide for installation in tight areas. One common inlet/outlet for both filter and regulator saves on piping costs.

### Features

- 0-125 PSIG adjusting range
- 5 micron reusable element
- Self-relieving standard
- Diaphragm operated
- Quick-disconnect bowl guard with integral plastic bowl and safety latch standard
- Two 1/4" gauge ports are provided in either side of the regulator body for installation of a gauge or to use as an additional outlet port, plug unused port(s)
- Supplied with GC230 gauge

### Specifications

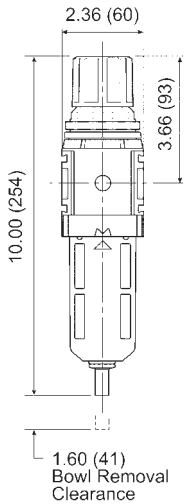
- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **32°F** to **125°F (0°C** to **52°C)**
  - metal bowl: 200 PSIG (13.8 bar) and **32°F** to **150°F (0°C** to **66°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard | | Metal Bowl with Sight Glass | |
|---|---|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 1/4" | 64 | CB6-02AG | CB6-02MG | CB6-02AGMB | CB6-02MGMB |
| 3/8" | 70 | CB6-03AG | CB6-03MG | CB6-03AGMB | CB6-03MGMB |
| 1/2" | 70 | CB6-04AG | CB6-04MG | CB6-04AGMB | CB6-04MGMB |

## B18-Series Compact Filter / Regulators



with metal bowl




### Features

- 5-125 PSIG adjusting range for transparent bowl with guard
- 10-250 PSIG adjusting range for metal bowl with sight glass
- 5 micron element
- 1.72 oz. bowl
- Self-relieving standard
- Spring-loaded diaphragm
- To increase regulated pressure, pull adjusting knob and turn clockwise, to reduce pressure, turn knob counter clockwise, to lock knob, push down
- Two 1/4" gauge ports located on the front and rear faces of the body, these ports may be used as additional regulated ports or for pressure gauges, plug unused port(s)
- Transparent bowl supplied with GC230 gauge
- Metal bowl supplied with GC240 gauge

### Specifications

- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **-13°F to 125°F (-25°C to 52°C)**
  - metal bowl: 250 PSIG (17.2 bar) and **-13°F to 150°F (-25°C to 66°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard | | Metal Bowl with Sight Glass | |
|---|---|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 1/4" | 148 | B18-02AG | B18-02MG | B18-02AGMB | B18-02MGMB |
| 3/8" | 158 | B18-03AG | B18-03MG | B18-03AGMB | B18-03MGMB |
| 1/2" | 164 | B18-04AG | B18-04MG | B18-04AGMB | B18-04MGMB |

NOTE: SCFM ratings at 100 PSIG inlet pressure.

See pages 312 - 316 for accessories.

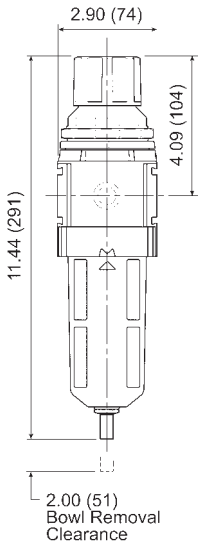
FRLs are designed for air service only unless otherwise indicated.

# Wilkerson FRLs

## B28-Series Standard Filters/Regulators



with transparent bowl




### Features
- 5-125 PSIG adjusting range for transparent bowl with guard
- 10-250 PSIG adjusting range for metal bowl with sight glass
- 5 micron element
- 2.87 oz. bowl
- Self-relieving standard
- Spring-loaded diaphragm
- To increase regulated pressure, pull adjusting knob and turn clockwise, to reduce pressure, turn knob counter clockwise, to lock knob, push down
- Two 1/4" gauge ports located on the front and rear faces of the body. These ports may be used as additional regulated ports or for pressure gauges. Plug unused port(s).
- Transparent bowl supplied with GC230 gauge
- Metal bowl supplied with GC240 gauge

### Specifications
- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **-13°F to 125°F (-25°C to 52°C)**
  - metal bowl: 250 PSIG (17.2 bar) and **-13°F to 150°F (-25°C to 66°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard | | Metal Bowl with Sight Glass | |
|---|---|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 3/8" | 200 | B28-03AG | B28-03MG | B28-03AGMB | B28-03MGMB |
| 1/2" | 200 | B28-04AG | B28-04MG | B28-04AGMB | B28-04MGMB |
| 3/4" | 235 | B28-06AG | B28-06MG | B28-06AGMB | B28-06MGMB |

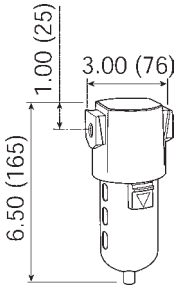
NOTE: See pages 312 - 316 for accessories.
SCFM ratings at 100 PSIG inlet pressure.

## L16-Series EconOmist® Compact Lubricators

Designed so that all the oil flow observed in the sight dome is broken into a mist and delivered via the airflow to the application. The oil in the bowl can be filled or replenished without interrupting airflow or bleeding pressure from the system. Once the oil-fill cap is removed, the bowl is depressurized and isolated from line pressure, and the bowl itself can then be removed for faster refill, if desired. The bowl can be filled right to the top.



transparent bowl with guard




### Features
- 5 oz. bowl
- Full view sight dome
- Fill under pressure design

### Specifications
- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **32°F** to **125°F (0°C** to **52°C)**
  - metal bowl: 200 PSIG (13.8 bar) and **32°F** to **150°F (0°C** to **66°C)**

| Size | Flow (SCFM) | Transparent Bowl Part # | Metal Bowl Part # |
|---|---|---|---|
| 1/4" | 36.1 | L16-02A | L16-02AMB |
| 3/8" | 58.5 | L16-03A | L16-03AMB |
| 1/2" | 64.0 | L16-04A | L16-04AMB |

NOTE: SCFM ratings at 150 PSIG inlet pressure.
See pages 312 - 316 for accessories.
See page 267 for air tool lubricant



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727-342-5088
You can also email us at GRP@goodyearrubberproducts.com

# Wilkerson FRLs

### Flow Guide®
The elastomer disc-shaped device is located in the throat of all Wilkerson lubricators and automatically maintains a constant ratio of oil flow to airflow regardless of changing rates of airflow. This allows one lubricator to serve several pneumatic components operating together or intermittently.

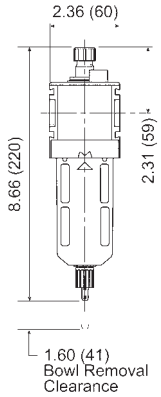
### Type of oil to use
For all Wilkerson lubricators, use any petroleum-base, non-detergent light weight oil (SAE 10/150SSU) which will readily break up into a mist, i.e., Mobil DTE light or comparable oil. Do not use synthetic oil or any oils containing additives or solvents. See page 267 for air tool lubricants.



## L18-Series EconOmist® Compact Lubricators



with metal bowl




### Features
- 4 oz. bowl
- Manual drain
- High flow capacity
- Can be filled under pressure
- To adjust and set oil delivery rate the unit must be pressurized and air must be flowing through the unit. Turn the sight dome, located on the top of the unit, counter clockwise to initiate oil delivery. The rate of oil delivery depends on air flow rate. If flow increases or decreases, the oil delivery rate will increase or decrease proportionally. Turning the sight dome clockwise will stop all oil delivery

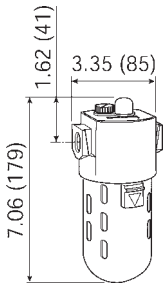
### Specifications
- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **14°F to 125°F (-10°C to 52°C)**
  - metal bowl: 250 PSIG (17.2 bar) and **14°F to 150°F (-10°C to 65.5°C)**

| Size | Flow (SCFM) | Transparent Bowl Part # | Metal Bowl Part # |
|---|---|---|---|
| 1/4" | 88 | L18-02A | L18-02AMB |
| 3/8" | 90 | L18-03A | L18-03AMB |
| 1/2" | 96 | L18-04A | L18-04AMB |

## L26-Series EconOmist® Standard Lubricators



with metal bowl




### Features
- 10 oz. bowl
- Adjustable oil feed
- Can be filled under pressure
- Quick-disconnect metal bowl guard with integral safety latch
- Siphon tube filter provides clean lubricant downstream
- The rate of oil delivery may be controlled by turning the adjusting screw counter clockwise for more and clockwise for less oil delivery. If flow increases or decreases, the oil delivery rate will increase or decrease proportionally

### Specifications
- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **32°F** to **125°F (0°C** to **52°C)**
  - metal bowl: 200 PSIG (13.8 bar) and **32°F** to **150°F (0°C** to **66°C)**

| Size | Flow (SCFM) | Transparent Bowl Part # | Metal Bowl[1] Part # |
|---|---|---|---|
| 3/8" | 60 | L26-03A | L26-03AMB |
| 1/2" | 128 | L26-04A | L26-04AMB |

[1] Metal bowl has sight gauge with brass petcock drain

NOTE: SCFM ratings at 150 PSIG inlet pressure.
See pages 312 - 316 for accessories.
See page 267 for air tool lubricant.

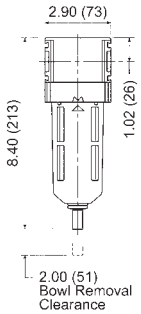
DIXON
The Right Connection®

## Wilkerson FRLs

### L28 EconOmist® Standard Lubricators



with metal bowl




**Features**
- 6 oz. bowl
- Manual drain
- High flow capacity
- Can be filled under pressure
- To adjust and set oil delivery rate the unit must be pressurized and air must be flowing through the unit. Turn the sight dome, located on the top of the unit, counter clockwise to initiate oil delivery. If flow increases or decreases, the oil delivery rate will increase or decrease proportionally. Turning the sight dome clockwise will stop all oil delivery

**Specifications**
- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **14°F to 125°F (-10°C to 52°C)**
  - metal bowl: 250 PSIG (17.2 bar) and **14°F to 150°F (-10°C to 65.5°C)**

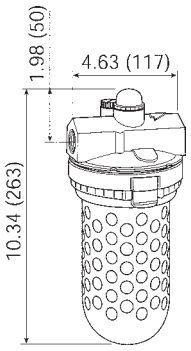
| Size | Flow (SCFM) | Transparent Bowl Part # | Metal Bowl Part # |
|---|---|---|---|
| 3/8" | 110 | L28-03A | L28-03AMB |
| 1/2" | 110 | L28-04A | L28-04AMB |
| 3/4" | 150 | L28-06A | L28-06AMB |

NOTE: SCFM ratings at 150 PSIG inlet pressure.

### L30 EconOmist® Standard Lubricators



with metal bowl




**Features**
- 26 oz. bowl
- Transparent bowl: no drain
  metal bowl: manual brass petcock drain
- Can be filled under pressure
- The rate of oil delivery may be controlled by turning the adjusting screw counter clockwise for more and clockwise for less oil delivery. The oil delivery rate will change automatically to deliver more oil during higher air flows and less oil for air flows lower than the one at which the setting was made

**Specifications**
- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **32°F** to **125°F (0°C** to **52°C)**
  - metal bowl: 200 PSIG (13.8 bar) and **32°F** to **150°F (0°C** to **66°C)**

| Size | Flow (SCFM) | Transparent Bowl Part # | Metal Bowl Part # |
|---|---|---|---|
| 3/4" | 196 | L30-06A | L30-06AMB |
| 1" | 374 | L30-08A | L30-08AMB |

NOTE: SCFM ratings at 120 PSIG inlet pressure.

NOTE: SCFM ratings at 150 PSIG inlet pressure.
See pages 312 - 316 for accessories.
See page 267 for air tool lubricant.

F

# Wilkerson FRLs

## L40 & L50-Series EconOmist® Standard Lubricators



transparent bowl with guard

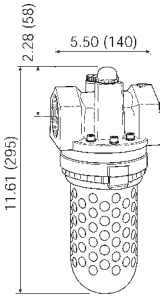



illustration represents L40 series

### Features

- 26 oz. bowl
- Transparent bowl: solid bottom
  metal bowl: manual drain with sight glass
- Full view sight dome
- Adjustable oil feed
- Can be filled under pressure
- Quick-disconnect clamp ring for easy bowl removal
- The rate of oil delivery may be controlled by turning the adjusting screw counter clockwise for more and clockwise for less oil delivery. The oil delivery rate will change automatically to deliver more oil during higher air flows and less oil for air flows lower than the one at which the setting was made

### Specifications

- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **32°F** to **125°F (0°C** to **52°C)**
  - metal bowl: 200 PSIG (13.8 bar) and **32°F** to **150°F (0°C** to **66°C)**

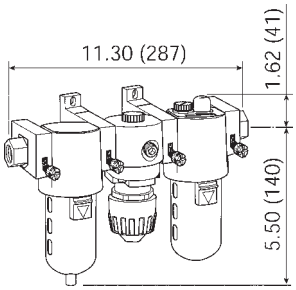
| Size | Flow (SCFM) | Transparent Bowl Part # | Metal Bowl with Sight Glass Part # |
|---|---|---|---|
| 1-1/2" | 927 | L40-0BA | L40-0BAMB |
| 2" | 1186 | L50-0CA | L50-0CAMB |

NOTE: See pages 312 - 316 for accessories.
See page 267 for air tool lubricant.
FRLs are designed for air service only, unless otherwise indicated.
SCFM ratings at 120 PSIG inlet pressure.

## C16-Series Compact Combination Units



transparent bowl with guard




### Features

- Included components:
  - (2) modular sleeves
  - (2) mounting brackets (sleeve and bracket)
  - (2) end blocks

Filter series F16:

- 5 micron element
- 2.7 oz. bowl

Regulator series R16:

- **0-125 PSI** adjusting range
- Self-relieving
- Supplied with a GC230 gauge

Lubricator series L16:

- 5 oz. bowl
- Adjustable oil feed
- Full view sight dome

### Specifications

- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **32°F** to **125°F (0°C** to **52°C)**
  - metal bowl: 200 PSIG (13.8 bar) and **32°F** to **175°F (0°C** to **80°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard | | Metal Bowl with Sight Glass | |
|---|---|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 1/4" | 36.1 | C16-02A | C16-02M | C16-02AMB | C16-02MMB |
| 3/8" | 58.5 | C16-03A | C16-03M | --- | C16-03MMB |
| 1/2" | 64.0 | C16-04A | C16-04M | C16-04AMB | C16-04MMB |

NOTE: SCFM ratings at 150 PSIG inlet pressure.
FRLs are designed for air service only, unless otherwise indicated.

# Wilkerson FRLs

## C18-Series Compact Combination Units

### Features

- Included components:
  - (2) end blocks
  - (2) mounting brackets with joiner set and port O-ring

Filter series F18:

- 5 micron element
- 1.72 oz. bowl

Regulator series R18:

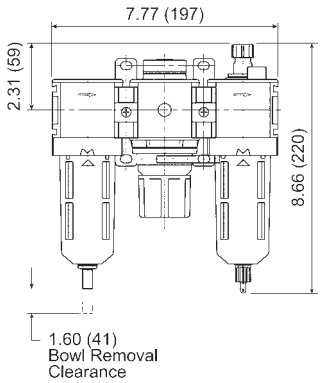
- **0-125 PSI** adjusting range
- Self-relieving
- Supplied with a GC230 gauge

Lubricator series L18:

- 4 oz. bowl
- Adjustable oil feed
- Full view sight dome



with metal bowl




### Specifications

- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **-13°F to 125°F (-25°C to 52°C)**
  - metal bowl: 250 PSIG (17.2 bar) and **-13°F to 150°F (-25°C to 66°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard | | Metal Bowl with Sight Glass | |
|---|---|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 1/4" | 42 | C18-02A | C18-02M | C18-02AMB | C18-02MMB |
| 3/8" | 68 | C18-03A | C18-03M | C18-03AMB | C18-03MMB |
| 1/2" | 85 | C18-04A | C18-04M | C18-04AMB | C18-04MMB |

## C26-Series Standard Combination Units

### Features

- Included components:
  - (2) modular sleeves
  - (2) mounting brackets (sleeve and bracket)
  - (2) end blocks

Filter series F26:

- 5 micron element
- 3.2 oz. bowl

Regulator series R26:

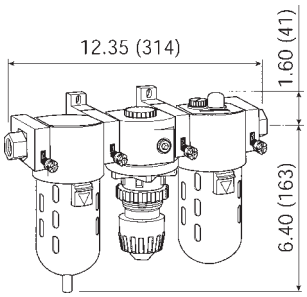
- **0-125 PSI** adjusting range
- Self-relieving
- Supplied with a GC230 gauge

Lubricator series L26:

- 10 oz. bowl
- Adjustable oil feed
- Full view sight dome



with metal bowl




### Specifications

- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **32°F** to **125°F (0°C** to **52°C)**
  - metal bowl: 200 PSIG (13.8 bar) and **32°F** to **175°F (0°C** to **80°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard | | Metal Bowl | |
|---|---|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 3/8" | 60 | C26-03A | C26-03M | C26-03AMB | C26-03MMB |
| 1/2" | 128 | C26-04A | C26-04M | C26-04AMB | C26-04MMB |

NOTE: SCFM ratings at 150 PSIG inlet pressure.
FRLs are designed for air service only, unless otherwise indicated.



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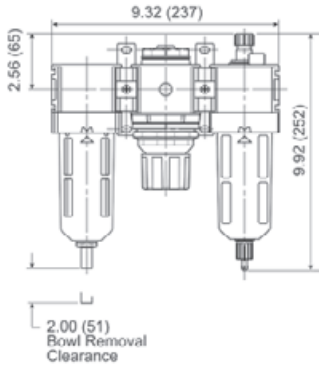
F

# Wilkerson FRLs

## C28-Series Standard Combination Units



with metal bowl




### Features

- Modern design and appearance
- Quick disconnect bowl / bowl guard
- Included components:
  - (2) end blocks
  - (2) mounting brackets with joiner set and port O-ring

Filter series F28:

- 5 micron element
- 2.87 oz. bowl

Regulator series R28:

- **0-125 PSI** adjusting range
- Self-relieving
- Supplied with a GC230 gauge

Lubricator series L28:

- 6 oz. bowl
- Adjustable oil feed
- Full view sight dome

### Specifications

- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **-13°F to 125°F (-25°C to 52°C)**
  - metal bowl: 250 PSIG (17.2 bar) and **-13°F to 150°F (-25°C to 66°C)**

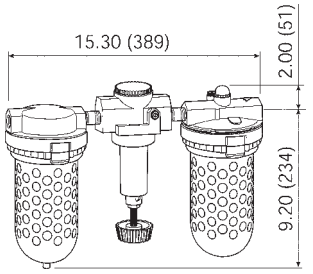
| Size | Flow (SCFM) | Transparent Bowl and Guard | | Metal Bowl | |
|---|---|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 3/8" | 90 | C28-03A | C28-03M | C28-03AMB | C28-03MMB |
| 1/2" | 90 | C28-04A | C28-04M | C28-04AMB | C28-04MMB |
| 3/4" | 110 | C28-06A | C28-06M | C28-06AMB | C28-06MMB |

NOTE: SCFM ratings given at 150 PSIG inlet pressure.

## C31-Series Jumbo Combination Units



with metal bowl




### Features

- High flow capacity
- Large bowl reservoir
- Included components:
  - (2) brass hex nipples

Filter series F30:

- 5 micron element
- 2 oz. bowl

Regulator series R30:

- **0-125 PSI** adjusting range
- Self-relieving
- Supplied with a GC230 gauge

Lubricator series L30:

- 26 oz. bowl
- Adjustable oil feed
- Full view sight dome

### Specifications

- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **32°F** to **125°F (0°C** to **52°C)**
  - metal bowl: 200 PSIG (13.8 bar) and **32°F** to **175°F (0°C** to **80°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard | | Metal Bowl with Sight Glass | |
|---|---|---|---|---|---|
| | | Automatic Drain Part # | Manual Drain Part # | Automatic Drain Part # | Manual Drain Part # |
| 3/4" | 374 | C31-06A | C31-06M | C31-06AMB | C31-06MMB |
| 1" | 374 | C31-08A | C31-08M | C31-08AMB | C31-08MMB |

NOTE: SCFM ratings at 120 PSIG inlet pressure

# Wilkerson FRLs

## D18-Series Combination Units

### Features
- Light weight, ready-to-mount assembly comes standard with pressure gauge and modular T-bracket/joiner assembly
- Components integrated into single unit
- Modern design and appearance
- Quick disconnect bowl / bowl guard
- 5 micron element
- 4 oz. bowl/lubricator

Regulator
- **0-125 PSI** adjusting range
- Self-relieving
- Supplied with gauge
- 1.72 oz. bowl/filter

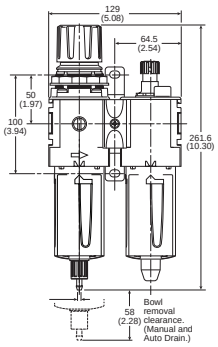


with transparent bowl and guard

### Specifications
- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **13°F to 125°F (-25°C to 52°C)**
  - metal bowl: 250 PSIG (17.2 bar) and **-13°F to 150°F (-25°C to 66°C)**

| Size | Flow (SCFM) | Transparent Bowl and Guard | Metal Bowl / Sight Gauge |
|---|---|---|---|
| | | Manual Drain Part # | Manual Drain Part # |
| 1/2" | 90 | D18-04M | D18-04MMB |

NOTE: SCFM ratings at 150 PSIG inlet pressure.




## D28-Series Combination Units

### Features
- Light weight, ready-to-mount assembly comes standard with pressure gauge and modular T-bracket/joiner assembly
- Components integrated into single unit
- Modern design and appearance
- Quick disconnect bowl / bowl guard
- 5 micron element
- 6 oz. bowl/lubricator

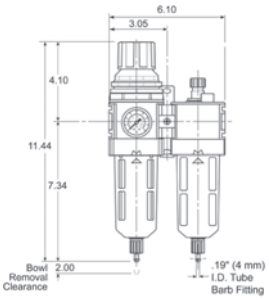
Regulator
- **0-125 PSI** adjusting range
- Self-relieving
- Supplied with gauge
- 2.87 oz. bowl/filter



with metal bowl

### Specifications
- Maximum operating conditions:
  - 250 PSIG (17.2 bar) and **-13°F to 125°F (-25°C to 52°C)**

| Size | Flow (SCFM) | Metal Bowl / Sight Gauge |
|---|---|---|
| | | Manual Drain Part # |
| 1/2" | 150 | D28-04MMB |
| 3/4" | 150 | D28-06MMB |




NOTE: SCFM ratings at 150 PSIG inlet pressure.
FRLs are designed for air service only, unless otherwise indicated.

F

## Wilkerson FRLs

### C31-Series Combination Unit with Protective Frame



**Application**
- Provides downstream air preparation with protection and convenience

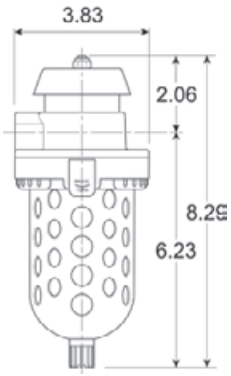
**Features**
- Include components:
  -C31-08AMB 1" FRL with metal bowls and auto drain filter
  -BBLV100 1" brass ball valve and AM12 Air King® on inlet port
  -BBV100DTW 3-way ball valve installed between regulator and lubricator provides option for non-lubricated air
- Heavy duty frame protects air prep components

**Specifications**
- Operating:
  maximum pressure: 250 PSIG
  temperature range: **40°F** to **150°F (4°C** to **66°C)**
  flow: 320 SCFM

| Size | Part # |
|---|---|
| 1" | C31-08FRAME |

### F23-Series Exhaust Muffler






**Features**
- The contaminants in the exhaust flow are mechanically separated and twice filtered to 5 micron levels, the clean, muffled exhaust flows out of the unit under the metal hood on top
- Removes oily aerosols from exhaust flows
- One inlet port
- 5 micron element
- Quick disconnect clamp ring for easy bowl removal
- Manual drain

**Specifications**
- Operating:
  maximum pressure: 150 PSIG (10.3 bar)
  temperature range: **32°F** to **125°F (0°C** to **52°C)**

| Size | Flow @ 90 PSI | Transparent Bowl with Guard Part # |
|---|---|---|
| 1/2" | 240 SCFM | F23-04M |

NOTE: FRLs are designed for air service only, unless otherwise indicated. ⚠

# Wilkerson FRLs

## X02-Series Automatic Drains

As liquid contaminants collect in the bowl, they raise a closed-cell cellular float. When the liquid level reaches a given point, the float triggers a mechanism which pilots line pressure against a large area piston or diaphragm which snaps open the drain valve. The contaminants are discharged from the drain orifice at line pressure. As the liquid level falls, the pilot valve closes, line pressure against the piston/diaphragm returns to atmosphere and the drain valve snaps closed.



with metal bowl



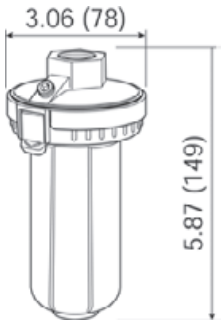
### Features

- 5 oz. bowl
- Fully automatic, float operated
- Full 1/2" NPT drain inlet
- Quick-disconnect clamp ring for easy bowl removal when servicing
- No electrical connections
- Easy installation

### Specifications

- Maximum operating conditions:
  - transparent bowl: 150 PSIG (10.3 bar) and **32°F** to **125°F (0°C** to **52°C)**
  - metal bowl: 200 PSIG (13.8 bar) and **32°F** to **150°F (0°C** to **66°C)**

| Size | Transparent Bowl Part # | Metal Bowl Part # |
|---|---|---|
| 1/2" | X02-04 | X02-04MB |




## Lockout Valves

### Application

- Lockout valves are installed in pneumatic drop legs or individual pneumatic control lines, in accordance with OSHA procedures, lockout valves are used during maintenance and service procedures of pneumatically (air) operated equipment



### Features

- Used to comply with OSHA 29 CFR part 1910
- Built in port for pressure verification to meet ANSI B11 and Pmm155 requirements
- Inline or surface mountable
- Yellow cast aluminum body with red handle

### Specifications

- Pressure range: **15-300 PSI**
- Temperature range: **40°F** to **175°F (4°C** to **79°C)**

| Port In/Out | Port Exhaust | Part # |
|---|---|---|
| 1/2" | 3/4" | LV4N6D |
| 3/4" | 3/4" | LV6N6D |
| 3/4" | 1-1/4" | LV6NAD |
| 1" | 1-1/4" | LV8NAD |

# Wilkerson FRLs

## Filter Elements




FRP-95-115

| Used On | Description | Part # |
|---|---|---|
| F03 | 5 micron element | PS403 |
| F08 | | FRP-96-729 |
| F16 | | FRP-95-160 |
| F18 | | FRP-96-639 |
| F26 | | FRP-95-115 |
| F28 | | FRP-96-653 |
| F30 | | FRP-95-209 |
| F35 | | FRP-95-505 |
| F42 | | FRP-95-566 |

F

## Coalescing Filter Elements



MTP-95-548

| Used On | Description | Part # |
|---|---|---|
| M16, M26, M30 | type B element (0.5 micron) | MSP-95-989 |
| M16 | type C element (0.01 micron) | MTP-95-548 |
| M26 | type C element (0.01 micron) | MTP-95-549 |
| M30 | type C element (0.01 micron) | MTP-95-551 |
| M35 | type C element (0.01 micron) | MTP-95-502 |

## Desiccant Dryer Gel Refill



| Used On | Description | Part # |
|---|---|---|
| X03 | 8 bags of silica gel refill | DRP-85-059 |

## Filter Bowls with Drain



FRP-95-015

| Used On | Description | Part # |
|---|---|---|
| F08 | plastic bowl with guard and manual drain | GRP-96-712 |
| F16, M16 | plastic bowl and metal bowl guard with flex tip drain | FRP-95-014 |
| | plastic bowl and metal bowl guard with auto drain | FRP-95-015 |
| | plastic bowl with manual drain | FRP-95-017 |
| | metal bowl with sight glass and manual drain | GRP-95-133 |
| | metal bowl with auto drain | FRP-95-950 |
| F18 | plastic bowl and bowl guard with manual drain | GRP-96-634 |
| | plastic bowl and bowl guard with auto drain | GRP-96-635 |
| | metal bowl with sight glass and manual drain | GRP-96-636 |
| F26, M26 | plastic bowl and metal bowl guard with flex tip drain | GRP-95-935 |
| | plastic bowl and metal bowl guard with auto drain | GRP-95-948 |
| | metal bowl with sight glass and manual drain | GRP-95-931 |
| | metal bowl with auto drain | GRP-95-960 |
| F28 | plastic bowl, bowl guard, manual drain | GRP-96-642 |
| | metal bowl, with sight glass, manual drain | GRP-96-644 |
| F30, M30 | plastic bowl and metal bowl guard with manual drain | FRP-95-832 |
| | plastic bowl and metal bowl guard with auto drain | FRP-95-775 |
| | plastic bowl with flex tip drain | FRP-96-315 |
| | metal bowl with sight glass and manual drain | GRP-95-676 |

# Wilkerson FRLs

## Filter Drains

| Used On | Description | Part # |
|---|---|---|
| F16, F18, F26, F28, F30, F35, M16, M26, M30, M32, M35 | automatic drain with flourocarbon seal | GRP-95-981 |
| F16, F18, F26, F28, F30, M16, M26, M30 | automatic float drain with a nitrile seal | GRP-95-973 |
| F16, F18, F26, F28, F30, F35, M16, M26, M30, M35 | manual override drain | GRP-96-001 |
| F16, F26, F30, M16, M26, M30 | manual petcock drain for use with metal bowl units | GRP-95-182 |
| F16, F26, F30, M16, M26, M30 | manual flex tip drain | FRP-95-610 |
| F18, F28 | manual drain | GRP-96-685 |



GRP-96-001

F

## Sight Glass Kit

| Used On | Description | Part # |
|---|---|---|
| M16, M26 | sight glass kit for metal bowls | GRP-95-079 |



## Differential Pressure Indicators

**Features**

- Used to replace damaged indicators on filters and modular coalescing filters
- Pressure loss changes color of indicator window from green to red

| Used On | Description | Part # |
|---|---|---|
| M16, M26, M30, M32 | indicator | DP2-01-000 |
| F35, M35 | indicator | DP2-01-001 |
| M18, M28 | indicator | DP8-01-000 |
| M18, M28 | indicator | DP8-01-001 |



DP2-01-000

## Ring Style Tamper Resistant Kits

| Used On | Description | Part # |
|---|---|---|
| R08 | ring style tamper resistant kit | RPA-96-735 |
| R16,R26 | | RPA-95-006 |
| R18 | | RRP-96-671 |
| R28 | | RRP-96-672 |



RPA-95-006

## Wilkerson FRLs

### Regulator Repair Kits



RRP-95-952

| Used On | Description | Part # |
|---|---|---|
| R16 | self-relieving repair kit | RRP-95-131 |
| R18 | relieving diaphragm assembly | RRP-96-656 |
| R26 | self-relieving repair kit | RRP-95-952 |
| R28 | relieving diaphragm assembly | RRP-96-986 |
| R30 | valve assembly: valve, spring, bottom plug O-ring | RRP-95-159 |
| R40 | valve assembly: valve, spring, retaining ring O-ring | RRP-95-161 |

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### Lubricator Bowls and Bowl Guards



GRP-95-019

| Used On | Description | Part # |
|---|---|---|
| L08 | plastic bowl with guard and manual drain | LRP-96-736 |
| L16 | metal bowl with sight glass and manual drain | GRP-95-133 |
| | plastic bowl with guard and manual drain | GRP-95-019 |
| | plastic bowl with no drain | LRP-96-937 |
| L18 | metal bowl with sight glass, manual drain | GRP-96-636 |
| | plastic bowl with guard and manual drain | LRP-96-701 |
| L26 | metal bowl with sight glass and manual drain | GRP-95-931 |
| | plastic bowl with no drain | LRP-96-938 |
| L28 | metal bowl with sight glass, manual drain | GRP-96-644 |
| | plastic bowl with guard and manual drain | LRP-96-702 |
| L30, L40 | metal bowl with sight glass and manual drain | GRP-95-676 |
| L30, L40, L50 | plastic bowl with no drain | LRP-96-940 |

### Sight Domes and Fill Plugs



LRP-95-249

| Used On | Description | Part # |
|---|---|---|
| L08, L16, L26 | sight dome kit: dome and O-ring | LRP-95-239 |
| L08 | fill plug kit: fill plug and O-ring | LRP-96-730 |
| L16, L26, L30 | fill plug kit: fill plug and O-ring | LRP-95-253 |
| L18, L28 | sight dome assembly (new style) | LRP-96-310 |
| L30, L40, L50 | sight dome kit: dome and O-ring | LRP-95-249 |
| L40, L50 | fill plug kit: fill plug and O-ring | LRP-95-250 |

### Modular Shut-Off Valves

**Application**

- Useful for isolating and depressurizing a downstream unit requiring maintenance or replacement



GPA-95-098

**Features**

- Can be installed immediately upstream of a single unit or combination of units
- Secure to the unit with a modular sleeve or modular sleeve wall mounting bracket
- Ball-type valve operates with a 1/4 turn from open to shut position
- Can be locked in the open position
- Left-to-right flow

| Used On | Description | Part # |
|---|---|---|
| F16, F26, R16, B26, L16, L26 | 1/4" NPT safety shut-off valve | GPA-95-096 |
| | 3/8" NPT safety shut-off valve | GPA-95-097 |
| | 1/2" NPT safety shut-off valve | GPA-95-098 |

# Wilkerson FRLs

## Modular Blocks

**Features**

Manifold Block

- Flexible installation can be installed after the filter or regulator, providing three additional 1/4" NPT tapped auxiliary ports
- 1/2" inlet/outlet ports non-tapped
- 1-17/32" width

End Block

- When used with the modular sleeve, end blocks allow a single unit or a combination of units to be piped into the air system in the modular mode
- Allows ease of unit servicing or replacement without disturbing the air line connections

| Used On | Description | Part # |
|---|---|---|
| F16, M16, F26, M26, R16, R26, L16, L26 | manifold block, three ¼" NPT auxiliary ports | GPA-95-919 |
| | end block, 1/4" NPT | GPA-95-223 |
| | end block, 3/8" NPT | GPA-95-224 |
| | end block, 1/2" NPT | GPA-95-225 |
| F18, F28, R18, R28, L18, L28 | end block, 1/4" NPT | GPA-96-610 |
| | end block, 3/8" NPT | GPA-96-611 |
| | end block, 1/2" NPT | GPA-96-612 |
| | end block, 3/4" NPT | GPA-96-613 |



GPA-95-919



GPA-95-223



GPA-96-610

## Modular Pipe Adapters

**Features**

- When used with the modular sleeve, adapter inserts allow a single unit or a combination of units to be piped into the air system in the modular mode
- Allows ease of unit servicing or replacement without disturbing the air line connections
- Set includes (2) blocks

| Used On | Description | Part # |
|---|---|---|
| F16, M16, F26, M26, R16, R26, L16, L26 | 1/4" NPT | GPA-95-035 |
| | 3/8" NPT | GPA-95-036 |
| | 1/2" NPT | GPA-95-037 |



GPA-95-037

## Modular Sleeve

**Features**

- Design easily and quickly connects one or more units and accessories together without pipe nipples
- Hand tightening the threaded pin provides a tight seal between the units

| Used On | Description | Part # |
|---|---|---|
| F16, F26, R16, R26, L16, L26 | modular sleeve | GPA-95-292 |



## Modular Sleeve with T Bracket

**Features**

- Designed to mount a single unit or combination of units directly to the wall
- Sleeve and mounting bracket can be ordered assembled, or just the mounting bracket alone for use on existing modular sleeves

| Used On | Description | Part # |
|---|---|---|
| F16, F26, R16, R26, L16, L26 | bracket | GPA-95-968 |
| | sleeve and bracket | GPA-95-969 |





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GPA-96-737

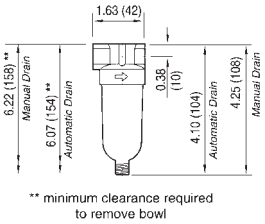
## Wilkerson FRLs

### Mounting Brackets and Joiner Sets

| Used On Filter/ Regulator/ Lubricator Series | Description | Part # |
|---|---|---|
| RB3 | mounting bracket (type L) and nut | GRP-95-747 |
| F03 | mounting bracket | PS417B |
| F08 | mounting bracket (type T) with joiner set and port O-ring | GPA-96-737 |
| | mounting bracket (type C) | GPA-97-010 |
| | joiner set and port O-ring | GPA-96-738 |
| R08 | mounting bracket (type L) | GRP-96-739 |
| F16, M16 | mounting bracket (type L) | GPA-95-016 |
| R16 | mounting bracket (type L) and nut | GPA-95-011 |
| R16, R21, R26, R30, R40 | wall mount bracket with ¼" NPT gauge port adapter | RRP-95-590 |
| F18 | body mounting bracket (type L) | GPA-96-604 |
| | bonnet mounting bracket (type L) | GPA-96-606 |
| F18, F28 | mounting bracket (type T) | GPA-96-602 |
| | mounting bracket (type T) with joiner set and port O-ring | GPA-96-603 |
| F26, M26 | mounting bracket (type L) | GPA-95-946 |
| F28 | body mounting bracket (type L) | GPA-96-605 |
| | mounting bracket (type L) | GPA-96-607 |
| F30 | wall mount, U-bolt pipe clamp | GRP-95-734 |

# Series 1 FRLs

## F07-Series Carded Miniature Filters




### Features
- 5 micron element
- 1 oz. reservoir
- Transparent bowl

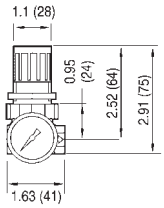


### Specifications
- Inlet pressure **150 PSI** maximum
- Maximum temperature: **125°F (52°C)**

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 1/4" | 24 | F07-200AC | F07-200MC |

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## R07-Series Carded Miniature Regulator



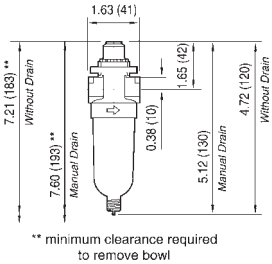

### Features
- Relieving type
- Supplied with a GC620 gauge




### Specifications
- Inlet pressure **250 PSI** maximum
- Maximum temperature: **150°F (66°C)**
- Pressure range **5-100 PSI**

| Port Size | Flow (SCFM) | with Gauge Part # |
|---|---|---|
| 1/4" | 15 | R07-200RGC |

## L07-Series Carded Miniature Lubricator



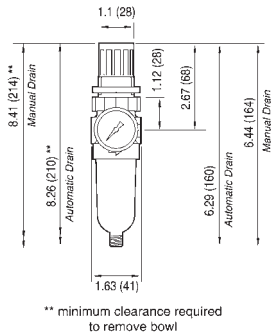

### Feature
- 1 oz. reservoir




### Specifications
- Inlet pressure **150 PSI** maximum
- Maximum temperature: **125°F (52°C)**

| Port Size | Flow (SCFM) | with Transparent Bowl Part # |
|---|---|---|
| 1/4" | 15 | L07-200AC |

## B07-Series Carded Miniature Filter/Regulators




### Features
- Relieving type
- 5 micron element
- 1 oz. reservoir
- Push-to-lock adjusting knob
- Supplied with a GC620 gauge
- Bowl guard not available
- Transparent bowl




### Specifications
- Pressure range **5-100 PSI**
- Inlet pressure **150 PSI** maximum
- Maximum temperature: **125°F (52°C)**

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 1/4" | 14 | B07-202AGC | B07-202MGC |

NOTE: FRLs are designed for air service only, unless otherwise indicated. SCFM ratings given at 150 PSIG inlet pressure.

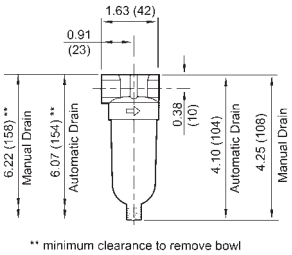
# Series 1 FRLs

## F07-Series Miniature Filters



**Features**
- 5 micron element
- 1 oz. reservoir
- Transparent bowl

**Specifications**
- Inlet pressure **150 PSI** maximum
- Maximum temperature: **125°F (52°C)**




| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 1/8" | 19 | F07-100A | F07-100M |
| 1/4" | 24 | F07-200A | F07-200M |

NOTE: SCFM ratings given at 90 PSIG inlet pressure.

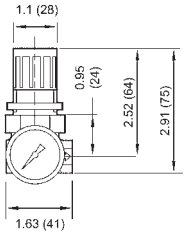
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## R07-Series Miniature Regulators



**Features**
- Relieving type
- RG models supplied with a GC620 gauge
- Panel nut not included

**Specifications**
- Inlet pressure **300 PSI** max.
- Maximum temperature: **150°F (66°C)**
- Regulation at flows up to 22 SCFM at 100 PSIG
- Pressure range **5-100 PSI**




| Port Size | Flow (SCFM) | with Gauge Part # | without Gauge Part # |
|---|---|---|---|
| 1/8" | 14 | R07-100RG | R07-100R |
| 1/4" | 15 | R07-200RG | R07-200R |

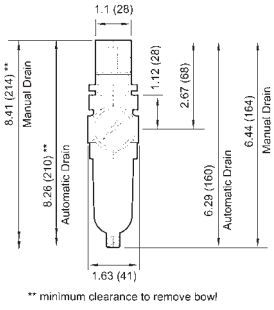
NOTE: SCFM ratings given at 100 PSIG inlet pressure.

## B07-Series Miniature Filter / Regulators



**Features**
- Relieving type
- 5 micron element
- 1 oz. reservoir
- Push-to-lock adjusting knob
- Supplied with a GC620 gauge
- Bowl guard not available
- Transparent bowl

**Specifications**
- Inlet pressure **150 PSI** maximum
- Maximum temperature: **125°F (52°C)**
- Pressure range **5-100 PSI**




| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 1/8" | 13 | B07-102AG | B07-102MG |
| 1/4" | 24 | B07-202AG | B07-202MG |

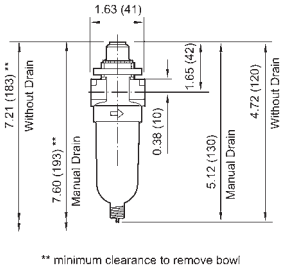
NOTE: SCFM ratings given at 150 PSIG inlet pressure.

## L07-Series Miniature Lubricators



**Feature**
- 1 oz. reservoir

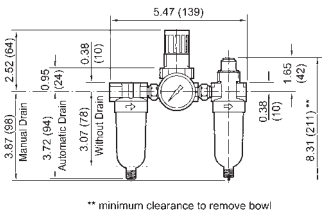
**Specifications**
- Inlet pressure **150 PSI** maximum
- Maximum temperature: **125°F (52°C)**




| Port Size | Flow (SCFM) | Transparent Bowl Part # |
|---|---|---|
| 1/8" | 10 | L07-100A |

# Series 1 FRLs

## P1A-Series Miniature Combination Units



** minimum clearance to remove bowl

### Features
- 1 oz. reservoir
- Supplied with a GC620 gauge
- Transparent bowl

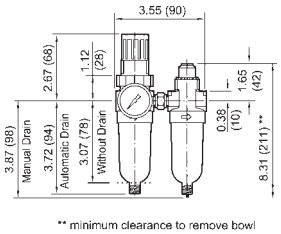
### Specifications
- Inlet pressure **150 PSI** maximum
- Maximum temperature: **125°F (52°C)**
- Pressure range: **5-125 PSI**



| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 1/8" | 10 | P1A-100A | P1A-100M |
| 1/4" | 14 | P1A-200A | P1A-200M |

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## PTH-Series Miniature Combination Units



** minimum clearance to remove bowl

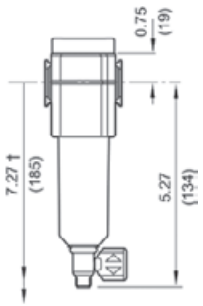
### Features
- Transparent bowl
- Requires only two pipe connections

### Specifications
- Inlet pressure **150 PSI** maximum
- Maximum temperature: **125°F (52°C)**
- Pressure range: **5-125 PSI**



| Port Size | Flow (SCFM) | Automatic Drain Part # |
|---|---|---|
| 1/8" | 10 | PTH-100AG |
| 1/4" | 14 | PTH-200AG |

## F72-Series Sub-Compact Airline Filters



† Minimum clearance to remove bowl

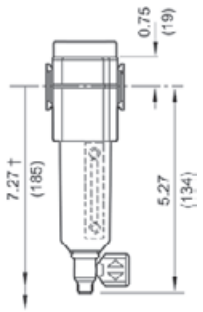
### Features
- Particle removal per ISO 8573-1, Class 5, and Class 3
- 40 micron element
- 2 oz. reservoir
- Quick-release bayonet bowl
- Prismatic lens liquid level indicator

### Specifications
- Inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **150°F (66°)**


with transparent bowl

### Transparent Bowl

| Port Size | Flow (SCFM) | Semi-Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 1/4" | 55 | F72G-2A | F72G-2M |



† Minimum clearance to remove bowl

### Metal Bowl and Sight Glass

| Port Size | Flow (SCFM) | Semi-Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 1/4" | 55 | F72G-2A-MB | F72G-2M-MB |


with metal bowl

NOTE: SCFM ratings at 100 PSIG inlet pressure for regulators, 90 PSIG all others.
FRLs are designed for air service only, unless otherwise indicated.

# Series 1 FRLs

## F73-Series Compact Airline Filters



with transparent bowl



with metal bowl

### Features

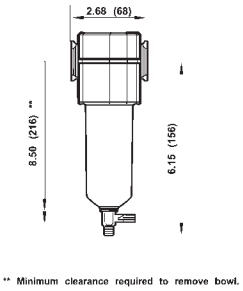
- Particle removal per ISO 8573-1, Class 5, and Class 3
- 40 micron element
- 4 oz. reservoir
- Quick-release bayonet bowl
- Prismatic lens liquid level indicator

### Specifications

- Inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**

### Transparent Bowl

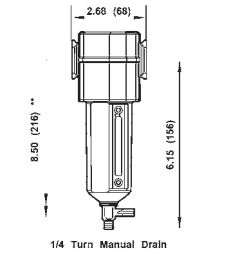
| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 1/4" | 53 | F73G-2A | F73G-2M |
| 3/8" | 65 | F73G-3A | F73G-3M |
| 1/2" | 69 | F73G-4A | F73G-4M |




** Minimum clearance required to remove bowl.

### Metal Bowl and Sight Glass

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 1/4" | 53 | F73G-2A-MB | F73G-2M-MB |
| 3/8" | 65 | F73G-3A-MB | F73G-3M-MB |
| 1/2" | 69 | F73G-4A-MB | F73G-4M-MB |




** Minimum clearance required to remove bowl.

## F74-Series Standard Airline Filters



with transparent bowl



with metal bowl

### Features

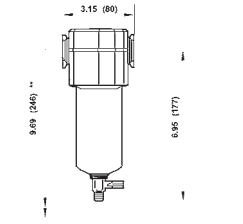
- Particle removal per ISO 8573-1, Class 5, and Class 3
- 40 micron element
- 7 oz. reservoir
- Quick-release bayonet bowl
- Prismatic lens liquid level indicator

### Specifications

- Inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**

### Transparent Bowl and Guard

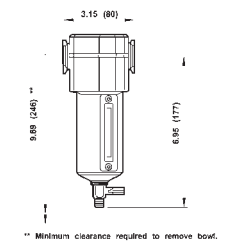
| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 3/8" | 112 | F74G-3A | F74G-3M |
| 1/2" | 140 | F74G-4A | F74G-4M |
| 3/4" | 140 | F74G-6A | F74G-6M |




** Minimum clearance required to remove bowl.

### Metal Bowl and Sight Glass

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 3/8" | 112 | F74G-3A-MB | F74G-3M-MB |
| 1/2" | 140 | F74G-4A-MB | F74G-4M-MB |
| 3/4" | 140 | F74G-6A-MB | F74G-6M-MB |




** Minimum clearance required to remove bowl.

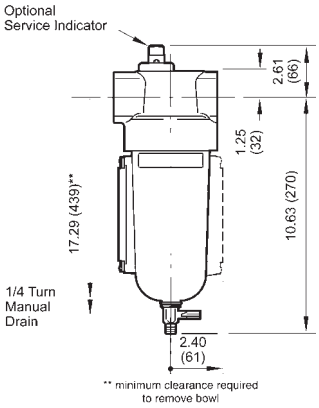
NOTE: See pages 333 to 338 for accessories.
FRLs are designed for air service only, unless otherwise indicated.



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# Series 1 FRLs

## F17-Series Jumbo Airline Filters




### Features

- General purpose with low pressure drop and excellent water removal characteristics
- 40 micron element
- 1 qt. reservoir

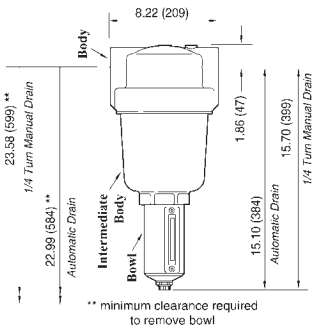


### Specifications

- Inlet pressure: **250 PSI** and **175°F (79°C)**

**Metal Bowl and Sight Glass**

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 3/4" | 325 | F17-600A | F17-600M |
| 1" | 425 | F17-800A | F17-800M |
| 1-1/4" | 425 | F17-A00A | F17-A00M |
| 1-1/2" | 425 | F17-B00A | F17-B00M |




### Features

- 40 micron element
- Quick-release bayonet bowl
- Prismatic lens liquid level indicator
- 7 oz. reservoir



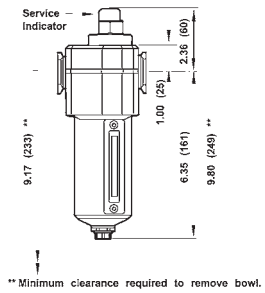
### Specifications

- Inlet pressure: **250 PSI** and **175°F (79°C)**

**Metal Bowl and Sight Glass**

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 2" | 1400 | F18-C00A | F18-C00M |

## F74-Series Oil Removal Filters




### Features

- Provides air quality class 2 hydrocarbon and class 1 particulate removal per ISO 8573-1
- Element removes particles down to 0.01mm. Maximum remaining oil content of air leaving the filter is 0.01 ppm at **70°F (21°C)** with an inlet concentration of 8 ppm
- For maximum service life install a general purpose filter upstream of the oil removal filter
- Service life indicator turns from green to red when element needs to be replaced
- In-line or modular installation
- Quick-release bayonet bowl
- Prismatic lens liquid level indicator



### Specifications

- Inlet pressure: **250 PSI** and **150°F (66°C)**

| Port Size | Flow (SCFM) Saturated | SCFM Dry | Automatic Drain Part # |
|---|---|---|---|
| 3/8" | 35 | 70 | F74C-3A-MB |
| 1/2" | 35 | 75 | F74C-4A-MB |
| 1/2" | 60 | 100 | F74H-4A-MB |
| 3/4" | 60 | 120 | F74H-6A-MB |

NOTE: See pages 333 to 338 for accessories.

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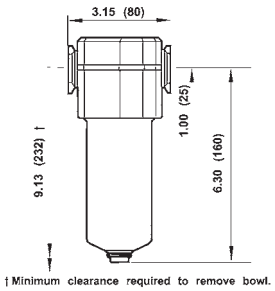
# Series 1 FRLs

## F74-Series Oil Vapor Removal Filters



### Features

- Provides air quality class 1 particulate removal per ISO 8573-1, when used with the F74C series
- For maximum service life install a general purpose filter and an oil removal filter upstream of the oil vapor removal filter
- Carbon cartridge element provides long service life
- Activated carbon cartridge filter element absorbs oil vapors and removes most hydrocarbon odors
- In-line or modular installation
- Quick-release bayonet bowl
- Metal bowl




### Specifications

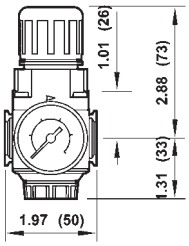
- Inlet pressure: **250 PSI** and **150°F (66°C)**
- Filter and element designs optimizes air velocity and contact time to reduce oil content of air leaving the filter to 0.003 ppm at **70°F (21°C)**
- Minimum service life of 400 hours can be expected if the vapor removal filter is protected upstream by an oil removal (coalescing) filter and if the filtration temperature is in the region of **70°** to **80°F (21° to 26°C)**, above this range, oil vapor content of compressed air increases substantially and element service life is reduced

| Port Size | Flow (SCFM) | Automatic Drain with Metal Bowl Part # |
|---|---|---|
| 3/8" | 21 | F74V-3A-MB |
| 1/2" | 21 | F74V-4A-MB |

NOTE: SCFM ratings at 90 PSIG inlet pressure.

# Series 1 FRLs

## R72-Series Sub-Compact Regulators




### Features
- In-line or modular installation
- Two full flow 1/8" NPT gauge ports
- RG models supplied with GC620 gauge

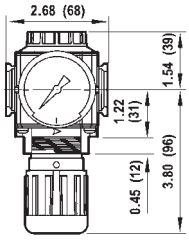
### Specifications
- To order **0-60 PSI** range consult Dixon®
- Pressure range: **5-150 PSI**
- Inlet pressure: **300 PSI**
- Maximum temperature: **150°F (66°C)**



| Port Size | Flow (SCFM) | with Gauge Part # | without Gauge Part # |
|---|---|---|---|
| 1/4" | 70 | R72G-2RG | R72G-2R |
| 3/8" | 70 | R72G-3RG | R72G-3R |

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## R73-Series Compact Regulators




### Features
- In-line or modular installation
- Relieving type
- Two full flow 1/4" NPT gauge ports
- RG models supplied with GC230 gauge

### Specifications
- To order **0-60 PSI** range consult Dixon
- Pressure range: **5-150 PSI**
- Inlet pressure: **300 PSI**
- Maximum temperature: **150°F (66°C)**



| Port Size | Flow (SCFM) | with Gauge Part # | without Gauge Part # |
|---|---|---|---|
| 1/4" | 91 | R73G-2RG | R73G-2R |
| 3/8" | 144 | R73G-3RG | R73G-3R |
| 1/2" | 144 | R73G-4RG | R73G-4R |

NOTE: SCFM ratings given at 150 PSIG inlet pressure
FRLs are designed for air service only, unless otherwise indicated.
See pages 333 to 338 for accessories.

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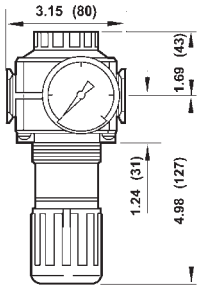
# Series 1 FRLs

## R74-Series Standard Regulators



**Features**
- In-line or modular installation
- Relieving type
- Two full flow 1/4" NPT gauge ports
- RG models supplied with GC230 gauge

**Specifications**
- Pressure range: **5-150 PSI**
- Inlet pressure: **300 PSI**
- Maximum temperature: **150°F (66°C)**
- To order **0-60 PSI** range consult Dixon®.



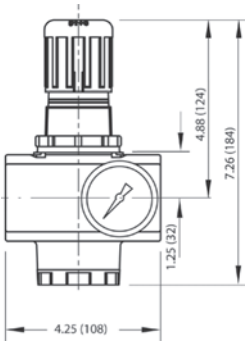

| Port Size | Flow (SCFM) | with Gauge Part # | without Gauge Part # |
|---|---|---|---|
| 3/8" | 208 | R74G-3RG | R74G-3R |
| 1/2" | 220 | R74G-4RG | R74G-4R |
| 3/4" | 220 | R74G-6RG | R74G-6R |

## R17, R18-Series Jumbo Regulators



**Features**
- In-line or modular installation
- Relieving type
- Two full-flow 1/4" NPT gauge ports
- RG models supplied with GC230 gauge

**Specifications**
- Pressure range: **5-125 PSI**
- Inlet pressure: **300 PSI**
- Maximum temperature: **175°F (79°C)**



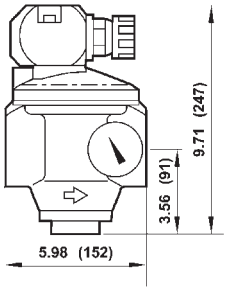

| Port Size | Flow (SCFM) | with Gauge Part # | without Gauge Part # |
|---|---|---|---|
| 3/3/4" | 440 | R17-600RG | R17-600R |
| 1" | 480 | R17-800RG | R17-800R |
| 1-1/4" | 400 | R17-A00RG | R17-A00R |
| 1-1/2" | 440 | R17-B00RG | R17-B00R |

NOTE: SCFM ratings given at 150 PSIG inlet pressure



**Features**
- Relieving type
- Two full flow 1/4" NPT gauge ports
- RG model supplied with GC230 gauge

**Specifications**
- **5-125 PSI** range
- Inlet pressure: **450 PSI**
- Maximum temperature: **175°F (79°C)**




| Port Size | Flow (SCFM) | with Gauge Part # | without Gauge Part # |
|---|---|---|---|
| 2" | 2000 | R18-C05RG | R18-C05R |

NOTE: SCFM ratings given at 100 PSIG inlet pressure

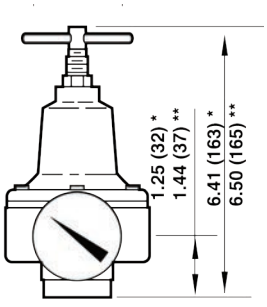
## R11-Series General T-Handle Regulators

Floating valve pin provides positive seating and dependability. Large diaphragm provides quick response to flow demands and line pressure changes. Balanced valve reduces inlet pressure variations on outlet pressure.



**Features**
- T-handle adjustment
- Supplied with GC620 gauge

**Specifications**
- Pressure range: **5-125 PSI**
- Inlet pressure: **400 PSI**
- Maximum temperature: **175°F (79°)**




| Port Size | Flow (SCFM) | with Gauge Part # |
|---|---|---|
| 1/4" | 110 | R11-013RG |
| 3/8" | 110 | R11-037RG |
| 1/2" | 260 | R11-061RG |

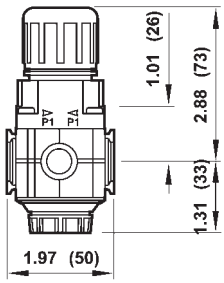
NOTE: SCFM ratings given at 150 PSIG inlet pressure

FRLs are designed for air service only unless otherwise indicated

# Series 1 FRLs

## R72-Series Manifold Regulators

Manifold up to six regulators on a single air supply. Design allows in-line installation with hex nipple or modular installation with 72 series accessories.




**Feature**
- RG models supplied with GC620 gauge

**Specifications**
- Pressure range: **5-150 PSI**
- Inlet pressure: **300 PSI**
- Maximum temperature: **150°F (66°C)**

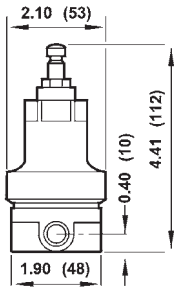


| Port Size | Flow (SCFM) | with Gauge Part # | without Gauge Part # |
|---|---|---|---|
| 1/4" | 83 | R72M-2RG | R72M-2R |
| 3/8" | 83 | R72M-3RG | R72M-3R |

NOTE: SCFM ratings at 150 PSIG.

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## R83-Series Cylinder Gas Regulator




**Applications**
- UL listed for service with carbon dioxide, water, pumped air, nitrogen, argon, helium, krypton, neon, and xenon
- *Not to be used with flammable gases*

**Features**
- Relieving type
- Two ports for high pressure and two ports for service

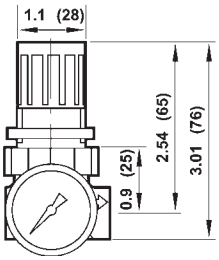
**Specifications**
- Pressure range: **5-125 PSI**
- Inlet pressure: **3,000 PSI**
- Maximum temperature: **140°F (60°C)**



| Port Size | Flow (SCFM) | without Gauge Part # |
|---|---|---|
| 1/4" | 10 | R83-200R |

NOTE: SCFM ratings given at 1000 PSIG inlet pressure.

## R91-Series Miniature Water Regulator




**Application**
- Designed for use with deionized water and potable water systems, plastic and metal components in contact with fluid are approved by the National Sanitation Foundation (NSF) or meet Food and Drug Administration (FDA) recommendations for use in potable water systems

**Features**
- Non-relieving type
- Supplied with GC620 gauge
- Food grade elastomers

**Specifications**
- Inlet pressure: **150 PSI**
- Maximum temperature: **125°F (52°C)**
- Pressure range 5-50 PSIG



| Port Size | Flow (GPM) | with Gauge Part # |
|---|---|---|
| 1/4" | **1.75** | R91-221RG |

NOTE: SCFM ratings given at 100 PSIG inlet pressure
FRLs are designed for air service only, unless otherwise indicated

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# Series 1 FRLs

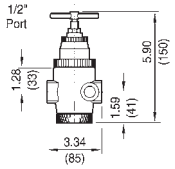
## R43-Series Water Pressure Regulators

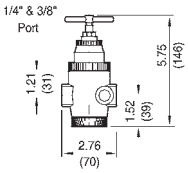


### Application
- Used in water systems to reduce and maintain pressure at a nearly constant level despite changes in the inlet pressure and changes in downstream flow requirements

### Features
- T-handle adjustment
- Brass body and aluminum bonnet
- Non-relieving type
- Gauge port is full-flow and can be used as an outlet port
- Supplied with GC230 gauge

### Specifications
- Pressure range: **5-125 PSI**
- Inlet pressure: **400 PSI**
- Temperature range:
  - water service: **35°** to **200°F (2°C to 93°C)**
  - air service: **-30°** to **200°F (-34°C to 93°C)**




| Port Size | Flow (GPM) | with Gauge Part # |
|---|---|---|
| 1/4" | **5** | R43-201RG |
| 3/8" | **5** | R43-301RG |
| 1/2" | **10** | R43-406RG |

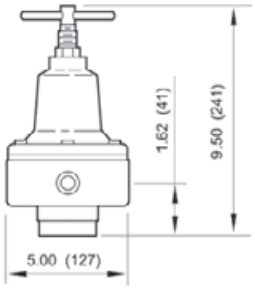
## 11-009-Series Water Regulators



### Application
- Balanced valve minimizes effects of the inlet pressure variations on outlet pressure

### Features
- T-handle adjustment
- Non-relieving type
- Body, valve, and bottom plug are brass; bonnet is aluminum and steel
- Elastomers are nitrile

### Specifications
- Inlet pressure: **400 PSI**
- Temperature range:
  - water service: **35° to 200°F (2° to 93°C)**
  - air service: **-30° to 200°F (-34° to 93°C)**
- Pressure range: 5-125 PSIG




| Port Size | Flow (GPM) | without Gauge Part # |
|---|---|---|
| 3/4" | **27.5** | 11-009-065 |
| 1" | **27.5** | 11-009-081 |

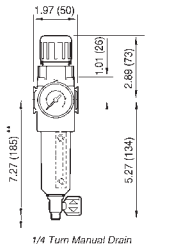
## B72-Series Sub-Compact Filter / Regulators



with transparent bowl

### Features
- Particle removal per ISO 8573-1, Class 5, and Class 3
- In-line or modular installation
- 40 micron element
- 2 oz. reservoir
- Quick-release bayonet bowl
- Prismatic lens liquid level indicator
- Supplied with GC620 gauge

### Specifications
- Pressure range: **5-150 PSI**
- Inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **150°F (66°C)**




** minimum clearance required to remove bowl

### Transparent Bowl

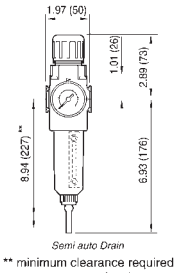
| Port Size | Flow (SCFM) | Semi-Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 1/4" | 80 | B72G-2AG | B72G-2MG |



with metal bowl

### Metal Bowl and Sight Glass

| Port Size | Flow (SCFM) | Semi-Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 1/4" | 80 | B72G-2AG-MB | B72G-2MG-MB |
| 3/8" | | B72G-3AG-MB | B72G-3MG-MB |




** minimum clearance required to remove bowl

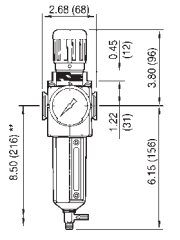
NOTE: SCFM ratings given at 150 PSIG inlet pressure

# Series 1 FRLs

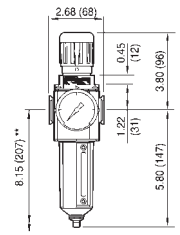
## B73-Series Compact Filters / Regulators

### Features

- Particle removal per ISO 8573-1, Class 5, and Class 3
- In-line or modular installation
- 40 micron element
- 3.5 oz. reservoir
- Quick-release bayonet bowl
- Prismatic lens liquid level indicator
- Supplied with GC230 gauge



1/4 Turn Manual Drain
** minimum clearance required to remove bowl



Automatic Drain
** minimum clearance required to remove bowl


with transparent bowl


with metal bowl

### Specifications

- Pressure range: **5-150 PSI**
- Inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**

#### Transparent Bowl

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 1/4" | 78 | B73G-2AG | B73G-2MG |
| 3/8" | 123 | B73G-3AG | B73G-3MG |
| 1/2" | 123 | B73G-4AG | B73G-4MG |

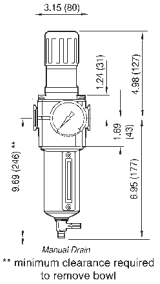
#### Metal Bowl and Sight Glass

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 1/4" | 78 | B73G-2AG-MB | B73G-2MG-MB |
| 3/8" | 123 | B73G-3AG-MB | B73G-3MG-MB |
| 1/2" | 123 | B73G-4AG-MB | B73G-4MG-MB |

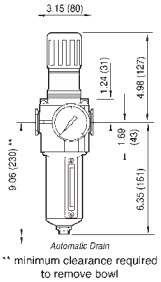
## B74-Series Standard Filters / Regulators

### Features

- 40 micron element
- 7 oz. reservoir
- Relieving type
- Supplied with GC230 gauge



Manual Drain
** minimum clearance required to remove bowl



Automatic Drain
** minimum clearance required to remove bowl


with guard


with metal bowl

### Specifications

- Pressure range: **5-150 PSI**
- Inlet pressure:
  - transparent bowl: **5-150 PSI** and **125°F (52°C)**
  - metal bowl: **5-250 PSI** and **175°F (79°C)**

#### Transparent Bowl and Guard

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 1/2" | 212 | B74G-4AG | B74G-4MG |
| 3/4" | 212 | B74G-6AG | B74G-6MG |

#### Metal Bowl and Sight Glass

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 3/8" | 163 | B74G-3AG-MB | B74G-3MG-MB |
| 1/2" | 212 | B74G-4AG-MB | B74G-4MG-MB |
| 3/4" | 212 | B74G-6AG-MB | B74G-6MG-MB |

NOTE: SCFM ratings given at 150 PSIG inlet pressure
FRLs are designed for air service only, unless otherwise indicated.

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## Series 1 FRLs

### B17-Series Filter / Regulator

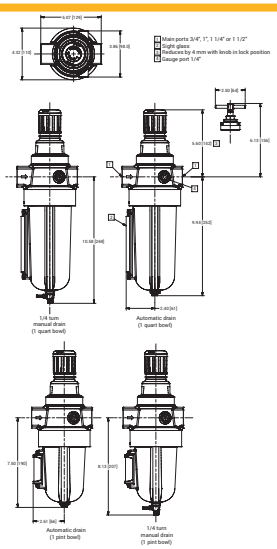



Automatic

**Features**
- 5 micron
- 1 qt. reservoir
- Supplied with gauge

**Specification**
- Adjusting pressure range **5-125 PSI**

| Port Size | Flow (SCFM) | Automatic Part # | Manual Part # |
|---|---|---|---|
| 1" | 650 | B17-08AGMB | B17-08MGMB |



### L72-Series Sub-Compact Micro-Fog Lubricators

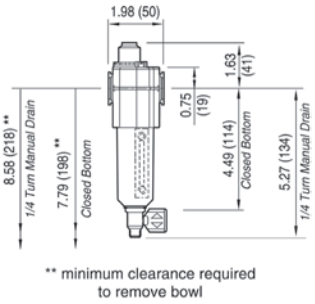
**Application**
- Micro-fog lubricators, identified by a red adjusting screw, are used for applications containing one or more points of lubrication, cylinders, and multiple or single tools
- Air flow through the lubricator lifts oil from the reservoir to the sight-feed dome; oil is dropped into the fog generator and atomized into a fine mist; lightweight particles are delivered downstream for lubrication; heavier particles fall back into the reservoir
- The micro-fog lubricator delivers 10% of the oil drops visible through the transparent sight-feed dome
- Micro-fog lubricators cannot be filled under pressure



with transparent bowl

**Features**
- 2 oz. reservoir
- In-line or modular installation
- Quick release bayonet bowl
- Micro-fog design delivers aerosol mist

**Specifications**
- Recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at **100°F (38°C)**
- Maximum operating conditions:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**




** minimum clearance required to remove bowl

| Port Size | Flow (SCFM) | Transparent Bowl Part # | Metal Bowl Part # |
|---|---|---|---|
| 1/4" | 51 | L72M-2 | L72M-2MB |

NOTE: SCFM ratings given at 90 PSIG inlet pressure.

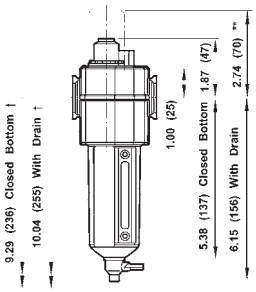
### L73-Series Compact Micro-Fog Lubricators



with transparent bowl

**Features**
- 4 oz. reservoir
- In-line or modular installation
- Quick release bayonet bowl
- Micro-fog design delivers aerosol mist

**Specifications**
- Recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at **100°F (38°C)**
- Maximum operating conditions:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**




| Port Size | Flow (SCFM) | Transparent Bowl Part # | Metal Bowl Part # |
|---|---|---|---|
| 1/4" | 70 | L73M-2 | L73M-2MB |
| 3/8" | 70 | L73M-3 | L73M-3MB |
| 1/2" | 70 | L73M-4 | L73M-4MB |

NOTE: SCFM ratings given at 90 PSIG inlet pressure

# Series 1 FRLs

## Applications

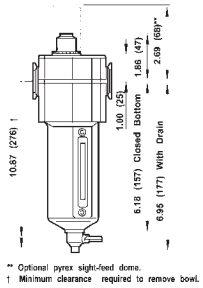
- Micro-fog lubricators, identified by a red adjusting screw, are used for applications containing one or more points of lubrication, cylinders, and multiple or single tools

## Features

- Air flow through the lubricator lifts oil from the reservoir to the sight-feed dome; oil is dropped into the fog generator and atomized into a fine mist; lightweight particles are delivered downstream for lubrication; heavier particles fall back into the reservoir
- The micro-fog lubricator delivers 10% of the oil drops visible through the transparent sight-feed dome
- Micro-fog lubricators cannot be filled under pressur



## L74-Series Standard Micro-Fog Lubricators




### Features

- 7 oz. reservoir
- In-line or modular installation
- Quick release bayonet bowl
- Micro-fog design delivers aerosol mist

### Specifications

- Recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at **100°F (38°C)**
- Maximum operating conditions:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**

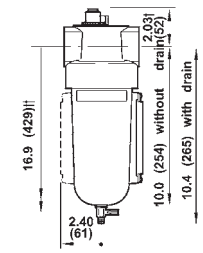
| Port Size | Flow (SCFM) | Transparent Bowl Part # | Metal Bowl Part # |
|---|---|---|---|
| 3/8" | 114 | L74M-3 | L74M-3MB |
| 1/2" | 154 | L74M-4 | L74M-4MB |
| 3/4" | 142 | L74M-6 | L74M-6MB |

NOTE: SCFM ratings given at 90 PSIG inlet pressure.



transparent bowl

## L17-Series Jumbo Micro-Fog Lubricators




1 quart US (1 liter) reservoir
1/4 turn drain

### Features

- 1 qt. reservoir
- Oil level sight gauge
- One turn threaded bowl attachment permits easy maintenance

### Specifications

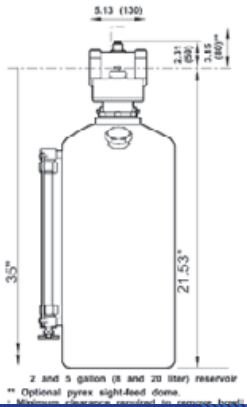
- Inlet pressure: **250 PSI**
- Maximum temperature: **175°F (79°C)**

| Port Size | Flow (SCFM) | Metal Bowl with Sight Glass Part # |
|---|---|---|
| 3/4" | 160 | L17-600A |
| 1" | 275 | L17-800A |
| 1-1/4" | 275 | L17-A00A |
| 1-1/2" | 275 | L17-B00A |

NOTE: SCFM ratings given at 90 PSIG inlet pressure.



## 10-076-Series Jumbo General Purpose Oil-Fog Lubricators




### Features

- 2 gallon reservoir
- Oil flow can be positively set
- Reservoir is ASME constructed
- Oil level sight gauge

### Specifications

- Inlet pressure: **250 PSI**
- Maximum temperature: **175°F (79³C)**

| Port Size | Flow (SCFM) | Metal Bowl with Sight Glass Part # |
|---|---|---|
| 2" | 1000 | 10-076-004 |

NOTE: SCFM ratings given at 100 PSIG inlet pressure.

See pages 333 to 338 for accessories.
See page 267 for air tool lubricant.

FRLs are designed for air service only unless



# Series 1 FRLs

## Micro-Fog Lubricator with Pyrex Sight Feed Dome

### Applications

- Designed for use with alcohol or other anti-freeze agents when units are installed in cold temperature environments
- Micro-fog lubricators are used for applications containing one or more points of lubrication, cylinders, and multiple or single tools
- Air flow through the lubricator lifts oil from the reservoir to the sight-feed dome; oil is dropped into the fog generator and atomized into a fine mist; lightweight particles are delivered downstream for lubrication; heavier particles fall back into the reservoir

### Features

- High-pressure sight feed dome with aluminum case and fluorocarbon O-rings and seals; high pressure sight glass on bowls and metal petcock drain
- The micro-fog lubricator delivers 10% of the oil drops visible through the transparent sight-feed dome
- Micro-fog lubricators cannot be filled under pressure



### L73-Series Compact

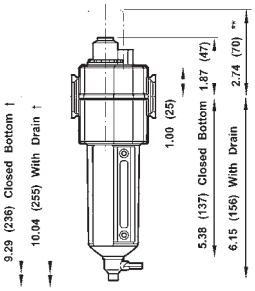


**Features**

- 4 oz. reservoir
- In-line or modular installation
- Quick release bayonet bowl
- Micro-fog design delivers aerosol mist

**Specifications**

- Recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at **100°F (37°C)**
- Inlet pressure: **250 PSI**
- Maximum temperature: **175°F (79°C)**




| Port Size | Flow (SCFM) | Metal Bowl with Sight Glass Part # |
|---|---|---|
| 3/8" | 60 | L73M-3MBPX |
| 1/2" | 60 | L73M-4MBPX |

### L74-Series Standard

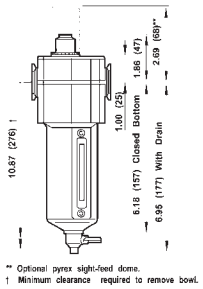


**Features**

- 7 oz. reservoir
- In-line or modular installation
- Quick release bayonet bowl
- Micro-fog design delivers aerosol mist

**Specifications**

- Recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at **100°F (37°C)**
- Inlet pressure: **250 PSI**
- Maximum temperature: **175°F (79°C)**




| Port Size | Flow (SCFM) | Metal Bowl with Sight Glass Part # |
|---|---|---|
| 3/8" | 114 | L74M-3MBPX |
| 1/2" | 154 | L74M-4MBPX |
| 3/4" | 142 | L74M-6MBPX |

### L17-Series Jumbo

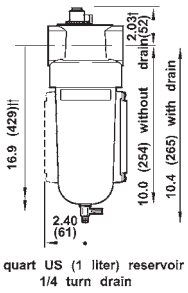


**Features**

- 1 qt. reservoir
- Oil level sight gauge
- Particle removal per ISO 8573-1, class 5 and class 3
- One turn threaded bowl attachment permits easy maintenance

**Specifications**

- Inlet pressure: **250 PSI**
- Maximum temperature: **175°F (79°C)**




| Port Size | Flow (SCFM) | Metal Bowl with Sight Glass Part # |
|---|---|---|
| 1" | 275 | L17-800APX |

NOTE: SCFM ratings given at 90 PSIG inlet pressure.

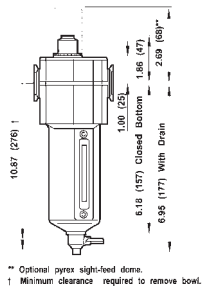
See pages 333 to 338 for accessories.

# Series 1 FRLs

## L74-Series Standard Oil-Fog Lubricators

### Application
- Oil-fog lubricators, identified by a green adjusting screw, are used for lubricating a single air tool or air motor and should be installed as near the device as possible

### Features
- All the oil visible dropping through the transparent sight-feed dome goes to the airstream
- L72C, L73C, and L74C OIL-FOG lubricators can be filled under pressure
- In-line or modular installation
- Quick-release bayonet bowl
- Can be filled under pressure
- 7 oz. reservoir





metal bowl

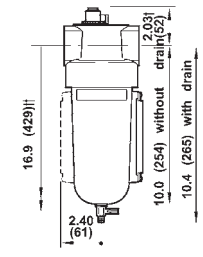
### Specifications
- Maximum operating conditions:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**
- Recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at **100°F (37°C)**

| Port Size | Flow (SCFM) | Transparent Bowl Part # | Metal Bowl Part # |
|---|---|---|---|
| 3/8" | 118 | L74C-3 | L74C-3MB |
| 1/2" | 192 | L74C-4 | L74C-4MB |
| 3/4" | 186 | L74C-6 | L74C-6MB |

## L17-Series Jumbo Oil-Fog Lubricators

### Application
- Oil-fog lubricators, identified by a green adjusting screw, are used for lubricating a single air tool or air motor and should be installed as close to the device as possible

### Features
- 1 qt. reservoir
- Oil level sight gauge
- All the oil visible dropping through the transparent sight-feed dome goes to the airstream
- One-turn threaded bowl attachment permits easy maintenance



1 quart US (1 liter) reservoir
1/4 turn drain


metal bowl

### Specifications
- Inlet pressure: **250 PSI**
- Maximum temperature: **175°F(79°C)**

| Port Size | Flow (SCFM) | Metal Bowl with Sight Glass Part # |
|---|---|---|
| 3/4" | 160 | L17-600D |
| 1" | 275 | L17-800D |
| 1-1/2" | 275 | L17-B00D |

NOTE: SCFM ratings given at 90 PSIG inlet pressure.
See pages 333 to 338 for accessories.
See page 267 for air tool lubricant.



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F

# Series 1 FRLs

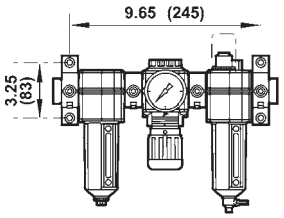
## E73-Series Compact Combination Units

**Features**
- 4 oz. reservoir
- Supplied with a G230 gauge
- Connected modularly
- Includes (2) clamps and wall mounting brackets # 4314-52, (2) clamps # 4314-51, and (2) NPT pipe adapters #4315-01.

**Specifications**
- **5-150 PSI** range
- Inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**



metal bowls




### Transparent Bowl

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 1/4" | 70 | E73-2A | E73-2M |
| 3/8" | 70 | E73-3A | E73-3M |
| 1/2" | 70 | E73-4A | E73-4M |

### Metal Bowl

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 3/8" | 70 | E73-3A-MB | E73-3M-MB |
| 1/2" | 70 | E73-4A-MB | E73-4M-MB |

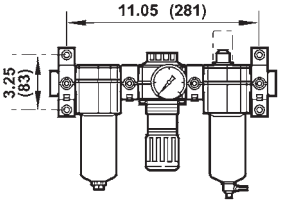
## E74-Series Standard Combination Units

**Features**
- 7 oz. reservoir
- Models supplied with a GC230 gauge
- Connected modularly
- Includes (2) clamps and wall mounting brackets # 4314-52, (2) clamps # 4314-51, and (2) NPT pipe adapters

**Specifications**
- Inlet pressure:
  - transparent bowl: **150 PSI** and **125°F (52°C)**
  - metal bowl: **250 PSI** and **175°F (79°C)**
- Pressure range: **5-150 PSI**



transparent bowl with guard




### Transparent Bowl and Guard

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 1/2" | 150 | E74-4A | E74-4M |
| 3/4" | 140 | E74-6A | E74-6M |

### Metal Bowl and Sight Glass

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 3/8" | 110 | E74-3A-MB | E74-3M-MB |
| 1/2" | 150 | E74-4A-MB | E74-4M-MB |
| 3/4" | 140 | E74-6A-MB | E74-6M-MB |

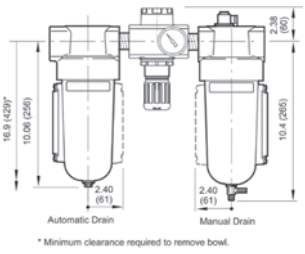
## P8A Jumbo Combination Units

**Features**
- 1 qt. reservoir

**Specifications**
- Pressure range: **5-125 PSI**
- Inlet pressure: **250 PSI**
- Maximum temperature: **175°F (79°C)**



with metal bowls

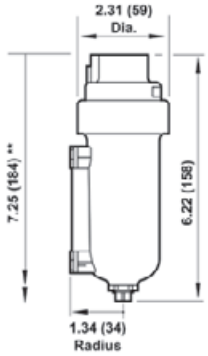



### Metal Bowl and Sight Glass

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 1" | 275 | P8A-860A | P8A-860M |

# Series 1 FRLs

## 17-016-Series Drip Leg Automatic Drain




** Minimum clearance to remove bowl.

### Application

- Used in compressed air systems to automatically expel liquids from piping systems, installed at low points in piping and at end of pipe network where water is likely to accumulate

### Features

- Metal bowl
- Drain is ported to 1/8" NPT

### Specifications

- Inlet pressure: 250 PSIG
- Maximum temperature: **175°F (79°C)**

| Port Size | Part # |
|---|---|
| 1/2" | 17-016-107 |



F

### Filter Elements

| Used On | Description | Part # |
|---|---|---|
| F07 | 5 micron | 3652-11 |
| F08 | 5 micron | 3161-16 |
| | 40 micron | 3161-18 |
| F17 | 5 micron bronze | 5311-01 |
| | 25 micron bronze | 5311-02 |
| | 40 micron bronze | 5311-03 |
| F18 | 5 micron bronze | 5882-11 |
| | 25 micron bronze | 5882-12 |
| | 50 micron bronze | 5882-13 |
| F72 | 5 micron | 5925-03 |
| | 40 micron | 5925-02 |
| F73 | 5 micron | 4438-01 |
| | 40 micron | 4438-03 |
| F74 | 5 micron | 4338-04 |
| | 40 micron | 4338-05 |



5 micron element
5925-03

### Filter Bowl / Bowl Guards

| Used On | Description | Part # |
|---|---|---|
| F07 | polycarbonate bowl with auto drain | 3646-51 |
| | polycarbonate bowl with manual drain | 3646-53 |
| F08 | transparent bowl with manual drain | 3776-50 |
| F17 | metal bowl with petcock drain | 5390-77 |
| F72 | transparent bowl with manual drain | 4266-50RF |
| | transparent bowl with semi-automatic drain | 4266-52RF |
| F73 | transparent bowl with manual drain, 1/4 turn | 4425-50RF |
| | transparent bowl with auto drain | 4425-51RF |
| F74 | plastic bowl assembly with guard and 1/4 turn manual drain | 4325-51R |
| | plastic bowl assembly with guard and automatic drain | 4325-52R |



transparent bowl and guard
4325-51R

# Series 1 FRLs Accessories

## Filter Drains



auto drain
3000-10

| Used On | Description | Part # |
|---|---|---|
| F17, F74 | auto drain | 3000-10 |
| | manual drain | 619-50 |
| | manual drain assembly | 2796-52 |
| F72, F73 | auto drain | 4000-51R |
| F72, F73 | manual drain | 619-50 |
| F74 | | |

## Filter Lens Kits



liquid level lens kit
4380-030

| Used On | Description | Part # |
|---|---|---|
| F72 | liquid level lens kit | 4380-020 |
| F73 | liquid level lens kit | 4380-030 |
| F74 | high pressure dome sight glass kit | 4380-051 |

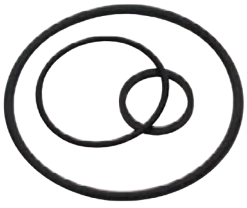
## Filter Indicator Conversion Kit



**Features**
- Allows addition of service life indicator in the field
- For general purpose and oil removal filters

| Used On | Description | Part # |
|---|---|---|
| F72, F73, F74 | service life indicator | 5797-50 |

## Filter Service Kit



4380-700

| Used On | Description | Part # |
|---|---|---|
| F17 | O-rings, seals, and gaskets | 5578-05 |
| F18 | | 5945-50 |
| F73 | | 4380-600 |
| F74 | | 4380-700 |



## Filter Oil / Vapor Removal Filters

| Used On | Description | Part # |
|---|---|---|
| F74C | oil removal filter | 4344-01 |
| F74H | oil removal filter | 4344-02 |
| F74V | vapor removal filter | 4341-01 |



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# Series 1 FRLs Accessories

## Regulator Springs

| Used On | Pressure Ratings | Part # |
|---|---|---|
| R74 | 5-60 PSI | 4332-01 |
| | 5-150 PSI | 4332-02 |



4432-02

## Tamper-Resistant Covers

**Features**

- Helps prevent unauthorized pressure adjustment setting
- Cover can be locked in place with up to four padlocks
- Installs on adjusting knob

| Used On | Description | Part # |
|---|---|---|
| R72 | tamper-resistant cover with seal wire | 4255-51 |
| R73 | | 4455-51 |
| R74 | | 4355-51 |



F

## Regulator Panel Nuts

| Used On | Description | Part # |
|---|---|---|
| R07 | plastic panel nut | 2962-89 |
| R08 | plastic panel nut | 5191-89 |
| R17 | metal panel nut | 5226-97 |
| R72 | plastic panel nut | 4248-89 |
| R73 | zinc panel nut | 5191-88 |
| R74 | zinc panel nut | 4348-89 |



4248-89

## Regulator Diaphragm Relieving Kits

| Used On | Description | Part # |
|---|---|---|
| R07 | diaphragm, relieving | 3407-02 |
| R08 | | 5298-14 |
| R11 | | 529-03 |
| R17 | | 5578-02 |
| R72 | | 4381-500 |
| R73 | | 4381-600 |
| R74 | | 4381-700 |



3407-02



4381-700

## Series 1 FRLs Accessories

### Lubricator Bowl / Bowl Guards



3646-54

| Used On | Description | Part # |
|---|---|---|
| L07 | polycarbonate bowl with manual drain | 3646-54 |
| L73 | transparent bowl with manual drain | 4425-50RL |
| L74 | metal bowl with liquid level indicator and 1/4 turn manual drain | 4303-77R |
| | transparent bowl with manual drain | 4325-50R |

F

### Seal Wire

**Feature**

- Provides tamper-resistant protection of the lubricator drip rate setting



seal wire

| Used On | Description | Part # |
|---|---|---|
| L73, L74 | metal wire | 2117-01 |

### Domes, Caps, and Plugs



18-011-021



5605-50

| Used On | Description | Part # |
|---|---|---|
| L08 | quick-fill cap | 18-011-024 |
| L17, L74 | quick-fill cap | 18-011-021 |
| L73, L74 | aluminum fill plug | 5301-55 |
| L17, L72, L73, L74 | sight feed dome (micro-fogging design) | 4055-50 |
| L72, L74 | sight feed dome (oil-fogging design) | 4055-51 |
| L74 | high pressure sight feed dome | 5605-50 |
| | liquid level indicator repair kit | 4380-050 |

### Lubricator Seal Kits



5771-02

| Used On | Description | Part # |
|---|---|---|
| L17 | O-rings, seals, and gaskets | 5771-02 |
| L73 | | 4382-600 |
| L74 | | 4382-700 |

# Series 1 FRLs

## Quick Clamps and Brackets

**Features**

**Quick-clamp**

- Provides modular installation capability
- Flanges designated to slide into V grooves in clamp
- Face-sealing O-rings provide a positive seal when clamp is closed and screw tightened

**Bracket for quick-clamp**

- Provides secure mounting to a wall, machine panel or other flat surface



quick-clamp



bracket



quick-clamp with bracket

| Used On Filter/ Regulator/ Lubricator Series | Description | Part # |
|---|---|---|
| L72 | quick-clamp | 4214-51 |
| F72 | quick-clamp service kit (2 O-rings) | 4384-570 |
| R72 | quick-clamp and bracket assembly | 4214-52 |
| F73, F74, R73, R74, L72, L73 | quick-clamp | 4314-51 |
| | quick-clamp service kit (2 O-rings) | 4384-770 |
| | wall bracket for quick-clamp (uses 7/32" screws) | 4313-50 |
| | quick-clamp and bracket assembly | 4314-52 |

F

## Blocks

**Features**

- Installed with quick-clamps
- Provides additional outlets and manifolding capability



porting block



manifold block

| Used On Filter/ Regulator/ Lubricator Series | Description | Part # |
|---|---|---|
| F73, F74, R73, R74, L73, L74 | porting block, three 1/4" PTF outlets | 4316-50 |
| | manifold block, three 3/4" PTF outlets | 4328-50 |

## Pipe Adapters

**Features**

- Installed with quick-clamps
- Provides PTF connections to system piping
- Sold individually



pipe adapters

| Used On Filter/ Regulator/ Lubricator Series | Description | Part # |
|---|---|---|
| L72, F72, R72 | 1/4" PTF connections | 4215-02 |
| | 3/8" PTF connections | 4215-03 |
| F73, F74, R73, R74, L73, L74 | 1/4" PTF connections | 4315-01 |
| | 3/8" PTF connections | 4315-02 |
| | 1/2" PTF connections | 4315-03 |
| | 3/4" PTF connections | 4315-04 |

NOTE: Used on filters / regulators / lubricator series

## Series 1 FRLs

### Mounting Brackets



mounting bracket
6212-50

| Used On | Description | Part # |
|---|---|---|
| F07 | mounting bracket only | 5939-06 |
| L07 | mounting bracket only | 5095-17 |
| F17, L17 | mounting bracket kit for 3/4" and 1" ported units | 6212-50 |



### Wall Mounting Brackets

**Features**

- Alternate to quick-clamps and pipe adapters
- Used to secure to a wall, machine panel, or other flat surface
- Use close nipples on page 928 to connect combination unit and then place in bracket.



4324-50

| Used On Filter/ Regulator/ Lubricator Series | Description | Part # |
|---|---|---|
| L72, F72, R72 | wall mounting bracket for all F72 series | 4224-50 |
| L73, F73, R72 | wall mounting bracket for all F73 series | 4424-50 |
| L74, F74, R74 | wall mounting bracket for all F74 series | 4324-50 |

### Regulator Mounting Brackets



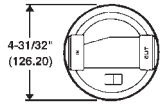
18-025-003

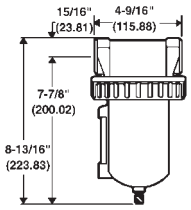


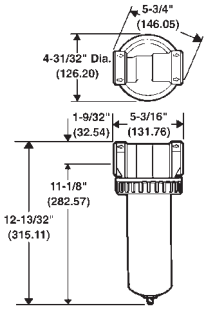
5203-06

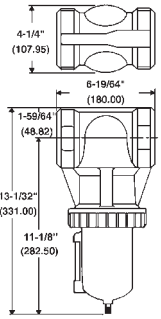
| Used On Filter/ Regulator/ Lubricator Series | Description | Part # |
|---|---|---|
| B07, R07 | mounting bracket with plastic panel nut | 18-025-003 |
| B08, R08 | | 5203-06 |
| R17 | | 5570-04 |

# Watts Filters




## F602-Series Hi-Flow

### Features
- 40 micron polypropylene element

### Specifications
- Automatic drain operating conditions:
  - temperature range: **40°F (4°C) to 120°F (49°C)**
  - maximum operating: 175 PSIG (12 bar)
- Manual drain operating conditions:
  - temperature range: **40°F (4°C) to 150°F (66°C)**
  - maximum operating: 250 PSIG (17 bar)

### Zinc Body with Sight Glass and 16" Bowl

| Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 3/4" | 270 | F602-06WJR | F602-06WJ |
| 1" | 300 | F602-08WJR | F602-08WJ |
| 1-1/2" | 450 | F602-12WJR | F602-12WJ |

### Aluminum Body with 26" Bowl

| Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 2" | 1200 | F602-16WJR | F602-16WJ |

NOTE: See pages 343 - 344 for accessories.
SCFM ratings given at 90 PSIG inlet pressure.
FRLs are designed for air service only, unless otherwise indicated. Obsolete once stock is depleted.







F

## Watts Regulators

### R643-Series Miniature

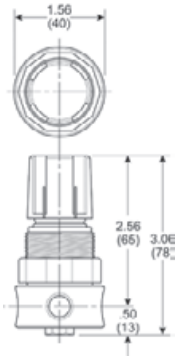


R374-02CG

R364-02C

**Features**
- Relieving type
- Diaphragm operated
- Non-rising adjusting knob
- 1/8" gauge port

**Specifications**
- Pressure range 2 - 125 PSIG (.15 - 8.5 bar)
- Inlet pressure: 300 PSIG (20.4 bar) maximum
- Temperature range: **40°F (4°C) to 120°F (49°C)**



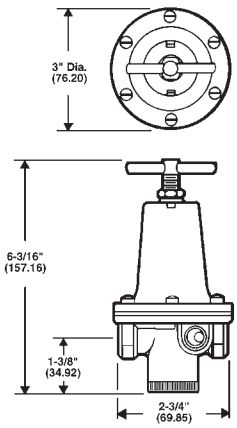

| Size | Flow (SCFM) | Body Material | With Gauge Part # | Without Gauge Part # |
|---|---|---|---|---|
| 1/4" | 10 | brass | R364-02CG | R364-02C |
| | | aluminum | R374-02CG | R374-02C |

NOTE: SCFM ratings given at 100 PSIG inlet pressure.

NOTE: See pages 343 - 344 for accessories.
FRLs are designed for air service only, unless otherwise indicated.
SCFM ratings given at 100 PSIG inlet pressure.

# Watts Regulators

## R119-Series Standard




### Features
- Zinc body
- Relieving type
- Diaphragm operated
- Spring adjustment mechanism
- T-handle design
- Brass bottom plug
- Aluminum spring cage
- Uses a GC230 gauge

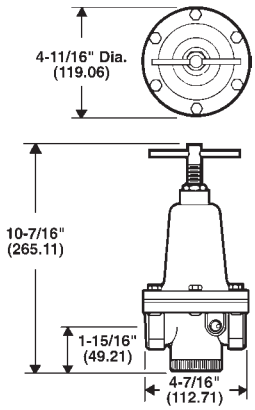


### Specifications
- Pressure range 2 - 125 PSIG (.15 - 8.5 bar)
- Inlet pressure: 300 PSIG (20.4 bar) maximum
- Temperature range: **40°F (4°C) to 120°F (49°C)**

| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|---|---|---|---|
| 1/4" | 100 | R119-02CG | R119-02C |
| 3/8" | 110 | R119-03CG | R119-03C |
| 1/2" | 150 | R119-04CG | R119-04C |

NOTE: SCFM ratings given at 100 PSIG inlet pressure.

## R119-Series High-Flow




### Features
- Zinc body
- Relieving type
- Diaphragm operated
- Spring adjustment mechanism
- T-handle design
- Acetal bottom plug
- Aluminum spring cage
- Uses a GC230 gauge



### Specifications
- Pressure range 2 - 125 PSIG (.15 - 8.5 bar)
- Inlet pressure: 300 PSIG (20.4 bar) maximum
- Temperature range: **40°F (4°C)** to **120°F (49°C)**

| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|---|---|---|---|
| 3/4" | 300 | R119-06CG | R119-06C |
| 1" | 400 | R119-08CG | R119-08C |
| 1-1/2" | 500 | R119-12CG | R119-12C |

NOTE: See pages 343 - 344 for accessories.
SCFM ratings given at 100 PSIG inlet pressure.
FRLs are designed for air service only, unless otherwise indicated. ⚠



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## Watts Lubricators

### L606-Series Standard



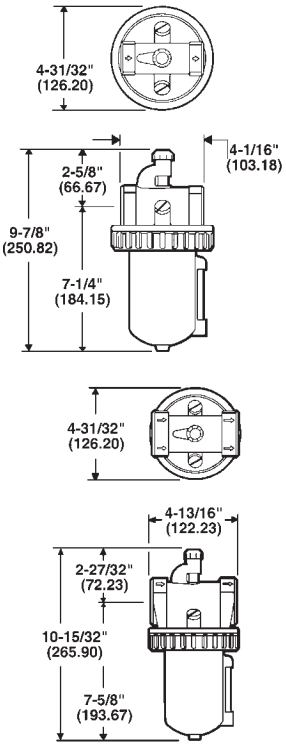


L606-12W

**Features**
- 16 oz. bowl
- Zinc body
- 3/4", 1", and 1-1/2" are fillable while under pressure

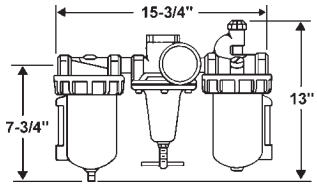
**Specifications**
- Maximum operating conditions:
  - temperature range: **40°F (4°C) to 150°F (66°C)**
  - maximum operating pressure: 250 PSIG (17 bar)

| Size | Flow (SCFM) | Zinc Bowl with Sight Glass Part # |
|---|---|---|
| 3/4" | 325 | L606-06W |
| 1" | 350 | L606-08W |
| 1-1/2" | 400 | L606-12W |




NOTE: See pages 343 - 344 for accessories.
See page 267 for air tool lubricant.
FRLs are designed for air service only, unless otherwise indicated.

## Watts Combination Units




### C119-Series Standard

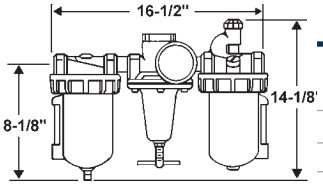


**Features**

- 16 oz. bowl
- 40 micron polypropylene element
- Zinc body

**Specifications**

- Maximum operating conditions:
  - temperature range: **40°F** to **150°F (4°C** to **66°C)**
  - maximum operating pressure: 250 PSIG (17 bar)




### Zinc Bowl with Sight Glass

| Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|
| 3/4" | 275 | C119-06AMB | C119-06MMB |
| 1" | 320 | C119-08AMB | C119-08MMB |
| 1-1/2" | 550 | C119-12AMB | C119-12MMB |



NOTE: FRLs are designed for air service only, unless otherwise indicated. SCFM ratings given at 90 PSIG inlet pressure.

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## Watts Kits & Accessories

### Filter Elements

| Used On | Description | Part # |
|---|---|---|
| F602-06 | 5 micron | EK602VB |
| F602-08 | | |
| F602-12 | | |
| F602-06 | 40 micron | EK602B |
| F602-08 | | |
| F602-12 | | |
| F602-16 | | |



EK602G

### Filter Drains

| Used On | Description | Part # |
|---|---|---|
| F602, F602-03, F602-04 | auto float drain | PS506 |



PS506

# Watts Kits & Accessories

## Regulator Repair Kits



RK119B

| Used On | Description | Part # |
|---|---|---|
| R119-02 | relieving diaphragm, valve assembly | RK119Y |
| R119-03 | | |
| R119-04 | | RK119A |
| R119-06 | | RK119B |
| R119-08 | | |
| R119-12 | | RK119D |
| R364-02 | | RKR164Y |
| R374-02 | | |



## Lubricant Repair Kit



| Used On | Description | Part # |
|---|---|---|
| L606-06 | sight glass | RKB605WB |
| L606-08 | | |
| L606-12 | | |

## Lubricator Mounting Brackets



SA200AW57

| Used On | Description | Part # |
|---|---|---|
| L606-02, F602-02, L606-03, F602-03, L606-04, F602-04 | mounting bracket | PS743 |
| L606-06, F602-06 | mounting bracket (2 required) | SA200AW57 |
| L606-08, F602-08 | mounting bracket (2 required) | SA200CW57 |

## Regulator Mounting Brackets



SAR10Y57



SA15Y57

| Used On | Description | Part # |
|---|---|---|
| R11, B11 | mounting bracket with panel nut | SAR10Y57 |
| R119-02 | mounting bracket | SA15Y57 |
| R119-03 | | |
| R119-04 | mounting bracket | 18A57 |
| R119-06 | mounting bracket | 18B57 |
| R119-08 | | |
| R119-12 | | |
| R364-02 | mounting bracket with panel nut | SA161X57 |
| R374-02 | | |

# Dixon® Gauges

### Application

- All of the gauges supplied by Dixon are designed for long, reliable service under rugged conditions. Typical applications include those on pumps, hydraulic and pneumatic systems, compressors, machine tools, and many other installations where it is necessary to have a gauge with a non-corrosive movement. The gauges available include standard dry and liquid-filled pressure gauges, compound pressure gauges, vacuum gauges, and welding gauges. Materials available include brass, stainless steel, and plastic

**Figure Interval** - Figure Interval (Increments between **PSI** numbers on gauge face)
**Gradient Interval** - Graduation Interval (Fractional increments between PSI numbers on gauge face)

## ABS Standard Dry Gauges

### Features

- ASME B40.1, Grade B (± 3-2-3% accuracy)
- PowerFlex™ movement with polyester segment, designed to resist the effects of shock, vibration and pulsation

### Materials

- ABS plastic case, corrosion resistant
- Polycarbonate window
- Black aluminum pointer

### Specifications

- C-shaped bronze safety bourdon tube (**600 PSI** and lower)
- Helical wound bronze safety bourdon tube (**1000 PSI** and higher)
- Ambient temperature range: **-40°F** to **150°F (-40°C** to **66°C)**

## Center Back Mounts

| PSI Range | Figure Interval | Minor Gradient | 1-1/2" Face 1/8" Center Back Mount Part # | 2" Face 1/4" Center Back Mount Part # |
|---|---|---|---|---|
| **0-15** | 1 | .5 | --- | GC200 |
| **0-30** | 5 | .5 | GC605 | GC215 |
| **0-60** | 5 | 1 | GC610 | GC220 |
| **0-100** | 10 | 2 | GC615 | GC225 |
| **0-160** | 20 | 5 | GC620 | GC230 |
| **0-200** | 20 | 5 | GC625 | GC235 |
| **0-300** | 30 | 5 | --- | GC240 |



GC230

## Lower Mounts

| PSI Range | Figure Interval | Minor Gradient | 2" face, 1/4" lower mount Part # | 2-1/2" face 1/4" lower mount Part # | 3-1/2" face 1/4" lower mount Part # |
|---|---|---|---|---|---|
| **0-15** | 1 | .5 | GL100 | GL300 | GS15-4 |
| **0-30** | 5 | .5 | GL115 | GL320 | GS30-4 |
| **0-60** | 5 | 1 | GL120 | GL325 | GS60-4 |
| **0-100** | 10 | 2 | GL125 | GL330 | GS100-4 |
| **0-160** | 20 | 5 | GL130 | GL335 | GS160-4 |
| **0-200** | 20 | 5 | GL135 | GL340 | GS200-4 |
| **0-300** | 30 | 5 | GL140 | GL345 | GS300-4 |
| **0-400** | 50 | 10 | --- | GL347 | GS400-4 |
| **0-600** | 50 | 10 | --- | GL350 | GS600-4 |
| **0-1000** | 200 | 20 | --- | GL355 | GS1000-4 |
| **0-1500** | 300 | 50 | --- | GL360 | --- |
| **0-2000** | 400 | 50 | --- | GL365 | --- |
| **0-3000** | 500 | 100 | --- | GL370 | --- |



GL140

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## Stainless Steel Dry Gauges

### Application
- Designed for severe service applications, providing the corrosion resistance and durability of a permanently sealed gauge

### Feature
- ± 2-1-2% accuracy

### Materials
- 304 stainless steel case and crimp ring
- Polycarbonate window
- 1/4" NPT lower mount stainless connector
- 316 stainless bourdon tube and socket



GSS100

### Specification
- Ambient temperature range: **-40°F** to **140°F (-40°C** to **60°C)**

| PSI Range | Figure Interval | Minor Gradient | 2-1/2" Face 1/4" Lower Mount Part # |
|---|---|---|---|
| **0-15** | 3 | .2 | GSS15 |
| **0-30** | 5 | .5 | GSS30 |
| **0-60** | 10 | 1 | GSS60 |
| **0-100** | 20 | 2 | GSS100 |
| **0-160** | 20 | 2 | GSS160 |
| **0-200** | 50 | 5 | GSS200 |
| **0-300** | 50 | 5 | GSS300 |
| **0-400** | 100 | 10 | GSS400 |
| **0-600** | 100 | 10 | GSS600 |
| **0-1000** | 200 | 20 | GSS1000 |
| **0-1500** | 300 | 20 | GSS1500 |
| **0-2000** | 500 | 50 | GSS2000 |
| **0-3000** | 500 | 50 | GSS3000 |
| **0-5000** | 1000 | 100 | GSS5000 |
| **0-10000** | 2000 | 200 | GSS10000 |

### Feature
- 1.6% accuracy, exceeds ASME B.40.100 Grade B

### Materials
- 304 series stainless case
- Polycarbonate window, 3-1/2" across
- 1/4" NPT lower mount stainless connector
- 316L stainless bourdon tube and socket, polyester segment




GSS160-4

### Specification
- Temperature range: **-40°F** to **140°F (-40°C** to **60°C)**

| PSI Range | Figure Interval | Minor Gradient | 4" Face 1/4" Lower Mount Part # |
|---|---|---|---|
| **0-15** | 3 | .5 | GSS15-4 |
| **0-30** | 5 | .5 | GSS30-4 |
| **0-60** | 10 | 1 | GSS60-4 |
| **0-100** | 20 | 2 | GSS100-4 |
| **0-160** | 20 | 2 | GSS160-4 |
| **0-200** | 40 | 5 | GSS200-4 |
| **0-300** | 50 | 5 | GSS300-4 |
| **0-400** | 50 | 10 | GSS400-4 |
| **0-600** | 100 | 10 | GSS600-4 |
| **0-1000** | 200 | 10 | GSS1000-4 |
| **0-1500** | 200 | 20 | GSS1500-4 |
| **0-3000** | 500 | 50 | GSS3000-4 |
| **0-5000** | 1000 | 100 | GSS5000-4 |

## Brass Standard Dry Gauges

### Features
- ASME B40.100 Grade B (± 3/2/3% accuracy)
- Dual **PSI** / **kPa** scale dial

### Materials
- Polished brass case and ring
- Copper alloy bourdon tube

### Specification
- Temperature range **-40°F** to **140°F (-40°C** to **60°C)**



| PSI Range | Figure Interval | Minor Gradient | 2-1/2" Face 1/4" Lower Mount Part # |
|---|---|---|---|
| **0-15** | 3 | .2 | GBR15 |
| **0-30** | 5 | .5 | GBR30 |
| **0-60** | 10 | 1 | GBR60 |
| **0-100** | 20 | 2 | GBR100 |
| **0-160** | 20 | 2 | GBR160 |
| **0-200** | 50 | 5 | GBR200 |
| **0-300** | 50 | 5 | GBR300 |
| **0-400** | 100 | 10 | GBR400 |
| **0-600** | 100 | 10 | GBR600 |
| **0-1000** | 200 | 20 | GBR1000 |
| **0-1500** | 300 | 20 | GBR1500 |
| **0-2000** | 500 | 50 | GBR2000 |
| **0-3000** | 500 | 50 | GBR3000 |
| **0-5000** | 1000 | 100 | GBR5000 |

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## Process Gauges

### Application
- Specifically designed for process, chemical, and petroleum industries, process gauges are engineered to deliver years of accurate service while withstanding vibration, corrosive media, and corrosive atmosphere

### Features
- Accuracy: ± 0.5% ANSI/ASME Grade 2A
- Scale: single scale **PSI** only

### Materials
- Case: black impact resistant thermoplastic, with safety blowout back, solid front, integral back flange (dry)
- Ring: ethylene propylene
- Wetted parts: 316L stainless steel
- Window: polycarbonate
- Dial: white aluminum
- Pointer: black aluminum



### Specification
- Temperature range: dry **-40°F** to **200°F (-40°C to 93°C)**

| PSI Range | Figure Interval | Minor Gradient | 4-1/2" Face 1/2" Lower Mount Part # |
|---|---|---|---|
| **0-30** | 5 | .2 | PGS30 |
| **0-60** | 10 | .5 | PGS60 |
| **0-100** | 10 | 1 | PGS100 |
| **0-160** | 20 | 1 | PGS160 |
| **0-200** | 20 | 2 | PGS200 |
| **0-300** | 50 | 2 | PGS300 |
| **0-600** | 10 | 5 | PGS600 |

# FlutterGuard™ Dry Gauges



## Features

- FlutterGuard™ virtually eliminates pointer flutter, making the gauge easier to read and reducing excessive movement wear, liquid-free casing results in lighter weight and eliminates the chance of gauge leakage
- ASME B40.1, Grade B (± 3-2-3% accuracy)
- PowerFlex™ movement with polyester segment, designed to resist the effects of shock, vibration, and pulsation

## Materials

- Polycarbonate window
- Black aluminum pointer
- ABS plastic case, corrosion resistant

## Specifications

- Ambient temperature range of **-40°F** to **150°F (-40°C** to **66°C)**
- C-shaped bronze safety bourdon tube (**600 PSI** gauges and lower)
- Helical wound bronze safety bourdon tube (**1,000 PSI** gauges and higher)




| PSI Range | Figure Interval | Minor Gradient | 2-1/2" Face 1/4" Lower Mount Part # |
|---|---|---|---|
| **0-15** | 1 | .5 | GL300FG |
| **0-30** | 5 | .5 | GL320FG |
| **0-60** | 5 | 1 | GL325FG |
| **0-100** | 10 | 2 | GL330FG |
| **0-160** | 20 | 5 | GL335FG |
| **0-200** | 20 | 5 | GL340FG |
| **0-300** | 30 | 5 | GL345FG |
| **0-400** | 50 | 10 | GL347FG |
| **0-600** | 50 | 10 | GL350FG |
| **0-1000** | 200 | 20 | GL355FG |
| **0-1500** | 300 | 50 | GL360FG |
| **0-2000** | 400 | 50 | GL365FG |
| **0-3000** | 500 | 100 | GL370FG |
| **0-5000** | 1000 | 100 | GL375FG |

## Stainless Panel Builder Gauges

### Applications
- Fits industry standard 2.56" panel hole cutout
- Suitable for corrosive environments
- Used in gaseous and liquid media

### Feature
- ASME B40.100 Grade A ± 2-1-2% full scale accuracy

### Materials
- 316L stainless steel wetted parts
- 304 stainless steel case and ring
- White aluminum with black lettering; stop pin
- Black aluminum pointer
- Glycerin filled case
- Laminated safety glass window lens





### Specifications
- Ambient temperature range: **-4°F** to **140°F (-20°C** to **60°C)**
- Maximum media temperature **212°F** maximum

| PSI Range | Figure Interval | Minor Gradient | 2-1/2" Face 1/4" Lower Back Mount Part # |
|---|---|---|---|
| **0-15** | 3 | .2 | PBLSS15 |
| **0-30** | 5 | .5 | PBLSS30 |
| **0-60** | 10 | 1 | PBLSS60 |
| **0-100** | 20 | 2 | PBLSS100 |
| **0-160** | 20 | 2 | PBLSS160 |
| **0-200** | 50 | 5 | PBLSS200 |
| **0-300** | 50 | 5 | PBLSS300 |
| **0-400** | 100 | 10 | PBLSS400 |
| **0-600** | 100 | 10 | PBLSS600 |
| **0-800** | 200 | 20 | PBLSS800 |
| **0-1000** | 200 | 20 | PBLSS1000 |
| **0-1500** | 300 | 20 | PBLSS1500 |
| **0-2000** | 500 | 50 | PBLSS2000 |
| **0-3000** | 500 | 50 | PBLSS3000 |
| **0-5000** | 1000 | 100 | PBLSS5000 |

## Contractor Pressure Gauges

### Feature
- Accuracy class: ± 1% of span

### Materials
- Wetted parts: copper alloy
- Window: acrylic, snap in
- Dial: aluminum, white
- Pointer: aluminum, black, adjustable
- Mounting flanged/bracket; rear flange: stainless steel
- Case: stainless steel



| PSI Range | 4-1/2" face, 1/4" Lower Mount Part # |
|---|---|
| **0-15** | 4277750-0001 |
| **0-30** | 4277768-0001 |
| **0-60** | 4277776-0003 |

## Compound Gauges



**Feature**
- ASME B40.1, Grade B accuracy (± 3-2-3 % accuracy)

**Materials**
- ABS plastic case, corrosion resistant
- Bronze bourdon tube / brass socket
- Polycarbonate window
- Black aluminum pointer
- Powerflex movement with polyester segment, designed for extended wear

**Specification**
- Temperature range of **-40°F** to **150°F (-40°C** to **66°C)**

| Mercury (Hg) | PSI Range | Figure Interval (Hg / PSI) | Minor Gradient (Hg / PSI) | 2-1/2" Face 1/4" Center Back Mount Part # | 2-1/2" Face 1/4" Lower Mount Part # |
|---|---|---|---|---|---|
| 30" | **0-100** | **30 / 10** | **5 / 2** | --- | GL310 |
| | **0-160** | **30 / 20** | **5 / 5** | GC210 | --- |
| | **0-160** | **30 / 20** | **10 / 10** | --- | GL110 |
| | **0-200** | **30 / 20** | **10 / 10** | --- | GL315 |

## Vacuum Gauges



**Features**
- ASME B40.1, Grade B accuracy (± 3-2-3 % accuracy)

**Materials**
- ABS plastic case
- Bronze bourdon tube
- Polycarbonate crystal
- Black aluminum pointer
- Powerflex movement with polyester segment, designed for extended wear

**Specification**
- Temperature range: **-40°F** to **150°F (-40°C** to **66°C)**

| Mercury (Hg) | Figure Interval (Hg / PSI) | Minor Gradient (Hg / PSI) | 2" Face 1/4" Lower Mount Part # | 2" Face 1/4" Center Back Mount Part # | 2-1/2" Face 1/4" Lower Mount Part # |
|---|---|---|---|---|---|
| 30" | **5"** | **.5"** | GL105 | GC205 | GL305 |

## ABS Case Liquid Filled Gauges

**Feature**
- ASME B40.100, Grade B (± 3-2-3% accuracy)

| PSI Range | Figure Interval | Minor Gradient | 2-1/2" Face 1/4" Lower Mount Part # |
|---|---|---|---|
| **0-15** | 3 | .2 | GLP500 |
| **0-30** | 5 | .5 | GLP505 |
| **0-60** | 10 | 1 | GLP510 |
| **0-100** | 20 | 2 | GLP515 |
| **0-160** | 20 | 2 | GLP517 |
| **0-200** | 50 | 5 | GLP520 |
| **0-300** | 50 | 5 | GLP525 |
| **0-400** | 100 | 10 | GLP527 |
| **0-600** | 100 | 10 | GLP530 |
| **0-1000** | 200 | 20 | GLP535 |
| **0-1500** | 300 | 20 | GLP540 |
| **0-2000** | 500 | 50 | GLP545 |
| **0-3000** | 500 | 50 | GLP550 |
| **0-5000** | 1000 | 100 | GLP555 |




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## Stainless Case Liquid Filled Gauges

**Features**
- PowerFlex™ movement with polyester segment designed to resist the effects of shock, vibration, and pulsation
- ASME B40.100, Grade A (± 2-1-2% accuracy)
- 1/4" NPT brass connection

**Materials**
- Copper alloy bourdon tube
- White aluminum dial with black numbers and black aluminum pointer
- Glycerin filled
- Polycarbonate window




GLSC420

**Specification**
- Temperature range: **-4°F** to **150°F** **(-20°C** to **65°C)**

| PSI Range | Figure Interval | Minor Gradient | 2-1/2" Face 1/4" Center Back Mount Part # | 2-1/2" Face, 1/8" Lower Mount Part # |
|---|---|---|---|---|
| **0-15** | 3 | .5 | GLSC400 | GLS400 |
| **0-30** | 5 | .5 | GLSC405 | GLS405 |
| **0-60** | 10 | 1 | GLSC410 | GLS410 |
| **0-100** | 20 | 2 | GLSC415 | GLS415 |
| **0-160** | 20 | 2 | GLSC417 | GLS417 |
| **0-200** | 40 | 5 | GLSC420 | GLS420 |
| **0-300** | 50 | 5 | GLSC425 | GLS425 |
| **0-400** | 50 | 5 | GLSC427 | GLS427 |
| **0-600** | 100 | 10 | GLSC430 | GLS430 |
| **0-1000** | 200 | 10 | GLSC435 | GLS435 |
| **0-1500** | 300 | 50 | GLSC440 | GLS440 |
| **0-2000** | 400 | 20 | GLSC445 | GLS445 |
| **0-3000** | 500 | 50 | GLSC450 | GLS450 |
| **0-5000** | 1000 | 100 | GLSC455 | GLS455 |




GLS430

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## Stainless Steel Liquid Filled Gauges



GLSS1500

### Application
- Designed for severe service applications, providing the corrosion resistance and durability of a permanently sealed gauge

### Features
- ± 2-1-2% accuracy
- 1/4" NPT lower mount stainless connector

### Materials
- Polycarbonate window
- 304 stainless case and crimp ring
- Glycerin filled

### Specification
- Ambient temperature range: **-4°F** to **140°F (-20°C** to **60°C)**

| PSI Range | Figure Interval | Minor Gradient | 2-1/2" Face 1/4" Lower Mount Part # |
|---|---|---|---|
| **0-15** | 3 | .2 | GLSS15 |
| **0-30** | 5 | .5 | GLSS30 |
| **0-60** | 10 | 1 | GLSS60 |
| **0-100** | 20 | 2 | GLSS100 |
| **0-160** | 20 | 2 | GLSS160 |
| **0-200** | 50 | 5 | GLSS200 |
| **0-300** | 50 | 5 | GLSS300 |
| **0-400** | 100 | 10 | GLSS400 |
| **0-600** | 100 | 10 | GLSS600 |
| **0-1000** | 200 | 20 | GLSS1000 |
| **0-1500** | 300 | 20 | GLSS1500 |
| **0-2000** | 500 | 50 | GLSS2000 |
| **0-3000** | 500 | 50 | GLSS3000 |
| **0-5000** | 1000 | 100 | GLSS5000 |
| **0-10000** | 2000 | 200 | GLSS10000 |

## All Stainless Steel Liquid Filled Gauges



### Application
- Designed for severe service applications, providing the corrosion resistance and durability of a permanently sealed gauge

### Features
- ± 2-1-2% accuracy
- 1/4" NPT center back mount stainless connector

### Materials
- Polycarbonate window
- 304 stainless case and crimp ring
- Glycerin filled

### Specification
- Ambient temperature range: **-4°F** to **140°F (-20°C** to **60°C)**

| PSI Range | Figure Interval | Minor Gradient | 2-1/2" Face 1/4" Center Back Mount Part # |
|---|---|---|---|
| **0-100** | 20 | 2 | GLSSC100 |
| **0-160** | 20 | 2 | GLSSC160 |
| **0-200** | 50 | 5 | GLSSC200 |

## Brass Liquid Filled Gauges

### Features
- ± 2-1-2% accuracy on 2-1/2"; ±1% accuracy on 4"
- Brass movement with highly polished bearing surfaces

### Materials
- Acrylic window with membrane assembly
- Copper alloy bourdon tube
- Glycerin filled
- 2-1/2" face gauges: solid cast brass case with polished ABS cover ring
- 4" face gauges: cast brass, silver painted case with chrome plated brass cover ring




F

### Specification
- Ambient temperature range: **-4°F** to **140°F (-20°C** to **60°C)**

| PSI Range | Figure Interval | Minor Gradient | 2-1/2" Face 1/4" Lower Mount Part # | 2-1/2" Face 1/4" Center Back Mount Part # | 4" Face 1/2" Lower Mount Part # |
|---|---|---|---|---|---|
| **0-15** | 3 | .2 | GLBR15 | GLBRC15 | GLBR15-4 |
| **0-30** | 5 | .5 | GLBR30 | GLBRC30 | GLBR30-4 |
| **0-60** | 10 | 1 | GLBR60 | GLBRC60 | GLBR60-4 |
| **0-100** | 10 | 1 | GLBR100 | GLBRC100 | GLBR100-4 |
| **0-160** | 20 | 2 | GLBR160 | GLBRC160 | GLBR160-4 |
| **0-200** | 20 | 2 | GLBR200 | GLBRC200 | GLBR200-4 |
| **0-300** | 50 | 5 | GLBR300 | GLBRC300 | GLBR300-4 |
| **0-400** | 50 | 5 | GLBR400 | GLBRC400 | GLBR400-4 |
| **0-600** | 100 | 10 | GLBR600 | GLBRC600 | GLBR600-4 |
| **0-1000** | 100 | 10 | GLBR1000 | GLBRC1000 | GLBR1000-4 |
| **0-1500** | 300 | 20 | GLBR1500 | GLBRC1500 | GLBR1500-4 |
| **0-2000** | 200 | 20 | GLBR2000 | GLBRC2000 | GLBR2000-4 |
| **0-3000** | 500 | 50 | GLBR3000 | GLBRC3000 | GLBR3000-4 |
| **0-5000** | 500 | 50 | GLBR5000 | GLBRC5000 | GLBR5000-4 |
| **0-10000** | 1000 | 100 | --- | --- | GLBR100004 |

## Welding Gauges

### Features
- ± 3-2-3% accuracy according to ASME B40.100 Grade B
- "USE NO OIL" written in red on face

### Materials
- Polished drawn stainless steel case
- Twist-lock polycarbonate window
- Copper alloy bourdon tube




### Specification
- Ambient temperature range: **-40°F** to **140°F (-20°C** to **60°C)**

| PSI Range | Figure Interval | Minor Gradient | 2-1/2" Face 1/4" Lower Mount Part # |
|---|---|---|---|
| **0-30** | 5 | .5 | GBRW30 |
| **0-30** | 5 | .5 | GBRW30R [1] |
| **0-60** | 10 | 1 | GBRW60 |
| **0-100** | 20 | 2 | GBRW100 |
| **0-200** | 50 | 5 | GBRW200 |
| **0-400** | 100 | 10 | GBRW400 |
| **0-600** | 100 | 10 | GBRW600 |
| **0-4000** | 500 | 100 | GBRW4000 |

## General Purpose Digital Gauges




### Applications
- General purpose digital gauges are suitable for dry air applications and other media; gauge offers selectable units of measure so rather than purchasing one gauge for each unit of measure required; one gauge can be used for multiple units of measure
- Ideal for test applications and for use in technicians' tool kits

### Features
- 0.5% terminal point accuracy
- Five-digit LCD display with large size .48" characters
- Bar graph display (20 segment)
- Nine engineering units (accessed through keypad): **PSI**, in. HG, cm Hg, mm Hg, KPA, Mpa, BAR, KG/cm2, ft H20
- IP67 weatherproof enclosure, polycarbonate / ABS
- Two AA alkaline batteries included
- 2,000 hour minimum battery life

### Material
- Wetted parts: 17-4 PH stainless steel sensor with 316L stainless steel socket

### Specifications
- Operating temperature: **-4°F** to **140°F (-20°C** to **60°C)**
- Polycarbonate window
- Other pressure and compound ranges available

| PSI Range | 2-1/2" Face<br>1/4" Lower Mount<br>Part # |
|---|---|
| **0-100** | DG100 |
| **0-300** | DG300 |
| **0-1000** | DG1000 |
| **0-10,000** | DG10000 |

## 180° Steam Gauge Siphons

### Application
- In steam service, the siphon will prevent hot steam from entering a pressure gauge, diaphragm seal or transmitter; recommended for applications involving temperatures above **100°F (37°C)**; also use siphons whenever condensing hot vapors (not just steam) are present

### Features
- Red brass pipe
- Complies with ASTM B-43



### Specification
- Pressure rating: **200 PSI** at **406°F (208°C)**

| Male IPS | Red Brass<br>Part # |
|---|---|
| 1/4" | 401-01 |



### Features
- Steel pipe
- 1/4" NPT schedule 40 steel, welded

### Specification
- Pressure rating: **175 PSI** at **340°F (171°C)**

| Male IPS | Steel<br>Part # |
|---|---|
| 1/4" | 401-01S |

# Bi-Metal Thermometers

**Features**

- Case: sturdy, corrosion-resistant series 304 stainless steel
- Bezel crystal: optically clear, strong glass, gasketed to maintain weather-tight integrity is standard
- Stem: 304 series stainless steel, welded at tip and case connector to prevent leakage, 1/4" (6.35 mm) diameter
- ASME B40.200 compliant
- Slotted-hex adjustment head offers screwdriver or wrench use to field calibrate the thermometer
- Bi-metal element: an extremely responsive temperature sensing helix which has been carefully sized and tested, heat treated and aged to relieve inherent stresses and insure continued accuracy
- Dampening: bi-metal helix is coated with a viscous silicone to minimize pointer oscillation and to improve temperature transmission
- Immersion: for accurate temperature readings, immerse stem a minimum of 2" (50 mm) in agitated liquids or 4" (100 mm) in moving air or gas
- Over range: temporary over or under range of 50% of scale up to **260°C or 500°F** will not affect the instrument accuracy
- Accuracy: guaranteed to be accurate to within 1% of full scale
- Standard connection is 1/2" male NPT



## Model 30 Back Connected

| Stem Length | Temperature Range | 3" Face Part # |
|---|---|---|
| 2-1/2" | **0-250°F/-20-120°C** | 30025064 |
| | **50-500°F/10-260°C** | 30025104 |
| 4" | **0-250°F/-20-120°C** | 30040064 |
| | **50-500°F/10-260°C** | 30040104 |
| 6" | **0-250°F/-20-120°C** | 30060064 |
| | **50-500°F/10-260°C** | 30060104 |
| 9"" | **0-250°F/-20-120°C** | 30090064 |
| | **50-500°F/10-260°C** | 30090104 |



## Model 31 Bottom Connected 90° Angle

| Stem Length | Temperature Range | 3" Face Part # |
|---|---|---|
| 2-1/2" | **0-250°F/-20-120°C** | 31025064 |
| 4" | **50-500°F/10-260°C** | 31040104 |



## Model 50 Back Connected

| Stem Length | Temperature Range | 5" Face Part # |
|---|---|---|
| 2-1/2" | **50-500°F/10-260°C** | 50025104 |
| 4" | **0-250°F/-20-120°C** | 50040064 |



## Model 52 Adjustable Angle

| Stem Length | Temperature Range | 5" Face Part # |
|---|---|---|
| 2-1/2" | **0-250°F/-20-120°C** | 52025064 |
| 4" | **0-250°F/-20-120°C** | 52040064 |
| 4" | **50-500°F/10-260°C** | 52040104 |



## Bi-Metal Pocket Thermometers



**Features**
- External reset with hex nut on back of case
- Bi-metal element: responsive actuation by bi-metal helix
- Dampening: bi-metal helix is coated with a viscous silicone to minimize pointer oscillation
- Scale length: approximately 2-1/8" (54mm)
- Accuracy: 1%

**Materials**
- Case: 304 stainless steel hermetically sealed
- Crystal: extra heavy polycarbonate
- Stem: 304 series stainless steel
- Polyethylene carrying case with clip

| Temperature Range | Part # |
|---|---|
| **0°F to 220°F (-18°C to 104°C)** | PT220 |
| **50°F to 550°F (10°C to 288°C)** | PT550 |

F

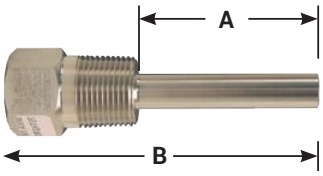
## Magnetic Surface Mount Thermometers



**Features**
- Case: steel, 2" x 1/2"
- Dial: polished aluminum
- Bi-metal element: responsive actuation by bi-metal helix
- Accuracy: ± 2%

| Temperature Range | 2" Face Part # |
|---|---|
| **0°F to 250°F (-18°C to 121°C)** | MT250 |
| **0°F to 500°F (-18°C to 260°C)** | MT500 |

## Threaded Thermowells




**Feature**
- 3/4" male NPT process connection

| 'A' dimension | 'B' dimension | 316 Stainless Steel Part # |
|---|---|---|
| 1-5/8" | 2-1/2" | 75TH2R015SS |
| 2-1/2" | 4" | 75TH2R025SS |
| 4-1/2" | 6" | 75TH2R045SS |
| 7-1/2" | 9" | 75TH2R075SS |

**King Combination Nipples.....358 - 363**
NPT threaded .....358
Beveled end .....359
Grooved end .....359
BSPT end .....359
Jump size NPT threaded .....360
Global NPT threaded.....360
For plastic pipe NPT threaded.....361
150# ASA flange .....361
Turned back.....361
Notched turned back .....362
Notched ferrules.....362
PF shank.....363
External swage notched .....363
Notched NOS ferrules .....363

**Short Crimp Sleeves..... 364**

**King Nipples..... 365**
Steel round .....365
Steel hex .....365

**Plastic Barbs and Inserts ..... 366**
Hose shank x male NPT.....366
Tuff-Lite®.....366

**Hose Menders.....367 - 369**
Dixon® menders.....367
King menders .....368
Barbed menders.....368
Short shank menders.....368
Tuff-Lite menders.....369

**Shank Couplings .....370 - 377**
Suction couplings ..... 370 - 371
Short shank .....370, 371, 373
Long shank.....372, 374, 375
Spanner wrenches .....372
Spray hose.....376
Gaskets.....377

**Agri-Lock Style Couplings .....378 - 381**
Type A ..... 378 - 381

**Bauer Style Couplings .....382 - 386**
Type B ..... 382 - 386

**Polyethylene Crimp Bauer Style .....387 - 388**
Type A .....387
Type B .....388

**Strainers, Skimmers & Foot Valves..389 - 391**
Strainers .....389
Skimmers.....390
Flexible strainers.....390
Foot valves .....391

## King Combination Nipples

**⚠WARNING**

**Applications**

- Recommended for low-pressure discharge and suction service for compatible liquids, sizes 1-1/4" and above are not for compressible products such as air or nitrogen
- King combination nipples are not recommended for steam
- The working pressure may vary with the construction of the hose, the type of clamping system used, and the application, consult Dixon® for recommendations
- In accordance with the Association for Rubber Products Manufacturers (ARPM) bulletin for oil suction and discharge hose, a coupled length of hose in any size, should be tested to 1-1/2 times the working pressure and held for fifteen minutes without leaking or coupling movement, for additional information and detailed instruction on testing procedures, see the Association for Rubber Products Manufacturers (ARPM) handbook



### NPT Threaded End with Knurled Wrench Grip

| Size | Opt Qty | Unplated Steel Part # | Plated Steel Part # | Brass Part # | Aluminum Part # |
|---|---|---|---|---|---|
| 1/2" | 50 | ST1 | STC1 | BST1 | AST1 |
| 3/4" | 50 | ST5 | STC5 | BST5 | AST5 |
| 1" | 50 | ST10 | STC10 | BST10 | AST10 |
| 1-1/4" | 50 | ST15 | STC15 | --- | --- |
| 1-1/2" | 50 | ST20 | STC20 | --- | --- |
| 2" | 25 | ST25 | STC25 | --- | --- |

NOTE: For additional information on pipe dimensions please reference dixonvalve.com.



### NPT Threaded End No Knurl

| Size | Opt Qty | Unplated Steel Part # | Plated Steel Part # | Brass Part # | Aluminum Part # |
|---|---|---|---|---|---|
| 1-1/4" | 50 | --- | --- | BST15 | AST15 |
| 1-1/2" | 50 | --- | --- | BST20 | AST20 |
| 2" | 25 | --- | --- | BST25 | AST25 |
| 2-1/2" | 10 | ST30 | STC30 | BST30 | AST30 |
| 3" | 10 | ST35 | STC35 | BST35 | AST35 |
| 4" | 4 | ST40 | STC40 | BST40 | AST40 |
| 5" | 4 | ST50 | STC50 | --- | AST50 |
| 6" | 2 | ST60 | STC60 | --- | AST60 |
| 8" | 2 | ST80 | STC80 | --- | --- |
| 10" | 1 | ST100 | STC100 | --- | --- |
| 12" | 1 | ST120 | STC120 | --- | --- |



| Size | Opt Qty | 316 Stainless Steel Part # | Hastelloy® Part # |
|---|---|---|---|
| 1/2" | 50 | RST1[1] | --- |
| 3/4" | 50 | RST5[1] | --- |
| 1" | 50 | RST10 | --- |
| 1-1/4" | 50 | RST15 | --- |
| 1-1/2" | 50 | RST20 | --- |
| 2" | 25 | RST25 | HST25 |
| 2-1/2" | 10 | RST30 | --- |
| 3" | 10 | RST35 | HST35 |
| 4" | 4 | RST40 | --- |
| 5" | 4 | RST50 | --- |
| 6" | 4 | RST60 | --- |
| 8" | 2 | RST80 | --- |

[1] Made from investment casting

NOTE: For additional information on pipe dimensions please reference dixonvalve.com.

## King Combination Nipples

### Beveled End

**Feature**

- Beveled ends (in brass) are available in select sizes. Consult Dixon® for prices and availability

| Hose I.D. | Unplated Steel Part # | Opt Qty | 316 Stainless Steel Part # | Opt Qty | Aluminum Part # |
|---|---|---|---|---|---|
| 1/2" | STB1 | 50 | --- | -- | --- |
| 3/4" | STB5 | 50 | RSTB5 | 50 | --- |
| 1" | STB10 | 50 | RSTB10 | 50 | ASTB10 |
| 1-1/4" | STB15 | 50 | RSTB15 | 50 | ASTB15 |
| 1-1/2" | STB20 | 50 | RSTB20 | 50 | ASTB20 |
| 2" | STB25 | 25 | RSTB25 | 25 | ASTB25 |
| 2-1/2" | STB30 | 10 | RSTB30 | 10 | ASTB30 |
| 3" | STB35 | 10 | RSTB35 | 10 | ASTB35 |
| 4" | STB40 | 4 | RSTB40 | 4 | ASTB40 |
| 5" | STB50 | 4 | --- | -- | ASTB50 |
| 6" | STB60 | 2 | RSTB60 | 4 | ASTB60 |
| 8" | STB80 | 2 | RSTB80 | 2 | ASTB80 |
| 10" | STB100 | 1 | --- | -- | ASTB100 |
| 12" | STB120 | 1 | --- | -- | --- |



NOTE: For additional information on pipe dimensions please reference dixonvalve.com.

## King Combination Nipples

### Grooved End

**Features**

- Grooved ends (in brass and aluminum) are available in select sizes. Consult Dixon for prices and availability
- See pages 962, 965 for our complete line of groove style fittings

| Hose I.D. | Unplated Steel Part # | Opt Qty | 316 Stainless Steel Part # | Opt Qty |
|---|---|---|---|---|
| 1" | STV10 | 50 | --- | --- |
| 1-1/4" | STV15 | 50 | --- | --- |
| 1-1/2" | STV20 | 50 | RSTV20 | 50 |
| 2" | STV25 | 25 | RSTV25 | 25 |
| 2-1/2" | STV30 | 10 | --- | --- |
| 3" | STV35 | 10 | RSTV35 | 10 |
| 4" | STV40 | 4 | RSTV40 | 5 |
| 5" | STV50 | 4 | --- | --- |
| 6" | STV60 | 4 | --- | --- |
| 8" | STV80 | 2 | --- | --- |
| 10" | STV100 | 1 | --- | --- |
| 12" | STV120 | 1 | --- | --- |



NOTE: For additional information on pipe dimensions please reference dixonvalve.com.

## King Combination Nipples

### BSPT End

| Size | Plated Steel Part # | Opt Qty | 316 Stainless Steel Part # | Opt Qty |
|---|---|---|---|---|
| 1" | STC10A | 50 | RST10A | 50 |
| 1-1/4" | STC15A | 50 | RST15A | 50 |
| 1-1/2" | STC20A | 50 | RST20A | 50 |
| 2" | STC25A | 50 | RST25A | 25 |
| 2-1/2" | STC30A | 10 | RST30A | 10 |
| 3" | STC35A | 10 | RST35A | 10 |
| 4" | STC40A | 4 | RST40A | 4 |
| 6" | STC60A | 2 | RST60A | 2 |





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## Jump Size King Combination Nipples

**NPT Threaded End**



reducer



increaser



| Hose Shank | Male NPT | Plated Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 3/4" | 1/2" | --- | RST0501 |
| | 1" | STC0510 | RST0510 |
| 1" | 3/4" | STC1005 | RST1005 |
| | 11/4" | STC1015 | RST1015 |
| 1-1/4" | 1" | STC1510 | RST1510 |
| | 1-1/2" | STC1520 | RST1520 |
| 1-1/2" | 1-1/4" | STC2015 | RST2015 |
| | 2" | STC2025 | RST2025 |
| 1-3/4" | 2" | STC175200 | --- |
| 2" | 1-1/2" | STC2520 | RST2520 |
| | 2-1/2" | STC2530 | --- |
| | 3" | STC2535 | RST2535 |
| 2-1/2" | 2" | STC3025 | RST3025 |
| | 3" | STC3035 | --- |
| 3" | 2" | STC3525 | RST3525 |
| | 2-1/2" | STC3530 | --- |
| | 4" | STC3540 | --- |
| 4" | 3" | STC4035 | --- |

NOTE: For additional information on pipe dimensions please reference dixonvalve.com.

## Global King Combination Nipples

**NPT Threaded End**



**⚠WARNING**

**Features**

- Combination nipples are recommended for low-pressure discharge and suction service for compatible liquids, sizes 1-1/4" and above are not for compressible products such as air or nitrogen
- Global King combination nipples are not recommended for steam.
- The working pressure may vary with the construction of the hose, the type of clamping system used, and the application. Consult Dixon® for recommendations.
- In accordance with the Association for Rubber Products Manufacturers (ARPM) bulletin for oil suction and discharge hose, a coupled length of hose in any size, should be tested to 1-1/2 times the working pressure and held for fifteen minutes without leaking or coupling movement, for additional information and detailed instruction on testing procedures, see the Association for Rubber Products Manufacturers (ARPM) handbook

| Size | Plated Steel Part # | Opt Qty |
|---|---|---|
| 1/2" | GSTC1 | 100 |
| 3/4" | GSTC5 | 100 |
| 1" | GSTC10 | 50 |
| 1-1/4" | GSTC15 | 50 |
| 1-1/2" | GSTC20 | 50 |
| 2" | GSTC25 | 25 |
| 2-1/2" | GSTC30 | 10 |
| 3" | GSTC35 | 10 |
| 4" | GSTC40 | 4 |
| 5" | GSTC50 | 4 |
| 6" | GSTC60 | 4 |

NOTE: King Crimp® fittings, ferrules, and sleeves can be found on pages 5 - 17.

## King Combination Nipples for Plastic Pipe

**NPT Threaded End**

| Size | Plated Steel Part # | Optional Qty |
|---|---|---|
| 1/2" | SAP1 | 50 |
| 3/4" | SAP6 | 50 |
| 1" | SAP11 | 50 |
| 1-1/4" | SAP16 | 50 |
| 1-1/2" | SAP21 | 50 |
| 2" | SAP26 | 25 |



NOTE: For additional information on pipe dimensions please reference dixonvalve.com.

## Flanged King Combination Nipples

**150# ASA**

| Size | Steel Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1-1/2" | FST20 | RFST20 |
| 2" | FST25 | RFST25 |
| 3" | FST35 | RFST35 |
| 4" | FST40 | RFST40 |
| 6" | FST60 | RFST60 |
| 8" | FST80 | RFST80 |
| 10" | FST100 | RFST100 |
| 12" | FST120 | RFST120 |



NOTE: For flange dimensions, diagrams, and additional information please reference dixonvalve.com.

## King Turned Back Hose Nipples for Floating Flanges

**Features**

- A turned back nipple, when used in a floating flange assembly, allows the flange to be aligned without stressing (twisting) the hose, this generally increases the hose's service life by eliminating a common cause of premature hose failure
- For use with lap joint flanges shown on page 956

| Size | Plated Carbon Steel Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1" | N10 | RN10 |
| 1-1/4" | N15 | RN15 |
| 1-1/2" | N20 | RN20 |
| 2" | N25 | RN25 |
| 2-1/2" | N30 | RN30 |
| 3" | N35 | RN35 |
| 4" | N40 | RN40 |
| 6" | N60 | RN60 |
| 8" | N80 | RN80 |
| 10" | N100 | RN100 |
| 12" | N120 | RN120 |



NOTE: For additional information on pipe dimensions please reference dixonvalve.com.
King Crimp® fittings, ferrules, and sleeves can be found on pages 5 - 17.

## Notched Turned Back Nipples

**Features**

- When used with an appropriate notched ferrule, these fittings can be swaged or crimped onto hose providing improved shank retention
- When used with double bolt or band clamps, notched turn back nipples provide shank retention similar to that of the King® turned back nipples
- The stem can be removed from a damaged hose by cutting away the ferrule without necessarily damaging the fitting
- For use with lap joint flanges on page 956



Special pushers required:
1-1/2" stem - RN150NOPUSH
2" stem - RN200NOPUSH
2-1/2" stem - RN250NOPUSH
3" stem - RN300NOPUSH
4" stem - RN400NOPUSH

| Size | Carbon Steel Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1-1/2" | N150NO | RN150NO |
| 2" | N200NO | RN200NO |
| 2-1/2" | N250NO | RN250NO |
| 3" | N300NO | RN300NO |
| 4" | N400NO | RN400NO |

NOTE: For additional information on pipe dimensions please reference dixonvalve.com.

## Notched Ferrules

**Features**

- Reference notched shanks above and adapters on page 47
- Dixon stems and ferrules are specifically designed to be used together as a coupling system, due to differences in dimensions and tolerances for safety reasons, do not use other manufacturers' stems or ferrules with Holedall® products



| Size | Hose O.D. | | 304 Stainless Steel Part # |
|---|---|---|---|
| | From | To | |
| 1-1/2" | 1-60/64" | 2-12/64" | GAS2334NO |
| | 2-4/64" | 2-22/64" | GAS2370NO |
| 2" | 2-30/64" | 2-44/64" | GAS2709NO |
| | 2-42/64" | 2-54/64" | GAS2885NO |
| 2-1/2" | 2-54/64" | 3" | GAS3012NO |
| | 3-1/64" | 3-13/64" | GAS3260NO |
| 3" | 3-30/64" | 3-46/64" | GAS3760NO |
| | 3-47/64" | 3-54/64" | GAS3885NO |
| 4" | 4-40/64" | 4-47/64" | GAS5010NO |

NOTE: King Crimp® fittings, ferrules, and sleeves can be found on pages 5 - 17.



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## PF Shank King Combination Nipples

### NPT Threaded End

**Application**

- This shank design was developed specifically for chemical transport hoses having crosslinked polyethylene (XLPE) or ultra high molecular weight polyethylene (UHMW) tubes, where shank retention can be a problem when using conventional band clamps

**Features**

- PF shank King combination nipples have the same shank pattern as found on the PF style cam and groove fittings sold on page 43
- Recommended for discharge and suction service
- Not intended for compressed air



**Specifications**

- Working pressure is given at **70°F (21°C)** maximum
- The working pressure may vary with the construction of the hose, the type of clamping system used, and the application, consult Dixon® for recommendations

| Size | Working PSI | Plated Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 2" | **250** | ST25PF | RST25PF |
| 3" | **125** | ST35PF | RST35PF |
| 4" | **100** | ST40PF | RST40PF |
| 6" | **75** | ST60PF | RST60PF |

NOTE: Beveled ends for welding are also available. Contact Dixon for further information.
For additional information on pipe dimensions, please reference dixonvalve.com.

## External Swage Notched NOS Stems

**WARNING**

The notched system allows you to better manage your inventories. You can stock one stem and two ferrules and cover the same hose range with less inventory. You must purchase a fitting and the matching ferrule to create an assembly.

**Features**

- For hose outside diameters of 2-4/64" and below, couplings are crimp only
- For hose outside diameters of 2-5/64" and above, couplings can be crimped or swaged
- See page 36 for cam and groove style notched NOS fittings
- Only use the NOS shank with the NOS ferrules, due to differences in dimensions and tolerances for safety reasons, do not use other manufacturers' stems or ferrules with Dixon Holedall® products



| Size | PSI | 316 Stainless Steel Part # |
|---|---|---|
| 1-1/2" | **250** | RST150NOS |
| 2" | **250** | RST200NOS |
| 3" | **250** | RST300NOS |
| 4" | [1] | RST400NOS |

[1] Contact Dixon for pressure information

## Notched NOS Ferrules

**Feature**

- Reference notched shanks above and adapters on page 45

| Size | Hose O.D. | | 304 Stainless Steel Part # |
|---|---|---|---|
| | From | To | |
| 1-1/2" | 1-60/64" | 2-12/64" | GAS2334NOS |
| | 2-4/64" | 2-22/64" | GAS2370NOS |
| 2" | 2-30/64" | 2-44/64" | GAS2709NOS |
| | 2-42/64" | 2-54/64" | GAS2885NOS |
| 3" | 3-30/64" | 3-46/64" | GAS3760NOS |
| | 3-47/64" | 3-54/64" | GAS3885NOS |
| 4" | 4-40/64" | 4-47/64" | GAS5010NOS |





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## Short Crimp Sleeves

**Features**

- For use with King combination nipples only
- A reliable alternative to band clamps
- Not for use with Dixon® King Crimp® Style shanks



| Hose I.D. | Hose O.D. From | Hose O.D. To | Sleeve I.D. | Sleeve Wall Thickness | Sleeve Overall Length | Carbon Steel Part # |
|---|---|---|---|---|---|---|
| 3/4" | 1-5/64" | 1-8/64" | 1.1875" | .060" | 1-1/4" | CSS075-3CS |
| | 1-9/64" | 1-12/64" | 1.250" | .060" | 1-1/4" | CSS075-4CS |
| | 1-17/64" | 1-20/64" | 1.375" | .060" | 1-1/4" | CSS075-6CS |
| 1" | 1-21/64" | 1-24/64" | 1.438" | .060" | 1-1/2" | CSS100-3CS |
| | 1-25/64" | 1-28/64" | 1.500" | .060" | 1-1/2" | CSS100-4CS |
| | 1-29/64" | 1-32/64" | 1.563" | .060" | 1-1/2" | CSS100-5CS |
| | 1-33/64" | 1-36/64" | 1.625" | .060" | 1-1/2" | CSS100-6CS |
| | 1-37/64" | 1-40/64" | 1.688" | .060" | 1-1/2" | CSS100-7CS |
| | 1-41-64" | 1-44/64" | 1.750" | .060" | 1-1/2" | CSS100-8CS |
| 1-1/2" | 1-41/64" | 1-44/64" | 1.750" | .060" | 1-3/4" | CSS150-1CS |
| | 1-45/64" | 1-48/64" | 1.813" | .060" | 1-3/4" | CSS150-2CS |
| | 1-49/64" | 1-52/64" | 1.875" | .060" | 1-3/4" | CSS150-3CS |
| | 1-53/64" | 1-56/64" | 1.938" | .060" | 1-3/4" | CSS150-4CS |
| | 1-57/64" | 1-60/64" | 2.000" | .060" | 1-3/4" | CSS150-5CS |
| | 1-61/64" | 2" | 2.063" | .060" | 1-3/4" | CSS150-6CS |
| | 2-1/64" | 2-4/64" | 2.125" | .060" | 1-3/4" | CSS150-7CS |
| | 2-5/64" | 2-8/64" | 2.188" | .060" | 1-3/4" | CSS150-8CS |
| | 2-9/64" | 2-12/64" | 2.250" | .060" | 1-3/4" | CSS150-9CS |
| 2" | 2-21/64" | 2-24/64" | 2.438" | .060" | 2" | CSS200-3CS |
| | 2-25/64" | 2-28/64" | 2.500" | .060" | 2" | CSS200-4CS |
| | 2-29/64" | 2-32/64" | 2.563" | .060" | 2" | CSS200-5CS |
| | 2-33/64" | 2-36/64" | 2.625" | .060" | 2" | CSS200-6CS |
| | 2-37/64" | 2-40/64" | 2.688" | .060" | 2" | CSS200-7CS |
| | 2-41/64" | 2-44/64" | 2.750" | .060" | 2" | CSS200-8CS |
| | 2-45/64" | 2-48/64" | 2.813" | .060" | 2" | CSS200-9CS |
| | 2-49/64" | 2-52/64" | 2.875" | .060" | 2" | CSS200-10CS |
| | 2-53/64" | 2-56/64" | 2.938" | .060" | 2" | CSS200-11CS |
| | 2-57/64" | 2-60/64" | 3.000" | .060" | 2" | CSS200-12CS |
| 3" | 3-13/64" | 3-16/64" | 3.313" | .090" | 2-5/8" | CSS300-1CS |
| | 3-17/64" | 3-20/64" | 3.375" | .090" | 2-5/8" | CSS300-2CS |
| | 3-21/64" | 3-24/64" | 3.438" | .090" | 2-5/8" | CSS300-3CS |
| | 3-25/64" | 3-28/64" | 3.500" | .090" | 2-5/8" | CSS300-4CS |
| | 3-29/64" | 3-32/64" | 3.563" | .090" | 2-5/8" | CSS300-5CS |
| | 3-33/64" | 3-36/64" | 3.625" | .090" | 2-5/8" | CSS300-6CS |
| | 3-37/64" | 3-40/64" | 3.688" | .090" | 2-5/8" | CSS300-7CS |
| | 3-41/64" | 3-44/64" | 3.750" | .090" | 2-5/8" | CSS300-8CS |
| | 3-45/64" | 3-48/64" | 3.813" | .090" | 2-5/8" | CSS300-9CS |
| | 3-49/64" | 3-52/64" | 3.875" | .090" | 2-5/8" | CSS300-10CS |
| | 3-53/64" | 3-56/64" | 3.938" | .090" | 2-5/8" | CSS300-11CS |
| | 3-57/64" | 3-60/64" | 4.000" | .090" | 2-5/8 | CSS300-12CS |
| 4" | 4-29/64" | 4-32/64" | 4.563" | .090" | 3-15/32" | CSS400-5CS |
| | 4-33/64" | 4-36/64" | 4.625" | .090" | 3-15/32" | CSS400-6CS |
| | 4-37/64" | 4-40/64" | 4.688" | .090" | 3-15/32" | CSS400-7CS |
| | 4-41/64" | 4-44/64" | 4.750" | .090" | 3-15/32" | CSS400-8CS |
| | 4-45/64" | 4-48/64" | 4.813" | .090" | 3-15/32" | CSS400-9CS |
| | 4-49/64" | 4-52/64" | 4.875" | .090" | 3-15/32" | CSS400-10CS |
| | 4-53/64" | 4-56/64" | 4.938" | .090" | 3-15/32" | CSS400-11CS |
| | 4-57/64" | 4-60/64" | 5.000" | .090" | 3-15/32" | CSS400-12CS |

## King Steel Round Nipples
### For One Clamp

| Hose Size | NPT Size | Unplated Steel Part # | Optional Qty |
|---|---|---|---|
| 5/8" | 1/2" | KRN541 | 100 |
| 3/4" | 1/2" | KRN641 | 50 |
| 1" | 3/4" | KRN861 | 25 |



## King Steel Round Nipples
### For Two Clamps

| Hose Size | NPT Size | Unplated Steel Part # | Optional Qty |
|---|---|---|---|
| 1/2" | 1/4" | KRN422 | 100 |
| | 3/8" | KRN432 | 100 |
| 5/8" | 1/2" | KRN542 | 100 |
| 3/4" | 1/2" | KRN642 | 50 |
| | 3/4" | KRN662 | 50 |
| 1" | 3/4" | KRN862 | 50 |
| | 1" | KRN882 | 50 |
| 1-1/4" | 1" | KRN1082 | 25 |
| 1-1/2" | 1-1/4" | KRN1210 | 25 |
| 2" | 1-1/2" | KRN1612 | 20 |





## King Steel Hex Nipples
### For One Clamp

| Hose Size | NPT Size | Plated Steel Part # | Optional Qty |
|---|---|---|---|
| 1/4" | 1/4" | KHN221 | 50 |
| 3/8" | 1/4" | KHN321 | 100 |
| | 3/8" | KHN331 | 100 |
| | 1/2" | KHN341 | 100 |
| 1/2" | 1/4" | KHN421 | 50 |
| | 3/8" | KHN431 | 50 |
| | 1/2" | KHN441 | 50 |
| | 3/4" | KHN461 | 50 |
| 3/4" | 1/2" | KHN641 | 50 |
| | 3/4" | KHN661 | 50 |
| 1" | 3/4" | KHN861 | 25 |
| | 1" | KHN881 | 25 |



## King Steel Hex Nipples
### For Two Clamps

| Hose Size | NPT Size | Plated Steel Part # | Optional Qty |
|---|---|---|---|
| 1/4" | 1/4" | KHN222 | 100 |
| 3/8" | 1/4" | KHN322 | 100 |
| | 3/8" | KHN332 | 50 |
| | 1/2" | KHN342 | 100 |
| 1/2" | 1/4" | KHN422 | 100 |
| | 3/8" | KHN432 | 100 |
| | 1/2" | KHN442 | 50 |
| | 3/4" | KHN462 | 50 |
| 3/4" | 1/2" | KHN642 | 50 |
| | 3/4" | KHN662 | 50 |



## Hose Shank x Male NPT Inserts


nylon


polypropylene

| Size | Nylon Part # | Pkg Qty | Polypropylene Part # | Pkg Qty |
|---|---|---|---|---|
| 1-1/4" | THN15 | 25 | --- | --- |
| 1-1/2" | THN20 | 25 | HB150 | 25 |
| 2" | THN25 | 20 | HB200 | 24 |
| 3" | THN35 | 10 | HB300 | 10 |
| 4" | --- | --- | HB400 | 12 |

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## Tuff-Lite®

### Hose Shank x Male NPT Insert


polypropylene

**Features**

- Additional material and sizes on page 1004
- Polypropylene fittings should not be used with aromatic hydrocarbons, carbon tetra-chloride, gasoline, hexane, kerosene, nitric acid, sodium hydrochlorite, toluene, trichloroethylene, or xylene
- Polypropylene should not be used with compressed gas
- Fittings are black

| Hose Size | Male NPT | Pkg Qty | Polypropylene Part # | Pkg Qty |
|---|---|---|---|---|
| 1/2" | 1/2" | 50 | PPN44 | 50 |
| 3/4" | 3/4" | 50 | PPN66 | 50 |
| 1" | 1" | 25 | PPN88 | 25 |

# Dixon® Hose Menders

**Features**

- Not for compressible products such as air, nitrogen, or steam
- The working pressure may vary with the construction of the hose, the type of clamping system used, and the application, consult Dixon for recommendations.
- In accordance with the ARPM bulletin for oil suction and discharge hose, a coupled length of hose in any size, should be tested to 1-1/2 times the working pressure and held for fifteen minutes without leaking or coupling movement; for additional information and detailed instruction on testing procedures, see the Association for Rubber Products Manufacturers' (ARPM) handbook or visit ARPMINC.com

| Size | Zinc Plated Steel Part # | Optional Qty | 316 Stainless Steel Part # | Optional Qty |
|---|---|---|---|---|
| 1/4" | DMA | 200 | RDMA | 100 |
| 3/8" | DMB | 100 | RDMB | 100 |
| 1/2" | DM1 | 50 | RDM1 | 50 |
| 5/8" | DM5 | 50 | --- | --- |
| 3/4" | DM6 | 50 | RDM6 | 50 |
| 1" | DM11 | 50 | RDM11 | 50 |
| 1-1/4" | DM16 | 50 | RDM16 | 5 |
| 1-3/8" | DM18 | 50 | --- | --- |
| 1-1/2" | DM21 | 50 | RDM21 | 50 |
| 1-1/2" | DMXL21[1] | 25 | --- | --- |
| 2" | DM26 | 50 | RDM26 | 10 |
| 2" | DMXL26[1] | 25 | --- | --- |
| 2-1/2" | DM31 | 25 | --- | --- |
| 3" | DM36 | 20 | RDM36 | 5 |
| 4" | DM46 | 10 | RDM46 | 5 |
| 5" | DM51 | 5 | --- | --- |
| 6" | DM66 | 4 | --- | --- |
| 8" | DM86 | 1 | --- | --- |
| 10" | DM100 | 1 | --- | --- |
| 12" | DM120 | 1 | --- | --- |

[1] XL series has extra long shank



zinc plated steel



316 stainless steel

G

## King Hose Menders

**Features**

- Not for compressible products such as air, nitrogen, or steam
- The working pressure may vary with the construction of the hose, the type of clamping system used, and the application, consult Dixon® for recommendations
- In accordance with the ARPM bulletin for oil suction and discharge hose, a coupled length of hose in any size, should be tested to 1-1/2 times the working pressure and held for fifteen minutes without leaking or coupling movement; for additional information and detailed instruction on testing procedures, see the Association for Rubber Products Manufacturers' (ARPM) handbook or visit ARPMINC.com



### For One Clamp

| Size | Steel Part # |
|---|---|
| 1/4" | KM21 |
| 5/16" | KM251 |
| 1/2" | KM41 |
| 5/8" | KM51 |
| 3/4" | KM61 |
| 1" | KM81 |
| 1-1/4" | KM101 |
| 1-1/2" | KM121 |



### For Two Clamps

| Size | Steel Part # |
|---|---|
| 1/2" | KM42 |
| 5/8" | KM52 |
| 3/4" | KM62 |
| 1" | KM82 |
| 1-1/4" | KM102 |
| 1-1/2" | KM122 |
| 2" | KM162 |

## Barbed Hose Menders



| Hose I.D. | Lead Free Brass[1] Part # | Brass | |
|---|---|---|---|
| | | Previous Part # | Part # |
| 1/8" | --- | BM1 | 1780202C |
| 3/16" | --- | BM15 | 1780303C |
| 1/4" x 1/8" | --- | BM2-1 | 1780402C |
| 1/4" | 1780404CLF | BM2 | 1780404C |
| 5/16" | --- | BM25 | 1780505C |
| 3/8" x 1/4" | --- | BM3-2 | 1780604C |
| 3/8" | 1780606CLF | BM3 | 1780606C |
| 1/2" x 1/4" | --- | --- | 1780804C |
| 1/2" x 3/8" | --- | BM4-3 | 1780806C |
| 1/2" | 1780808CLF | BM4 | 1780808C |
| 5/8" x 3/8" | --- | BM5-3 | 1781006C |
| 5/8" x 1/2" | --- | BM5-4 | 1781008C |
| 5/8" | --- | BM5 | 1781010C |
| 3/4" x 1/2" | --- | BM6-4 | 1781208C |
| 3/4" | --- | BM6 | 1781212C |
| 1" x 3/4" | --- | --- | 1781612C |
| 1" | --- | BM8 | 1781616C |

[1] NSF®/ANSI 61 certified Lead Free Brass <=0.25% lead, Alloy C2745

## Short Shank Menders



| Size | Length | Previous Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1/4" | 2-1/32" | 1780404SS | RM2 |
| 3/8" | 2-1/16" | 1780606SS | RM3 |
| 1/2" | 2-1/16" | 1780808SS | RM4 |

## Tuff-Lite®

### Menders

**Specification**

- Maximum working temperature: **150°F (66°C)**

| Size | Nylon Part # | Polypropylene Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | TM2 | PPM2 | 50 |
| 5/16" | TM25 | --- | --- |
| 3/8" | TM3 | PPM3 | 50 |
| 1/2" | TM4 | PPM4 | 50 |
| 5/8" | TM5 | PPM5 | 50 |
| 3/4" | TM6 | PPM6 | 50 |
| 1" | TM8 | PPM8 | 50 |
| 1-1/4" | TM16 | --- | --- |
| 1-1/2" | TM21 | --- | --- |
| 2" | TM26 | --- | --- |
| 4" | TM46 | --- | --- |
| 6" | TM66 | --- | --- |



nylon



polypropylene

NOTE: Sold in package quantities only

### Push-On Hose Menders

**Feature**

- No clamps needed when used with push-on hose

| Size | Nylon Part # | Pkg Qty |
|---|---|---|
| 1/4" | TPM2 | 50 |
| 3/8" | TPM3 | 50 |
| 1/2" | TPM4 | 50 |



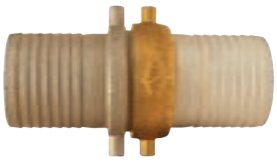
NOTE: Sold in package quantities only



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# King Short Shank Suction Hose Couplings

## NPSM Thread



complete



female



1" - 2-1/2"
male



3" - 6"
male

**Application**

- For suction or discharge of water

| Size | Aluminum Shank with Brass Nut Complete Part # | Opt Qty | Aluminum Shank with Brass Nut Female Part # | Aluminum Male Part # |
|---|---|---|---|---|
| 1-1/2" | CAB150 | 60 | FAB150 | MA150 |
| 2" | CAB200 | 40 | FAB200 | MA200 |
| 2-1/2" | CAB250 | 30 | FAB250 | MA250 |
| 3" | CAB300 | 18 | FAB300 | MA300 |
| 4" | CAB400 | 8 | FAB400 | MA400 |
| 6" | CAB600 | 6 | FAB600 | MA600 |

| Size | Brass Shank with Brass Nut Complete Part # | Brass Shank with Brass Nut Female Part # | Brass Male Part # |
|---|---|---|---|
| 1-1/4" | CBB125 | FBB125 | MB125 |
| 1-1/4" | CBB150 | FBB150 | MB150 |
| 2" | CBB200 | FBB200 | MB200 |
| 2-1/2" | CBB250 | FBB250 | MB250 |
| 3" | CBB300 | FBB300 | MB300 |
| 4" | CBB400 | FBB400 | MB400 |

| Size | Plated Iron Shank with Plated Iron Nut Complete Part # | Plated Iron Shank with Plated Iron Nut Female Part # | Plated Iron Male Part # |
|---|---|---|---|
| 1" | S33[1] | S12[1] | S10 |
| 1-1/4" | S48 | S17 | S15 |
| 1-1/2" | S63 | S22 | S20 |
| 2" | S78 | S27 | S25 |
| 2-1/2" | S93 | S32 | S30 |
| 3" | S111 | S38 | S36 |
| 4" | S123 | S42 | S40 |
| 5" | --- | S57 | S55 |
| 6" | S183 | S62 | S60 |

| Size | Plated Iron Shank with Brass Nut Complete Part # | Plated Iron Shank with Brass Nut Female Part # | Plated Iron Male Part # |
|---|---|---|---|
| 1" | SB33[1] | SB12[1] | S10 |
| 1-1/2" | SB48 | SB17 | S15 |
| 1-1/2" | SB63 | SB22 | S20 |
| 2" | SB78 | SB27 | S25 |
| 2-1/2" | SB93 | SB32 | S30 |
| 3" | SB111 | SB38 | S36 |
| 4" | SB123 | SB42 | S40 |
| 5" | --- | SB57 | S55 |
| 6" | SB183 | SB62 | S60 |

[1] 1" fittings have a hex nut design

NOTE: Complete couplings supplied with rubber gaskets

Replacement gaskets (KRW standard) are available. See page 377.



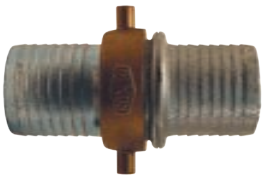
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## King Short Shank Suction Hose Couplings

### NST Couplings

**Application**
- For suction or discharge of water

| Size | Aluminum Shank with Brass Nut Complete Part # | Aluminum Shank with Brass Nut Female Part # | Aluminum Male Part # |
|---|---|---|---|
| 1-1/2" | CAB150N | FAB150N | MA150N |
| 2-1/2" | CAB250N | FAB250N | MA250N |



complete

| Size | Brass Shank with Brass Nut Complete Part # | Brass Shank with Brass Nut Female Part # | Brass Male Part # |
|---|---|---|---|
| 1-1/2" | BS63N | BS22N | BS201 |
| 2-1/2" | BS93N | BS32N | BS301 |



female

| Size | Plated Iron Shank with Plated Iron Nut Complete Part # | Plated Iron Shank with Plated Iron Nut Female Part # | Plated Iron Male Part # |
|---|---|---|---|
| 1-1/2" | S63N | S22N | S201 |
| 2-1/2" | S93N | S32N | S301 |



male

| Size | Plated Iron Shank with Brass Nut Complete Part # | Plated Iron Shank with Brass Nut Female Part # | Plated Iron Male Part # |
|---|---|---|---|
| 1-1/2" | SB63N | SB22N | S201 |
| 2-1/2" | SB93N | SB32N | S301 |

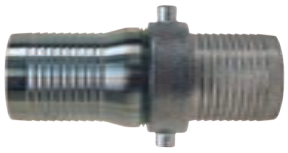
NOTE: NST (Common Fire Hose thread) is also known as NH
Replacement gaskets (KRW standard) are available. See page 377.

## Steel King Short Shank Suction Couplings

### NPSM Couplings

**Application**
- For suction or discharge of water

| Size | Plated Steel Shank with Plated Iron Nut Complete Part # | Plated Steel Shank with Plated Iron Nut Female Part # | Plated Steel Male Part # |
|---|---|---|---|
| 1-1/4" | CSM125 | FCSM125 | MCS125 |
| 1-1/2" | CSM150 | FCSM150 | MCS150 |
| 2" | CSM200 | FCSM200 | MCS200 |
| 2-1/2" | CSM250 | FCSM250 | MCS250 |
| 3" | CSM300 | FCSM300 | MCS300 |
| 4" | CSM400 | FCSM400 | MCS400 |
| 6" | CSM600 | FCSM600 | MCS600 |



complete

| Size | Plated Steel Shank with Brass Nut Complete Part # | Plated Steel Shank with Brass Nut Female Part # | Plated Steel Male Part # |
|---|---|---|---|
| 1-1/4" | CSB125 | FCSB125 | MCS125 |
| 1-1/2" | CSB150 | FCSB150 | MCS150 |
| 2" | CSB200 | FCSB200 | MCS200 |
| 2-1/2" | CSB250 | FCSB250 | MCS250 |
| 3" | CSB300 | FCSB300 | MCS300 |
| 4" | CSB400 | FCSB400 | MCS400 |
| 6" | CSB600 | FCSB600 | MCS600 |



female



male



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# Super King Long Shank Hose Couplings

## Female NPSM Couplings

**Application**
- For liquid transfer where steel and stainless are preferred



pin lug nut




hex nut

| Size | Shank Length | Plated Steel Shank with Brass Pin Lug Nut [1] Part # | Plated Steel Shank with Iron Pin Lug Nut [1] Part # |
|---|---|---|---|
| 1-1/4" | 4-1/8" | SD15 | SDMP15 |
| 1-1/2" | 4-1/8" | SD20 | SDMP20 |
| 2" | 5" | SD25 | SDMP25 |
| 2-1/2" | 5" | SD30 | SDMP30 |
| 3" | 5" | SD35 | SDMP35 |
| 4" | 5" | SD40 | SDMP40 |

| Size | Shank Length | 316 Stainless Shank with Iron Pin Lug Nut[1] Part # | 316 Stainless Shank with Stainless Hex Nut[2] Part # |
|---|---|---|---|
| 1-1/2" | 4-1/8" | --- | RSHR20 |
| 2" | 5" | RSDM25 | RSDR25 |
| 3" | 5" | RSDM35 | --- |

[1] KLW leather gaskets standard
[2] PTFE gaskets standard

## Male NPT Couplings



| Size | Shank Length | Plated Steel Part # | 316 Stainless Part # |
|---|---|---|---|
| 1-1/4" | 4-3/8" | SK16 | RSK16 |
| 1-1/2" | 4-5/32" | SK21 | --- |
| 2" | 5-5/16" | SK26 | RSK26 |
| 2-1/2" | 5-5/16" | SK31 | --- |
| 3" | 5-1/2" | SK36 | RSK36 |
| 4" | 5-1/2" | SK46 | --- |

NOTE: All Super King long shank couplings accept three band clamps

# Pin Lug Spanner Wrenches

## Single End



| Size | Plated Iron Part # |
|---|---|
| 2" | SW20 |
| 2-1/2" | SW25 |
| 3" | SW30 |
| 4" | SW40 |
| 6" | SW60 |

## Double End



| Size | Plated Iron Part # |
|---|---|
| 1-1/2", 2" x 2-1/2", 3" | SW153 |



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## Short Shank Hose Couplings

### Complete NPSM Couplings

| Size | 316 Stainless Steel Part # |
|---|---|
| 1/2" | RES404 |
| 3/4" | RES606 |
| 1" | RES808 |
| 1-1/4" | RES48 |
| 1-1/2" | RES63 |
| 2" | RES78 |



NOTE: Standard gasket is rubber (KRW); for FKM gaskets (KVW) see page 377.

### Female NPSM Couplings

| Size | 316 Stainless Steel Part # |
|---|---|
| 1/2" | RES444 |
| 3/4" | RES646 |
| 1" | RES848 |
| 1-1/4" | RES33 |
| 1-1/2" | RES43 |
| 2" | RES53 |



NOTE: Standard gasket is rubber (KRW); for FKM gaskets (KVW) see page 377.

## Machined Short Shank Hose Couplings

### Complete NPSM Couplings

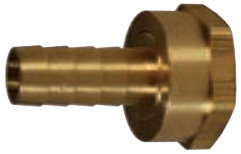
| Hose I.D. | NPSM Thread | Previous Part # | Brass Part # |
|---|---|---|---|
| 1/2" | 3/4" | --- | BS406 |
| 3/4" | 3/4" | --- | BS606 |
| 1" | 1" | BS808[1] | 5921616K[1,2] |



[1] NPSH threads
[2] Washer is 5911212W
NOTE: Use with KRW washers on page 377

### Female NPSM Couplings

| Hose I.D. | NPSM Thread | Previous Part # | Brass Part # |
|---|---|---|---|
| 1/2" | 3/4" | --- | BS446 |
| 5/8" | 3/4" | --- | BS546 |
| 3/4" | 3/4" | --- | BS646 |
| 1" | 1" | BS848[1] | 5911616C[1,2,3] |



[1] NPSH threads
[2] Washer is 5911212W
[3] Lead-free option available on page 420 of catalog
NOTE: Use with KRW washers on page 377

### Male NPSM Couplings

| Hose I.D. | NPSM Thread | Previous Part # | Brass Part # |
|---|---|---|---|
| 1/2" | 3/4" | --- | BS416 |
| 3/4" | 3/4" | --- | BS616 |
| 1" | 1" | BS818[1] | 5901616C[1,2] |



[1] NPSH threads
[2] Lead-free option available on page 420 of catalog



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## Long Shank Hose Couplings

### Complete NPSM Couplings



plated steel



brass

| Hose I.D. | NPSM Thread | Plated Steel Part # | Plated Iron Part # | Previous Part # | Brass Part # |
|---|---|---|---|---|---|
| 1/2" | 1/2" | SLS404 | --- | --- | BLS404 |
| 1/2" | 3/4" | --- | --- | --- | BLS406 |
| 5/8" | 3/4" | --- | --- | --- | BLS506 |
| 3/4" | 3/4" | SLS606 | --- | --- | BLS606 |
| 1" | 1" | SLS808 | --- | BLS808 | 5951616K[1, 2] |
| 1-1/4" | 1-1/4" | --- | MLS48 | --- | BLS48 |
| 1-1/2" | 1-1/2" | --- | MLS63 | --- | BLS63 |
| 2" | 2" | --- | MLS78 | --- | BLS78 |

[1] NPSH thread
[2] Washer is 5911616W
NOTE: Sizes 1/2" to 1" are machined; 1-1/4" to 2" are cast
Replacement gaskets (KRW standard) available on page 377

G

### Female NPSM Couplings



plated steel



brass

| Hose I.D. | NPSM Thread | Plated Steel Part # | Plated Iron Part # | Previous Part # | Brass Part # |
|---|---|---|---|---|---|
| 1/2" | 1/2" | SLS444 | --- | --- | BLS444 |
| 1/2" | 3/4" | --- | --- | --- | BLS446 |
| 5/8" | 3/4" | --- | --- | --- | BLS546 |
| 3/4" | 3/4" | SLS646 | --- | --- | BLS646 |
| 1" | 1" | SLS848 | --- | BLS848 | 5941616C[1, 2] |
| 1-1/4" | 1-1/4" | --- | MLS33 | --- | BLS33 |
| 1-1/2" | 1-1/2" | --- | MLS43 | --- | BLS43 |
| 2" | 2" | --- | MLS53 | --- | BLS53 |

[1] NPSH thread
[2] Washer is 5911616W
NOTE: 1/2" to 1" are machined; 1-1/4" to 2" are cast
Replacement gaskets (KRW standard) available on page 377

### Male NPSM Couplings



plated steel



brass

| Hose I.D. | NPSM Thread | Plated Steel Part # | Plated Iron Part # | Previous Part # | Brass Part # |
|---|---|---|---|---|---|
| 1/2" | 1/2" | SLS414 | --- | --- | BLS414 |
| 1/2" | 3/4" | --- | --- | --- | BLS416 |
| 5/8" | 3/4" | --- | --- | --- | BLS516 |
| 3/4" | 3/4" | SLS616 | --- | --- | BLS616 |
| 1" | 1" | SLS818 | --- | BLS818 | 5931616C[1] |
| 1-1/4" | 1-1/4" | --- | MLS15 | --- | BLS15 |
| 1-1/2" | 1-1/2" | --- | MLS20 | --- | BLS20 |
| 2" | 2" | --- | MLS25 | --- | BLS25 |

[1] NPSH thread
NOTE: 1/2" to 1" are machined; 1-1/4" to 2" are cast

# Long Shank Hose Couplings

## Complete NST Couplings

| Hose I.D. | NST Thread | Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | BLS63NST |
| 2-1/2" | 2-1/2" | BLS93NST |



NOTE: Replacement gaskets (KRW standard) available on page 377
For GHT long shank complete couplings, see page 422

## Female NST Couplings

| Hose I.D. | NST Thread | Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | BLS150NST |
| 2-1/2" | 2-1/2" | BLS250NST |



NOTE: Replacement gaskets (KRW standard) available on page 377
For GHT long shank female coupling, see page 422

## Male NST Couplings

| Hose I.D. | NST Thread | Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | BLS20NST |
| 2-1/2" | 2-1/2" | BLS30NST |



NOTE: For GHT long shank male coupling, see page 422

## Spray Hose Couplings

### Complete NPSM Couplings



| Hose I.D. | NPSM Thread | Plated Steel Part # |
|---|---|---|
| 3/8" | 3/4" | SS306 |
| 1/2" | 1/2" | SS404 |
| 1/2" | 3/4" | SS406 |
| 3/4" | 3/4" | SS606 |
| 1" | 1" | SS808 |

NOTE: For GHT spray hose complete coupling, see page 420
Replacement KLW (leather gaskets) standard, can be found on page 377

G

### Female NPSM Couplings



| Hose I.D. | NPSM Thread | Plated Steel Part # |
|---|---|---|
| 3/8" | 3/4" | SS346 |
| 1/2" | 1/2" | SS444 |
| 1/2" | 3/4" | SS446 |
| 3/4" | 3/4" | SS646 |
| 1" | 1" | SS848 |

NOTE: For GHT spray hose female coupling, see page 420
Replacement KLW (leather gaskets) standard, can be found on page 377

### Male NPSM Couplings



| Hose I.D. | NPSM Thread | Plated Steel Part # |
|---|---|---|
| 3/8" | 3/4" | SS316 |
| 1/2" | 1/2" | SS414 |
| 1/2" | 3/4" | SS416 |
| 3/4" | 3/4" | SS616 |
| 1" | 1" | SS818 |

NOTE: For GHT spray hose male coupling, see page 420

# Gaskets for Suction, Short, Long, and Spray Hose Couplings

**Feature**
- For use on NPSM threaded couplings

| Hose I.D. | Rubber (Styrene Butadiene) Part # | Neoprene Part # | FKM Part # |
|---|---|---|---|
| 1/2" | KRW1 | --- | --- |
| 3/4" | KRW5 | KNW5 | --- |
| 1" | KRW10 | KNW10 | KVW10 |
| 1-1/4" | KRW15 | KNW15 | --- |
| 1-1/2" | KRW20 | KNW20 | KVW20 |
| 2" | KRW25 | KNW25 | KVW25 |
| 2-1/2" | KRW30 | KNW30 | --- |
| 3" | KRW35 | KNW35 | KVW35 |
| 4" | KRW40 | KNW40 | --- |
| 5" | KRW50 | --- | --- |
| 6" | KRW60 | KNW60 | --- |
| 8" | KRW80 | KNW80 | --- |

| Hose I.D. | Leather Part # | Rubber Part # |
|---|---|---|
| 1/2" | KLW1 | --- |
| 3/4" | KLW5 | --- |
| 1" | KLW10 | --- |
| 1-1/4" | KLW15 | --- |
| 1-1/2" | KLW20 | KRW2075[1] |
| 2" | KLW25 | --- |
| 2-1/2" | KLW30 | KRW3075[1] |
| 3" | KLW35 | --- |
| 4" | KLW40 | --- |

[1] NST only threaded couplings


rubber


neoprene


FKM


leather


rubber

## Type A

**Application**
- Used primarily on irrigation and suction lines

**Features**
- Hot dipped, galvanized
- Has a double pin locking lever for smooth closing action
- Type A Agri-Lock style locks on female style
- Each coupler is equipped with a safety pin to prevent accidental openings.
- These fittings are not recommended for chemicals or any hazardous type materials where the possibility of leakage would result in health or environmental concerns, consult Dixon® for recommendations





10"

### Female with Hose Shank

**Feature**
- Supplied with gasket

| Size | Galvanized Steel Part # |
|---|---|
| 10" | FC21210 |
| 12" | FC21212[1] |

[1] 12" supplied with M20412 lever assist bar found on page 381



12"

### Female with Machined Hose Shank

**Features**
- Dixon combination nipple style hose shank machined from Schedule 40 pipe
- Recommended for use with steel King Crimp® sleeves
- Supplied with gasket

| Size | Galvanized Steel Part # |
|---|---|
| 10" | FC21210ST100 |
| 12" | FC21212ST120[1] |

[1] 12" supplied with M20412 lever assist bar found on page 381



12"

### Female with 150# ASA Flange

**Feature**
- Supplied with gasket

| Size | Galvanized Steel Part # |
|---|---|
| 10" | FC22310 |
| 12" | FC22312[1] |

[1] 12" supplied with M20412 lever assist bar found on page 381

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.

## Type A

### Male with Hose Shank

| Size | Galvanized Steel Part # |
|---|---|
| 10" | MC21110 |
| 12" | MC21112 |



### Male with Machined Hose Shank

**Features**
- Dixon® combination nipple style hose shank machined from Schedule 40 pipe
- Recommended for use with steel King Crimp® sleeves

| Size | Galvanized Steel Part # |
|---|---|
| 10" | MC21110ST100 |
| 12" | MC21112ST120 |





### Male with 150# ASA Flange

| Size | Galvanized Steel Part # |
|---|---|
| 10" | MC22210 |
| 12" | MC22212 |

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.



## Type A

### Male x Female 90° Elbows



12"

**Feature**
- Supplied with gasket

| Size | Galvanized Steel Part # |
|---|---|
| 10" | EL21510-90 |
| 12" | EL21512-90[1] |

[1] 12" supplied with M20412 lever assist bar on page 381

### Female for Welding to Pipe



12"

| Size | Unplated Steel Part # |
|---|---|
| 10" | 20410 |
| 12" | 20412 |

### Males with Ring for Welding



| Size | Unplated Steel Part # |
|---|---|
| 10" | 21010 |
| 12" | 21012 |

### Female Plugs



10"

**Feature**
- Supplied with gasket

| Size | Galvanized Steel Part # |
|---|---|
| 10" | FP20910 |
| 12" | FP20912[1] |

[1] 12" supplied with M20412 lever assist bar on page 381



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# Type A

## Male Plugs with Ring

| Size | Galvanized Steel Part # |
|---|---|
| 10" | MP21010 |
| 12" | MP21012 |



## Gaskets

| Size | Rubber Part # | EPDM Part # |
|---|---|---|
| 10" | RG20510 | RG20610 |
| 12" | RG20512 | RG20612 |



G

## Lever Assist Bar

| Size | Galvanized Steel Part # |
|---|---|
| 12" | M20412 |



## Quick Connect Safety Pin

| Size | Galvanized Steel Part # |
|---|---|
| 12" | SP290 |



## Type B

**Application**
- Used primarily on irrigation and suction lines

**Features**
- Hot dipped, galvanized
- Has a double pin locking lever for smooth closing action
- Type B (Bauer style) locks on the male side
- Each coupler is equipped with a safety pin to prevent accidental openings.
- These fittings are not recommended for chemicals or any hazardous type materials where the possibility of leakage would result in health or environmental concerns, consult Dixon for recommendations



### Male x Hose Shank

| Size | Galvanized Steel Part # |
|---|---|
| 2" | MC3092 |
| 3" | MC3093 |
| 4" | MC3094 |
| 6" | MC3096 |
| 8" | MC3098 |
| 10" | MC30910[1] |
| 12" | MC30912[1] |

[1] 10" and 12" supplied with ACB304 lever assist bar on page 386



### Male with Male NPT

| Size | Galvanized Steel Part # |
|---|---|
| 2" | MCM3112 |
| 3" | MCM3113 |
| 4" | MCM3114 |
| 6" | MCM3116 |
| 8" | MCM3118 |

### Female x Hose Shank

**Feature**
- Supplied with gasket



| Size | Galvanized Steel Part # |
|---|---|
| 2" | FC3102 |
| 3" | FC3103 |
| 4" | FC3104 |
| 6" | FC3106 |
| 8" | FC3108 |
| 10" | FC31010 |
| 12" | FC31012 |

### Female with Male NPT

**Feature**
- Supplied with gasket



| Size | Galvanized Steel Part # |
|---|---|
| 2" | FCM3122 |
| 3" | FCM3123 |
| 4" | FCM3124 |
| 6" | FCM3126 |

## Type B

### Male with Machined Hose Shank

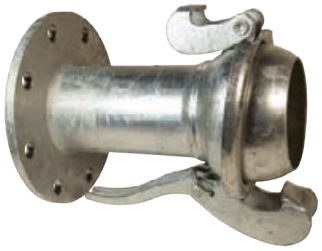
**Features**

- Dixon® combination nipple style hose shank machined from Schedule 40 pipe
- Recommended for use with steel King Crimp® sleeves



| Size | Galvanized Steel Part # |
|---|---|
| 2" | MC3092ST25 |
| 3" | MC3093ST35 |
| 4" | MC3094ST40 |
| 6" | MC3096ST60 |
| 8" | MC3098ST80 |

### Male x 150# ASA Flange



| Size | Galvanized Steel Part # |
|---|---|
| 4" | MC3134 |
| 6" | MC3136 |
| 8" | MC3138 |
| 10" | MC31310[1] |
| 12" | MC31312[1] |

[1] 10" and 12" supplied with ACB304 lever assist bar on page 386

NOTE: For flange dimensions, diagrams, and additional information please reference dixonvalve.com.

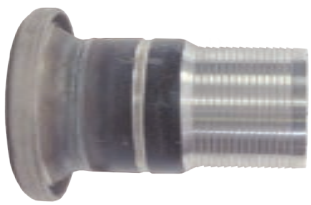
### Male Weld-On



| Size | Unplated Steel Part # |
|---|---|
| 2" | 3032 |
| 3" | 3033 |
| 4" | 3034 |
| 6" | 3036 |
| 8" | 3038 |
| 10" | 30310 |
| 12" | 30312 |

NOTE: Female and male fittings are commonly used for butt-welding to pipe

### Heavy Duty Female x Dixon Combination Nipple Hose Shank



| Size | Galvanized Steel Part # |
|---|---|
| 2" | FC3102ST25 |
| 3" | FC3103ST35 |
| 4" | FC3104ST40 |
| 6" | FC3106ST60 |
| 8" | FC3108ST80 |



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## Type B

### Female x 150# ASA Flange



**Feature**
- Supplied with gasket

| Size | Galvanized Steel Part # |
|---|---|
| 4" | FC3144 |
| 6" | FC3146 |
| 8" | FC3148 |
| 10" | FC31410 |
| 12" | FC31412 |

NOTE: For flange dimensions, diagrams and additional information please reference dixonvalve.com.



### Female Weld-On with Gasket



**Feature**
- Supplied with gasket

| Size | Unplated Steel Part # |
|---|---|
| 2" | 3022 |
| 3" | 3023 |
| 4" | 3024 |
| 6" | 3026 |
| 8" | 3028 |
| 10" | 30210 |
| 12" | 30212 |

### Male x Female 90° Elbow



**Feature**
- Supplied with gasket

| Size | Galvanized Steel Part # |
|---|---|
| 4" | EL3154-90 |
| 6" | EL3156-90 |
| 8" | EL3158-90 |
| 10" | EL31510-90[1] |
| 12" | EL31512-90[1] |

[1] 10" and 12" supplied with ACB304 lever assist bar on page 386

### Male x Female 45° Elbow



**Feature**
- Supplied with gasket

| Size | Galvanized Steel Part # |
|---|---|
| 4" | EL3154-45 |
| 6" | EL3156-45 |
| 8" | EL3158-45 |
| 10" | EL31510-45[1] |
| 12" | EL31512-45[1] |

[1] 10" and 12" supplied with ACB304 lever assist bar on page 386

# Type B

## Female x Male Reducer

**Feature**
- Supplied with gasket

| Female Size | Male Size | Galvanized Steel Part # |
|---|---|---|
| 6" | 4" | FMR31864 |
| 8" | 6" | FMR31886 |
| 10" | 8" | FMR318108[1] |
| 12" | 10" | FMR3181210[1] |

[1] 10" and 12" supplied with ACB304 lever assist bar on page 386



## Female x Male Increaser

**Feature**
- Supplied with gasket

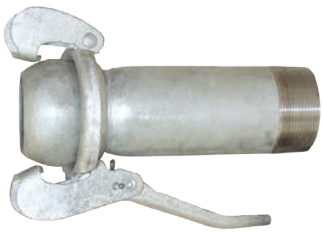
| Female Size | Male Size | Galvanized Steel Part # |
|---|---|---|
| 4" | 6" | FMI31946 |
| 6" | 8" | FMI31968 |
| 8" | 10" | FMI319810 |
| 10" | 12" | FMI3191012[1] |

[1] 10" and 12" supplied with ACB304 lever assist bar on page 386



## Male with Male NPT- extra long

| Size | Galvanized Steel Part # |
|---|---|
| 2" | MCM3112XL |
| 3" | MCM3113XL |
| 4" | MCM3114XL |
| 6" | MCM3116XL |
| 8" | MCM3118XL |



## Male Plugs

| Size | Galvanized Steel Part # |
|---|---|
| 2" | MP3232 |
| 3" | MP3233 |
| 4" | MP3234 |
| 6" | MP3236 |
| 8" | MP3238 |
| 10" | MP32310[1] |
| 12" | MP32312[1] |

[1] 10" and 12" supplied with ACB304 lever assist bar on page 386



# Type B

## Female Plugs

**Feature**
- Supplied with gasket



| Size | Galvanized Steel Part # |
|---|---|
| 2" | FP3082 |
| 3" | FP3083 |
| 4" | FP3084 |
| 6" | FP3086 |
| 8" | FP3088 |
| 10" | FP30810 |
| 12" | FP30812 |



## Lever Rings



| Size | Galvanized Steel Part # |
|---|---|
| 2" | LR3042 |
| 3" | LR3043 |
| 4" | LR3044 |
| 6" | LR3046 |
| 8" | LR3048 |
| 10" | LR30410 |
| 12" | LR30412 |

## Lever Assist Bar



| Size | Description | Galvanized Steel Part # |
|---|---|---|
| 10" and 12" | lever assist bar for type B fittings | ACB304 |

## Gaskets



| Size | Rubber Part # | EPDM Part # |
|---|---|---|
| 2" | RG3052 | RG3062 |
| 3" | RG3053 | RG3063 |
| 4" | RG3054 | RG3064 |
| 6" | RG3056 | RG3066 |
| 8" | RG3058 | RG3068 |
| 10" | RG30510 | RG30610 |
| 12" | RG30512 | RG30612 |

## Quick Connect Safety Clips



2" - 8"



10" - 12"

| Size | Galvanized Steel Part # |
|---|---|
| 2" | SP59 |
| 3" | SP76 |
| 4" | SP89 |
| 6" | SP159 |
| 8" | SP159 |
| 10" | SP390 |
| 12" | SP390 |

# Polyethylene Crimp Bauer Style - Type A

## Male

**Application**
- The primary application for these fittings are irrigation and suction lines

**Features**
- Pins sold separately
- Locks are on the female size

| Size | Galvanized in Centrifugation Part # |
|---|---|
| 12" | MC21112-PC |





## Female

**Application**
- The primary application for these fittings are irrigation and suction lines

**Feature**
- Includes gasket

| Size | Galvanized in Centrifugation Part # |
|---|---|
| 12" | FC21212-PC |



## Polyethylene Crimp Bauer Style - Type B

### Male



**Application**
- The primary application for these fittings are irrigation and suction lines

**Feature**
- Pins sold separately

| Size | Galvanized in Centrifugation Part # |
|---|---|
| 4" | MC3094-PC |
| 6" | MC3096-PC |
| 8" | MC3098-PC |
| 12" | MC30912-PC |



### Female



**Application**
- The primary application for these fittings are irrigation and suction lines

**Features**
- Locks on the female size
- Includes gasket

| Size | Galvanized in Centrifugation Part # |
|---|---|
| 4" | FC3104-PC |
| 6" | FC3106-PC |
| 8" | FC3108-PC |
| 12" | FC31012-PC |

# Strainers

**Application**

- Used on the submersed end of suction hose to prevent debris from entering the pump during operation

## Round Hole Strainers

| NPSM Size | Zinc Plated Steel Part # | 304 Stainless Steel Part # |
|---|---|---|
| 3/4" | RHS5 | --- |
| 1" | RHS10 | --- |
| 1-1/2" | RHS20 | RRHS20 |
| 2" | RHS25 | RRHS25 |
| 2-1/2" | RHS30 | --- |
| 3" | RHS35 | RRHS35 |
| 4" | RHS40 | RRHS40 |
| 6" | RHS60 | RRHS60 |
| 8" | RHS80 | --- |
| 10" | RHS100 | --- |
| 12" | RHS120 | --- |



zinc plated steel



304 stainless steel

## Square Hole Strainers

| NPSM Size | Zinc Plated Steel Part # |
|---|---|
| 2" | SHS25 |
| 3" | SHS35 |
| 4" | SHS40 |
| 6" | SHS60 |
| 8" | SHS80 |
| 10" | SHS100 |
| 12" | SHS120 |



## Polypropylene Strainers

| NPT Size | Black Polypropylene with 30% fiberglass Part # |
|---|---|
| 1-1/2" | TSS20 |
| 2" | TSS25 |
| 3" | TSS35 |
| 4" | TSS40 |



## Round Hole Long Strainers

| NPSM Size | Zinc Plated Steel Part # |
|---|---|
| 1-1/2" | RSS20 |
| 2" | RSS25 |
| 3" | RSS35 |
| 4" | RSS40 |



## Skimmers



### Round Hole Bottom Skimmers

| NPSM Size | Zinc Plated Steel Part # |
|---|---|
| 1-1/2" | DSB20 |
| 2" | DSB25 |
| 3" | DSB35 |



### Round Hole Top Skimmers

| NPSM Size | Zinc Plated Steel Part # |
|---|---|
| 1-1/2" | DST20 |
| 2" | DST25 |
| 3" | DST35 |

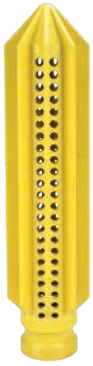
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New

## Flexible Strainers



FLSS200



FLSS200-A

**Applications**
- Used on the submerged end of the suction hose to prevent debris from entering the pump during operation
- Open or underground areas, roadways, mining, or any area affected by excess water where pumping is required

**Features**
- Keeps your pumps running longer, saving you time and money
- Advanced flexible dewatering and filtration devices for harsh environments
- Designed to survive in hostile and high traffic environments
- Can withstand extreme conditions such as being run over by vehicles and machinery
- Costs less than conventional strainers, saving time in cleaning and replacements
- Vulcanised polymers eliminates sharp edges
- Lightweight and flexible design provides less impact when in contact with personnel or machinery
- Quick and easy to clean
- Protect the pump leading to less downtime, personnel intervention, and repair and maintenance
- For other end configurations: NPT and NST, contact Dixon

**Material**
- Elastomeric polymers

**Specifications**
- Flow rate: **224 GPM**
- Minimum temperature: **-87°F (-66°C)**
- Maximum temperature: **212°F (100°C)**

**Approval**
- Manufactured in accordance to ISO:9001

| Size | Hose Barb | Hole | Width | Length | Description | Part # |
|---|---|---|---|---|---|---|
| 2" | 2" | 8 mm | 3-1/2" | 14.57" | flexible strainer | FLSS200 |
| | --- | | | | flexible strainer without hose barb | FLSS200-A |

### BSP Filters

| Size | Thread Size | Hole | Width | Length | Description | Part # |
|---|---|---|---|---|---|---|
| 2" | 1-1/2" | 3 mm | 63 mm | 370 mm | flexible strainer with female BSP | FLSS200-BSP3 |
| | | 5 mm | | | | FLSS200-BSP5 |
| | | 8 mm | | | | FLSS200-BSP8 |

### NPT Filters

| Size | Thread Size | Hole | Width | Length | Description | Part # |
|---|---|---|---|---|---|---|
| 2" | 1-1/2" | 3 mm | 63 mm | 370 mm | flexible strainer with female NPT | FLSS200-NPT3 |
| | | 5 mm | | | | FLSS200-NPT5 |

# Foot Valves

**Application**

- For use on water suction hose to prevent pump from losing its prime
- Must be installed in the vertical position
- For water service only
- Not for compressed air or other compressible gases



| NPT Size | Painted Cast Iron Part # |
|---|---|
| 1-1/2" | DFVS20 |
| 2" | DFVS25 |
| 2-1/2" | DFVS30 |
| 3" | DFVS35 |
| 4" | DFVS40 |
| 6" | DFVS60 |
| 8" | DFVS80 |

## Strainers



| Size | Painted Cast Iron Part # |
|---|---|
| 1-1/2" | FVS20 |
| 2" | FVS25 |
| 2-1/2" | FVS30 |
| 3" | FVS35 |
| 4" | FVS40 |
| 6" | FVS60 |
| 8" | FVS80 |

## Flapper Assemblies



| Size | Painted Cast Iron / Rubber Part # |
|---|---|
| 1-1/2" | FVFA20 |
| 2" | FVFA25 |
| 2-1/2" | FVFA30 |
| 3" | FVFA35 |
| 4" | FVFA40 |
| 6" | FVFA60 |
| 8" | FVFA80 |

## Flapper Gaskets



| Size | Rubber Part # |
|---|---|
| 1-1/2" | FVL20 |
| 2" | FVL25 |
| 2-1/2" | FVL30 |
| 3" | FVL35 |
| 4" | FVL40 |
| 6" | FVL60 |
| 8" | FVL80 |

## Seat Plates



| Size | Painted Cast Iron Part # |
|---|---|
| 1-1/2" | FVSP20 |
| 2" | FVSP25 |
| 2-1/2" | FVSP30 |
| 3" | FVSP35 |
| 4" | FVSP40 |
| 6" | FVSP60 |

## Washdown / Mixing Stations .....393 - 394

Water-steam washdown station .....393
Bronze hot and cold water mixing station.....393
Rack for mixing station.....393
Steam and cold water mixing station .....394
Stainless steel hot and cold water mixing station.....394
Hot or cold water mixing station.....394

## Washdown Nozzles.....395 - 398

Thermal-Gard™ elevated temperature spray.....395
Swivel connectors for washdown spray guns.....395
- Ball type swivel x hose shank.....395
- Straight swivel x hose shank.....395
- Straight swivel x GHT thread .....395

Hot water washdown spray.....396
Lite washdown spray .....396
Mini spray .....397
Spray.....397
Washdown wand.....397
Temperature indicating spray .....398
Stainless steel industrial grade spray.....398
Brass industrial grade front lever spray.....398

## Pressure Washing .....399 - 409

E-Series hydraulic couplings ..... 399 - 401
Spray guns.....402
- Anti-fatigue .....402
- Pressure.....402
- Heavy duty anti-fatigue.....402
- Pressure with extension .....402
- Pressure with hose, nozzle & lance.....402

Spray lances and extensions for pressure gun .....403
- Spray lances .....403
- Dual spray lances .....403
- Molded grip extensions.....403
- Vented grip lances.....403

Telescoping lance and belt for pressure gun .....404
Swiveling quick couplings .....404
Fixed plugs .....405
Sewer nozzles .....405
Injector nozzles.....405
Line strainer.....405
High pressure spray soap nozzles.....406
High pressure spray nozzles .....406
Quick connect soap nozzle .....406
Quick connect spray nozzle .....406
Multi-pack quick connect nozzles.....406
Multi-pack high pressure spray nozzles .....406
Turbo nozzles .....408
Nozzle holders.....408
Inlet filter for turbo nozzles .....408
Balance release valve .....408
Water broom .....408
Unloader valves.....409
Thermal relief valve.....409
Safety release valve .....409
Braided hose.....409
Hand crank hose reel .....409

## Garden Hose and Fittings.....410 - 424

Hose..... 410 - 411
Fog nozzles .....412
Hydrant adpaters .....412
Washers.....412
Sweeper .....413
Water .....413
- Flexible.....413
- Brass / rubber power flow .....413
- Heavy duty hot water .....413
- Insulated .....413
- Pistol-grip.....413

Twist .....413
Adjust-A-Power.....414
Constant flow nozzle displays .....414
Constant flow nozzle with bumper .....414
Plain hose nozzle .....414
Compression bibb faucet .....415
Quick connect assembly .....415
Valves .....416
Y .....416
Manifold.....417
Back flow preventer .....417
Radiator bibb.....417
Gooseneck.....417
GHT zinc .....418
Spray valve and hose assembly.....418
Spray hose.....419
Standard shanks ..... 419 - 420
Short shanks .....421
Long shank .....422
Garden hose cap .....422
Garden hose round nut with knurl.....422
Garden hose hex nut with knurl.....422
GHT adapters ..... 423 - 424

## Water-Steam Washdown Station

**Application**
- Fail-safe mixing station safely blends steam and cold water for hot water on demand. Should cold water fail, the steam is instantly shut-off

**Features**
- Globe style control valves
- Dial thermometer
- In-line check valves
- 3/4" inlet and outlet
- Mounting plate and hardware for wall mounting

**Material**
- Stainless steel hose rack

**Specifications**
- Maximum operating pressure: **150 PSI**
- Maximum temperature: **200°F (93°C)**

| Bronze Part # |
|---|
| SWDS |



Station is not supplied with hose and nozzle

**Pressure Requirements**

| Steam Pressure | | Water Pressure | |
|---|---|---|---|
| Minimum **80 PSI** | Maximum **90 PSI** | Minimum **50 PSI** | Maximum **80 PSI** |

## Hot and Cold Water Mixing Station

**Features**
- Globe style control valves
- In-line check valves
- 3/4" inlet and outlet
- Mounting plate and hardware for wall mounting

**Material**
- Stainless steel hose rack

**Specifications**
- Maximum operating pressure: **150 PSI**
- Maximum temperature: **200°F (93°C)**

| Bronze Part # |
|---|
| WDS1 |



Station is not supplied with hose and nozzle

## Rack for Mixing Station

**Features**
- Supplied with mounting hardware
- Rack fits SWDS and WDS1 mixing stations
- Holds 50' of 3/4" heavy duty industrial grade hose

**Materials**
- Stainless steel lag screws
- Solid brass mounting crowns

| Stainless Steel Part # |
|---|
| WDSR |





## Steam and Cold Water Mixing Station

**Application**
- Front line mixing unit

**Features**
- New innovative design that provides secondary outlet for piping
- Unit is convenient and safe and allows easy maintenance
- Operates with as little as **30 PSI**
- Control valves (globe style)
- 3/4" inlet and outlet
- Temperature gauge (optional, stainless steel)
- Stainless steel mixer body, check valves, and hose rack
- Mounting plate and hardware for wall mounting

**Specifications**
- Maximum operating pressure: **150 PSI**
- Maximum temperature: **200°F (93°C)**

| 304 Stainless Steel Part # |
|---|
| SWDS-SS |





## Hot and Cold Water Mixing Station

**Features**
- Control valves (globe style)
- 3/4" inlet and outlet
- Temperature gauge (optional, stainless steel)
- Stainless steel hose rack
- Mounting plate and hardware for wall mounting

**Specifications**
- Maximum operating pressure: **150 PSI**
- Maximum temperature: **200°F (93°C)**

| 304 Stainless Steel Part # |
|---|
| WDS1-SS |



## Hot or Cold Water Mixing Station

**Features**
- Control valves (globe style)
- 3/4" inlet and outlet
- Temperature gauge (optional, stainless steel)
- Stainless steel hose rack
- Mounting plate and hardware for wall mounting

**Specifications**
- Maximum operating pressure: **150 PSI**
- Maximum temperature: **200°F (93°C)**

| 304 Stainless Steel Part # |
|---|
| WDS0-SS |

## Thermal-Gard™ Elevated Temperature Spray Nozzle

### Features
- Thermal-Gard™ elevated temperature spray nozzle protects the operator from extreme hot water temperatures that exceed the comfort zone of standard hot water nozzles
- Assembly includes required special rigid, stainless steel adapter, (3/8" male NPT x 1/2" female NPT)
- Thermal insulating sleeve reduces overall heat during elevated temperature conditions.
- Stainless steel lever handle is coated for additional thermal protection and operator comfort
- Lightweight aluminum alloy body reduces overall weight
- Aluminum alloy body is electroless nickel plated for additional corrosion protection
- 3/8" female NPT inlet
- Black cover
- See pages 409 - 411 for washdown hose



### Specifications
- Recommended for water temperatures above **140°F (60°C)** to a maximum temperature of **200°F (93°C)**
- **12.5 GPM** flow capacity
- Working pressure: **150 PSI**

| Aluminum Part # |
|---|
| AWSG-TG |

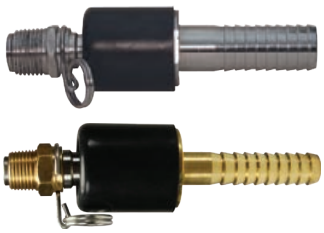
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## Swivel Connectors for Washdown Spray Guns

### Ball Type Swivel x Hose Shank

### Features
- Swivel connector for stainless spray nozzles
- 360° ball type swivel adapter helps prevent hose kinking

| NPT | Hose I.D. | Brass Part # | 300 Stainless Steel Part # |
|---|---|---|---|
| 1/2" | 1/2" | --- | SSA44 |
| | 5/8" | --- | SSA54 |
| | 3/4" | --- | SSA64 |
| 3/8" | 1/2" | BSA34 | --- |



### Straight Swivel x Hose Shank

### Features
- Swivel body
- Gasket: EPDM

| NPT | Hose I.D. | Brass Part # | Stainless Steel Part # |
|---|---|---|---|
| 1/2" | 1/2" | BNS44 | BNS44SS |
| | 3/4" | BNS64 | BNS64SS |



### Straight Swivel x GHT Thread

| NPT | Female GHT | Brass Part # |
|---|---|---|
| 1/2" | 3/4" | BMAS974 |



## Hot Water Washdown Spray Nozzles



**Application**
- For low pressure cleaning, tank and drum cleaning, and chemical manufacturing

**Features**
- Designed for operator comfort
- Variable spray pattern from conical spray to solid stream
- Hose connects at base of gun for easy maneuvering
- 1/2" female NPT inlet
- Do not use with steam lines

**Specifications**
- Rubber coated handle protects hands from water temperatures to **150°F (66°C)**
- **12.5 GPM** flow capacity at **150 PSI**

| Cover Color | Brass Part # | Aluminum Part # |
|---|---|---|
| black | BWSG | AWSG |
| white | BWSG-W | AWSG-W |

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## Lite Washdown Spray Nozzles



LWSG-W



LWSG-B

**Application**
- For use where reduced size and / or flow rate is preferred

**Features**
- More compact and lighter than standard nozzle
- Special formulated rubber cover for durability and easy replacement
- 3/8" female NPT inlet

**Specifications**
- **9.0 GPM** flow capacity at **100 PSI**
- Pressure rating: **150 PSI**
- Temperature rating **200°F (93°C)**

| Cover Color | Brass Part # |
|---|---|
| blue | LWSG-B |
| white | LWSG-W |

## Mini Spray Nozzle



### Features
- 1/2" female NPT inlet
- Not for use with steam
- Designed as an industrial lightweight nozzle with heavyweight performance
- Durable dark blue cover protects user from hot surfaces produced by high temperature wash down applications
- Reduces hand fatigue and provides smooth lever action
- Variable spray patterns from fan spray to solid stream
- Drip-free automatic shutoff feature

### Specifications
- Pressure rating **150 PSI** at **200°F (93°C)**
- Flow: **9.6 GPM** at 100 PSIG

| Stainless Steel Part # |
|---|
| DM150SDB |

## Spray Nozzle





### Features
- 1/2" female NPT inlet
- Designed to prevent accidental spray
- Durable dark blue cover prevents front-mounted lever from being accidentally activated if nozzle is dropped
- Reduces hand fatigue and provides smooth lever action
- Trigger locking mechanism provides safe and secure method of keeping the nozzle open during any spray pattern
- Variable spray patterns from fan spray to solid stream
- Drip-free automatic shut-off feature
- Can be used with D150S-WAND

### Specifications
- Rated to **150 PSI** at **200°F (93°C)**
- **9.6 GPM** flow capacity at 100 PSIG

| Stainless Steel Part # |
|---|
| D150SDB |

## Washdown Wand



### Features
- Designed to provide user with a means of reaching desired washdown locations previously deemed unreachable by extending the nozzle by 3'
- Adjustable spray tip can be changed from fan to solid spray by twisting the tip until the desired flow pattern is achieved
- Quick disconnect feature allows user to quickly connect wand to the nozzles above
- Designed to only fit the D150SDB nozzle
- Wand is not for use with steam

### Specification
- Minimum pressure is **75 PSI**

| 300 Series Stainless Steel Part # |
|---|
| D150S-WAND |

## Temperature Indicating Spray Nozzle



**Features**
- Easy-to-read dial thermometer at rear of the nozzle provides accurate and continual monitoring of water temperature
- Plastic sight window
- Gauge assembly is recessed into the rubber cover for complete protection
- Alerts the operator to shut-down the steam valve upon cold water failure, preventing scalding and steam burn injuries ensuring operator safety
- Ensures a more accurate discharge water temperature reading
- 1/2" female NPT inlet
- Black cover

**Specifications**
- Recommended for water temperatures to **200°F (93°C)**
- Maximum operating pressure: **150 PSI**
- **12.5 GPM** flow capacity

| Bronze<br>Part # |
|---|
| BWSG-TI |



## Stainless Steel Industrial Grade Spray Nozzle



**Application**
- Recommended for use in corrosive applications where bronze and aluminum nozzles are not suitable

**Features**
- Heavy duty 300 series stainless steel body and barrel
- Variable spray pattern adjusts from a soft spray to a solid stream
- Replaceable rubber cover is specially formulated to resist a wide range of oils and chemicals and protect surrounding equipment
- 1/2" female NPT inlet

**Specifications**
- Maximum operating pressure: **150 PSI**
- Maximum flow: **12.5 GPM** at **150 PSI**
- Maximum temperature: **200°F (93°C)**

| 300 Stainless Steel<br>Part # |
|---|
| 300SSSG |

## Brass Industrial Grade Front Lever Spray Nozzle



**Features**
- Provides effortless one hand operation; by actuating the operating lever the valve is opened/closed and the jet power is regulated from spray to concentrated jet
- Adjusting screw on back of gun allows you to fix the desired form of jet, fixing clamp for the operating lever allows lockable position for service
- 1/2" female NPT inlet
- Durable blue rubber cover

**Specifications**
- Maximum operating pressure: **350 PSI**
- Suitable for hot water up to **122°F (50°C)**
- Flow: **6.6 GPM** at **72 PSI**

| Brass<br>Part # |
|---|
| DWG050 |

# E-Series Hydraulic Couplings

**Features**

- Couplers have no internal valves, which provide maximum flow with minimum pressure drop
- Contact Dixon® for additional seal material options, pressure ratings, and other technical information
- Interchanges with Parker ST, Hannifin SST/BST, Foster FST, Hansen ST, and Tomco ST couplings
- Do not disconnect with pressure in line

**Specification**

- Nitrile rubber seals are standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

## Straight-Through Female Threaded Couplers

| Body Size | Threads | Brass | | 303 Stainless Steel | |
|---|---|---|---|---|---|
| | | Previous Part # | Part # | Previous Part # | Part # |
| 1/8" | 1/8" - 27 NPTF | --- | 1EF1-B | --- | 1EF1-S |
| 1/4" | 1/4" - 18 NPTF | STFC2 | 2EF2-B | STFC2SS | 2EF2-S |
| | 1/4" - 19 BSPP | --- | 2EBF2-B | --- | --- |
| 3/8" | 3/8" - 18 NPTF | STFC3 | 3EF3-B | STFC3SS | 3EF3-S |
| | 3/8" - 19 BSPP | --- | 3EBF3-B | --- | --- |
| 1/2" | 1/2" - 14 NPTF | STFC4 | 4EF4-B | STFC4SS | 4EF4-S |
| | 1/2" - 14 BSPP | --- | 4EBF4-B | --- | --- |
| 3/4" | 3/4" - 14 NPTF | STFC6 | 6EF6-B | STFC6SS | 6EF6-S |
| | 3/4" - 14 BSPP | --- | 6EBF6-B | --- | --- |
| 1" | 1" - 11-1/2 NPTF | STFC8 | 8EF8-B | STFC8SS | 8EF8-S |
| | 1" - 11 BSPP | --- | 8EBF8-B | --- | --- |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | STFC10 | 10EF10-B | --- | 10EF10-S |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | STFC12 | 12EF12-B | --- | 12EF12-S |
| 2" | 2" - 11-1/2 NPTF | STFC16 | 16EF16-B | --- | 16EF16-S |



brass



303 stainless

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## Straight-Through Male Threaded Couplers

| Body Size | Threads | Brass | | 303 Stainless Steel | |
|---|---|---|---|---|---|
| | | Previous Part # | Part # | Previous Part # | Part # |
| 1/8" | 1/8" - 27 NPTF | --- | 1EM1-B | --- | 1EM1-S |
| 1/4" | 1/4" - 18 NPTF | STMC2 | 2EM2-B | STMC2SS | 2EM2-S |
| 3/8" | 3/8" - 18 NPTF | STMC3 | 3EM3-B | STMC3SS | 3EM3-S |
| 1/2" | 1/2" - 14 NPTF | STMC4 | 4EM4-B | STMC4SS | 4EM4-S |
| 3/4" | 3/4" - 14 NPTF | STMC6 | 6EM6-B | STMC6SS | 6EM6-S |
| 1" | 1" - 11-1/2 NPTF | STMC8 | 8EM8-B | STMC8SS | 8EM8-S |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | STMC10 | 10EM10-B | --- | --- |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | STMC12 | 12EM12-B | --- | --- |
| 2" | 2" - 11-1/2 NPTF | STMC16 | 16EM16-B | --- | --- |



brass



303 stainless

## Straight-Through Hose Barb Couplers

| Body Size | Hose I.D. | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | 2ES2-B |
| 3/8" | 3/8" | 3ES3-B |
| 1/2" | 1/2" | 4ES4-B |
| 3/4" | 3/4" | 6ES6-B |
| 1" | 1" | 8ES8-B |



# E-Series Hydraulic Couplings

## Straight-Through Female Threaded Plugs



steel



brass

| Body Size | Threads | Steel | | Brass | |
|---|---|---|---|---|---|
| | | Previous Part # | Part # | Previous Part # | Part # |
| 1/8" | 1/8" - 27 NPTF | --- | E1F1 | --- | E1F1-B |
| 1/4" | 1/4" - 18 NPTF | STFP2 | E2F2 | STFP2B | E2F2-B |
| | 1/4" - 19 BSPP | --- | --- | --- | E2BF2-B |
| 3/8" | 3/8" - 18 NPTF | STFP3 | E3F3 | STFP3B | E3F3-B |
| | 3/8" - 19 BSPP | --- | --- | --- | E3BF3-B |
| 1/2" | 1/2" - 14 NPTF | STFP4 | E4F4 | STFP4B | E4F4-B |
| | 1/2" - 14 BSPP | --- | --- | --- | E4BF4-B |
| 3/4" | 3/4" - 14 NPTF | --- | E6F6 | --- | E6F6-B |
| | 3/4" - 14 BSPP | --- | --- | --- | E6BF6-B |
| 1" | 1" - 11-1/2 NPTF | STFP8 | E8F8 | STFP8B | E8F8-B |
| | 1" - 11 BSPP | --- | --- | --- | E8BF8-B |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | STFP10 | E10F10 | --- | E10F10-B |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | STFP12 | E12F12 | --- | E12F12-B |
| 2" | 2" - 11-1/2 NPTF | STFP16 | E16F16 | --- | E16F16-B |



| Body Size | Threads | 303 Stainless Steel | |
|---|---|---|---|
| | | Previous Part # | Part # |
| 1/8" | 1/8" - 27 NPTF | --- | E1F1-S |
| 1/4" | 1/4" - 18 NPTF | STFP2SS | E2F2-S |
| 3/8" | 3/8" - 18 NPTF | STFP3SS | E3F3-S |
| 1/2" | 1/2" - 14 NPTF | STFP4SS | E4F4-S |
| 3/4" | 3/4" - 14 NPTF | --- | E6F6-S |
| 1" | 1" - 11-1/2 NPTF | STFP8SS | E8F8-S |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | --- | E10F10-S |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | --- | E12F12-S |
| 2" | 2" - 11-1/2 NPTF | --- | E16F16-S |

## Straight-Through Male Threaded Plugs



steel



brass

| Body Size | Threads | Steel | | Brass | |
|---|---|---|---|---|---|
| | | Previous Part # | Part # | Previous Part # | Part # |
| 1/8" | 1/8" - 27 NPTF | --- | E1M1 | --- | E1M1-B |
| 1/4" | 1/4" - 18 NPTF | STMP2 | E2M2 | STMP2B | E2M2-B |
| 3/8" | 3/8" - 18 NPTF | STMP3 | E3M3 | STMP3B | E3M3-B |
| 1/2" | 1/2" - 14 NPTF | STMP4 | E4M4 | STMP4B | E4M4-B |
| 3/4" | 3/4" - 14 NPTF | STMP6 | E6M6 | STMP6B | E6M6-B |
| 1" | 1" - 11-1/2 NPTF | STMP8 | E8M8 | STMP8B | E8M8-B |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | STMP10 | E10M10 | --- | E10M10-B |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | STMP12 | E12M12 | --- | E12M12-B |
| 2" | 2" - 11-1/2 NPTF | STMP16 | E16M16 | --- | E16M16-B |



| Body Size | Threads | 303 Stainless Steel | |
|---|---|---|---|
| | | Previous Part # | Part # |
| 1/8" | 1/8" - 27 NPTF | --- | E1M1-S |
| 1/4" | 1/4" - 18 NPTF | STMP2SS | E2M2-S |
| 3/8" | 3/8" - 18 NPTF | STMP3SS | E3M3-S |
| 1/2" | 1/2" - 14 NPTF | STMP4SS | E4M4-S |
| 3/4" | 3/4" - 14 NPTF | STMP6SS | E6M6-S |
| 1" | 1" - 11-1/2 NPTF | STMP8SS | E8M8-S |

# E-Series Hydraulic Couplings

## Straight-Through Hose Barb Plugs

| Body Size | Hose I.D. | Steel Part # | Brass Part # |
|---|---|---|---|
| 1/4" | 1/4" | E2S2 | E2S2-B |
| 3/8" | 3/8" | E3S3 | E3S3-B |
| 1/2" | 1/2" | E4S4 | E4S4-B |
| 3/4" | 3/4" | E6S6 | E6S6-B |
| 1" | 1" | E8S8 | E8S8-B |



steel



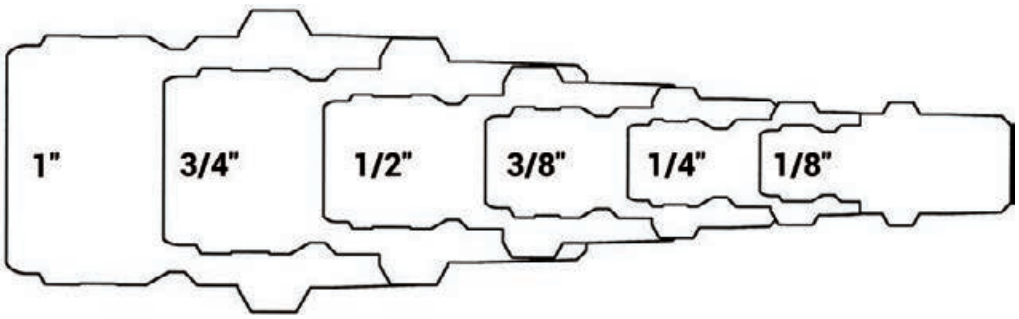
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## Straight-Through Coupler Seal Kits

| Body Size | Coupler Style | Seal Kit Contents | Nitrile Part # | FKM Part # | EPDM Part # |
|---|---|---|---|---|---|
| 1/4" | all | body O-ring | 2E-SKIT | F-2E-SKIT | P-2E-SKIT |
| 3/8" | all | body O-ring | 3E-SKIT | F-3E-SKIT | P-3E-SKIT |
| 1/2" | all | body O-ring | 4E-SKIT | F-4E-SKIT | P-4E-SKIT |
| 3/4" | all | body O-ring | 6E-SKIT | F-6E-SKIT | P-6E-SKIT |
| 1" | all | body O-ring | 8E-SKIT | F-8E-SKIT | P-8E-SKIT |
| 1-1/4" | all | body O-ring | 10E-SKIT | F-10E-SKIT | P-10E-SKIT |
| 1-1/2" | all | body O-ring | 12E-SKIT | F-12E-SKIT | P-12E-SKIT |
| 2" | all | body O-ring | 16E-SKIT | F-16E-SKIT | P-16E-SKIT |

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## Plug Profiles




### Industry/Competitor Interchange

Foster FST
Parker ST
Hansen ST

# Spray Guns

## Anti-Fatigue Spray Gun



**Features**
- 3/8" female inlet
- 1/4" female outlet
- Anti-fatigue pressure compensating design

**Specification**
- Temperatures to: **320°F (160°C)**

| Maximum PSI | GPM | Part # |
|---|---|---|
| **5075** | **12.0** | HPSG |
| **5000** | **10.6** | HPSGW[1] |

[1] W = weeping, for the car wash industry, allows a small stream of water / leak

## Pressure Spray Gun



**Features**
- 3/8" female inlet
- 1/4" female outlet

**Specifications**
- Working pressure: **4500 PSI**
- Maximum temperature: **320°F (160°C)**

| GPM | Part # |
|---|---|
| **8** | HPSGL |

## Heavy Duty Anti-Fatigue Spray Gun



**Features**
- 3/8" female inlet
- 1/4" female outlet
- Heavy duty anti-fatigue design
- Stainless inner tube
- Zytel® housing

**Specifications**
- Working pressure: **5800 PSI**
- Maximum temperature: **320°F (160°C)**

| GPM | Part # |
|---|---|
| **8** | HPSGHD |

## Pressure Spray Gun with Extension



**Features**
- 3/8" female inlet
- 22 mm x 1.5 mm female outlet
- Extension length: 19"

**Specifications**
- Working pressure: **3700 PSI**
- Maximum temperature: **140°F (60°C)**

| GPM | Part # |
|---|---|
| **8** | AL9 |

## Pressure Spray Gun Kit with Hose, Nozzle & Lance



**Features**
- Lance: 18" with vari-spray nozzle 1.25 mm with 22 mm male inlet
- Hose: 25', 1/4" I.D. with 22 mm x 14 mm female ends
- Nozzle: 4.0 variable nozzle 0° to 80°

**Specification**
- Gun: 22 mm male inlet, 22 mm x 1.5 mm female outlet end, working pressure **2500 PSI**

| Part # |
|---|

# Spray Lances and Extensions for Pressure Gun

## Spray Lance

**Feature**
- For use with AL9 spray gun only on page 402

**Specifications**
- Maximum operating pressure: **5000 PSI**
- Maximum temperature: **300°F (149°C)**



| Length | Description | Zinc Part # |
|---|---|---|
| 24" | 22 mm x 1.4 mm male inlet x 1/4" male outlet | AL248 |

## Dual Spray Lances

**Features**
- For use with HPSG, HPSGC, HPSGHD, and HPSGW
- For soap and water
- Requires (1) high pressure nozzle and (1) soap nozzle on page 406
- Allows quick adjustment from high to low pressure with a twist of the handle; low pressure setting allows for use of soap

**Specifications**
- Maximum temperature: **300°F (149°C)**
- **10.5 GPM**



AL333



AL344

| Length | Description | Maximum Operating PSI | Part # |
|---|---|---|---|
| 40" | zinc, 1/4" male inlet (2) each 1/4" female outlets | **3,650** | AL333 |
| | stainless steel, 1/4" male inlet, (2) each 1/4" female outlets | **4,000** | AL344 |

## Molded Grip Extensions

**Feature**
- For use with HPSG, HPSGC, HPSGHD, and HPSGW

**Specifications**
- Maximum operating pressure: **5000 PSI**
- Temperature: **302°F (150°C)**
- **10.5 GPM** maximum



AL323 AL324 AL325 & AL326

| Length | Description | Zinc Part # |
|---|---|---|
| 24" | 1/4" male inlet x 1/4" male outlet | AL323XX |
| 36" | 1/4" male inlet x 1/4" male outlet, 4" space from the end | AL324XX |
| 48" | 1/4" male inlet x 1/4" male outlet, 2 grips | AL325XX |
| 59" | 1/4" male inlet x 1/4" male outlet, 2 grips | AL326XX |

## Vented Grip Lances

**Features**
- For use with HPSG, HPSGC, HPSGHD, and HPSGW
- For hot water

**Specifications**
- Maximum operating pressure: **5000 PSI**
- Maximum temperature: **300°F (149°C)**
- **10.5 GPM** maximum



AL361



AL362

| Length | Description | Zinc Part # |
|---|---|---|
| 36" | 1/4" male inlet x 1/4" female outlet, straight | AL361 |



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## Telescoping Lance and Belt for Pressure Gun



**Features**
- 3/8" female (pipe thread) inlet
- 1/4" female (quick connect) outlet
- Length is in three sections
- 1/4" steel braided hose

**Specifications**
- Maximum operating pressure: **4000 PSI**
- **7 GPM**
- Maximum temperature: **300°F (149°C)**

| Length | Aluminum Part # |
|---|---|
| 6' - 18' | ARTEL18A |

### Telescoping Lance Belt



**Feature**
- Adjusts to fit a 33" to 58" waist

| Nylon Part # |
|---|
| ARTEL-BELT |

## Swiveling Quick Couplings

**Specifications**
- Working pressure: **3650 PSI**
- **7.8 GPM**
- Maximum temperature: **300°F (149°C)**



### 1/4" swiveling quick couplings

| Description | Part # |
|---|---|
| 1/4" female x 22 mm x 1.5 mm swivel | AL450[1] |

[1] For use with AL456 only



| Description | Part # |
|---|---|
| 1/4" male x 22 mm x 1.5 mm swivel | AL451[2] |

[2] For use with AL464 only



### 3/8" swiveling quick couplings

| Description | Part # |
|---|---|
| 3/8" female x 22 mm x 1.5 mm swivel | AL453[1] |

[1] For use with AL456 only



| Description | Part # |
|---|---|
| 3/8" female inlet x 1/2" female outlet swivel | AL462[2] |

[2] For use with AL464 only

## Fixed Plugs

**Specifications**
- Working pressure: **3650 PSI**
- **7.8 GPM**
- Maximum temperature: **300°F (149°C)**



### 1/4" fixed quick coupling plugs

| Description | Part # |
|---|---|
| 1/4" female x 22 mm x 1.5 mm male | AL454[1] |

[1] For use with AL453 and AL9



| Description | Part # |
|---|---|
| 1/4" male x 22 mm x 1.5 mm male | AL455F[2] |

[2] For use with AL462 only

### 3/8" fixed quick coupling plugs



| Description | Part # |
|---|---|
| 3/8" female x 22 mm x 1.5 mm male | AL456[1] |

[1] For use with AL453 and AL9



| Description | Nickel Plated Brass Part # |
|---|---|
| 3/8" femalex 1/2" male plug | AL464[2] |

[2] For use with AL462 only

## Sewer Nozzles

**Specifications**
- Working pressure: **3625 PSI**
- Maximum temperature: **300°F (149°C)**



| Size | Orifice | 303 Stainless Steel Part # |
|---|---|---|
| 3/8" | 4.5 mm | SWNZ380-045 |
| | 5 mm | SWNZ380-050 |

## Injector Nozzles

**Features**
- Designed to inject cleaning solutions into high pressure discharge lines
- 3/8" male inlet and outlet

**Specification**
- Maximum working pressure: **4500 PSI**



AL477

| Description | Orifice | Flow (GPM) | Part # |
|---|---|---|---|
| adjustable | 1.8 mm | **2 - 8** | AL472 |
| adjustable | 2.1 mm | **3 - 8** | AL477 |
| adjustable | 2.3 mm | **4 - 8** | AL478 |

## Line Strainer

**Features**
- 1/2" female inlet, 1/2" male outlet
- .60 mesh cuffed filter
- 2 additional 1/4" side ports



**Specifications**
- Working pressure: **100 PSI**
- **8 GPM** maximum

| Aluminum Part # |
|---|

## High Pressure Spray Soap Nozzles



| Description | Brass Part # |
|---|---|
| 1/4" male inlet, 40° spray angle, size #40 | NZ4040S |
| 1/4" male inlet, 80° spray angle, size #40 | NZ8040S |

## High Pressure Spray Nozzles



| Description | Steel Part # |
|---|---|
| 1/4" male NPT inlet, 15° spray angle, size 4 | NZ1504 |
| 1/4" male NPT inlet, 25° spray angle, size 4 | NZ2504 |
| 1/4" male NPT inlet, 40° spray angle, size 4 | NZ4004 |

## Quick Connect Soap Nozzle



| Description | Brass Part # |
|---|---|
| 1/4" straight-through plug inlet, 65° spray angle, size #40 | NZ6540QCS |

NOTE: Use with 1/4" couplers on page 498

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## Quick Connect Spray Nozzles



| Description | Part # |
|---|---|
| 1/4" straight-through plug inlet, 0° spray angle, size #4, red | MSP400 |
| 1/4" straight-through plug inlet, 15° spray angle, size #4, yellow | MSP415 |
| 1/4" straight-through plug inlet, 25° spray angle, size #4, green | MSP425 |
| 1/4" straight-through plug inlet, 40° spray angle, size #4, white | MSP440 |

NOTE: Use with 1/4" couplers on page 498

## Multi-Pack Quick Connect Nozzles



| Description | Nozzles Included | Part # |
|---|---|---|
| 1/4", 65° spray angle, size #40 | NZ6540QCS | MSP4PAK |
| 1/4", 15° spray angle, size #4, yellow | MSP415 | |
| 1/4", 25° spray angle, size #4, green | MSP425 | |
| 1/4", 40° spray angle, size #4, white | MSP440 | |

## Multi-Pack High Pressure Spray Nozzles

**Features**

- 1/4" quick connect nozzle multi-packs include: 0° red, 15° yellow, 25° green, 40° white and 50° black soap nozzles
- 1/4" MEG nozzle multi-packs include: 0°, 15°, 25°, 40°, and 65° soap nozzles



| Nozzle Size | GPM @ PSI | | | | | | | | | Part # |
|---|---|---|---|---|---|---|---|---|---|---|
| | 800 | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 | 5000 | |
| 3.0 | 1.34 | 1.50 | 1.84 | 2.12 | 2.37 | 2.60 | 2.81 | 3.00 | 3.35 | NZMQC5P-030 |
| 3.5 | 1.57 | 1.75 | 2.14 | 2.47 | 2.77 | 3.03 | 3.27 | 3.50 | 3.91 | NZMQC5P-035 |
| 4.0 | 1.79 | 2.00 | 2.45 | 2.83 | 3.16 | 3.46 | 3.74 | 4.00 | 4.47 | NZMQC5P-040 |
| 4.5 | 2.01 | 2.25 | 2.76 | 3.18 | 3.56 | 3.90 | 4.21 | 4.50 | 5.03 | NZMQC5P-045 |
| 5.0 | 2.24 | 2.50 | 3.06 | 3.54 | 3.95 | 4.33 | 4.68 | 5.00 | 5.59 | NZMQC5P-050 |
| 5.5 | 2.46 | 2.75 | 3.37 | 3.89 | 4.35 | 4.76 | 5.14 | 5.50 | 6.15 | NZMQC5P-055 |
| 6.5 | 2.91 | 3.25 | 3.98 | 4.60 | 5.14 | 5.63 | 6.08 | 6.50 | 7.27 | NZMQC5P-065 |
| 8.0 | 3.58 | 4.00 | 4.90 | 5.66 | 6.32 | 6.93 | 7.48 | 8.00 | 8.94 | NZMQC5P-080 |



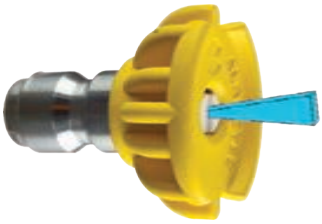
| Nozzle Size | GPM @ PSI | | | | | | | | | Part # |
|---|---|---|---|---|---|---|---|---|---|---|
| | 800 | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 | 5000 | |
| 3.5 | 1.57 | 1.75 | 2.14 | 2.47 | 2.77 | 3.03 | 3.27 | 3.50 | 3.91 | NZMMEG5P-035 |
| 4.0 | 1.79 | 2.00 | 2.45 | 2.83 | 3.16 | 3.46 | 3.74 | 4.0 | 4.47 | NZMMEG5P-040 |
| 4.5 | 2.01 | 2.25 | 2.76 | 3.18 | 3.56 | 3.90 | 4.21 | 4.50 | 5.03 | NZMMEG5P-045 |
| 5.0 | 2.24 | 2.50 | 3.06 | 3.54 | 3.95 | 4.33 | 4.68 | 5.00 | 5.59 | NZMMEG5P-050 |

## Spray Nozzle Selection Guidelines



### 0° Blasting Nozzle

- Removing caked on mud from heavy construction, farm or lawn equipment.
- Cleaning tar, glue, or stubborn stains from concrete
- Cleaning overhead areas
- Removing rust from steel and oxidation from aluminum



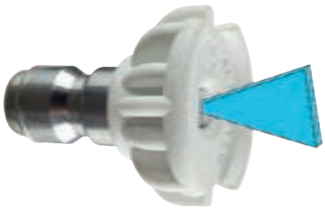
### 15° Stripping Nozzle

- Removing paint from wood, masonry or metal
- Removing grease or dirt from equipment
- Removing heavy mildew stains
- Removing marine growth from boats and marine equipment
- Removing rust from steel and oxidation from aluminum



### 25° Cleaning Nozzle

- General cleaning of dirt, mud and grime
- Cleaning roofs, gutters, and downspouts
- Removing light mildew stains
- Removing algae and bacteria build-up from pools
- Rinsing surfaces in preparation for painting



### 40° Washing Nozzle

- Light cleaning and washing
- Washing and rinsing of automobiles and boats
- Cleaning roofs, windows, patios, and driveways

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Caution: The spray force from these nozzles can cause injuries if pointed directly at yourself or others. Before observing directly always disconnect from spray wand. Make sure spray nozzle is properly locked in place with its quick coupler. If the collar is not in the locking position, the nozzle will become a dangerous projectile. The O-ring from your quick coupler socket will also be blown out of place.

## Nozzle Spray Chart

| Nozzle Orifice Size | Gallons Per Minute → | 1000 PSI | 1200 PSI | 1250 PSI | 1300 PSI | 1500 PSI | 1800 PSI | 2000 PSI | 2100 PSI | 2200 PSI | 2300 PSI | 2400 PSI | 2500 PSI | 3000 PSI | 3200 PSI | 3500 PSI | 4000 PSI | 5000 PSI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3.0 | | 1.50 | 1.64 | 1.68 | 1.71 | 1.84 | 2.01 | 2.12 | 2.17 | 2.22 | 2.27 | 2.32 | 2.37 | 2.60 | 2.68 | 2.81 | 3.00 | 3.35 |
| 3.5 | | 1.75 | 1.92 | 1.96 | 2.00 | 2.14 | 2.35 | 2.47 | 2.54 | 2.60 | 2.65 | 2.71 | 2.77 | 3.03 | 3.13 | 3.27 | 3.50 | 3.91 |
| 4.0 | | 2.00 | 2.19 | 2.24 | 2.28 | 2.45 | 2.68 | 2.83 | 2.90 | 2.97 | 3.03 | 3.10 | 3.16 | 3.46 | 3.58 | 3.74 | 4.00 | 4.47 |
| 4.5 | | 2.25 | 2.46 | 2.52 | 2.57 | 2.76 | 3.02 | 3.18 | 3.26 | 3.34 | 3.41 | 3.49 | 3.56 | 3.90 | 4.02 | 4.21 | 4.50 | 5.03 |
| 5.0 | | 2.50 | 2.74 | 2.80 | 2.85 | 3.06 | 3.35 | 3.54 | 3.62 | 3.71 | 3.79 | 3.87 | 3.95 | 4.33 | 4.47 | 4.68 | 5.00 | 5.59 |
| 5.5 | | 2.75 | 3.01 | 3.07 | 3.14 | 3.37 | 3.69 | 3.89 | 3.99 | 4.08 | 4.17 | 4.26 | 4.35 | 4.76 | 4.92 | 5.14 | 5.50 | 6.15 |
| 6.5 | | 3.25 | 3.56 | 3.63 | 3.71 | 3.98 | 4.36 | 4.60 | 4.71 | 4.82 | 4.93 | 5.03 | 5.14 | 5.63 | 5.81 | 6.08 | 6.50 | 7.27 |
| 8.0 | | 4.00 | 4.38 | 4.47 | 4.56 | 4.90 | 5.37 | 5.66 | 5.80 | 5.93 | 6.07 | 6.20 | 6.32 | 6.93 | 7.16 | 7.48 | 8.00 | 8.94 |

## Turbo Nozzles



**Features**
- 20° spray angle
- Ceramic orifice

**Specification**
- Maximum temperature: **212°F (100°C)**

| Nozzle Size | Description | Orifice | Maximum Working PSI | Part # |
|---|---|---|---|---|
| 4.0 | 1/4" female inlet | 1.30 mm | **3,700** | AL-TPR25-30 |
| 6.0 | 1/4" female inlet | 1.50 mm | **3,700** | AL-TPR25-50 |
| 7.0 | 1/4" female inlet | 1.70 mm | **3,700** | AL-TPR25-70 |
| 4.0 | 1/4" female inlet | 1.30 mm | **5,075** | AL-TPR35-30 |
| 6 | 1/4" female inlet | 1.50 mm | **5,075** | AL-TPR35-50 |
| 7 | 1/4" female inlet | 1.70 mm | **5,075** | AL-TPR35-70 |

## Nozzle Holders



AL414



AL416

**Specification**
- Maximum temperature: **320°F (160°C)**

| Description | Flow (GPM) | Working PSI | Part # |
|---|---|---|---|
| adjustable hi/low nozzle holder with nozzle protector, 1/4" female inlet and outlet | **8** | **3,650** | AL414 |
| change over nozzle, 1/4" female inlet, 2 each 1/4" female outlets | **8** | **2,900** | AL416 |

## Inlet Filter for Turbo Nozzles



**Features**
- 1/4" female inlet, 1/4" male outlet
- 100 mesh filter

**Specification**
- Maximum temperature: **212°F (100°C)**

| Description | Flow (GPM) | Working PSI | Part # |
|---|---|---|---|
| stainless steel, inlet water filter | **8** | **5,000** | AR3500 |

## Balance Release Valve



**Features**
- Inlet/outlet: 3/8" female NPT
- Bypass: 3/8" female NPT

**Specifications**
- Working **PSI: 4,000 PSI**
- Maximum temperature: **195°F (90.6°)**
- GPM: **6.6**

| Brass Part # |
|---|
| AL702 |

## Water Broom



**Features**
- 1/4" quick connect plug

**Specification**
- Working **PSI: 4,000 PSI**

| Description | Length | Stainless Steel Part # |
|---|---|---|

## Unloader Valves

**Features**
- Automatically relieves pressure from the pump at shut-off
- Inlet: (2) each, 3/8" female NPT
- Outlet: 3/8" female NPT
- Bypass: (2) each, 3/8" female NPT

**Specification**
- Maximum temperature: **190°F (88°C)**



| Description | Maximum Flow (GPM) | Working PSI | Part # |
|---|---|---|---|
| yellow spring | **8** | **2,320** | AL605 |
| blue spring | **8** | **3,650** | AL606 |
| black spring | **8** | **4,500** | AL607 |

**Features**
- Inlet: 3/8" female
- Outlet: 3/8" male
- Bypass: 3/8" female

**Specification**
- Maximum temperature: **190°F (88°C)**



| Description | Flow (GPM) | Working PSI | Part # |
|---|---|---|---|
| VR-35 unloader valve | **9** | **5,100** | AR20831 |

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## Thermal Relief Valve

**Features**
- Inlet: 1/2" male

**Specifications**
- Operating **PSI**: **200 PSI**
- Maximum temperature: **140°F (60°C)**



| Brass Part # |
|---|
| TPP140 |

## Safety Release Valve

**Features**
- Inlet: 3/8" male

**Specifications**
- Pressure range: **1,000** to **4,000 PSI**
- Maximum temperature: **200°F (93°C)**
- **GPM: 6**



| Part # |
|---|
| AR5000-1 |

## Pressure Washer Braided Hose

**Specification**
- Maximum temperature: **250°F (121°C)**



| I.D. | Male Swivel Inlet | Male Swivel Outlet | Pressure Rating (PSI) | Length | Rubber Part # |
|---|---|---|---|---|---|
| 3/8" | 3/8" | 3/8" | **4,000** | 50' | AR503830SSP |

## Hand Crank Hose Reel

**Features**
- 3/8" outlet, 3/8" inlet
- Includes jumper hose, mounting bracket and crank handle
- Holds 100' of 3/8" pressure hose

**Specifications**
- Working **PSI**: **3,000 PSI**
- Maximum temperature: **160°F (71°C)**



| Steel Part # |
|---|

## Contractors EPDM Water Hose



**Features**
- Heavy-duty, crush-proof solid brass couplings with wrench grips
- Spiral synthetic cord reinforcement
- Black cover

**Specifications**
- Working pressure: **150 PSI**
- Temperature range: **-20°F to 180°F (-29°C to 82°C)**

| Size | EPDM Part # | Optional Qty |
|---|---|---|
| 3/4" x 50' | CWH50 | 3 |

## Rubber Vinyl Garden Hose




**Features**
- Extra tough, five-ply construction
- Exclusive, soft textured, abrasion-resistant green cover
- Dual reinforced, heavy-duty, flexibility, kink resistance
- Combines durability of rubber, easy handling of vinyl
- SEAL-TITE® leakproof coupling

**Specifications**
- Working pressure: **400 PSI**
- Temperature range: **0°F** to **140°F (-18°C** to **60°C)**

| Size | Rubber Vinyl Part # | Optional Qty |
|---|---|---|
| 5/8" x 25' | SGH25 | 5 |
| 5/8" x 50' | SGH50 | 5 |
| 5/8" x 75' | SGH75 | 3 |
| 5/8" x 100' | SGH100 | 3 |

## Premium EPDM Hose




**Features**
- Professional grade reinforcement provides maximum strength
- Heavy-duty flexibility
- Ultimate kink resistance
- SEAL-TITE® leakproof coupling
- Lead-free drinking water safe
- 40% lighter than standard rubber hose
- Black cover

**Specifications**
- Working pressure: **400 PSI**
- Temperature range: **-40°F** to **165°F (-40°C** to **74°C)**

| Size | EPDM Part # | Optional Qty |
|---|---|---|
| 5/8" x 50' | PGH50 | 4 |
| 5/8" x 100' | PGH100 | 4 |

## Flexogen® Hose




**Features**
- Heavy-duty, crush-resistant, full-flow brass couplings with a built-in washer for tight sealing
- Coils and handles easily in all weather
- Lightweight patented 8-ply construction
- Maximum kink resistance
- Flow guard plus protective collar resists kinks at faucet
- Polished surface resists abrasions, stains, and mildew
- Grey cover

| Size | Flexogen® Part # |
|---|---|
| 5/8" x 25' | FGH25 |



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## Top Level PVC Hose




**Features**
- Heavy-duty 3/4" brass couplings
- Kink resistant
- Green cover

**Specifications**
- Working pressure: **100 PSI**
- Temperature range: **15°F** to **150°F (-9°C** to **66°C)**

| Size | PVC Part # |
|---|---|
| 5/8" x 75' | GGH75 |

## Hot Water Rubber Reinforced Hose




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**Features**
- Industrial style reinforcing for flexibility, high burst strength
- Extra heavy-duty, crush-proof, machined brass couplings
- Maximum wear, abrasion-resistant red cover
- Lead-free drinking water safe
- 40% lighter than standard rubber hose

**Specifications**
- Withstands extensive hot water up to **-40°F** to **165°F (-40°C** to **74°F)**
- Working pressure: **400 PSI**

| Size | Rubber Part # | Optional Qty |
|---|---|---|
| 5/8" x 50' | HWH50 | 4 |
| 3/4" x 50' | HWH50-75 | 4 |

## Marine, Camper, Patio & Pool Hose




**Features**
- Lightweight to handle, easy to store
- USFDA - approved tube materials for food contact use
- Nickel plated couplings
- Lead-free drinking water safe
- White cover

**Specification**
- Working pressure: **300 PSI** at ambient temperature **70°F (21°C)**

| Size | Part # | Optional Qty |
|---|---|---|
| 5/8" x 50' | MCH50 | 5 |

## Hot Water Washdown Hose



**Features**
- Smooth extruded chlorobutyl tube
- White, wrapped Hypalon cover (.075" thick) with braided textile reinforcement
- Furnished with internal stainless steel spring guards at both ends
- 3/4" male on one end and 1/2" male on the other

**Specifications**
- Working pressure: **250 PSI**
- Maximum temperature: **200°F (93°C)**

| Hose I.D. x Length | Part # |
|---|---|
| 5/8" x 25' | SWDSHOSE25 |

## Fog Nozzles



**Features**
- Shutoff - straight stream - fog
- Brass stem
- Standard flow

**Specifications**
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- 120° spray **GPM @100 PSI**

| Size | Thread | 90° Spray GPM @ 100 PSI | Polycarbonate Part # |
|---|---|---|---|
| 3/4" | GHT | **8.0** | FNB75GHT |

## Hydrant Adapters - Pin Lug



| Female Thread | Male Thread | Cast Brass Part # |
|---|---|---|
| 2-1/2" NST (NH) | 3/4" GHT | HA2576 |

H

## Black SBR Washers



| I.D. | O.D. | Duro | Part # | Optional Qty |
|---|---|---|---|---|
| 0.63" | 1.00" | 80 | 5911212W | 100 |
| 0.86" | 1.27" | 60 | 5911616W | 100 |

## Black EPDM Garden Hose Washer



| Description | I.D. | O.D. | Duro | Part # |
|---|---|---|---|---|
| black peroxide cure EPDM NSF® | 0.63" | 1.00" | 70 | 5911212WEPDM |
| | 0.86" | 1.27" | 70 | 5911616WEPDM |

## Garden Hose Filter Washer



| Description | FDA black 70a duro PVC | | Optional Qty |
|---|---|---|---|
| | Previous Part # | Part # | |
| 304 stainless steel mesh, FDA black 70a duro PVC | TVS7-30 | 5911212F | 100 |

## Red Vinyl GHT Washer



| Red Vinyl Part # | Optional Qty |
|---|---|
| TVW7 | 100 |

## White Rubber GHT Washer



| White Rubber (Styrene Butadiene) Part # | Optional Qty |
|---|---|
| TRW7 | 100 |

## Sweeper Nozzle

| Thread Size | Discharge | Length | Brass | |
|---|---|---|---|---|
| | | | Previous Part # | Part # |
| 3/4" GHT | 3/16" | 2" | 500SN2 | PSN76 |



## Flexible Water Nozzle

**Feature**
- Bends for water flow, shuts off when released

| Thread Size | Part # |
|---|---|
| 3/4" GHT | 8005 |



## Brass / Rubber Power Flow Water Nozzle

**Features**
- All metal body and handle
- Curved design to fit the contour of your hand
- Overmold for comfortable handling
- Built in flow control to regulate the amount of water flow
- Locking feature to make extended watering easy
- Large easy-turn dial

| Thread Size | Part # |
|---|---|
| 3/4" GHT | PNB75GHT |




New

H

## Heavy Duty Hot Water Nozzle

**Features**
- Hot water rated
- ThermoGuard overmold protects hands from heat and remains comfortable even with heavy use
- Durable brass spray tip for added durability in extreme conditions
- Adjustable front tip alters spray from powerful jet to light rinse
- Flow control dial customizes force of the water stream

**Material**
- Heavy-duty die-cast zinc construction

| Thread Size | Part # |
|---|---|
| 3/4" GHT | PHDN75 |



## Insulated Water Nozzles

**Features**
- Clip locks to any spray pattern
- Industrial strength nylon handle
- Rubber handle guard
- GHT thread on head
- Heavy duty brass valve and adjusting nut

**Specifications**
- For use with hot water up to **140°F (60°C)**

| Thread Size | Chrome Plated Zinc Part # |
|---|---|
| 3/4" GHT | SN75 |



## Pistol-Grip Water Nozzle

**Features**
- Clip locks to any spray pattern
- Easy squeeze on/off lever
- Brass valve and adjusting nut
- Stainless steel spring with lifetime packing
- Rubber handle guard

| Thread Size | Zinc Metallized Part # |
|---|---|
| 3/4" GHT | CSN75 |



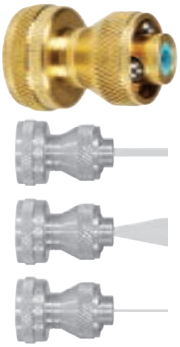
## Twist Nozzles

**Specification**
- Maximum operating pressure **150 PSI** (water only)

| Thread Size | Length | Extruded Brass | |
|---|---|---|---|
| | | Previous Part # | Part # |
| 3/4" GHT | 4" | --- | BTN75 |
| | 4" | --- | 500AN4[1] |



## Adjust-A-Power Nozzle



**Features**
- Ideal for patio, auto and boat, driveway, and garden
- Produces 50% more power than twist nozzles
- Does not require a washer
- Leave nozzle in the open position when not in use
- Brass construction with stainless steel bearings

**Specifications**
- Maximum operating pressure: **100 PSI** (water only) at ambient temperature **70°F (21°C)**

| Thread Size | Brass Part # |
|---|---|
| 3/4" GHT | AAPN75GHT |

## Constant Flow Nozzle Displays



FNB75GHT-GD

CNB75GHT-GD

**Features**
- Shatterproof and UV resistant polycarbonate withstands tough environmental conditions
- Seals used for true water shut off
- Easy twist spray pattern adjustment
- Sold in case quantity only (25 per case), with display

| Thread | 45° Spray GPM @ 100 PSI | Color | Global Part # |
|---|---|---|---|
| 3/4" GHT | **25.1** | green | FNB75GHT-GD |
| | **25.1** | clear | CNB75GHT-GD |

## Constant Flow Nozzles with Bumper



GNB75GHT

CNB75GHT

**Feature**
- Can be used as a replacement nozzle in the display case FNB75GHT-GD

| Thread | 45° Spray GPM @ 100 PSI | Color | Plastic Part # |
|---|---|---|---|
| 3/4" GHT | **8.0** | green | GNB75GHT (domestic) |
| | **25.1** | clear | CNB75GHT (global) |

## Plain Hose Nozzles



**Feature**
- Finish: satin

**Specification**
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

| Size | Thread | Overall Length | Orifice | Replacement Gasket | Brass | |
|---|---|---|---|---|---|---|
| | | | | | Previous Part # | Part # |
| 3/4" | GHT | 6" | 1/4" | KRW5 | 500SN6 | BN6 |



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## Compression Bibb Faucets

**Features**
- Rough brass finish
- Nozzle end is GHT
- For water use only



| Male NPT Inlet Size | Brass Part # |
|---|---|
| 1/2" | 35-201-10 |
| 3/4" | 35-202-10 |

## Garden Hose Quick Connects

**Features**
- Easy push-pull ring for long lasting and quick hose attachments

**Specifications**
- Maximum operating pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- Maximum temperature **140°F (60°C)**





### Complete Assembly

| Description | Brass | | 303 Stainless Steel | |
|---|---|---|---|---|
| | Previous Part # | Part # | Previous Part # | Part # |
| complete assembly | DGH7 | 500QCK | DGH7SS | 500QCKSS |
| complete valved assembly | DGH7V | 500QCKV | --- | --- |

### Female Couplers



| Description | Brass | | 303 Stainless Steel | |
|---|---|---|---|---|
| | Previous Part # | Part # | Previous Part # | Part # |
| coupler | DGH7C | 500QCF | DGH7CSS | 500QCFSS |
| valved coupler-water shutoff | DGH7CV | 500QCFV | --- | --- |

### Replacement Parts for 500QCFV



| Description | Part # |
|---|---|
| replacement rubber seal gasket for 500QCFV (DGH7CV) | 500QCFVSG |
| replacement NBR O-ring for 500QCFV (DGH7CV) | 500QCFVOR |

### Replacement Seal for 500QCF



| Nitrile Butadiene Rubber | |
|---|---|
| Previous Part # | Part # |
| DGHW7 | 500QCSG |

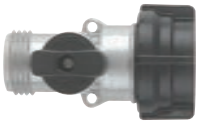
### Male Plugs





| Description | Brass | | 303 Stainless Steel | |
|---|---|---|---|---|
| | Previous Part # | Part # | Previous Part # | Part # |
| male plug | DGH7P | 500QCM | DGH7PSS | 500QCMSS |

## Straight GHT Valve



**Material**
- Powder-coated zinc shut-off valve

**Specifications**
- Maximum temperature: **160°F (71°C)** (hot water)
- Recommended usage: **100°F (38°C)**
- Working pressure: **60 PSI**

| Part # |
|---|
| GHV |

## GHT Ball Valve



**Material**
- Forged brass

**Specifications**
- Maximum temperature: **140°F (60°C)** (hot water)
- Working pressure: **100 PSI**

| Part # |
|---|
| 500GHV |

## GHT Twin Valve



**Material**
- Powder-coated zinc with twin shut-off valves

**Specifications**
- Maximum temperature: **160°F (71°C)** (hot water)
- Recommended usage: **100°F (38°C)**
- Working pressure: **60 PSI**

| Part # |
|---|
| GHYV |

## Garden Hose Y Valve



**Feature**
- Double Y valve, swivel inlet - with Higbie cut threads (capped) to prevent cross threading

**Material**
- Forged brass

**Specifications**
- Maximum temperature: **140°F (60°C)** (hot water)
- Working pressure: **100 PSI**

| Part # |
|---|
| 500GHY |

## Garden Hose Y Coupler



**Material**
- Nickel plated brass

**Specifications**
- Maximum working pressure: **100 PSI**
- Maximum temperature: **140°F (60°C)**

| Part # |
|---|
| 500YC |

## GHT Y



**Feature**
- Includes one end cap

**Material**
- Powder-coated zinc with twin outlet

**Specifications**
- Maximum temperature: **160°F (71°C)** (hot water)
- Recommended usage: **100°F (38°C)**
- Working pressure: **60 PSI**

| Part # |
|---|

## GHT 4-Valve Manifold

**Features**
- Swivel inlet

**Materials**
- Forge brass body, TPR Handle, POM Internal valve, NBR seals

**Specifications**
- Maximum temperature: **120°F (49°C)**
- Maximum operating pressure: **100 PSI**



| Part # |
|---|
| 500GH4VBK |

## GHT Back Flow Preventer

**Features**
- Manual drain
- Corrosion resistant

**Materials**
- Brass extruded stock
- Gasket: nitrile rubber
- Components: stainless steel

**Specifications**
- Maximum operating pressure: **125 PSI**
- Temperature range: **33°F** to **180°F (.5°C to 82°C)**



H

| Part # |
|---|
| 500BFP |

## Radiator Bibb

**Feature**
- 1/4" female pipe thread connection



| Vinyl Part # |
|---|
| 8013 |

## Garden Hose Gooseneck

**Features**
- Angles hose away from hose bibb

**Specifications**
- Recommended usage: **100°F (38°C)**
- Working pressure: **60 PSI**



| Powder Coated Zinc<br>Part # |
|---|
| GHGN |

## GHT Zinc Fittings

**Features**
- Premium brass and zinc construction for maximum strength and durability
- Patented impact resistant clamp design
- Non-corroding high grade 410 stainless steel screws will not strip when tightened
- Leakproof, reusable
- For use with rubber or plastic hose
- Fits all 5/8" and 3/4" hose

### Female Hose Fitting



| Part # | Optional Qty |
|---|---|
| M5834F | 48 |

### Male Hose Fitting



| Part # | Optional Qty |
|---|---|
| M5834M | 48 |

### Mender



| Part # | Optional Qty |
|---|---|
| M5834HM | 48 |

## Spray Valve and Hose Assembly

### Valves

**Features**
- Even spray valve mist provides proper moisture on paper roll ends
- Helps eliminate wrinkles and folder delivery problems, increasing pressroom production and reducing waste
- A slight flex of the hose in any direction (360°) activates the spray
- Quick action with no protruding levers, thumb depressors, triggers or other devices utilized
- Positive water seal when hose is released causes the internal valve to close and immediately shut off spray
- Sealed mechanism with no packing gland



83304



83306H

| Female NPT Size | Description | Part # |
|---|---|---|
| 1/4" | valve only | 83304 |
| 3/8" | | 83306 |
| 1/4" | valve with hook | 83304H |
| 3/8" | | 83306H |

### Hose Assembly



| Male NPT Inlet | Description | Part # |
|---|---|---|
| 3/8" | 5' hose | 8320605 |

NOTE: Additional hose lengths are available contact Dixon®



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## Spray Hose Fittings

### Complete Couplings - GHT

| Hose I.D. | GHT Thread | Plated Steel Part # |
|---|---|---|
| 3/8" | 3/4" | SS307 |
| 1/2" | 3/4" | SS407 |
| 5/8" | 3/4" | SS507 |
| 3/4" | 3/4" | SS607 |



### Female Couplings - GHT

| Hose I.D. | GHT Thread | Plated Steel Part # |
|---|---|---|
| 3/8" | 3/4" | SS347 |
| 1/2" | 3/4" | SS447 |
| 5/8" | 3/4" | SS547 |
| 3/4" | 3/4" | SS647 |



### Male Couplings - GHT

| Hose I.D. | GHT Thread | Plated Steel Part # |
|---|---|---|
| 3/8" | 3/4" | SS317 |
| 1/2" | 3/4" | SS417 |
| 5/8" | 3/4" | SS517 |
| 3/4" | 3/4" | SS617 |



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## Short Shank Couplings with Octagon Nut

| Hose Size | Shank Length | Aluminum Part # |
|---|---|---|
| 3/8" | 13/16" | ABC73 |
| 3/4" | 1-1/8" | ABC76 |



NOTE: Sold in complete sets only
NOTE: Stock quantities only

## Standard Shank Cast Coupling with Hex Nut

**Features**
- Use with washers on page 377
- Sold in complete sets only

| Hose Size | Brass Part # |
|---|---|
| 1/2" | CBC74 |
| 5/8" | CBC75 |
| 3/4" | CBC76 |
| 1" | CBC88[1] |



[1] NPSM thread

## Garden Hose Menders

| Hose I.D. | Brass | |
|---|---|---|
| | Previous Part # | Part # |
| 1/2" | 5780808C | 1780808C |
| 5/8" | 5781010C | 1781010C |
| 3/4" | 5781212C | 1781212C |
| 1" | 5781616C | 1781616C |



## Standard Shank Fittings

### GHT Complete Couplings with Hex Nut





**Feature**

- Extended male GHT - deeper thread

| Hose Size | Brass | | Lead-Free Brass[2] Part # | 303 Stainless | |
|---|---|---|---|---|---|
| | Previous Part # | Part # | | Previous Part # | Part # |
| 3/8" | BC73 | 5920606K | --- | --- | --- |
| 1/2" | BC74 | 5920808K | 5920808KLF | SSC74 | 5920808KSS |
| 5/8" | BC75 | 5921010K | 5921010KLF | SSC75 | 5921010KSS |
| 3/4" | BC76 | 5921212K | 5921212KLF | SSC76 | 5921212KSS |
| 1" | BC78 | 5921612K | --- | --- | --- |
| 1" | BS808 | 5921616K[1] | --- | --- | --- |

[1] 1" NPSH thread
[2] NSF®/ANSI 61 certified lead-free brass <=0.25% lead, Alloy C2745 and NSF®/ANSI 61 certified 5911212WEPDM washer included
NOTE: Complete coupling set is not shipped assembled

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### GHT Female Fittings with Swivel Nut





| Hose Size | Brass | | Lead-Free Brass[2] Part # | 303 Stainless | | Pkg Qty |
|---|---|---|---|---|---|---|
| | Previous Part # | Part # | | Previous Part # | Part # | |
| 3/8" | BCF73 | 5910612C | --- | --- | --- | 25 |
| 1/2" | BCF74 | 5910812C | --- | SSCF74 | 5910812SS | 25 |
| | --- | --- | 5910812CLF | --- | --- | 25 |
| 5/8" | BCF75 | 5911012C | --- | SSCF75 | 5911012SS | 25 |
| | --- | --- | 5911012CLF | --- | --- | 25 |
| 3/4" | BCF76 | 5911212C | --- | SSCF76 | 5911212SS | 25 |
| | --- | --- | 5911212CLF | --- | --- | 25 |
| 1" | BCF78 | 5911612C | --- | --- | --- | 10 |
| | BS848 | 5911616C[1, 3] | 5911616CLF | --- | --- | 10 |

[1] 1" NPSH thread
[2] NSF®/ANSI 61 certified lead-free brass <=0.25% lead, Alloy C2745 and NSF®/ANSI 61 certified 5911212WEPDM washer included
[3] Washer included, part # 5911616W on page 412
NOTE: SBR black rubber washer part # 5911212W included, found on page 412

### GHT Male Fittings





**Feature**

- Extended male GHT - deeper thread

| Hose Size | Brass | | Lead-Free Brass[2] Part # | 303 Stainless | | Pkg Qty |
|---|---|---|---|---|---|---|
| | Previous Part # | Part # | | Previous Part # | Part # | |
| 3/8" | BCM73 | 5900612C | --- | --- | --- | 25 |
| 1/2" | BCM74 | 5900812C | --- | SSCM74 | 5900812SS | 25 |
| | --- | --- | 5900812CLF | --- | --- | 25 |
| 5/8" | BCM75 | 5901012C | --- | SSCM75 | 5901012SS | 25 |
| | --- | --- | 5901012CLF | --- | --- | 25 |
| 3/4" | BCM76 | 5901212C | --- | SSCM76 | 5901212SS | 25 |
| | --- | --- | 5901212CLF | --- | --- | 25 |
| 1" | BCM78 | 5901612C | --- | --- | --- | 10 |
| | BS818 | 5901616C[1] | 5901616CLF | --- | --- | 10 |

[1] 1" NPSH thread
[2] NSF®/ANSI 61 certified lead-free brass <=0.25% lead, Alloy C2745

## Short Shank Fittings

**Feature**
- Female couplings include 5911212W SBR washer; additional washers on page 412

### GHT Complete Couplings with Hex Nut

**Features**
- Extended male GHT - deeper thread
- Complete coupling set is not shipped assembled

| Hose Size | Brass | |
|---|---|---|
| | Previous Part # | Part # |
| 1/2" | HNBGH74 | 5890808K |
| 5/8" | HNBGH75 | 5891010K |
| 3/4" | HNBGH76 | 5891212K |



### GHT Complete Couplings with Round Nut

| Hose Size | Brass | |
|---|---|---|
| | Previous Part # | Part # |
| 1/2" | BGH74 | 5870808K |
| 5/8" | BGH75 | 5871010K |
| 3/4" | BGH76 | 5871212K |



H

### GHT Female Couplings with Round Nut

| Hose Size | Shank Length | Brass | |
|---|---|---|---|
| | | Previous Part # | Part # |
| 1/2" | 1" | BGHF74 | 5860812C |
| 5/8" | 1" | BGHF75 | 5861012C |
| 3/4" | 1" | BGHF76 | 5861212C |



### GHT Female Swivels with Hex Nut

| Hose Size | Shank Length | Brass | |
|---|---|---|---|
| | | Previous Part # | Part # |
| 1/2" | 1" | HNBGHF74 | 5880812C |
| 5/8" | 1" | HNBGHF75 | 5881012C |
| 3/4" | 1" | HNBGHF76 | 5881212C |



### GHT Male Couplings with Hex

**Feature**
- Extended male GHT - deeper thread

| Hose Size | Shank Length | Brass | |
|---|---|---|---|
| | | Previous Part # | Part # |
| 1/2" | 1" | BGHM74 | 5850812C |
| 5/8" | 1" | BGHM75 | 5851012C |
| 3/4" | 1" | BGHM76 | 5851212C |



# Long Shank Fittings

## Complete Couplings - GHT



**Features**
- Extended male GHT, deeper thread
- Brass female couplings include 5911212W washer; plated steel includes KRW5 washer

| Hose I.D. | GHT Thread | Plated Steel Part # | Brass | |
|---|---|---|---|---|
| | | | Previous Part # | Part # |
| 3/8" | 3/4" | SLS307 | --- | --- |
| 1/2" | 3/4" | SLS407 | BLS407 | 5950808K |
| 5/8" | 3/4" | SLS507 | BLS507 | 5951010K |
| 3/4" | 3/4" | SLS607 | BLS607 | 5951212K |

## Female Couplings - GHT



**Feature**
- Brass female couplings include 5911212W washer; plated steel includes KRW5 washer

| Hose I.D. | GHT Thread | Plated Steel Part # | Brass | | Pkg Qty | Lead-Free Brass Part # |
|---|---|---|---|---|---|---|
| | | | Previous Part # | Part # | | |
| 3/8" | 3/4" | SLS347 | --- | --- | --- | --- |
| 1/2" | 3/4" | SLS447 | BLS447 | 5940812C | 25 | --- |
| 5/8" | 3/4" | SLS547 | BLS547 | 5941012C | 25 | --- |
| 3/4" | 3/4" | SLS647 | BLS647 | 5941212C | 25 | 5941212CLF[1] |

## Male Couplings - GHT



**Feature**
- Extended male GHT, deeper thread

| Hose I.D. | GHT Thread | Plated Steel Part # | Brass | | Pkg Qty | Lead-Free Brass Part # |
|---|---|---|---|---|---|---|
| | | | Previous Part # | Part # | | |
| 3/8" | 3/4" | SLS317 | --- | --- | 50 | --- |
| 1/2" | 3/4" | SLS417 | BLS417 | 5930812C | 25 | --- |
| 5/8" | 3/4" | SLS517 | BLS517 | 5931012C | 25 | --- |
| 3/4" | 3/4" | SLS617 | BLS617 | 5931212C | 10 | 5931212CLF[1] |

[1] NSF®/ANSI 61 certified lead-free brass <=0.25% lead, Alloy C2745 and NSF®/ANSI 61 certified 5911212WEPDM washer included with female coupling

## Garden Hose Cap



| Size | Brass | | Optional Qty |
|---|---|---|---|
| | Previous Part # | Part # | |
| 3/4" | GHC7 | 5131212C | 25 |

## Garden Hose Round Nut with Knurl



| Size | Brass Part # |
|---|---|
| 3/4" | 5861012N |

## Garden Hose Hex Nut with Knurl



| Size | Brass Part # | Lead-Free Brass[1] Part # |
|---|---|---|
| 3/4" GHT | 5911212N | 5911212NLF |
| 1" NPSH | 5911616N | 5911616NLF |

# Male GHT Adapters

**Feature**
- Extended male GHT, deeper thread

## Male Hose x Male Hose x Female Pipe



| Male GH x Male GH x Female NPT | Lead-Free Brass Part # |
|---|---|
| 3/4" x 3/4" x 1/2" | 5091212CLF |

## Male GHT x Male NPTF



brass



lead-free brass



303 stainless

| Male GHT | Male NPTF | Brass | | Lead-Free Brass[2] Part # | Male Thread | 303 Stainless | | Pkg Qty |
|---|---|---|---|---|---|---|---|---|
| | | Previous Part # | Part # | | | Previous Part # | Part # | |
| 3/4" | 3/8" | BA73 | 5081206C | --- | --- | --- | --- | 25 |
| | 1/2" | BA74 | 5081208C | 5081208CLF | NPT | RA74 | 5081208SS | 25 |
| | 3/4" | --- | 5081212C | --- | NPT | RA776 | 5081212SS | 25 |
| | 3/4" x 1/2" | BA776 | 5141212C[1] | 5141212CLF[1, 2] | NPT | --- | 5141212SS[1] | 25 |
| | 1" | BA78 | 5081216C | --- | --- | --- | --- | 10 |

[1] Has 1/2" female NPT on I.D. of 3/4" male NPT side
[2] NSF®/ANSI 61 certified lead-free brass <=0.25% lead, Alloy C2745

# Male GHT Adapters

## Male GHT



brass



303 stainless

| Male GHT | Male GHT | Brass | | Male GHT | 303 Stainless | | Pkg Qty |
|---|---|---|---|---|---|---|---|
| | | Previous Part # | Part # | | Previous Part # | Part # | |
| 3/4" | 3/4" | BA777 | 5091212C | NPT | RA777 | 5091212SS | 25 |
| | 1"[1] | 509-1612 | 5091612C | --- | --- | --- | 20 |

[1] NPSH thread

## Female NPTF



brass



| Male GHT | Female NPTF | Brass | | Lead-Free Brass Part # | Pkg Qty |
|---|---|---|---|---|---|
| | | Previous Part # | Part # | | |
| 3/4" | 1/4" | 507-1204 | 5071204C | --- | 25 |
| | 3/8" | 507-1206 | 5071206C | --- | 25 |
| | 1/2" | BA794 | 5071208C | --- | 25 |
| | 3/4" | BA796 | 5071212C | 5071212CLF[1] | 25 |

| Male GHT | Female NPT | 303 Stainless | | Pkg Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 3/4" | 1/2" | RA794 | 5071208SS | 25 |
| | 3/4" | RA796 | 5071212SS | 25 |

[1] NSF®/ANSI 61 certified lead-free brass <=0.25% lead, Alloy C2745



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# Female GHT Adapters

**Feature**

- All female GH include washer, 5911212W SBR rubber for standard brass and 5911212WEPDM for lead-free brass



brass



lead free brass

## Swivel

| Female x Female | Brass | | Optional Qty |
|---|---|---|---|
| | Previous Part # | Part # | |
| 3/4" x 3/4" | BA977 | 5061212C | 25 |
| | --- | 5061212CLF[1] | 25 |

[1] NSF®/ANSI 61 certified lead-free brass <=0.25% lead, Alloy C2745



## Female GHT Swivel x Female NPTF

| Female GHT x Female NPTF | Brass | | Lead-Free Brass Part # | 303 Stainless | | Pkg Qty |
|---|---|---|---|---|---|---|
| | Previous Part # | Part # | | Previous Part # | Part # | |
| 3/4"x 1/2" | BAS974 | 5021208C | 5021208CLF[1] | RAS974 | 5021208SS[2] | 25 |
| 3/4" x 3/4" | BAS976 | 5021212C | 5021212CLF[1,] | RAS976 | 5021212SS[2] | 10 |

[1] NSF®/ANSI 61 certified lead-free brass <=0.25% lead, Alloy C2745
[2] NPT threads





## Female GHT Swivel x Male NPTF

| Female GHT | Male NPTF | Brass | | Male NPT | 303 Stainless | | Pkg Qty |
|---|---|---|---|---|---|---|---|
| | | Previous Part # | Part # | | Previous Part # | Part # | |
| 3/4" | 1/4" | 504-1204 | 5041204C | --- | --- | --- | 25 |
| | 3/8" | 504-1206 | 5041206C | --- | --- | --- | 25 |
| | 1/2" | 504-1208 | 5041208C | 1/2" | R504-1208 | 5041208SS | 25 |
| | 3/4" | 504-1212 | 5041212C | 3/4" | R504-1212 | 5041212SS | 20 |





## Rigid Female GHT x Male NPTF

| Female GHT | Male Thread NPTF | Brass | | Male Thread NPT | 303 Stainless | | Pkg Qty |
|---|---|---|---|---|---|---|---|
| | | Previous Part # | Part # | | Previous Part # | Part # | |
| 3/4" | 3/8" | BMA973 | 5031206C | --- | --- | --- | 25 |
| | 1/2" | BMA974 | 5031208C | 1/2" | RMA974 | 5031208SS | 25 |
| | 3/4" | BMA976 | 5031212C[1] | 3/4" | RMA976 | 5031212SS[2] | 25 |

[1] Has 1/2" female NPTF on I.D. of 3/4" male NPTF side
[2] Has 1/2" female NPT on I.D. of 3/4" male NPT side





## Rigid Female GHT x Female NPTF

| Female GHT | Female Thread NPTF | Brass | | Female Thread NPT | 303 Stainless | | Pkg Qty |
|---|---|---|---|---|---|---|---|
| | | Previous Part # | Part # | | Previous Part # | Part # | |
| 3/4" | 1/8" | BA971 | 5011202C | --- | --- | --- | 50 |
| | 1/4" | BA972 | 5011204C | --- | --- | --- | 25 |
| | 3/8" | BA973 | 5011206C | --- | --- | --- | 25 |
| | 1/2" | BA974 | 5011208C | 1/2" | RA974 | 5011208SS | 25 |



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## Hose Barbs and Inserts.....426 - 445

Male x hose barbs..... 426 - 427, 429, 431
Female x hose barbs..... 427 - 429
Elbows ..... 429 - 431
Splicers .....428, 430
SAE / JIC..... 431 - 432
Ferrules for air and fluid .....433
Ferrules for fluid.....433
Ribbed and plain dies.....434
Crimpers ..... 435 - 437
Crimp dies..... 436 - 437
Push-on..... 438 - 445
Hose assembly tool .....445
Lok-on caps .....445

## Reusable.....446 - 448

## Pipe Fittings.....449 - 455

Adapters ..... 449 - 450
Couplings.....449
Bushings.....449
Close nipples .....450
Nipples..... 451 - 452
Elbows ..... 452 - 453
Tees..... 453 - 454
Crosses .....454
Caps .....454
Plugs .....455

## Grease Whip Hose .....456 - 457

Hose assemblies and fittings.....456
Zerk fittings .....457

## Oxy-Acetylene ..... 458

# Hose Fittings

## Male NPTF x Hose Barb

**Feature**

- Optional package quantity



brass



316 stainless steel

| Hose I.D. | Male NPTF | Brass | | Lead-Free Brass[3] Part # | 316 Stainless Steel[1] Part # | Pkg Qty |
|---|---|---|---|---|---|---|
| | | Previous Part # | Part # | | | |
| 1/8" | 1/8" | BN11 | 1020202C | --- | RN11 | 100 |
| | 1/4" | BN122 | 1020204C | --- | --- | 100 |
| 3/16" | 1/8" | BN151 | 1020302C | 1020302CLF | RN151 | 100 |
| | 1/4" | BN152 | 1020304C | --- | RN152 | 100 |
| 1/4" | 1/8" | BN21 | 1020402C | 1020402CLF | RN21 | 100 |
| | 1/4" | BN22 | 1020404C | 1020404CLF | RN22 | 100 |
| | 3/8" | BN23 | 1020406C | --- | RN23 | 100 |
| | 1/2" | BN24 | 1020408C | --- | --- | 50 |
| 5/16" | 1/8" | BN251 | 1020502C | 1020502CLF | RN251 | 100 |
| | 1/4" | BN252 | 1020504C | 1020504CLF | RN252 | 50 |
| | 3/8" | BN253 | 1020506C | --- | RN253 | 50 |
| 3/8" | 1/8" | BN31 | 1020602C | 1020602CLF | RN31 | 100 |
| | 1/4" | BN32 | 1020604C | 1020604CLF | RN32 | 100 |
| | 3/8" | BN33 | 1020606C | 1020606CLF | RN33 | 50 |
| | 1/2" | BN34 | 1020608C | 1020608CLF | RN34 | 25 |
| | 3/4" | BN36 | 1020612C | --- | --- | 25 |
| 1/2" | 1/4" | BN42 | 1020804C | 1020804CLF | RN42 | 50 |
| | 3/8" | BN43 | 1020806C | 1020806CLF | RN43 | 50 |
| | 1/2" | BN44 | 1020808C | 1020808CLF | RN44 | 25 |
| | 3/4" | BN46 | 1020812C | --- | RN46 | 25 |
| 5/8" | 3/8" | BN53 | 1021006C | --- | RN53 | 50 |
| | 1/2" | BN54 | 1021008C | 1021008CLF | RN54 | 25 |
| | 3/4" | BN56 | 1021012C | --- | RN56 | 25 |
| 3/4" | 3/8" | --- | 1021206C | --- | --- | 25 |
| | 1/2" | BN64 | 1021208C | 1021208CLF | RN64 | 25 |
| | 3/4" | BN66 | 1021212C | 1021212CLF | RN66 | 20 |
| 1" | 1/2" | --- | 1021608C | --- | --- | 20 |
| | 3/4" | BN86 | 1021612C | --- | RN86 | 20 |
| | 1" | BN88 | 1021616C[2] | --- | 1021616SS[2,4] | 10 |
| | 1-1/4" | --- | 1021620C[2] | --- | --- | 10 |
| 1-1/4" | 3/4" | BN106 | 1022012C | --- | --- | 10 |
| | 1" | BN108 | 1022016C[2] | --- | --- | 5 |
| 1-1/2" | 1" | --- | 1022416C[2] | --- | --- | 5 |
| | | --- | 1022420C[2] | --- | --- | 5 |

[1] NPT thread
[2] Capped
[3] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745
[4] Part is 316SS cast

## Male NPTF Swivel x Hose Barb

**Feature**

- Optional package quantity



| Hose I.D. | Male NPTF | Brass | | Pkg Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/4" | 1/8" | 103-0402 | 1030402C | 100 |
| | 1/4" | 103-0404 | 1030404C | 100 |
| | 3/8" | --- | 1030406C | 100 |
| 5/16" | 1/4" | --- | 1030504C | 100 |
| 3/8" | 1/4" | 103-0604 | 1030604C | 100 |
| | 3/8" | 103-0606 | 1030606C | 50 |
| 1/2" | 3/8" | 103-0806 | 1030806C | 50 |
| | 1/2" | 103-0808 | 1030808C | 25 |
| 5/8" | 1/2" | --- | 1031008C | 25 |
| 3/4" | 1/4" | --- | 1031204C | 20 |
| | 1/2" | --- | 1031208C | 20 |
| | 3/4" | 103-1212 | 1031212C | 20 |
| 1" | 1-11-1/2" | 103-1616 | 1031616C[1] | 10 |

[1] Capped threads

# Hose Fittings

## Male NPTF x Beaded Hose Barb

| Hose I.D. | Male NPTF | Brass Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/8" | 268B0402 | 100 |
| | 1/4" | 268B0404 | 100 |
| 5/16" | 1/8" | 268B0502 | 100 |
| | 1/4" | 268B0504 | 50 |
| 3/8" | 1/8" | 268B0602 | 100 |
| | 1/4" | 268B0604 | 100 |
| | 3/8" | 268B0606 | 50 |
| 1/2" | 3/8" | 268B0806 | 50 |
| | 1/2" | 268B0808 | 50 |
| 5/8" | 1/2" | 268B1008 | 25 |
| 3/4" | 1/2" | 268B1208 | 50 |
| | 3/4" | 268B1212 | 25 |



## Male BSPT x Hose Barb

| Hose I.D. | Male BSPT | Brass | | Pkg Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/4" | 1/8" | BN21BSPT | 1020402BSPT | 100 |
| | 1/4" | BN22BSPT | 1020404BSPT | 100 |
| 3/8" | 1/4" | BN32BSPT | 1020604BSPT | 100 |
| | 3/8" | BN33BSPT | 1020606BSPT | 50 |
| | 1/2" | BN34BSPT | 1020608BSPT | 25 |
| 1/2" | 3/8" | BN43BSPT | 1020806BSPT | 50 |
| | 1/2" | BN44BSPT | 1020808BSPT | 50 |
| 3/4" | 3/4" | BN66BSPT | 1021212BSPT | 25 |
| 1" | 1" | BN88BSPT | 1021616BSPT | 10 |



## Female NPTF x Hose Barb

| Hose I.D. | Female NPTF | Brass | | Lead-Free Brass[2] Part # | 303 Stainless Steel[1] | | Pkg Qty |
|---|---|---|---|---|---|---|---|
| | | Previous Part # | Part # | | Previous Part # | Part # | |
| 1/8" | 1/8" | BF11 | 1040202C | --- | --- | --- | 100 |
| | 1/4" | BF12 | 1040204C | --- | --- | --- | 100 |
| 3/16" | 1/8" | BF151 | 1040302C | --- | --- | --- | 100 |
| | 1/4" | BF152 | 1040304C | --- | --- | --- | 100 |
| 1/4" | 1/8" | BF21 | 1040402C | --- | --- | --- | 100 |
| | 1/4" | BF22 | 1040404C | 1040404CLF | BF22SS | 1040404SS | 100 |
| | 3/8" | BF23 | 1040406C | --- | --- | --- | 50 |
| | 1/2" | BF24 | 1040408C | --- | --- | --- | 50 |
| 5/16" | 1/8" | BF251 | 1040502C | --- | --- | --- | 100 |
| | 1/4" | BF252 | 1040504C | --- | --- | --- | 100 |
| | 3/8" | BF253 | 1040506C | --- | --- | --- | 100 |
| 3/8" | 1/8" | BF31 | 1040602C | --- | --- | --- | 100 |
| | 1/4" | BF32 | 1040604C | 1040604CLF | BF32SS | 1040604SS | 50 |
| | 3/8" | BF33 | 1040606C | 1040606CLF | BF33SS | 1040606SS | 50 |
| | 1/2" | BF34 | 1040608C | 1040608CLF | --- | --- | 50 |
| | 3/4" | BF36 | 1040612C | --- | --- | --- | 25 |
| 1/2" | 1/4" | BF42 | 1040804C | --- | --- | --- | 50 |
| | 3/8" | BF43 | 1040806C | --- | --- | --- | 50 |
| | 1/2" | BF44 | 1040808C | 1040808CLF | BF44SS | 1040808SS | 50 |
| | 3/4" | BF46 | 1040812C | --- | --- | --- | 25 |
| 5/8" | 3/8" | BF53 | 1041006C | --- | --- | --- | 50 |
| | 1/2" | BF54 | 1041008C | --- | --- | --- | 25 |
| | 3/4" | BF56 | 1041012C | --- | --- | --- | 25 |
| 3/4" | 1/2" | BF64 | 1041208C | --- | --- | --- | 25 |
| | 3/4" | BF66 | 1041212C | --- | --- | --- | 20 |
| 1" | 3/4" | BF86 | 1041612C | --- | --- | --- | 20 |
| | 1" | BF88 | 1041616C | 1041616CLF | --- | --- | 10 |
| 1-1/4" | 1" | BF108 | 1042016C | --- | --- | --- | 10 |



brass



303 stainless steel

1. NPT threads

# Hose Fittings

## Female NPSM Swivel x Hose Barb Ball Seat



| Hose I.D. | Female NPSM | Brass | | Pkg Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/8" | 1/8" | BFS11 | 1240202K | 100 |
| 3/16" | 1/8" | BFS151 | 1240302K | 100 |
| | 1/4" | BFS152 | 1240304K | 100 |
| 1/4" | 1/8" | BFS21 | 1240402K | 100 |
| | 1/4" | BFS22 | 1240404K | 100 |
| | 3/8" | BFS23 | 1240406K | 100 |
| 5/16" | 1/4" | BFS252 | 1240504K | 100 |
| | 3/8" | BFS253 | 1240506K | 50 |
| 3/8" | 1/4" | BFS32 | 1240604K | 100 |
| | 3/8" | BFS33 | 1240606K | 100 |
| | 1/2" | BFS34 | 1240608K | 100 |
| 1/2" | 3/8" | BFS43 | 1240806K | 50 |
| | 1/2" | BFS44 | 1240808K | 100 |
| 3/4" | 3/4" | BFS66 | 1241212K | 50 |

## Female NPSM Swivel x Hose Barb Gasket Seat



| Hose I.D. | Female NPSM | Brass | | Pkg Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/8" | 1/8" | 126-0202 | 1260202C | 100 |
| 3/16" | 1/8" | 126-0302 | 1260302C | 100 |
| | 1/4" | 126-0304 | 1260304C | 100 |
| 1/4" | 1/8" | 126-0402 | 1260402C | 100 |
| | 1/4" | 126-0404 | 1260404C | 100 |
| | 3/8" | 126-0406 | 1260406C | 100 |
| 5/16" | 1/4" | 126-0504 | 1260504C | 100 |
| 3/8" | 1/4" | 126-0604 | 1260604C | 100 |
| | 3/8" | 126-0606 | 1260606C | 50 |
| | 1/2" | 126-0608 | 1260608C | 50 |
| 1/2" | 3/8" | 126-0806 | 1260806C | 50 |
| | 1/2" | 126-0808 | 1260808C | 50 |
| 3/4" | 3/4" | 126-1212 | 1261212C | 25 |

NOTE: Parts include 80 duro neoprene Washer

## Barbed Hose Menders (Splicers)



| Hose I.D. | Lead-Free Brass[1] Part # | Brass | | Pkg Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/8" | --- | BM1 | 1780202C | 100 |
| 3/16" | --- | BM15 | 1780303C | 100 |
| 1/4" x 1/8" | --- | BM2-1 | 1780402C | 100 |
| 1/4" | 1780404CLF | BM2 | 1780404C | 100 |
| 5/16" | --- | BM25 | 1780505C | 100 |
| 3/8" x 1/4" | --- | BM3-2 | 1780604C | 100 |
| 3/8" | 1780606CLF | BM3 | 1780606C | 100 |
| 1/2 x 1/4" | --- | --- | 1780804C | 50 |
| 1/2" x 3/8" | --- | BM4-3 | 1780806C | 50 |
| 1/2" | 1780808CLF | BM4 | 1780808C | 50 |
| 5/8" x 3/8" | --- | BM5-3 | 1781006C | 50 |
| 5/8" x 1/2" | --- | BM5-4 | 1781008C | 50 |
| 5/8" | --- | BM5 | 1781010C | 50 |
| 3/4" x 1/2" | --- | BM6-4 | 1781208C | 25 |
| 3/4" | --- | BM6 | 1781212C | 25 |
| 1" x 3/4" | --- | --- | 1781612C | 10 |
| 1" | | BM8 | 1781616C | 10 |

# Hose Fittings

## Male NPTF x Hose Barb 90° Elbow

| Hose I.D. | Male NPTF | Brass | | Lead-Free Brass[2, 3] Part # | Pkg Qty |
|---|---|---|---|---|---|
| | | Previous Part # | Part # | | |
| 3/16" | 1/8" | EL15H1M | 1290302C | --- | 50 |
| 1/4" | 1/8" | EL2H1M | 1290402C | --- | 50 |
| | 1/4" | EL2H2M | 1290404C | 1290404CLF | 50 |
| | 3/8" | EL2H3M | 1290406C | --- | 50 |
| 5/16" | 1/8" | EL25H1M | 1290502C | --- | 25 |
| | 1/4" | EL25H2M | 1290504C | --- | 50 |
| | 3/8" | EL25H3M | 1290506C | --- | 50 |
| 3/8" | 1/8" | EL3H1M | 1290602C | --- | 50 |
| | 1/4" | EL3H2M | 1290604C | 1290604CLF | 50 |
| | 3/8" | EL3H3M | 1290606C | 1290606CLF | 50 |
| | 1/2" | EL3H4M | 1290608C | --- | 25 |
| 1/2" | 1/4" | EL4H2M | 1290804C | --- | 50 |
| | 3/8" | EL4H3M | 1290806C | --- | 50 |
| | 1/2" | EL4H4M | 1290808C | --- | 25 |
| 5/8" | 3/8" | EL5H3M | 1291006C | --- | 25 |
| | 1/2" | EL5H4M | 1291008C | --- | 25 |
| 3/4" | 1/2" | EL6H4M | 1291208C | --- | 25 |
| | 3/4" | EL6H6M | 1291212C | --- | 25 |
| 1" | 3/4" | EL8H6M | 1291612C | --- | 10 |
| | 1" | EL8H8M | 1291616C[1] | --- | 10 |



[1] Capped
[2] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[3] NPT thread

| Hose I.D. | Male NPT | 316 Stainless Steel | | Pkg Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/4" | 1/8" | EL2H1MSS | 1290402SS | 50 |
| | 1/4" | EL2H2MSS | 1290404SS | 50 |
| 3/8" | 1/4" | EL3H2MSS | 1290604SS | 50 |
| | 3/8" | EL3H3MSS | 1290606SS | 50 |
| 1/2" | 1/4" | EL4H2MSS | 1290804SS | 50 |
| | 3/8" | EL4H3MSS | 1290806SS | 50 |
| | 1/2" | EL4H4MSS | 1290808SS | 25 |
| 3/4" | 1/2" | EL6H4MSS | 1291208SS | 25 |
| | 3/4" | EL6H6MSS | 1291212SS | 25 |



## Female NPTF x Hose Barb 90° Elbow

| Hose I.D. | Female NPTF | Brass | | Pkg Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/4" | 1/8" | 134-0402 | 1340402C | 50 |
| | 1/4" | 134-0404 | 1340404C | 50 |
| 3/8" | 1/4" | 134-0604 | 1340604C | 50 |
| | 3/8" | 134-0606 | 1340606C | 50 |
| 1/2" | 1/4" | 134-0804 | 1340804C | 25 |
| | 3/8" | 134-0806 | 1340806C | 25 |
| | 1/2" | 134-0808 | 1340808C | 25 |
| 3/4" | 3/4" | 134-1212 | 1341212C | 25 |



# Hose Fittings

## Barbed 90° Elbow Splicers



brass



304 stainless steel

| Hose I.D. | Brass | | 304 Stainless Steel | | Pkg Qty |
|---|---|---|---|---|---|
| | Previous Part # | Part # | Previous Part # | Part # | |
| 1/8" | 177-0202 | 1770202C | --- | --- | 25 |
| 3/16" | 177-0303 | 1770303C | --- | --- | 25 |
| 1/4" x 1/8" | 177-0402 | 1770402C | --- | --- | 25 |
| 1/4" | 177-0404 | 1770404C | 177-0404SS | 1770404SS | 25 |
| 5/16" | 177-0505 | 1770505C | --- | --- | 25 |
| 3/8" x 1/4" | 177-0604 | 1770604C | --- | --- | 25 |
| 3/8" | 177-0606 | 1770606C | 177-0606SS | 1770606SS | 25 |
| 1/2" x 3/8" | 177-0806 | 1770806C | --- | --- | 25 |
| 1/2" | 177-0808 | 1770808C | 177-0808SS | 1770808SS | 25 |
| 5/8" | 177-1010 | 1771010C | --- | --- | 25 |
| 3/4" x 1/2" | 177-1208 | 1771208C | --- | --- | 25 |
| 3/4" | 177-1212 | 1771212C | --- | --- | 25 |

## Barbed Tee Splicers



brass



brass with male NPTF



lead-free brass



304 stainless steel

| Hose I.D. | Brass | | Lead-Free Brass Part # | Pkg Qty |
|---|---|---|---|---|
| | Previous Part # | Part # | | |
| 1/8" | 179-0202 | 1790202C | --- | 25 |
| 3/16" | 179-0303 | 1790303C | --- | 100 |
| 1/4" x 1/8" | 179-0402 | 1790402C | --- | 25 |
| 1/4" | 179-0404 | 1790404C | 1790404CLF | 25 |
| 5/16" | 179-0505 | 1790505C | --- | 25 |
| 3/8" x 1/4" | 179-0604 | 1790604C[1] | --- | 25 |
| 3/8" x 1/4" | --- | 1790604BARB | --- | 25 |
| 3/8" | 179-0606 | 1790606C | 1790606CLF | 25 |
| 1/2" x 3/8" | 179-0806 | 1790806C | --- | 25 |
| 1/2" | 179-0808 | 1790808C | --- | 25 |
| 5/8" | 179-1010 | 1791010C | --- | 25 |
| 3/4" x 1/2" | 179-1208 | 1791208C | --- | 25 |
| 3/4" | 179-1212 | 1791212C | --- | 20 |

[1] Drop leg has 1/4"-18 male NPTF thread

| Hose I.D. | 304 Stainless Steel | | Pkg Qty |
|---|---|---|---|
| | Previous Part # | Part # | |
| 1/4" | 179-0404SS | 1790404SS | 25 |
| 3/8" | 179-0606SS | 1790606SS | 25 |
| 1/2" | 179-0808SS | 1790808SS | 25 |

# Hose Fittings

## Male NPTF x Hose Barb 45° Elbow

| Hose I.D. | Male NPTF | Brass | | Pkg Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/4" | 1/8" | 139-0402 | 1390402C | 100 |
| | 1/4" | 139-0404 | 1390404C | 25 |
| 3/8" | 1/8" | 139-0602 | 1390602C | 100 |
| | 1/4" | 139-0604 | 1390604C | 100 |
| | 3/8" | 139-0606 | 1390606C | 25 |
| 1/2" | 1/4" | 139-0804 | 1390804C | 25 |
| | 3/8" | 139-0806 | 1390806C | 25 |
| | 1/2" | 139-0808 | 1390808C | 25 |
| 3/4" | 1/2" | 139-1208 | 1391208C | 25 |



## Male 45° SAE x Hose Barb

| Hose I.D. | Tube O.D. | Male UNF | Brass | | Pkg Qty |
|---|---|---|---|---|---|
| | | | Previous Part # | Part # | |
| 3/16" | 1/4" | 7/16"-20 | 142-0307 | 1420307C | 100 |
| 1/4" | 1/4" | 7/16"-20 | 142-0407 | 1420407C | 100 |
| | 3/8" | 5/8"-18 | 142-0410 | 1420410C | 100 |
| 5/16" | 5/16" | 1/2"-20 | 142-0508 | 1420508C | 100 |
| 3/8" | 3/8" | 5/8"-18 | 142-0610 | 1420610C | 50 |
| | 1/2" | 3/4"-16 | 142-0612 | 1420612C | 50 |
| 1/2" | 1/2" | 3/4"-16 | 142-0812 | 1420812C | 50 |



## Female 45° SAE/37° JIC Swivel x Hose Barb

| Hose I.D. | Tube O.D. | Female UNF | Brass | | Pkg Qty |
|---|---|---|---|---|---|
| | | | Previous Part # | Part # | |
| 3/16" | 1/4" | 7/16"-20 | 143-0307 | 1430307K | 100 |
| 1/4" | 1/4" | 7/16"-20 | 143-0407 | 1430407K | 100 |
| | | | --- | 1430407KLF[1] | 100 |
| | 5/16" | 1/2"-20 | 143-0408 | 1430408K | 100 |
| 5/16" | 5/16" | 1/2"-20 | 143-0508 | 1430508K | 50 |
| 3/8" | 1/2" | 3/4"-16 | 143-0612 | 1430612K | 100 |
| 1/2" | 1/2" | 3/4"-16 | 143-0812 | 1430812K | 100 |
| | 5/8" | 7/8"-14 | 143-0814 | 1430814K | 50 |



[1] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745

## Hose Fittings

### Female 45° SAE Swivel x Hose Barb



| Hose I.D. | Tube O.D. | Female UNF | Brass | | Pkg Qty |
|---|---|---|---|---|---|
| | | | Previous Part # | Part # | |
| 3/16" | 3/16" | 3/8"-24 | 144-0306 | 1440306K | 100 |
| 1/4" | 3/8" | 5/8"-18 | 144-0410 | 1440410K | 100 |
| 5/16" | 3/8" | 5/8"-18 | 144-0510 | 1440510K | 100 |
| 3/8" | 3/8" | 5/8"-18 | 144-0610 | 1440610K | 100 |
| 1/2" | 1/2" | 3/4"-16 | 144-0812 | 1440812K | 100 |
| 3/4" | 3/4" | 1-1/16"-14 | 144-1217 | 1441217K[1] | 25 |

[1] Notch in nut for SAE identification

### Female 37° JIC Swivel x Hose Barb



| Hose I.D. | Tube O.D. | Female UNF | Brass | | Pkg Qty |
|---|---|---|---|---|---|
| | | | Previous Part # | Part # | |
| 3/8" | 3/8" | 9/16"-18 | 145-0609 | 1450609K | 100 |
| 3/4" | 3/4" | 1-1/16"-12 | 145-1217 | 1451217K | 25 |

### Female PTF-SAE Short Swivel x Hose Barb[1]



| Hose I.D. | Female PTF-SAE Short | Brass | | Pkg Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/4" | 1/4" | 105-0404 | 1050404C | 50 |
| | 3/8" | --- | 1050406C | 100 |
| 5/16" | 1/4" | --- | 1050504C | 50 |
| 3/8" | 1/4" | 105-0604 | 1050604C | 50 |
| | 3/8" | 105-0606 | 1050606C | 50 |
| 1/2" | 3/8" | 105-0806 | 1050806C | 50 |
| | 1/2" | 105-0808 | 1050808C | 25 |
| 5/8" | 1/2" | --- | 1051008C | 25 |
| 3/4" | 1/4" | --- | 1051204C | 25 |
| | 1/2" | --- | 1051208C | 25 |

[1] Swivel is for assembly convenience only, not for live swivel application; operational **PSI** is **80**

# Hose Fittings

## Brass Ferrules for Air & Fluid

**Feature**
- Sold in package quantities only

| Ferrule I.D. | Ferrule Length | End Hole Size | Metal Gauge | Stnd Ind Part # | Bore/Crimp Diameter[1] | Previous Part # | Brass Part # | Pkg Qty |
|---|---|---|---|---|---|---|---|---|
| .478" | .688 | .328 | .024" | 4750 | 0.450 | 2004750C | BFM478 | 50 |
| .500" | 1 | .344 | .024" | 7322 | 0.475 | 2005005C | BFM500 | 50 |
| .528" | 1 | .375 | .024" | 7323 | 0.500 | 2005255C | BFM525 | 50 |
| .528" | 1 | .438 | .024" | 7324 | 0.500 | 2005310C | BFM531 | 50 |
| .562" | 1 | .438 | .024" | 7325 | 0.525 | 2005620C | BFM562 | 50 |
| .593" | 1 | .438 | .024" | 7326 | 0.550 | 2005930C | BFM593 | 50 |
| .625" | 1 | .438 | .024" | 7327 | 0.575 | 2006255C | BFM625 | 50 |
| .656" | 1 | .438 | .024" | 7328 | 0.600 | 2006560C | BFM656 | 50 |
| .687" | 1 | .500 | .024" | 7329 | 0.625 | 2006900C | BFM687 | 50 |
| .718" | 1 | .625 | .024" | 7330 | 0.675 | 2007180C | BFM718 | 50 |
| .718" | 1 | .500 | .024" | 7330B | 0.675 | --- | BFM718B | 50 |
| .750" | 1 | .625 | .024" | 7331 | 0.700 | 2007505C | BFM750 | 50 |
| .750" | 1 | .500 | .024" | 7331B | 0.700 | --- | BFM750B | 50 |
| .781" | 1 | .625 | .024" | 7332 | 0.725 | 2007810C | BFM781 | 50 |
| .781" | 1 | .500 | .024" | 7332B | 0.725 | --- | BFM781B | 50 |
| .812" | 1 | .625 | .024" | 7333 | 0.750 | 2008120C | BFM812 | 50 |
| .380" | .500 | .266 | .016" | 622 | 0.350 | --- | BFL380 | 50 |
| .400" | .469 | .266 | .020" | 619 | 0.375 | 2004000C | BFL400 | 50 |
| .410" | .500 | .266 | .016" | 620 | 0.375 | --- | BFL410 | 50 |
| .450" | .469 | .344 | .016" | 769 | 0.425 | 2004530C | BFL450 | 50 |
| .500" | .500 | .344 | .016" | 624 | 0.450 | 2005000C | BFL500 | 50 |
| .525" | .500 | .344 | .016" | 625 | 0.475 | 2005250C | BFL525 | 50 |
| .548" | .484 | .375 | .016" | 626 | 0.500 | 2005500C | BFL548 | 50 |
| .564" | .750 | .375 | .019" | 3588 | 0.525 | --- | BFL564 | 50 |
| .575" | .484 | .469 | .019" | KK | 0.525 | --- | BFL575 | 50 |
| .600" | .500 | .500 | .019" | JJ | 0.550 | --- | BFL600 | 50 |
| .625" | .500 | .500 | .019" | II | 0.575 | 2006250C | BFL625 | 50 |
| .650" | .500 | .500 | .019" | HH | 0.600 | 2006500C | BFL650 | 50 |
| .675" | .516 | .500 | .019" | GG | 0.625 | 2006750C | BFL675 | 50 |
| .725" | .531 | .500 | .019" | EE | 0.675 | 2007250C | BFL725 | 50 |
| .750" | .531 | .500 | .019" | DD | 0.675 | 2007500C | BFL750 | 50 |
| .775" | .531 | .500 | .016" | CC | 0.700 | 2007750C | BFL775 | 50 |



BFM



BFL

[1] Plain die bore diameter can be used as crimp spec ±.005

NOTE: For use with ribbed and plain dies on page 434

## Brass Ferrules for Fluid

**Feature**
- Sold in package quantities only

| Ferrule I.D. | Ferrule Length | End Hole Size | Metal Gauge | Stnd Ind Part # | Ribbed Die* | Plain Die* | Bore/ Crimp Diameter[1] | Previous Part # | Brass Part # | Pkg Qty |
|---|---|---|---|---|---|---|---|---|---|---|
| .800" | .844" | .688" | .024" | --- | R28 | P29 | 0.750 | --- | BF800 | 25 |
| .825" | .844" | .688" | .024" | --- | R27 | P28 | 0.775 | --- | BF825 | 25 |
| .850" | .563" | .688" | .019" | Z | R26 | P27 | 0.800 | --- | BF850 | 25 |
| .875" | .844" | .688" | .024" | 7244A | R25 | P26 | 0.825 | 2008750C | BFW875 | 25 |
| .900" | .844" | .688" | .024" | 5029A | R24 | P25 | 0.850 | --- | BFW900 | 25 |
| .937" | .844" | .688" | .024" | 7242A | R23 | P24 | 0.875 | 2009250C | BFW925 | 25 |
| .975" | .844" | .688" | .024" | 5028A | R21 | P22 | 0.925 | 2009750C | BFW975 | 25 |
| 1.025" | .844" | .693" | .024" | 7114A | R19 | P20 | 0.975 | 2001025C | BFW1025 | 25 |
| 1.175" | .844" | .875" | .024" | 7088A | R13 | P14 | 1.125 | 2001175C | BFW1175 | 25 |
| 1.050" | .625" | .750" | .025" | 3605 | R18 | P19 | 1.000 | --- | BFMW1050 | 25 |
| 1.100" | .844" | .812" | .024" | 5027A | R16 | P17 | 1.050 | 2001100C | BFMW1100 | 25 |
| 1.150" | .844" | .875" | .024" | 7104A | R15 | P15 | 1.100 | 2009950C | BFMW1150 | 25 |
| 1.225" | .875" | .875" | .025" | 875-K | R11 | P12 | 1.175 | 2001225C | BFMW1225 | 25 |
| 1.275" | .875" | 1.000" | .025" | 875-I | R9 | P10 | 1.225 | --- | BFMW1275 | 25 |
| 1.400" | .687" | 1.125" | .019" | D | R4 | P5 | 1.350 | --- | BFMW1400 | 25 |
| 1.500" | .875" | 1.125" | .025" | 1500 | --- | P1 | 1.450 | 2001500C | BFMW1500 | 25 |



BFMW

## Ribbed and Plain Dies



P29



R28

| Ferrule I.D. | Stnd Ind Part # | Bore/Crimp Diameter[1] | Ribbed Die | Plain Die |
|---|---|---|---|---|
| .478" | 4750 | 0.450 | R41 | P42 |
| .500" | 7322 | 0.475 | R40 | P40 |
| .528" | 7323 | 0.500 | R39 | P39 |
| .528" | 7324 | 0.500 | R39 | P39 |
| .562" | 7325 | 0.525 | R37 | P38 |
| .593" | 7326 | 0.550 | R36 | P37 |
| .625" | 7327 | 0.575 | R35 | P36 |
| .656" | 7328 | 0.600 | R34 | P35 |
| .687" | 7329 | 0.625 | R33 | P34 |
| .718" | 7330 | 0.675 | R31 | P32 |
| .718" | 7330B | 0.675 | R31 | P32 |
| .750" | 7331 | 0.700 | R30 | P31 |
| .750" | 7331B | 0.700 | R30 | P31 |
| .781" | 7332 | 0.725 | R29 | P30 |
| .781" | 7332B | 0.725 | R29 | P30 |
| .812" | 7333 | 0.750 | R28 | P29 |
| .380" | 622 | 0.350 | R44 | P45 |
| .400" | 619 | 0.375 | R44 | P44 |
| .410" | 620 | 0.375 | R43 | P44 |
| .450" | 769 | 0.425 | R41 | P42 |
| .500" | 624 | 0.450 | R40 | P41 |
| .525" | 625 | 0.475 | R39 | P40 |
| .548" | 626 | 0.500 | R38 | P39 |
| .564" | 3588 | 0.525 | R37 | P38 |
| .575" | KK | 0.525 | R37 | P38 |
| .600" | JJ | 0.550 | R36 | P37 |
| .625" | II | 0.575 | R35 | P36 |
| .650" | HH | 0.600 | R34 | P35 |
| .675" | GG | 0.625 | R34 | P34 |
| .725" | EE | 0.675 | R31 | P32 |
| .750" | DD | 0.675 | R30 | P32 |
| .775" | CC | 0.700 | R31 | P31 |
| .800" | --- | 0.750 | R28 | P29 |
| .825" | --- | 0.775 | R27 | P28 |
| .850" | Z | 0.800 | R26 | P27 |
| .875" | 7244A | 0.825 | R25 | P26 |
| .900" | 5029A | 0.850 | R24 | P25 |
| .937" | 7242A | 0.875 | R23 | P24 |
| .975" | 5028A | 0.925 | R21 | P22 |
| 1.025"" | 7114A | 0.975 | R19 | P20 |
| 1.175" | 7088A | 1.125 | R13 | P14 |
| 1.050" | 3605 | 1.000 | R18 | P19 |
| 1.100" | 5027A | 1.050 | R16 | P17 |
| 1.150" | 7104A | 1.100 | R15 | P15 |
| 1.225" | 875-K | 1.175 | R11 | P12 |
| 1.275" | 875-I | 1.225 | R9 | P10 |
| 1.400" | D | 1.350 | R4 | P5 |
| 1.500" | 1500 | 1.450 | --- | P1 |

[1] Plain die bore diameter can be used as crimp spec ±.005

NOTE: Dies for use with 5111A and 1765A ferrule machines on page 436.

## Manually - Operated Brass Ferrule Crimper



### Sizes
- Height: 27" with handle upright
- Base: 8" x 3"
- Body: 7-3/8"

### Features
- Crimps all brass ferrules shown on page 433
- Does not include dies
- Dies for ferrule machines are available in standard sets for all ferrules as tabulated
- (4 segments to a set), supplied with plain or ribbed crimping surface

| Part # |
|---|
| 5111A |

## Air-Operated Brass Ferrule Crimper



### Application
- Provides efficient mass production assembly of hose, ferrules, and fittings

### Features
- The foot pedal permits the use of both hands, reduces fatigue, and speeds production
- Complete with air cylinder, ferrule machine (less dies), fitted hose lengths, and necessary control valves
- Ready for work bench installation
- Crimps all brass ferrules shown on page 433

| Part # |
|---|
| 1765A |

NOTE: Die sizes for ferrules and machine numbers 1765A and 5111A are on page 434.

## Small Hose Crimpers



**Application**
- Hose crimper provides "big tool" crimping advantages at a fraction of the cost

**Feature**
- Rugged, portable, and easy to use

**Specifications**
- 855 crimper with (5) dies for 31/64" (0.484") to 45/64" (0.703") O.D. hose
- 855A crimper with (5) dies for 28/64" (0.437") to 43/64" (0.671") O.D. hose
- Optional dies up to 52/64" O.D. available

| Previous Part # | Part # |
|---|---|
| 200FC | 855 |
| --- | 855A |

## Small Hose Crimper Dies



| Die Bore | Hose O.D. | | Crimper # 855 | Crimper # 855A | Previous Part # | Die Part # |
|---|---|---|---|---|---|---|
| | from | to | | | | |
| .375" | .385" | .406" | optional | optional | 200FC3 | 856-10 |
| .437" | .447" | .468" | optional | standard | --- | 856-7 |
| .484" | .490" | .520" | standard | standard | 200FC4A | 856-4 |
| .531" | .540" | .562" | standard | standard | 200FC4B | 856-3 |
| .578" | .590" | .625" | standard | standard | 200FC5 | 856-2 |
| .625" | .640" | .671" | standard | standard | 200FC6A | 856-1 |
| .687" | .690" | .710" | standard | optional | 200FC6B | 856-5 |
| .750" | .760" | .781" | optional | optional | 200FC8A | 856-8 |
| .812" | .820" | .843" | optional | optional | 200FC8B | 856-9 |

# Large Hose Crimper

**Application**
- For crimping 1/2" to 1" I.D. hoses with larger O.D.s, from 11/16" to 1-1/2"



**Features**
- Crimps standard brass or aluminum ferrules
- Order separate dies for each hose diameter
- Dies sold separately

| Crimper Part # |
|---|
| 860 |

## Large Hose Crimper Dies

| Hose O.D./ Finished Crimp Dimension | Hose O.D. | | Die Part # |
|---|---|---|---|
| | From | To | |
| 11/16" | .687" | .765" | 861-22 |
| 23/32" | .718" | .796" | 861-23 |
| 3/4" | .750" | .828" | 861-24 |
| 25/32" | .781" | .860" | 861-25 |
| 13/16" | .812" | .890" | 861-26 |
| 27/32" | .843" | .921" | 861-27 |
| 7/8" | .875" | .953" | 861-28 |
| 29/32" | .906" | .985" | 861-29 |
| 15/16" | .937" | 1.010" | 861-30 |
| 31/32" | .968" | 1.040" | 861-31 |
| 1" | 1.000" | 1.070" | 861-32 |
| 1-1/32" | 1.031" | 1.110" | 861-33 |
| 1-1/16" | 1.062" | 1.114" | 861-34 |
| 1-1/8" | 1.125" | 1.208" | 861-36 |
| 1-3/16" | 1.187" | 1.265" | 861-38 |
| 1-1/4" | 1.250" | 1.321" | 861-40 |
| 1-5/16" | 1.312" | 1.390" | 861-42 |
| 1-3/8" | 1.375" | 1.453" | 861-44 |
| 1-7/16" | 1.437" | 1.551" | 861-46 |
| 1-1/2" | 1.500" | 1.578" | 861-48 |



## Push-On Hose Barb Fittings

**Assembly Instructions**

1. Trim hose end with smooth square cut
2. Lubricate either push-on fitting, hose, or both.
3. Insert push-on fitting into hose until first barb is in hose.
4. Place end of fitting against a flat object (bench, wall, etc.) and grip the hose one inch from end. Push with a steady force until end of hose is covered by yellow plastic cap.

**Disassembly Instructions**

1. Leaving push-on fitting in place, make a 1" cut in the hose along the barbed end of the fitting. Note: Be careful not to nick barbs when cutting the hose.
2. With firm grip on hose, give a sharp downward pull to release the fitting from the hose.

- Intended for use with Lok-On (push-on style) hose only
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap.



brass



brass cap



303 stainless steel

### Male NPTF x Hose Barb

| Hose I.D. | Male NPTF | Brass | | | Brass Cap Option | | Lead-Free Brass[1] | |
|---|---|---|---|---|---|---|---|---|
| | | Previous Part # | Part # | Pkg Qty | Part # | Pkg Qty | Part # | Pkg Qty |
| 1/4" | 1/8" | BPN21 | 2720402C | 100 | 2720402CBC | 100 | 2720402CLF | 100 |
| | 1/4" | BPN22 | 2720404C | 100 | 2720404CBC | 100 | 2720404CLF | 100 |
| | 3/8" | BPN23 | 2720406C | 50 | 2720406CBC | 50 | --- | --- |
| 5/16" | 1/8" | BPN251 | 2720502C | 100 | --- | --- | --- | --- |
| | 1/4" | BPN252 | 2720504C | 50 | --- | --- | --- | --- |
| 3/8" | 1/8" | BPN31 | 2720602C | 100 | 2720602CBC | 100 | --- | --- |
| | 1/4" | BPN32 | 2720604C | 50 | 2720604CBC | 50 | 2720604CLF | 50 |
| | 3/8" | BPN33 | 2720606C | 50 | 2720606CBC | 50 | 2720606CLF | 50 |
| | 1/2" | BPN34 | 2720608C | 25 | 2720608CBC | 25 | --- | --- |
| | 3/4" | BPN36 | 2720612C | 25 | 2720612CBC | 25 | --- | --- |
| 1/2" | 1/4" | BPN42 | 2720804C | 25 | 2720804CBC | 25 | --- | --- |
| | 3/8" | BPN43 | 2720806C | 25 | 2720806CBC | 25 | 2720806CLF | 50 |
| | 1/2" | BPN44 | 2720808C | 50 | 2720808CBC | 50 | 2720808CLF | 25 |
| | 3/4" | BPN46 | 2720812C | 50 | 2720812CBC | 50 | --- | --- |
| 5/8" | 3/8" | BPN53 | 2721006C | 25 | 2721006CBC | 25 | --- | --- |
| | 1/2" | BPN54 | 2721008C | 25 | 2721008CBC | 25 | --- | --- |
| | 3/4" | BPN56 | 2721012C | 25 | 2721012CBC | 25 | --- | --- |
| 3/4" | 1/2" | BPN64 | 2721208C | 25 | 2721208CBC | 25 | --- | --- |
| | 3/4" | BPN66 | 2721212C | 25 | 2721212CBC | 25 | --- | --- |
| 1" | 3/4" | BPN86 | 2721612C | 10 | --- | --- | --- | --- |
| | 1" | BPN88 | 2721616C[2] | 10 | --- | --- | --- | --- |

| Hose I.D. | Male NPT | 303 Stainless Steel | | Pkg Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/4" | 1/8" | RPN21 | 2720402SS | 100 |
| | 1/4" | RPN22 | 2720404SS | 100 |
| 3/8" | 1/4" | RPN32 | 2720604SS | 50 |
| | 3/8" | RPN33 | 2720606SS | 50 |
| 1/2" | 1/4" | RPN42 | 2720804SS | 25 |
| | 3/8" | RPN43 | 2720806SS | 50 |
| | 1/2" | RPN44 | 2720808SS | 25 |
| 3/4" | 1/2" | RPN64 | 2721208SS | 25 |
| | 3/4" | RPN66 | 2721212SS | 20 |
| 1" | 1" | RPN88 | 2721616SS[2] | 5 |

[1] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745

[2] Capped

NOTE: Refer to page 441 for push-on garden hose thread fittings

NOTE: Optional package quantity

### Male NPTF Swivel x Hose Barb



| Hose I.D. | Male NPTF | Brass | | Pkg Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/4" | 1/8" | 271-0402 | 2710402C | 100 |
| | 1/4" | 271-0404 | 2710404C | 50 |
| 3/8" | 1/4" | 271-0604 | 2710604C | 50 |
| | 3/8" | 271-0606 | 2710606C | 50 |
| 1/2" | 3/8" | 271-0806 | 2710806C | 25 |
| | 1/2" | 271-0808 | 2710808C | 20 |
| 3/4" | 3/4" | 271-1212 | 2711212C | 10 |

# Push-On Hose Barb Fittings

**Application**
- Intended for use with Lok-On (push-on style) hose only

**Features**
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap

## Male NPTF x Hose Barb 90° Elbow

| Hose I.D. | Male NPTF | Brass | | Pkg Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/4" | 1/8"-27 | 273-0402 | 2730402C | 100 |
| | 1/4"-18 | 273-0404 | 2730404C | 50 |
| 3/8" | 1/8"-27 | 273-0602 | 2730602C | 50 |
| | 1/4"-18 | 273-0604 | 2730604C | 50 |
| | 3/8"-18 | 273-0606 | 2730606C | 25 |
| 1/2" | 3/8"-18 | 273-0806 | 2730806C | 25 |
| | 1/2"-14 | 273-0808 | 2730808C | 25 |
| 3/4" | 1/2"-14 | 273-1208 | 2731208C | 10 |
| | 3/4"-14 | 273-1212 | 2731212C | 10 |



## Female NPTF x Hose Barb

**Feature**
- Refer to page 441 for push-on garden hose thread fittings

| Hose I.D. | Female NPTF | Brass | | Pkg Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/4" | 1/8" | BPF21 | 2740402C | 100 |
| | | --- | 2740402CBC[1] | 100 |
| | 1/4" | BPF22 | 2740404C | 100 |
| | | --- | 2740404CBC[1] | 100 |
| | 3/8" | BPF23 | 2740406C | 50 |
| | | --- | 2740406CBC[1] | 50 |
| 5/16" | 1/8" | BPF251 | 2740502C | 100 |
| | 1/4" | BPF252 | 2740504C | 50 |
| 3/8" | 1/8" | BPF31 | 2740602C | 50 |
| | | --- | 2740602CBC[1] | 50 |
| | 1/4" | BPF32 | 2740604C | 50 |
| | | --- | 2740604CBC[1] | 50 |
| | 3/8" | BPF33 | 2740606C | 50 |
| | | --- | 2740606CBC[1] | 50 |
| | 1/2" | BPF34 | 2740608C | 50 |
| | 3/4" | BPF36 | 2740612C | 25 |
| 1/2" | 1/4" | BPF42 | 2740804C | 50 |
| | | --- | 2740804CBC[1] | 50 |
| | 3/8" | BPF43 | 2740806C | 50 |
| | | --- | 2740806CBC[1] | 50 |
| | 1/2" | BPF44 | 2740808C | 25 |
| | | --- | 2740808CBC[1] | 25 |
| | 3/4" | BPF46 | 2740812C | 25 |
| | | --- | 2740812CBC[1] | 25 |
| 5/8" | 3/8" | BPF53 | 2741006C | 25 |
| | 1/2" | BPF54 | 2741008C | 25 |
| | | --- | 2741008CBC[1] | 25 |
| | 3/4" | BPF56 | 2741012C | 25 |
| 3/4" | 1/2" | BPF64 | 2741208C | 25 |
| | 3/4" | BPF66 | 2741212C | 25 |
| | | --- | 2741212CBC[1] | 25 |
| 1" | 3/4" | BPF86 | 2741612C | 10 |
| | 1" | BPF88 | 2741616C | 10 |





brass cap

## Push-On Hose Barb Fittings

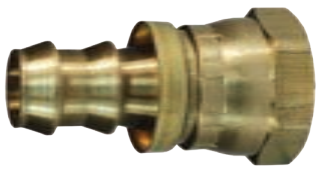
**Application**

- Intended for use with Lok-On (push-on style) hose only

**Features**

- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap





brass cap

### Female NPSM Swivel x Hose Barb Ball Seat

| Hose I.D. | Female NPSM | Brass | | Pkg Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/4" | 1/8" | BPFS21 | 2780402C | 100 |
| | | --- | 2780402CBC[1] | 100 |
| | 1/4" | BPFS22 | 2780404C | 50 |
| | | --- | 2780404CBC[1] | 50 |
| | 3/8" | BPFS23 | 2780406C | 50 |
| | | --- | 2780406CBC[1] | 50 |
| 3/8" | 1/4" | BPFS32 | 2780604C | 50 |
| | | --- | 2780604CBC[1] | 50 |
| | 3/8" | BPFS33 | 2780606C | 50 |
| | | --- | 2780606CBC[1] | 50 |
| | 1/2" | BPFS34 | 2780608C | 25 |
| 1/2" | 1/2" | BPFS44 | 2780808C | 50 |
| | | --- | 2780808CBC[1] | 50 |
| | 3/4" | BPFS46 | 2780812C | 25 |
| | | --- | 2780812CBC[1] | 20 |
| 5/8" | 3/4" | BPFS56 | 2781012C | 20 |
| 3/4" | 3/4" | BPFS66 | 2781212C | 20 |
| | | --- | 2781212CBC[1] | --- |

[1] Brass cap on CBC parts





brass cap

### Female NPSM Swivel x Hose Barb Gasket Seat

| Hose I.D. | Female NPSM | Brass | | Pkg Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/4" | 1/8" | 280-0402 | 2800402C | 100 |
| | | --- | 2800402CBC[1] | 100 |
| | 1/4" | 280-0404 | 2800404C | 100 |
| | | --- | 2800404CBC[1] | 100 |
| 3/8" | 1/4" | 280-0604 | 2800604C | 50 |
| | | --- | 2800604CBC[1] | 50 |
| | 3/8" | 280-0606 | 2800606C | 50 |
| | | --- | 2800606CBC[1] | 50 |
| | 1/2" | 280-0608 | 2800608C | 50 |
| | | --- | 2800608CBC[1] | 50 |
| 1/2" | 1/2" | 280-0808 | 2800808C | 25 |
| | | --- | 2800808CBC[1] | 25 |
| 5/8" | 1/2" | 280-1008 | 2801008C | 25 |
| 3/4" | 3/4" | 280-1212 | 2801212C | 20 |
| | | --- | 2801212CBC[1] | 20 |

[1] Brass cap on CBC parts

NOTE: Parts include 80 duro neoprene washer





brass cap

### Hose Menders

| Hose I.D. | Brass | | 303 Stainless Steel | | Pkg Qty |
|---|---|---|---|---|---|
| | Previous Part # | Part # | Previous Part # | Part # | |
| 1/4" | BPM2 | 2960404C | SSPM2 | 2960404SS | 100 |
| | --- | 2960404CBC[1] | --- | --- | 100 |
| 5/16" | BPM25 | 2960505C | --- | --- | 100 |
| 3/8" | BPM3 | 2960606C | SSPM3 | 2960606SS | 50 |
| | --- | 2960606CBC[1] | --- | --- | 50 |
| 1/2" | BPM4 | 2960808C | SSPM4 | 2960808SS | 50 |
| | --- | 2960808CBC[1] | --- | --- | 50 |
| 5/8" | BPM5 | 2961010C | --- | --- | 20 |
| | --- | 2961010CBC[1] | --- | --- | 20 |
| 3/4" | BPM6 | 2961212C | --- | --- | 15 |
| | --- | 2961212CBC[1] | --- | --- | 15 |
| 1" | BPM8 | 2961616C | --- | --- | 10 |

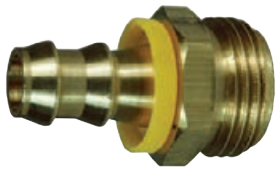
# Push-On Hose Barb Fittings

**Application**
- Intended for use with Lok-On (push-on style) hose only

**Features**
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap

## Lok-On Male Garden Hose Fittings

| Hose I.D. | GHT Thread | Brass | |
|---|---|---|---|
| | | Previous Part # | Part # |
| 1/2" | 3/4" | 572-0812 | 5720812C |
| 5/8" | 3/4" | 572-1012 | 5721012C |
| 3/4" | 3/4" | 572-1212 | 5721212C |



## Lok-On Female Swivel Garden Hose Fittings

| Hose I.D. | GHT Thread | Brass | |
|---|---|---|---|
| | | Previous Part # | Part # |
| 1/2" | 3/4" | 574-0812 | 5740812C |
| 5/8" | 3/4" | 574-1012 | 5741012C |
| 3/4" | 3/4" | 574-1212 | 5741212C |



## Lok-On Garden Hose Fitting Sets

**Feature**
- Washer included, part # 5911212W on page 412

| Hose I.D. | GHT Thread | Brass | |
|---|---|---|---|
| | | Previous Part # | Part # |
| 1/2" | 3/4" | 575-0808 | 5750808K |
| 5/8" | 3/4" | 575-1010 | 5751010K |
| 3/4" | 3/4" | 575-1212 | 5751212K |



## SAE Thread Size to UNF Thread Size Interchange

| SAE Thread Number | SAE Tube O.D. | UNF Thread Size | SAE Thread Number | SAE Tube O.D. | UNF Thread Size |
|---|---|---|---|---|---|
| 02 | 1/8" | 5/16"- 24 | 07 | 7/16" | 11/16" - 24 |
| 03 | 3/16" | 3/8" - 24 | 08 | 1/2" | 3/4" - 16 |
| 04 | 1/4" | 7/16" - 20 | 10 | 5/8" | 7/8" -14 |
| 05 | 5/16" | 1/2" - 20 | 12 | 3/4" | 1-1/16"-14 |
| 06 | 3/8" | 5/8" -18 | --- | --- | --- |

## Male 45° SAE Swivel x Hose Barb

| Hose I.D. | Tube O.D. | Male UNF | Brass | | Pkg Qty |
|---|---|---|---|---|---|
| | | | Previous Part # | Part # | |
| 1/4" | 1/4" | 7/16"-20 | 282-0407 | 2820407C | 100 |
| | | | --- | 2820407CBC[2] | 100 |
| | 5/16" | 1/2"-20 | 282-0408 | 2820408C | 100 |
| | | | --- | 2820408CBC[2] | 100 |
| 3/8" | 3/8" | 5/8"-18[1] | 282-0610 | 2820610C | 50 |
| | | | --- | 2820610CBC[2] | 100 |
| 1/2" | 1/2" | 3/4"-16 | 282-0812 | 2820812C | 50 |
| | | | --- | 2820812CBC[2] | 50 |
| 5/8" | 5/8" | 7/8"-14 | 282-1014 | 2821014C | 25 |
| | | | --- | 2821014CBC[2] | 25 |
| 3/4" | 3/4" | 1-1/16"-14[1] | 282-1217 | 2821217C | 25 |
| | | | --- | 2821217CBC[2] | 25 |





brass cap

## Push-On Hose Barb Fittings

**Application**
- Intended for use with Lok-On (push-on style) hose only

**Features**
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap

### Female 45° SAE Swivel x Hose Barb



brass cap

**Features**
- Notch in nut for SAE identification
- SAE thread size to UNF thread size interchange chart on previous page

| Hose I.D. | Tube O.D. | Female UNF | Brass | | Pkg Qty |
|---|---|---|---|---|---|
| | | | Previous Part # | Part # | |
| 1/4" | 3/8" | 5/8"-18 | 284-0410 | 2840410C | 50 |
| | | | --- | 2840410CBC[1] | |
| 5/16" | 3/8" | 5/8"-18 | 284-0510 | 2840510C | 50 |
| 3/8" | 3/8" | 5/8"-18 | 284-0610 | 2840610C | 50 |
| | | | --- | 2840610CBC[1] | |
| 3/4" | 3/4" | 1-1/16"-14 | 284-1217 | 2841217C | 25 |
| | | | --- | 2841217CBC[1] | |

[1] Brass cap on CBC parts

### JIC Thread Size to UNF Thread Size Interchange

| JIC Thread Number | JIC Tube O.D. | UNF Thread Size | JIC Thread Number | JIC Tube O.D. | UNF Thread Size |
|---|---|---|---|---|---|
| 02 | 1/8" | 5/16"- 24 | 12 | 3/4" | 1–1/16" - 12 |
| 03 | 3/16" | 3/8" - 24 | 14 | 7/8" | 1-3/16" - 12 |
| 04 | 1/4" | 7/16" - 20 | 16 | 1" | 1–5/16" - 12 |
| 05 | 5/16" | 1/2" - 20 | 20 | 1-1/4" | 1–5/8" - 12 |
| 06 | 3/8" | 9/16" - 18 | 24 | 1-1/2" | 1–7/8" - 12 |
| 08 | 1/2" | 3/4" - 16 | 28 | 1-3/4" | 2–1/4" - 12 |
| 10 | 5/8" | 7/8" - 14 | 32 | 2" | 2–1/2" - 12 |

### Male 37° JIC x Hose Barb



brass cap

| Hose I.D. | Tube O.D. | Male UNF | Brass | | Pkg Qty |
|---|---|---|---|---|---|
| | | | Previous Part # | Part # | |
| 1/4" | 1/4" | 7/16"-20 | 286-0407 | 2860407C | 100 |
| | | | --- | 2860407CBC[2] | |
| | 5/16" | 1/2"-20 | 286-0408 | 2860408C | 50 |
| | 3/8" | 9/16"-18 | 286-0409 | 2860409C | 100 |
| | | | --- | 2860409CBC[2] | |
| 3/8" | 3/8" | 9/16"-18 | 286-0609 | 2860609C | 50 |
| | | | --- | 2860609CBC[2] | |
| 1/2" | 1/2" | 3/4"-16 | 286-0812 | 2860812C | 25 |
| | | | --- | 2860812CBC[2] | |
| 5/8" | 5/8" | 7/8"-14 | 286-1014 | 2861014C | 25 |
| | | | --- | 2861014CBC[2] | |
| 3/4" | 3/4" | 1-1/16"-12 | 286-1217 | 2861217C[1] | 10 |
| | | | --- | 2861217CBC[1,2] | |

[1] UN Thread
[2] Brass cap on CBC parts

# Push-On Hose Barb Fittings

## Application

- Intended for use with Lok-On (push-on style) hose only

## Features

- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap

### Female 45° SAE/37° JIC Swivel x Hose Barb

| Hose I.D. | Tube O.D. | Female UNF | Brass | | | Lead-Free Brass[1] Part # |
|---|---|---|---|---|---|---|
| | | | Previous Part # | Part # | Pkg Qty | |
| 1/4" | 1/4" | 7/16"-20 | 287-0407 | 2870407C | 100 | 2870407CLF |
| | | | --- | 2870407CBC[2] | 100 | --- |
| | 5/16" | 1/2"-20 | 287-0408 | 2870408C | 100 | --- |
| | | | --- | 2870408CBC[2] | 100 | --- |
| 3/8" | 5/16" | 1/2"-20 | 287-0608 | 2870608C | 25 | --- |
| | 1/2" | 3/4"-16 | 287-0612 | 2870612C | 25 | --- |
| | | | --- | 2870612CBC[2] | 25 | --- |
| 1/2" | 1/2" | 3/4"-16 | 287-0812 | 2870812C | 25 | --- |
| | | | --- | 2870812CBC[2] | 25 | --- |
| | 5/8" | 7/8"-14 | 287-0814 | 2870814C | 25 | --- |
| | | | --- | 2870814CBC[2] | 25 | --- |
| 5/8" | 5/8" | 7/8"-14 | 287-1014 | 2871014C | 25 | --- |
| | | | --- | 2871014CBC[2] | 25 | --- |
| 3/4" | 5/8" | 7/8"-14 | 287-1214 | 2871214C | 25 | --- |
| | | | --- | 2871214CBC[2] | 25 | --- |



plastic cap



brass cap

| Hose I.D. | Tube O.D. | Female UNF | 303 Stainless Steel | |
|---|---|---|---|---|
| | | | Previous Part # | Part # |
| 1/4" | 1/4" | 7/16"-20 | 287-0407SS | 2870407SS |
| 1/2" | 1/2" | 3/4"-16 | 287-0812SS | 2870812SS |



stainless steel

[1] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745

[2] Brass cap on CBC parts

### Female 37° JIC Swivel x Hose Barb

| Hose I.D. | Tube O.D. | Female UNF | Brass | | Pkg Qty |
|---|---|---|---|---|---|
| | | | Previous Part # | Part # | |
| 1/4" | 3/8" | 9/16"-18 | 288-0409 | 2880409C | 50 |
| | | | --- | 2880409CBC[1] | 50 |
| 5/16" | 3/8" | 9/16"-18 | 288-0509 | 2880509C | 50 |
| 3/8" | 3/8" | 9/16"-18 | 288-0609 | 2880609C | 50 |
| | | | --- | 2880609CBC[1] | 100 |
| 1/2" | 3/8" | 9/16"-18 | 288-0809 | 2880809C | 25 |
| 3/4" | 3/4" | 1-1/16"-12 [2] | 288-1217 | 2881217C | 10 |
| | | | --- | 2881217CBC[1] | 10 |
| 1" | 1" | 1-5/16"-12 [2] | 288-1621 | 2881621C | 10 |



brass

[1] Brass cap on CBC parts

| Hose I.D. | Tube O.D. | Female UNF | 303 Stainless Steel | |
|---|---|---|---|---|
| | | | Previous Part # | Part # |
| 3/8" | 3/8" | 9/16"-18 | 288-0609SS | 2880609SS |
| 3/4" | 3/4" | 1-1/16"-12[2] | 288-1217SS | 2881217SS |
| 1" | 1" | 1-5/16"-12[2] | 288-1621SS | 2881621SS |



303 stainless steel

[2] UN Thread

### Female 37° JIC / 45° SAE Swivel x 90° Elbow

| Hose I.D. | Tube O.D. | Female UNF | Plated Steel | | Pkg Qty |
|---|---|---|---|---|---|
| | | | Previous Part # | Part # | |
| 1/4" | 1/4" | 7/16"-20 | 289-0407 | 2890407C[2] | 25 |
| | | | 289-0407SAE | 2890407CSAE[1] | 25 |
| 3/8" | 3/8" | 9/16"-18 | 289-0609 | 2890609C[2] | 25 |
| | | 5/8"-18 | 289-0610SAE | 2890610CSAE[1] | 25 |
| 1/2" | 1/2" | 3/4"-16 | 289-0812 | 2890812C[2] | 10 |
| 3/4" | 3/4" | 1-1/16"-12 [3] | 289-1217 | 2891217C[2] | 5 |



[1] Notch in nut for SAE identification

# Push-On Hose Barb Fittings

**Application**
- Intended for use with Lok-On (push-on style) hose only

**Features**
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap





brass cap

## Male SAE Inverted Flare Swivel x Hose Barb

| Hose I.D. | Tube O.D. | Male UNF | Brass | | Pkg Qty |
|---|---|---|---|---|---|
| | | | Previous Part # | Part # | |
| 1/4" | 3/16" | 3/8"-24 | 290-0406 | 2900406C | 100 |
| | | | --- | 2900406CBC[2] | 100 |
| | 1/4" | 7/16"-24[1] | 290-0407 | 2900407C | 100 |
| | | | --- | 2900407CBC[2] | 100 |
| | 5/16" | 1/2"-20 | 290-0408 | 2900408C | 100 |
| | | | --- | 2900408CBC[2] | 100 |
| 5/16" | 5/16" | 1/2"-20 | 290-0508 | 2900508C | 50 |
| | 3/8" | 5/8"-18 | 290-0510 | 2900510C | 50 |
| 3/8" | 5/16" | 1/2"-20 | 290-0608 | 2900608C | 100 |
| | | | --- | 2900608CBC[2] | 100 |
| | 3/8" | 5/8"-18 | 290-0610 | 2900610C | 50 |
| | | | --- | 2900610CBC[2] | 50 |
| 1/2" | 1/2" | 3/4"-18[1] | 290-0812 | 2900812C | 50 |
| | | | --- | 2900812CBC[2] | 50 |
| 5/8" | 5/8" | 7/8"-18[1] | 290-1014 | 2901014C | 25 |
| | | | --- | 2901014CBC[2] | 25 |

[1] UNS thread
[2] Brass cap on CBC parts



## Female SAE Inverted Flare Rigid x Hose Barb

| Hose I.D. | Tube O.D. | Female UNF | Brass | | Pkg Qty |
|---|---|---|---|---|---|
| | | | Previous Part # | Part # | |
| 1/4" | 3/16" | 3/8"-24 | 292-0406 | 2920406C | 100 |
| | | | --- | 2920406CBC[2] | 100 |
| | 1/4" | 7/16"-24[1] | 292-0407 | 2920407C | 100 |
| | | | --- | 2920407CBC[2] | 100 |
| | 5/16" | 1/2"-20 | 292-0408 | 2920408C | 100 |
| | | | --- | 2920408CBC[2] | 100 |
| 5/16" | 5/16" | 1/2"-20 | 292-0508 | 2920508C | 100 |
| 3/8" | 5/16" | 1/2"-20 | 292-0608 | 2920608C | 100 |
| | | | --- | 2920608CBC[2] | 100 |
| | 3/8" | 5/8"-18 | 292-0610 | 2920610C | 50 |
| | | | --- | 2920610CBC[2] | 50 |
| 1/2" | 1/2" | 3/4"-18[1] | 292-0812 | 2920812C | 25 |
| | | | --- | 2920812CBC[2] | 25 |

[1] UNS Thread
[2] Brass cap on CBC parts



## Rigid Tube x Hose Barb

| Hose I.D. | Tube O.D. | Brass | | 303 Stainless Steel | | Pkg Qty |
|---|---|---|---|---|---|---|
| | | Previous Part # | Part # | Previous Part # | Part # | |
| 1/4" | 3/16" | 294-0403 | 2940403C | --- | --- | 100 |
| | | --- | 2940403CBC[1] | --- | --- | 100 |
| | 1/4" | 294-0404 | 2940404C | 294-0404SS | 2940404SS | 100 |
| | | --- | 2940404CBC[1] | --- | --- | 100 |
| | 5/16" | 294-0405 | 2940405C | --- | --- | 100 |
| | | --- | 2940405CBC[1] | --- | --- | 100 |
| 3/8" | 3/8" | 294-0606 | 2940606C | 294-0606SS | 2940606SS | 50 |
| | | --- | 2940606CBC[1] | --- | --- | 50 |
| 1/2" | 1/2" | 294-0808 | 2940808C | 294-0808SS | 2940808SS | 50 |
| | | --- | 2940808CBC[1] | --- | --- | 50 |
| 5/8" | 5/8" | 294-1010 | 2941010C | --- | --- | 25 |
| | | --- | 2941010CBC[1] | --- | --- | 25 |

## Push-On Fittings Tool

### Size
- Overall size is 13-1/2" long x 2-3/8" wide x 7" height

### Features
- Cuts push-on style hose and inserts the fitting
- Built-in cutter slices through 1/4" - 3/4" I.D. reinforced push-on hose without fraying
- Clamp hose into tools vice and apply light pressure on handle to drive in the fitting



### Specification
- Tool has four 7/16" diameter mounting holes for bench mounting

### Installation Instructions
1. To cut your hose, retract the handle, place the hose in the cutter area and pull the handle.
2. After cutting the hose to the desired length, place the hose under the cam handle locking it in place with the hose end aligned with the appropriate mark on the label.
3. Place the barbed end of the fitting against the end of the hose and then pull the handle forward to complete the installation.

| Size | Part # |
|---|---|
| 1/4" - 3/4" | 270AT |

⚠ Caution: Push-on fittings will properly grip push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap.

## Hose Assembly Tool

### Application
- Installs 1/4", 5/16", and 3/8" hose fittings



### Features
- Lightweight, portable, comfortable cushioned grip
- Economical

| Part # |
|---|
| HHCI |

## Yellow Lok-on Caps

### Application
- Intended for use with Lok-On (push-on style) hose only

### Features
- No hose clamps or ferrules are needed for installation ⚠
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap



| Hose I.D. | Plastic Part # | Pkg Qty |
|---|---|---|
| 1/4" | 2720400W | 25 |
| 5/16" | 2720500W | 25 |
| 3/8" | 2720600W | 25 |
| 1/2" | 2720800W | 25 |
| 5/8" | 2721000W | 25 |
| 3/4" | 2721200W | 25 |
| 1" | 2721600W | 5 |

NOTE: Sold in package quantities only.

## Reusable Fittings

**⚠WARNING**

Except as specifically noted as to a specific fitting, NO hose fittings manufactured and/or sold by any Dixon® company can be safely used in life dependency applications such as diving, for oxygen, air, or other breathing applications. Our fittings are NOT designed and NOT recommended for such use and should NOT BE USED for that purpose. Use of non-approved hose fittings in such applications can result in death or grave personal injuries.

**Application**
- Recommended for low pressure air hose

**Features**
- Durable, easily repaired hose connection
- Caution: check hose O.D. and I.D. accurately before ordering

**Specification**
- Maximum working pressure: **250 PSI** at ambient temperature **70°F (21°C)**



**Male Stem and Ferrule Set - Unassembled**

| Hose I.D. | Hose O.D. | Male NPTF | Brass | | Pkg Qty |
|---|---|---|---|---|---|
| | | | Previous Part # | Part # | |
| 1/4" | 1/2" | 1/8" | BN21RU50 | 1834082K | 100 |
| | 9/16" | | BN21RU56 | 1834092K | 100 |
| | 5/8" | | BN21RU62 | 1834102K | 100 |
| | 1/2" | 1/4" | BN22RU50 | 1834084K | 50 |
| | 9/16" | | BN22RU56 | 1834094K | 50 |
| | 5/8" | | BN22RU62 | 1834104K | 50 |
| | 1/2" | 3/8" | BN23RU50 | 1834086K | 50 |
| | 9/16" | | BN23RU56 | 1834096K | 50 |
| | 5/8" | | BN23RU62 | 1834106K | 50 |
| 5/16" | 9/16" | 1/4" | BN252RU56 | 1835094K | 50 |
| | 5/8" | | BN252RU62 | 1835104K | 50 |
| | 11/16" | | BN252RU68 | 1835114K | 50 |
| | 9/16" | 3/8" | BN253RU56 | 1835096K | 50 |
| | 5/8" | | BN253RU62 | 1835106K | 50 |
| | 11/16" | | BN253RU68 | 1835116K | 50 |
| 3/8" | 5/8" | 1/4" | BN32RU62 | 1836104K | 50 |
| | 11/16" | | BN32RU68 | 1836114K | 50 |
| | 3/4" | | BN32RU75 | 1836124K | 50 |
| | 5/8" | 3/8" | BN33RU62 | 1836106K | 50 |
| | 11/16" | | BN33RU68 | 1836116K | 50 |
| | 3/4" | | BN33RU75 | 1836126K | 50 |
| | 5/8" | 1/2" | BN34RU62 | 1836108K | 50 |
| | 11/16" | | BN34RU68 | 1836118K | 50 |
| | 3/4" | | BN34RU75 | 1836128K | 50 |
| 1/2" | 7/8" | 1/4" | BN42RU87 | 1838144K | 25 |
| | 15/16" | | BN42RU93 | 1838154K | 25 |
| | 1" | | BN42RU99 | 1838164K | 25 |
| | 7/8" | 3/8" | BN43RU87 | 1838146K | 25 |
| | 15/16" | | BN43RU93 | 1838156K | 25 |
| | 1" | | BN43RU99 | 1838166K | 25 |
| | 7/8" | 1/2" | BN44RU87 | 1838148K | 20 |
| | 15/16" | | BN44RU93 | 1838158K | 20 |
| | 1" | | BN44RU99 | 1838168K | 20 |



| Hose I.D. | Hose O.D. | Male NPT | 303 Stainless Steel | | Pkg Qty |
|---|---|---|---|---|---|
| | | | Previous Part # | Part # | |
| 1/4" | 1/2" | 1/8" | BN21RU50SS | 1834082KSS | 100 |
| | 9/16" | | BN21RU56SS | 1834092KSS | 100 |
| | 5/8" | | BN21RU62SS | 1834102KSS | 100 |
| | 1/2" | 1/4" | BN22RU50SS | 1834084KSS | 50 |
| | 9/16" | | BN22RU56SS | 1834094KSS | 50 |
| | 5/8" | | BN22RU62SS | 1834104KSS | 50 |
| 5/16" | 9/16" | 1/4" | BN252RU56SS | 1835094KSS | 50 |
| | 5/8" | | BN252RU62SS | 1835104KSS | 50 |
| 3/8" | 5/8" | 1/4" | BN32RU62SS | 1836104KSS | 50 |
| | 11/16" | | BN32RU68SS | 1836114KSS | 50 |
| | 3/4" | | BN32RU75SS | 1836124KSS | 50 |
| | 5/8" | 3/8" | BN33RU62SS | 1836106KSS | 50 |
| | 11/16" | | BN33RU68SS | 1836116KSS | 50 |
| | 3/4" | | BN33RU75SS | 1836126KSS | 50 |
| | 7/8" | | BN43RU87SS | 1838146KSS | 25 |
| | 15/16" | | BN43RU93SS | 1838156KSS | 25 |

# Reusable Fittings

**⚠WARNING**

Except as specifically noted as to a specific fitting, NO hose fittings manufactured and/or sold by any Dixon® company can be safely used in life dependency applications such as diving, for oxygen, air, or other breathing applications. Our fittings are NOT designed and NOT recommended for such use and should NOT BE USED for that purpose. Use of non-approved hose fittings in such applications can result in death or grave personal injuries.

## Swivel Stems

| Hose I.D. | Female NPSM | Brass Part # | Optional Qty |
|---|---|---|---|
| 1/4" | 1/4"-18 | 1840404A | 50 |
| | 3/8"-18 | 1840406A | 50 |
| 5/16" | 1/4"-18 | 1840504A | 50 |
| 3/8" | 1/4"-18 | 1840604A | 50 |
| | 3/8"-18 | 1840606A | 50 |
| 1/2" | 1/2"-14 | 1840808A | 25 |



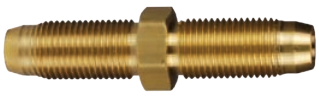
## Female Swivel Stem and Ferrule Set - Unassembled

| Hose I.D. | Hose O.D. | Female NPSM | Brass | | Optional Qty |
|---|---|---|---|---|---|
| | | | Previous Part # | Part # | |
| 1/4" | 1/2" | 1/4" | 185-4084 | 1854084K | 50 |
| | 9/16" | | 185-4094 | 1854094K | 50 |
| | 5/8" | | 185-4104 | 1854104K | 50 |
| | 1/2" | 3/8" | 185-4086 | 1854086K | 50 |
| | 9/16" | | 185-4096 | 1854096K | 50 |
| | 5/8" | | 185-4106 | 1854106K | 50 |
| 5/16" | 9/16" | 1/4" | 185-5094 | 1855094K | 50 |
| | 5/8" | | 185-5104 | 1855104K | 50 |
| | 11/16" | | 185-5114 | 1855114K | 50 |
| 3/8" | 5/8" | 1/4" | 185-6104 | 1856104K | 50 |
| | 11/16" | | 185-6114 | 1856114K | 50 |
| | 3/4" | | 185-6124 | 1856124K | 50 |
| | 5/8" | 3/8" | 185-6106 | 1856106K | 50 |
| | 11/16" | | 185-6116 | 1856116K | 50 |
| | 3/4" | | 185-6126 | 1856126K | 50 |
| 1/2" | 7/8" | 1/2" | 185-8148 | 1858148K | 20 |
| | 15/16" | | 185-8158 | 1858158K | 20 |
| | 1" | | 185-8168 | 1858168K | 20 |



## Splicer Stems

| Hose I.D. | Brass Part # | Optional Qty |
|---|---|---|
| 1/4" | 1860404S | 100 |
| 3/8" | 1860606S | 50 |



## Hose Splicers - Unassembled

| Hose I.D. | Hose O.D. | Brass | | Optional Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/4" | 1/2" | 187-0408 | 1870408K | 50 |
| | 9/16" | 187-0409 | 1870409K | 50 |
| | 5/8" | 187-0410 | 1870410K | 50 |
| 3/8" | 5/8" | 187-0610 | 1870610K | 25 |
| | 11/16" | 187-0611 | 1870611K | 25 |
| | 3/4" | 187-0612 | 1870612K | 25 |



## Reusable Fittings

**⚠WARNING**

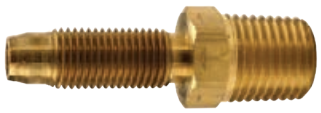
Except as specifically noted as to a specific fitting, NO hose fittings manufactured and/or sold by any Dixon® company can be safely used in life dependency applications such as diving, for oxygen, air, or other breathing applications. Our fittings are NOT designed and NOT recommended for such use and should NOT BE USED for that purpose. Use of non-approved hose fittings in such applications can result in death or grave personal injuries.

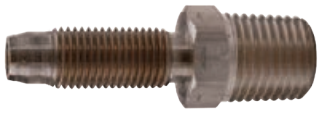




### Ferrules

| Hose I.D. | Hose O.D. | Brass Part # | 303 Stainless Steel Part # | Opt Qty |
|---|---|---|---|---|
| 1/4" | 1/2" | 1800408F | 1800408FSS | 100 |
| | 9/16" | 1800409F | 1800409FSS | 50 |
| | 5/8" | 1800410F | 1800410FSS | 50 |
| 5/16" | 9/16" | 1800509F | 1800509FSS | 100 |
| | 5/8" | 1800510F | 1800510FSS | 50 |
| | 11/16" | 1800511F | --- | 50 |
| 3/8" | 5/8" | 1800610F | 1800610FSS | 50 |
| | 11/16" | 1800611F | 1800611FSS | 50 |
| | 3/4" | 1800612F | 1800612FSS | 50 |
| 1/2" | 7/8" | 1800814F | 1800814FSS | 25 |
| | 15/16" | 1800815F | 1800815FSS | 25 |
| | 1" | 1800816F | --- | 20 |





### Male Stems

| Hose I.D. | Male NPTF Thread [1] | Brass Part # | 303 Stainless Steel[1] Part # | Opt Qty |
|---|---|---|---|---|
| 1/4" | 1/8" | 1820402S | 1820402SS | 100 |
| | 1/4" | 1820404S | 1820404SS | 100 |
| | 3/8" | 1820406S | --- | 50 |
| 5/16" | 1/4" | 1820504S | 1820504SS | 50 |
| | 3/8" | 1820506S | --- | 50 |
| 3/8" | 1/4" | 1820604S | 1820604SS | 100 |
| | 3/8" | 1820606S | 1820606SS | 50 |
| | 1/2" | 1820608S | --- | 25 |
| 1/2" | 1/4" | 1820804S | --- | 50 |
| | 3/8" | 1820806S | 1820806SS | 50 |
| | 1/2" | 1820808S | 1820808SS | 25 |

[1] Stainless steel parts have NPT threads

# Pipe Fittings

## Reducer Couplings Adapters

**Feature**
- Ref SAE 130138

| Female NPTF | Brass | | Optional Qty | Lead-Free Brass[1, 2] Part # |
|---|---|---|---|---|
| | Previous Part # | Part # | | |
| 1/4" x 1/8" | RC2F1F | 3770402C | 50 | --- |
| 3/8" x 1/8" | RC3F1F | 3770602C | 50 | --- |
| 3/8" x 1/4" | RC3F2F | 3770604C | 50 | --- |
| 1/2" x 1/4" | RC4F2F | 3770804C | 25 | --- |
| 1/2" x 3/8" | RC4F3F | 3770806C | 10 | 3770806CLF |
| 3/4" x 3/8" | RC6F3F | 3771206C | 10 | --- |
| 3/4" x 1/2" | RC6F4F | 3771208C | 10 | 3771208CLF |



[1] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

## Female Hex Couplings

**Feature**
- Ref SAE 130138

| NPTF | Brass | | Pkg Qty | Lead-Free Brass[1, 2] Part # |
|---|---|---|---|---|
| | Previous Part # | Part # | | |
| 1/8" x 1/8" | BA1F1F | 3710202C | 25 | 3710202CLF |
| 1/4" x 1/4" | BA2F2F | 3710404C | 25 | 3710404CLF |
| 3/8" x 3/8" | BA3F3F | 3710606C | 25 | 3710606CLF |
| 1/2" x 1/2" | BA4F4F | 3710808C | 25 | 3710808CLF |
| 3/4" x 3/4" | BA6F6F | 3711212C | 10 | --- |



[1] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

## Reducer Hex Bushings

**Feature**
- Ref SAE 130140

| Male NPTF | Female NPTF | Brass | | Optional Qty | Lead-Free Brass[2, 3] Part # |
|---|---|---|---|---|---|
| | | Previous Part # | Part # | | |
| 1/4" | 1/8" | HB1F2M | 3730402C | 100 | 3730402CLF |
| 3/8" | 1/8" | HB1F3M | 3730602C | 100 | --- |
| | 1/4" | HB2F3M | 3730604C | 100 | 3730604CLF |
| 1/2" | 1/8" | HB1F4M | 3730802C | 25 | --- |
| | 1/4" | HB2F4M | 3730804C | 50 | 3730804CLF |
| | 3/8" | HB3F4M | 3730806C | 50 | 3730806CLF |
| 3/4" | 1/8" | HB1F6M | 3731202C[1] | 25 | --- |
| | 1/4" | HB2F6M | 3731204C | 25 | --- |
| | 3/8" | HB3F6M | 3731206C | 25 | --- |
| | 1/2" | HB4F6M | 3731208C | 25 | 3731208CLF |
| 1" | 1/4" | HB2F8M | 3731604C[1] | 10 | --- |
| | 3/8" | HB3F8M | 3731606C[1] | 10 | --- |
| | 1/2" | HB4F8M | 3731608C | 10 | --- |
| | 3/4" | HB6F8M | 3731612C | 10 | --- |



[1] SAE does not provide a standard for these sizes
[2] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745
[3] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

# Pipe Fittings

## Female NPTF x Male NPTF Adapters



**Feature**

- Ref SAE 130139

| Female NPTF | Male NPTF | Brass | | Optional Qty | Lead-Free Brass[1, 2] Part # |
|---|---|---|---|---|---|
| | | Previous Part # | Part # | | |
| 1/8" | 1/8" | RA1F1M | 3750202C | 100 | --- |
| 1/4" | 1/8" | RA2F1M | 3750402C | 50 | 3750402CLF |
| | 1/4" | RA2F2M | 3750404C | 50 | 3750404CLF |
| 3/8" | 1/8" | RA3F1M | 3750602C | 50 | --- |
| | 1/4" | RA3F2M | 3750604C | 50 | 3750604CLF |
| | 3/8" | RA3F3M | 3750606C | 50 | --- |
| 1/2" | 1/4" | RA4F2M | 3750804C | 25 | --- |
| | 3/8" | RA4F3M | 3750806C | 25 | --- |
| | 1/2" | RA4F4M | 3750808C | 25 | 3750808CLF |
| 3/4" | 3/8" | RA6F3M | 3751206C | 10 | --- |
| | 1/2" | RA6F4M | 3751208C | 10 | --- |
| | 3/4" | RA6F6M | 3751212C | 10 | 3751212CLF |

[1] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

## Female NPTF x Male NPSM Adapters



| Female NPTF | Male NPSM | Brass | | Optional Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/4" | 1/4" | 174-0404 | 1740404C | 100 |
| 3/8" | 3/8" | 174-0606 | 1740606C | 50 |
| 1/2" | 1/2" | 174-0808 | 1740808C | 50 |

NOTE: For additional information on pipe dimensions please reference dixonvalve.com.

## Close Pipe Nipples



| NPT | Brass | | Optional Qty | Lead-Free Brass[1, 2] Part # |
|---|---|---|---|---|
| | Previous Part # | Part # | | |
| 1/8" | 165-0202 | 1650202C | 50 | 1650202CLF |
| 1/4" | 165-0404 | 1650404C | 50 | 1650404CLF |
| 3/8" | 165-0606 | 1650606C | 100 | 1650606CLF |
| 1/2" | 165-0808 | 1650808C | 25 | 1650808CLF |
| 3/4" | 165-1212 | 1651212C | 25 | 1651212CLF |
| 1" | 165-1616 | 1651616C | 25 | --- |
| 1-1/2" | --- | CN150B | 5 | --- |
| 2" | --- | CN200B | 5 | --- |
| 3" | --- | CN300B | 5 | --- |

[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

NOTE: For additional information on pipe dimensions please reference dixonvalve.com.

# Pipe Fittings

## Long Pipe Nipples

**Feature**

- Carbon steel and stainless steel nipples are available on page 927

| NPT | Length | Brass | | Optional Qty | Lead-Free Brass[1, 2] Part # |
|---|---|---|---|---|---|
| | | Previous Part # | Part # | | |
| 1/8" | 1-1/2" | 166-0215 | 1660215C | 25 | --- |
| | 2" | 166-0220 | 1660220C | 25 | --- |
| | 2-1/2" | 166-0225 | 1660225C | 25 | --- |
| | 3" | 166-0230 | 1660230C | 25 | -- |
| | 3-1/2" | 166-0235 | 1660235C | 10 | --- |
| | 4" | 166-0240 | 1660240C | 10 | --- |
| 1/4" | 1-1/2" | 166-0415 | 1660415C | 25 | 1660415CLF |
| | 2" | 166-0420 | 1660420C | 25 | --- |
| | 2-1/2" | 166-0425 | 1660425C | 25 | --- |
| | 3" | 166-0430 | 1660430C | 25 | 1660430CLF |
| | 3-1/2" | 166-0435 | 1660435C | 10 | --- |
| | 4" | 166-0440 | 1660440C | 10 | 1660440CLF |
| | 5" | 166-0450 | 1660450C | 5 | --- |
| 3/8" | 1-1/2" | 166-0615 | 1660615C | 25 | --- |
| | 2" | 166-0620 | 1660620C | 25 | --- |
| | 2-1/2" | 166-0625 | 1660625C | 10 | --- |
| | 3" | 166-0630 | 1660630C | 10 | --- |
| | 3-1/2" | 166-0635 | 1660635C | 10 | --- |
| | 4" | 166-0640 | 1660640C | 5 | --- |
| 1/2" | 1-1/2" | 166-0815 | 1660815C | 10 | --- |
| | 2" | 166-0820 | 1660820C | 10 | --- |
| | 2-1/2" | 166-0825 | 1660825C | 10 | --- |
| | 3" | 166-0830 | 1660830C | 10 | --- |
| | 3-1/2" | 166-0835 | 1660835C | 10 | --- |
| | 4" | 166-0840 | 1660840C | 5 | --- |
| 3/4" | 2" | 166-1220 | 1661220C | 5 | --- |
| | 2-1/2" | 166-1225 | 1661225C | 5 | --- |
| | 3" | 166-1230 | 1661230C | 5 | --- |
| | 3-1/2" | 166-1235 | 1661235C | 5 | --- |
| 1" | 2" | --- | TN100X2B | --- | --- |
| | 3" | --- | TN100X3B | --- | --- |
| | 4" | --- | TN100X4B | --- | --- |
| 1-1/2" | 2" | --- | TN150X2B | --- | --- |
| | 3" | --- | TN150X3B | --- | --- |
| 2" | 3" | --- | TN200X3B | --- | --- |
| | 4" | --- | TN200X4B | --- | --- |
| | 6" | --- | TN200X6B | --- | --- |



[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

## Hex Nipples

**Feature**

- Ref SAE 130137

| NPTF | Brass | | Optional Qty | Lead-Free Brass[1, 2] Part # |
|---|---|---|---|---|
| | Previous Part # | Part # | | |
| 1/8" x 1/8" | BCN12 | 3700202C | 100 | 3700202CLF |
| 1/4" x 1/4" | BCN25 | 3700404C | 100 | 3700404CLF |
| 3/8" x 3/8" | BCN37 | 3700606C | 50 | 3700606CLF |
| 1/2" x 1/2" | BCN50 | 3700808C | 25 | 3700808CLF |
| 3/4" x 3/4" | BCN75 | 3701212C | 20 | --- |
| 1" x 1" | BCN100 | 3701616C | 10 | --- |



[1] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953;

# Pipe Fittings

## Reducer Hex Nipples



**Feature**
- Ref SAE 130137

| Male NPTF | Brass | | Optional Qty |
|---|---|---|---|
| | Previous Part # | Part # | |
| 1/4" x 1/8" | HN2M1M | 3790402C | 100 |
| 3/8" x 1/8" | HN3M1M | 3790602C | 50 |
| 3/8" x 1/4" | HN3M2M | 3790604C | 50 |
| 1/2" x 1/4" | HN4M2M | 3790804C | 50 |
| 1/2" x 3/8" | HN4M3M | 3790806C | 50 |
| 3/4" x 1/2" | HN6M4M | 3791208C | 25 |

## Ball Seat to Male Pipe Adapters



| NPSM | NPTF | Brass | | Optional Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/8" | 1/8" | BSM11 | 1720202C | 100 |
| 1/4" | 1/8" | BSM21 | 1720402C | 100 |
| | 1/4" | BSM22 | 1720404C | 100 |
| 3/8" | 1/4" | BSM32 | 1720604C | 100 |
| | 3/8" | BSM33 | 1720606C | 50 |
| | 1/2" | BSM34 | 1720608C | 50 |
| 1/2" | 3/8" | BSM43 | 1720806C | 50 |
| | 1/2" | BSM44 | 1720808C | 50 |
| 3/4" | 3/4" | BSM66 | 1721212C | 25 |

## Male Unions



| NPSM | NPSM | Brass | | Pkg Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/8" | 1/8" | 176-0202 | 1760202C | 100 |
| 1/4" | 1/4" | 176-0404 | 1760404C | 100 |
| 3/8" | 3/8" | 176-0606 | 1760606C | 100 |
| 1/2" | 1/2" | 176-0808 | 1760808C | 50 |

## 90° Female Pipe Elbows

**Feature**
- Ref SAE 130238



brass



| Female NPTF | Extruded Brass | | Optional Qty | Forged Lead-Free Brass[1, 2, 3] Part # |
|---|---|---|---|---|
| | Previous Part # | Part # | | |
| 1/8" | EL1F1F | 3020202C | 25 | --- |
| 1/4" | EL2F2F | 3020404C | 25 | --- |
| 3/8" | EL3F3F | 3020606C | 25 | 3020606CLF |
| 1/2" | EL4F4F | 3020808C[4] | 25 | 3020808CLF |
| 3/4" | EL6F6F | 3021212C[4] | 10 | --- |

[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT thread
[4] Product shape may vary

NOTE: For additional information on pipe dimensions please reference dixonvalve.com.

# Pipe Fittings

## 90° Street Elbows

**Feature**
- Ref SAE 130239

| Female NPTF | Male NPTF | Extruded Brass | | Optional Qty | Forged Lead-Free Brass[1, 2, 3] Part # |
|---|---|---|---|---|---|
| | | Previous Part # | Part # | | |
| 1/8" | 1/8" | SE1F1M | 3040202C[4] | 25 | 3040202CLF |
| 1/4" | 1/8" | SE2F1M | 3040402C | 25 | --- |
| | 1/4" | SE2F2M | 3040404C[4] | 25 | 3040404CLF |
| 3/8" | 1/4" | SE3F2M | 3040604C | 25 | --- |
| | 3/8" | SE3F3M | 3040606C[4] | 25 | 3040606CLF |
| 1/2" | 3/8" | SE4F3M | 3040806C | 25 | --- |
| | 1/2" | SE4F4M | 3040808C[4] | 25 | 3040808CLF |
| 3/4" | 1/2" | SE6F4M | 3041208C | 25 | --- |
| | 3/4" | SE6F6M | 3041212C[4] | 10 | --- |


brass


lead-free brass

[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT thread
[4] Product shape may vary

## 90° Male Pipe Elbows

| Male NPTF | Forged Brass | | Optional Qty |
|---|---|---|---|
| | Previous Part # | Part # | |
| 1/8" | 169-0202 | 1690202C | 25 |
| 1/4" | 169-0404 | 1690404C | 25 |
| 3/8" | 169-0606 | 1690606C | 25 |
| 1/2" | 169-0808 | 1690808C | 25 |



## NPT Threaded 45 Elbows

**Feature**
- Ref SAE 130339

| Female NPTF | Male NPTF | Extruded Brass | | Optional Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/8" | 1/8" | 306-0202 | 3060202C | 25 |
| 1/4" | 1/4" | 306-0404 | 3060404C | 25 |
| 3/8" | 3/8" | 306-0606 | 3060606C | 25 |
| 1/2" | 1/2" | 306-0808 | 3060808C | 25 |
| 3/4" | 3/4" | 306-1212 | 3061212C | 10 |



## Female Tees

**Feature**
- Ref SAE 130438

| NPTF Thread | Extruded Brass | | Optional Qty | Forged Lead-Free Brass[1, 2, 3] Part # |
|---|---|---|---|---|
| | Previous Part # | Part # | | |
| 1/8" | 322-0202 | 3220202C[4] | 25 | 3220202CLF |
| 1/4" | 322-0404 | 3220404C[4] | 25 | 3220404CLF |
| 3/8" | 322-0606 | 3220606C | 25 | 3220606CLF |
| 1/2" | 322-0808 | 3220808C | 25 | 3220808CLF |
| 3/4" | 322-1212 | 3221212C | 10 | --- |


brass


lead-free brass

[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT thread
[4] Product shape may vary

# Pipe Fittings

## Street Tees



**Feature**
- Ref SAE 130424

| Female NPTF | Male NPTF | Extruded Brass | | Optional Qty | Lead-Free Brass[1, 2, 3] Part # |
|---|---|---|---|---|---|
| | | Previous Part # | Part # | | |
| 1/8" | 1/8" | 326-0202 | 3260202C | 25 | --- |
| 1/4" | 1/4" | 326-0404 | 3260404C[4] | 25 | 3260404CLF |
| 3/8" | 3/8" | 326-0606 | 3260606C | 25 | --- |
| 1/2" | 1/2" | 326-0808 | 3260808C | 25 | --- |
| 3/4" | 3/4" | 326-1212 | 3261212C | 10 | --- |

[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT thread
[4] Product shape may vary

## Male Branch Tees



**Feature**
- Ref SAE 130425

| NPTF | Extruded Brass | | Optional Qty |
|---|---|---|---|
| | Previous Part # | Part # | |
| 1/8" | 324-0202 | 3240202C | 25 |
| 1/4" | 324-0404 | 3240404C[1] | 25 |
| 3/8" | 324-0606 | 3240606C | 25 |
| 1/2" | 324-0808 | 3240808C | 25 |
| 3/4" | 324-1212 | 3241212C | 10 |

[1] Product shape may vary

## Pipe Crosses



| Female NPTF | Extruded Brass | | Optional Qty |
|---|---|---|---|
| | Previous Part # | Part # | |
| 1/8" | 228-0202 | 2280202C | 25 |
| 1/4" | 228-0404 | 2280404C | 25 |
| 3/8" | 228-0606 | 2280606C | 25 |
| 1/2" | 228-0808 | 2280808C | 10 |
| 3/4" | 228-1212 | 2281212C | 10 |

NOTE: For additional information on pipe dimensions please reference dixonvalve.com.

## NPTF Pipe Caps



**Feature**
- Lead-free per NSF/ANSI 372

| Female NPTF | Optional Qty | Lead-Free Brass[1, 2] Part # |
|---|---|---|
| 1/8" | 50 | 2130200CLF |
| 1/4" | 100 | 2130400CLF |
| 3/8" | 25 | 2130600CLF |
| 1/2" | 25 | 2130800CLF |
| 3/4" | 25 | 2131200CLF |

[1] Lead-free Brass <=.25% lead, Alloy C2745
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

# Pipe Fittings

## NPT Threaded Square Head Plugs

**Feature**
- Brass plugs are solid
- Lead-Free Brass per NSF/ANSI 372



| Male NPF-SAE | Lead-Free Brass 260/270 Part # |
|---|---|
| 1/8" | 2110200C |
| 1/4" | 2110400C |
| 3/8" | 2110600C |
| 1/2" | 2110800C |
| 3/4" | 2111200C |

## Hex Head Plugs



| NPT | Brass | | Pkg Qty | Lead-Free Brass[1, 2] Part # |
|---|---|---|---|---|
| | Previous Part # | Part # | | |
| 1/8" | HHP1M | 1630200C | 50 | 1630200CLF |
| 1/4" | HHP2M | 1630400C | 100 | 1630400CLF |
| 3/8" | HHP3M | 1630600C | 25 | --- |
| 1/2" | HHP4M | 1630800C | 25 | --- |
| 3/4" | HHP6M | 1631200C | 25 | --- |
| 1" | HHP8M | 1631600C | 10 | --- |

[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

NOTE: Standard brass hex head plug is hollow; lead-free brass is solid

## Hex Socket Plugs

**Feature**
- Lead-free brass per NSF/ANSI 372



| NPTF | Lead-Free Brass 260/270 | | Optional Qty |
|---|---|---|---|
| | Previous Part # | Part # | |
| 1/8" | 219-0200 | 2190200C | 50 |
| 1/4" | 219-0400 | 2190400C | 100 |
| 3/8" | 219-0600 | 2190600C | 25 |
| 1/2" | 219-0800 | 2190800C | 25 |
| 3/4" | 219-1200 | 2191200C | 25 |

NOTE: For additional information on pipe dimensions please reference dixonvalve.com.

## Grease Whip Hose Assemblies



**Applicaton**
- For use with hand grease guns only

**Features**
- One piece crimp couplings
- Add "S" to order carbon steel strain relief spring option

**Specifications**
- 1/8"-27 male NPT, solid base (0010260C)
- Working pressure: **3000 PSI**

**Approval**
- US manufactured 3/16" I.D. hose - exceeds SAE 100R1-AT

| Assembly Length | Brass | | Strain Relief Option |
|---|---|---|---|
| | Previous Part # | Part # | |
| 8" | GWH-0800 | GWH0800 | GWH0800S |
| 12" | GWH-1200 | GWH1200 | GWH1200S |
| | --- | GWH1200R[1] | --- |
| 18" | GWH-1800 | GWH1800 | GWH1800S |
| | --- | GWH1800R[1] | --- |
| 24" | GWH-2400 | GWH2400 | GWH2400S |
| 36" | GWH-3600 | GWH3600 | GWH3600S |
| 48" | GWH-4800 | GWH4800 | GWH4800S |
| 60" | GWH-6000 | GWH6000 | GWH6000S |

[1] Retail packaging

## Grease Whip Hose Fittings

**Features**
- 0010055C, 0010260C, and 0010860C are designed to be crimped to 3/16" I.D. hose
- GWHC and GWHC-FF mate with Zerk fittings on the coupler side

### Grease Hose Couplers



| Description | Zinc Plated Steel | | Optional Qty |
|---|---|---|---|
| | Previous Part # | Part | |
| 1/8"-27 female NPT thread, grease hose coupler with ball check - valved shutoff | GWH-C | GWHC | 25 |
| 1/8"-27 female NPT thread, full flow grease hose coupler | --- | GWHC-FF | 25 |

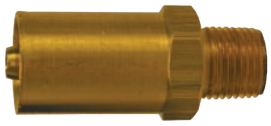
NOTE: Add 'R' suffix to part number for retail pack option

### Male NPT Thread - Chamfered Base



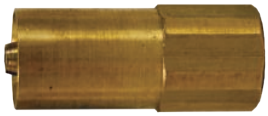
| Description | Brass | | Optional Qty |
|---|---|---|---|
| | Previous Part # | Part # | |
| 1/8"-27 male NPT thread, drilled and chamfered base | 001-0055 | 0010055C | 100 |

### Male NPT Thread - Solid Base



| Description | Brass | | Optional Qty |
|---|---|---|---|
| | Previous Part # | Part # | |
| 1/8"-27 male NPT thread, solid base | 001-0260 | 0010260C | 100 |

### Female NPT Thread



| Description | Brass | | Optional Qty |
|---|---|---|---|
| | Previous Part # | Part # | |
| 1/8"-27 female NPT thread | 001-0860 | 0010860C | 100 |

## Grease Whip Fittings - Zerk

### Straight

| Thread | Description | Overall Length | Thread Length | Hex | Zinc Plated Steel Part # | Pkg Qty |
|---|---|---|---|---|---|---|
| 1/8-27 NPT | straight | .660" | .260" | .430 | GWHZ000 | 100 |
| 1/4-28 tapered SAE-LT | straight | .530" | .200" | .312 | GWHZ400 | 100 |



### 45°

| Thread | Description | Overall Length | Thread Length | Hex | Zinc Plated Steel Part # | Pkg Qty |
|---|---|---|---|---|---|---|
| 1/8"-27 NPT | 45° | .860" | .280" | .430 | GWHZ045 | 100 |
| 1/4"-28 tapered SAE-LT | 45° | .800" | .200" | .375 | GWHZ445 | 100 |



### 90°

| Thread | Description | Overall Length | Thread Length | Hex | Zinc Plated Steel Part # | Pkg Qty |
|---|---|---|---|---|---|---|
| 1/8"-27 NPT | 90° | .830" | .310" | .430 | GWHZ090 | 100 |
| 1/4"-28 tapered SAE-LT | 90° | 1.20" | .200" | .375 | GWHZ490 | 100 |



## Grease Whip Fittings - Zerk Retail Packaged

NOTE: All items sold in retail packets of 10: Order 1 for 1 retail pack of 10 pieces.

### Straight

| Thread | Description | Overall Length | Thread Length | Hex | Zinc Plated Steel Part # |
|---|---|---|---|---|---|
| 1/8"-27 NPT | straight | .660" | .260" | .430 | GWHZ000R |
| 1/4"-28 tapered SAE-LT | straight | .530" | .200" | .312 | GWHZ400R |



### 45°

| Thread | Description | Overall Length | Thread Length | Hex | Zinc Plated Steel Part # |
|---|---|---|---|---|---|
| 1/8"-27 NPT | 45° | .860" | .280" | .430 | GWHZ045R |
| 1/4"-28 tapered SAE-LT | 45° | .800" | .200" | .375 | GWHZ445R |



### 90°

| Thread | Description | Overall Length | Thread Length | Hex | Zinc Plated Steel Part # |
|---|---|---|---|---|---|
| 1/8"-27 NPT | 90° | .830" | .310" | .430 | GWHZ090R |
| 1/4"-28 tapered SAE-LT | 90° | 1.20" | .200" | .375 | GWHZ490R |



## Oxy-Acetylene Hose Couplings

### Acetylene Couplings



**Feature**
- Left-hand thread for acetylene line x hose shank

**Approval**
- Parts meet CGA-E-1 standards

**Specification**
- Maximum **200 PSI**

| Hose Size | Left UNF Thread | Hex | Brass | | |
|---|---|---|---|---|---|
| | | | Previous Part # | CGA # | Part # |
| 3/16" | 3/8"-24 | 7/16" | OA69 | 021 | 1540306K |
| | 9/16"-18 | 11/16" | OA70 | 023 | 1540309K |
| 1/4" | 9/16"-18 | 11/16" | OA71 | 023 | 1540409K |
| 5/16" | 9/16"-18 | 11/16" | OA72 | 023 | 1540509K |
| 3/8" | 9/16"-18 | 11/16" | OA73 | 023 | 1540609K |

### Oxygen Couplings



**Feature**
- Right-hand thread for oxygen line x hose shank

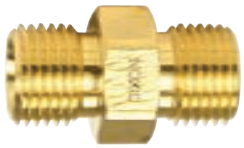
| Hose Size | Right UNF Thread | Hex | Brass | | |
|---|---|---|---|---|---|
| | | | Previous Part # | CGA # | Part # |
| 3/16" | 3/8"-24 | 7/16" | OA59 | 020 | 1520306K |
| | 9/16"-18 | 11/16" | OA60 | 022 | 1520309K |
| 1/4" | 9/16"-18 | 11/16" | OA61 | 022 | 1520409K |
| 5/16" | 9/16"-18 | 11/16" | OA62 | 022 | 1520509K |
| 3/8" | 9/16"-18 | 11/16" | OA63 | 022 | 1520609K |

## Oxy-Acetylene Connecting Spuds



### Left-hand Thread x Left-hand Thread

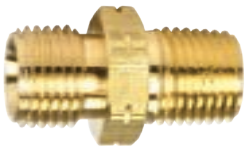
| Left UNF Thread | Hex | Brass | | |
|---|---|---|---|---|
| | | Previous Part # | CGA # | Part # |
| 9/16"-18 | 11/16" | OA52 | 023 | 1580909C |



### Right-hand Thread x Right-hand Thread

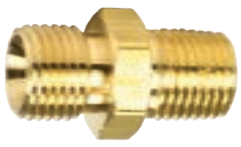
| Right UNF Thread | Hex | Brass | | |
|---|---|---|---|---|
| | | Previous Part # | CGA # | Part # |
| 9/16"-18 | 11/16" | OA50 | 022 | 1560909C |

## Oxy-Acetylene Adapters



### Left-hand Thread x NPTF

| Left UNF Thread | NPTF Thread | Hex | Brass | | |
|---|---|---|---|---|---|
| | | | Previous Part # | CGA # | Part # |
| 9/16"-18 | 1/8" | 11/16" | 158-0902 | 023 | 1580902C |
| | 1/4" | 11/16" | 158-0904 | 023 | 1580904C |
| | 3/8" | 11/16" | 158-0906 | 023 | 1580906C |



### Right-hand Thread x NPTF

| Right UNF Thread | NPTF Thread | Hex | Brass | | |
|---|---|---|---|---|---|
| | | | Previous Part # | CGA # | Part # |
| 9/16"-18 | 1/8" | 11/16" | 156-0902 | 022 | 1560902C |
| | 1/4" | 11/16" | 156-0904 | 022 | 1560904C |
| | 3/8" | 11/16" | 156-0906 | 022 | 1560906C |

## Oxy-Acetylene Ferrules



**Feature**
- Sold in package quantities only

| Inside Dimensions | Overall Length | Metal Gauge | Standard Ind. Part # | Brass Part # | Qty |
|---|---|---|---|---|---|
| .458" x 0.890" | 15/32" | .019" | 9116 | BFO448 | 25 |
| .474" x 0.943" | 15/32" | .019" | 9979 | BFO474 | 25 |
| .535" x 1.071" | 3/4" | .024" | 9940P | BFO535 | 25 |

## Worm Gear Clamps ..... 460 - 465
Dixon® HS and HSS styles ..... 460
Miniature MH and MAH styles ..... 460
Aero-Seal® style ..... 461
Marine grade ..... 461
Aero-Seal® style liner ..... 462
WaveSeal ..... 462
Constant torque ..... 463
HTM hi torque ..... 463
Assorted clamps ..... 464
Dixon worm gear clamp racks ..... 464
Quick release ..... 465
Make-A-Clamp kits ..... 465

## T-Bolt ..... 466 - 468
TBC and STBC style T-bolt ..... 466
Heavy duty T-bolt ..... 467
Long T-bolt ..... 468

## Band ..... 469 - 476
Center punch ..... 469
- Pre-formed F-series ..... 469
- Open end FO-series ..... 469

Universal pre-formed, K-series ..... 470
Dixon smooth I.D. ..... 471
- Roll-over type ..... 471
- Center punch ..... 471

Band and buckle ..... 472
- Clamp buckles ..... 472
- Strapping ..... 472
- Set screw buckles ..... 472
- Banding ..... 472

Band clamp tools ..... 473 - 474
- Portable locking hand tool ..... 473
- Intermediate hand tool ..... 473
- Hand tool for 5/8" clamps ..... 473
- Hand tool for 3/8" and 5/8" clamps ..... 473
- Adapter for F100 tool ..... 473
- Punching mallet ..... 474
- Clamp cutter ..... 474

Clamping tool for band and buckles ..... 474
- Band and buckle clamping tool ..... 474
- Clamping tool adapter for 51960 tool ..... 474

Clamp safety caps ..... 474
Pinch-on single ear ..... 475
Pinch-on double ear ..... 475
Stepless® ear ..... 476
Clamp service kit ..... 476

## Band (cont.) ..... 469 - 476
Standard jaw clamp tool ..... 476
Side jaw clamp tool ..... 476

## Bolted Clamps ..... 477 - 479
Double bolt ..... 477
- With saddles ..... 477

Single bolt ..... 478
Spiral clamps ..... 479
- Clockwise ..... 479
- Counter clockwise ..... 479

## Dixon® Worm Gear Clamps

**Size**
- Screw design: 5/16" slotted hex head

**Features**
- Four-piece construction
- Maximum recommended torque 50 in. lbs.
- All clamps sold 10 per box

**Materials**
- Band and housing: SAE 300-series stainless
- Screw: SAE 1018 case-hardened, hex-free chrome zinc-plated steel
- Band and housing: SAE 300-series stainless
- Screw: SAE 300-series stainless

**Approval**
- Clamp meets SAEJ1508 which supercedes Mil Spec WW-C-440B



style HSS

| Band Width | Hose O.D. from | Hose O.D. to | Style HS Part # | Master Case Qty | Style HSS Part # | Master Case Qty |
|---|---|---|---|---|---|---|
| 1/2" | 7/16" | 25/32" | HS6 | 200 | HSS6 | 200 |
| | 1/2" | 29/32" | HS8 | 200 | HSS8 | 200 |
| | 9/16" | 1-1/16" | HS10 | 500 | HSS10 | 500 |
| | 11/16" | 1-1/14" | HS12 | 500 | HSS12 | 500 |
| | 13/16" | 1-1/2" | HS16 | 500 | HSS16 | 500 |
| | 13/16" | 1-3/4" | HS20 | 500 | HSS20 | 500 |
| | 1-1/16" | 2" | HS24 | 500 | HSS24 | 500 |
| | 1-5/16" | 2-1/4" | HS28 | 500 | HSS28 | 500 |
| | 1-9/16" | 2-1/2" | HS32 | 500 | HSS32 | 500 |
| | 1-13/16" | 2-3/4" | HS36 | 500 | HSS36 | 500 |
| | 2-1/16" | 3" | HS40 | 200 | HSS40 | 200 |
| | 2-5/16" | 3-1/4" | HS44 | 200 | HSS44 | 200 |
| | 2-9/16" | 3-1/2" | HS48 | 200 | HSS48 | 200 |
| | 2-13/16" | 3-3/4" | HS52 | 200 | HSS52 | 200 |
| | 3-1/16" | 4" | HS56 | 200 | HSS56 | 200 |
| | 3-5/16" | 4-1/4" | HS60 | 200 | HSS60 | 200 |
| 9/16" | 3-9/16" | 4-1/2" | HS64 | 200 | HSS64 | 200 |
| | 1-7/8" | 5" | HS72 | 100 | HSS72 | 100 |
| | 2-1/2" | 5-1/2" | HS80 | 100 | HSS80 | 100 |
| | 3-1/8" | 6" | HS88 | 100 | HSS88 | 100 |
| | 3-5/8" | 6-1/2" | HS96 | 100 | HSS96 | 100 |
| | 4-1/8" | 7" | HS104 | 100 | HSS104 | 100 |
| | 5-5/8" | 8-1/2" | HS128 | 100 | HSS128 | 100 |
| | 7-1/8" | 10" | HS152 | 100 | HSS152 | 100 |
| | 9-3/8" | 12-1/4" | HS188 | 100 | HSS188 | 100 |
| | 10-1/8" | 13" | HS200 | 100 | HSS200 | 100 |
| | 10-7/8" | 13-3/4" | HS212 | 100 | HSS212 | 100 |
| | 11-5/8" | 14-1/2" | HS224 | 100 | HSS224 | 100 |
| | 12-3/8" | 15-1/4" | HS236 | 100 | HSS236 | 100 |
| | 13-1/8" | 16" | HS248 | 100 | HSS248 | 100 |
| | 17-1/8" | 20" | HS312 | 100 | HSS312 | 100 |

## Miniature Worm Gear Clamps

**Size**
- Screw design: 1/4" slotted hex head

**Features**
- Maximum recommended torque 15 in. lbs.
- All clamps sold 10 per box

**Materials**
- Band and housing: SAE 300-series stainless
- Screw: SAE 1018 case-hardened, hex-free chrome zinc-plated steel
- Band and housing: SAE 300-series stainless
- Screw: SAE 300-series stainless

**Approval**
- Meets SAE J1508



style MH

| Band Width | Hose O.D. from | Hose O.D. to | Style MH Part # | Master Case Qty | Style MAH Part # | Master Case Qty |
|---|---|---|---|---|---|---|
| 5/16" | 7/32" | 5/8" | MH4 | 500 | MAH4 | 500 |
| | 7/16" | 25/32" | MH6 | 500 | MAH6 | 500 |
| | 1/2" | 29/32" | MH8 | 200 | MAH8 | 200 |
| | 9/16" | 1-1/16" | MH10 | 200 | MAH10 | 200 |
| | 11/16" | 1-1/4" | MH12 | 200 | MAH12 | 200 |
| | 15/16" | 1-1/2" | MH16 | 200 | MAH16 | 200 |
| | 1-3/16" | 1-3/4" | MH20 | 200 | MAH20 | 200 |



GOODYEAR RUBBER PRODUCTS, INC.
727-342-5088
You can also email us at GRP@goodyearrubberproducts.com

DIXON
The Right Connection®

## Aero-Seal® Worm Gear Clamps

### Features
- Four-piece construction
- Band slots designed for strength and smooth action
- Saddle interlocks into embossed band to form a true concentric circle
- Slotted hex head screw design
- Heat treated screws have buttress thread type
- Safety collar or thumb screw available on the style 200-series only
- Suggested installation torque 30-42 in. lbs.; maximum recommended torque 60 in. lbs.
- All clamps sold 10 per box
- Torque ratings correspond to the torque rating of the screw of the clamp and are not an indication of the working pressure of any hose assembly installed with this clamp

### Materials
Style 100
- Band and housing: 300 SS
- Screw: plated carbon steel

Style 200
- Band and housing: 300 SS
- Screw: 410 stainless steel

Style 300
- Band and housing: 300 SS
- Screw: 305 stainless steel


style 300

| Band Width | Hose O.D. from | Hose O.D. to | Style 100 Part # | Style 200 Part # | Style 300 Part # | Pkg Qty |
|---|---|---|---|---|---|---|
| 9/16" | 7/16" | 25/32" | 10006 | 20006 | 30006 | 10 |
| | 1/2" | 29/32" | 10008 | 20008 | 30008 | 10 |
| | 9/16" | 1-1/16" | 10010 | 20010 | 30010 | 10 |
| | 11/16" | 1-1/4" | 10012 | 20012 | 30012 | 10 |
| | 13/16" | 1-1/2" | 10016 | 20016 | 30016 | 10 |
| | 13/16" | 1-3/4" | 10020 | 20020 | 30020 | 10 |
| | 1-1/16" | 2" | 10024 | 20024 | 30024 | 10 |
| | 1-5/16" | 2-1/4" | 10028 | 20028 | 30028 | 10 |
| | 1-9/16" | 2-1/2" | 10032 | 20032 | 30032 | 10 |
| | 1-13/16" | 2-3/4" | 10036 | 20036 | 30036 | 10 |
| | 2-1/16" | 3" | 10040 | 20040 | 30040 | 10 |
| | 2-5/16" | 3-1/4" | 10044 | 20044 | 30044 | 10 |
| | 2-9/16" | 3-1/2" | 10048 | 20048 | 30048 | 10 |
| | 2-13/16" | 3-3/4" | 10052 | 20052 | 30052 | 10 |
| | 3-1/16" | 4" | 10056 | 20056 | 30056 | 10 |
| | 3-5/16" | 4-1/4" | 10060 | 20060 | 30060 | 10 |

J

## Marine Grade Worm Gear Clamps

### Size
- Screw design: 5/16" slotted hex head

### Features
- Three-piece construction
- Suggested installation torque 30-42 in. lbs.; maximum recommended torque 60 in. lbs.
- All clamps sold 10 per box
- Torque ratings correspond to the torque rating of the screw of the clamp and are not an indication of the working pressure of any hose assembly installed with this clamp

### Material
- 316 stainless steel marine grade: band, screw, housing

### Approval
- Clamp meets SAEJ1508 which supercedes Mil Spec WW-C-440B



| Band Width | Hose O.D. from | Hose O.D. to | 316 Stainless Steel Part # |
|---|---|---|---|
| 1/2" | 3/8" | 7/8" | MGC6 |
| | 7/16" | 1" | MGC8 |
| | 9/16" | 1-1/16" | MGC10 |
| | 9/16" | 1-5/16" | MGC12 |
| | 11/16" | 1-1/2" | MGC16 |
| | 3/4" | 1-3/4" | MGC20 |
| | 1-1/16" | 2" | MGC24 |
| | 1-5/16" | 2-1/4" | MGC28 |
| | 1-9/16" | 2-1/2" | MGC32 |
| | 1-13/16" | 2-3/4" | MGC36 |
| | 2-11/16" | 3" | MGC40 |
| | 2-5/16" | 3-1/4" | MGC44 |
| | 2-9/16" | 3-1/2" | MGC48 |
| | 2-13/16" | 3-3/4" | MGC52 |
| | 3-1/16" | 4" | MGC56 |
| | 2-1/2" | 4-1/2" | MGC64 |
| | 3-1/16" | 5" | MGC72 |
| | 3-1/2" | 5-1/2" | MGC80 |
| | 4-3/32" | 6" | MGC88 |

## Aero-Seal® Liner Worm Gear Clamps

**Size**
- Screw design: 5/16" hex slotted hex head

**Features**
- The integral extension of the band as a liner (no rivets or welds) protects soft surface hose (silicone and others) from damage caused by extrusion or shearing through the band slots
- All clamps sold 10 per box

**Materials**
- Band, saddle, housing: stainless steel Style DL
- Screw: plated carbon steel Style DLS
- Screw: 410 stainless steel



style DLS

| Band Width | Hose O.D. | | Style DL Part # | Pkg Qty | Style DLS Part # | Pkg Qty |
|---|---|---|---|---|---|---|
| | from | to | | | | |
| 1/2" | 7/16" | 25/32" | DL9206 | 10 | DLS9406 | 10 |
| | 1/2" | 29/32" | DL9208 | 10 | DLS9408 | 10 |
| | 9/16" | 1-1/16" | DL9210 | 10 | DLS9410 | 10 |
| | 11/16" | 1-1/4" | DL9212 | 10 | DLS9412 | 10 |
| | 13/16" | 1-1/2" | DL9216 | 10 | DLS9416 | 10 |
| | 13/16" | 1-3/4" | DL9220 | 10 | DLS9420 | 10 |
| | 1-1/16" | 2" | DL9224 | 10 | DLS9424 | 10 |
| | 1-5/16" | 2-1/4" | DL9228 | 10 | DLS9428 | 10 |
| | 1-9/16" | 2-1/2" | DL9232 | 10 | DLS9432 | 10 |
| | 1-13/16" | 2-3/4" | DL9236 | 10 | DLS9436 | 10 |
| | 2-1/16" | 3" | DL9240 | 10 | DLS9440 | 10 |
| | 2-5/16" | 3-1/4" | DL9244 | 10 | DLS9444 | 10 |
| | 2-9/16" | 3-1/2" | DL9248 | 10 | DLS9448 | 10 |

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## WaveSeal Clamps

**Application**
- Provides optimal retention in applications involving thermal cycling and / or high vibration

**Size**
- 5/16" head screw

**Features**
- Produces a sealing O-ring effect that prevents leakage
- Suggested installation torque 50-70 in. lbs.
- All clamps sold 10 per box
- Torque ratings correspond to the torque rating of the screw of the clamp and are not an indication of the working pressure of any hose assembly installed with this clamp

**Materials**
- Band: 300 stainless steel
- Liner and housing: 300 stainless steel
- Screw: 410 stainless steel



| Band Width | Hose O.D. | | Part # | Pkg Qty |
|---|---|---|---|---|
| | from | to | | |
| 9/16" | 1-3/32" | 1-5/16" | WSS16 | 10 |
| | 1-1/8" | 1-1/2" | WSS19 | 10 |
| | 1-1/8" | 1-9/16" | WSS20 | 10 |
| | 1-7/16" | 1-11/16" | WSS22 | 10 |
| | 1-1/2" | 1-13/16" | WSS24 | 10 |
| | 1-3/4" | 2-1/16" | WSS28 | 10 |
| | 1-15/16" | 2-5/16" | WSS32 | 10 |
| | 2" | 2-7/16" | WSS34 | 10 |
| | 2-1/8" | 2-9/16" | WSS36 | 10 |
| | 2-5/16" | 2-13/16" | WSS40 | 10 |
| | 2-1/2" | 3-1/16" | WSS44 | 10 |
| | 2-11/16" | 3-5/16" | WSS48 | 10 |
| | 2-7/8" | 3-9/16" | WSS52 | 10 |
| | 3-1/16" | 3-13/16" | WSS56 | 10 |
| | 3-1/4" | 4-1/16" | WSS60 | 10 |
| | 3-7/16" | 4-5/16" | WSS64 | 10 |
| | 3-3/4" | 4-13/16" | WSS72 | 10 |

## Constant Torque Worm Gear Clamps

**Feature**

- A patented Belleville spring mechanism permits the clamp to automatically increase or decrease its own diameter due to changes in operational or environmental temperatures

**Materials**

- 3/8" hex, carbon steel screw
- 5/8" wide 300 stainless steel band

| Band Width | Hose O.D. from | Hose O.D. to | Part # |
|---|---|---|---|
| 5/8" | 1" | 1-3/4" | CT175L |
| | 1-1/4" | 2-1/8" | CT200L |
| | 1-3/4" | 2-5/8" | CT250L |
| | 2-1/4" | 3-1/8" | CT300L |
| | 2-3/4" | 3-5/8" | CT350L |
| | 3-1/4" | 4-1/8" | CT400L |
| | 3-3/4" | 4-5/8" | CT450L |
| | 4-1/4" | 5-1/8" | CT500L |
| | 4-3/4" | 5-5/8" | CT550L |
| | 5-1/4" | 6-1/8" | CT600L |
| | 5-3/4" | 6-5/8" | CT650L |
| | 6-1/4" | 7-1/8" | CT700L |
| | 6-3/4" | 7-5/8" | CT750L |
| | 7-1/4" | 8-1/8" | CT800L |
| | 7-3/4" | 8-5/8" | CT850L |
| | 8-1/4" | 9-1/8" | CT900L |
| | 8-3/4" | 9-5/8" | CT950L |



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## HTM Hi Torque Worm Gear Clamps

**Features**

- Withstands more than three times the SAE torque requirements for worm-driven clamps
- Eight screw threads are engaged in the band simultaneously for incredible torquing drive (over 90 in. lbs.), sealing pressure and vibration resistance
- Slotted hex head screw design
- Torque ratings correspond to the torque rating of the screw of the clamp and are not an indication of the working pressure of any hose assembly installed with this clamp

**Materials**

- Band and housing: 300-series half hard stainless[1]
- Screw: 410 stainless steel screw

| Band Width | Hose O.D. from | Hose O.D. to | Stainless Steel Part # |
|---|---|---|---|
| 5/8" | 1-1/4" | 2-1/8" | HTM200 |
| | 1-1/4" | 2-5/8" | HP2[1] |
| | 1-3/4" | 2-5/8" | HTM250 |
| | 2-1/8" | 4-1/8" | HP3[1] |
| | 2-1/4" | 3-1/8" | HTM300 |
| | 2-3/4" | 3-5/8" | HTM350 |
| | 3-1/2" | 4-1/8" | HTM400 |
| | 3-3/4" | 4-5/8" | HTM450 |
| | 4" | 6-1/8" | HP4[1] |
| | 4-1/4" | 5-1/8" | HTM500 |
| | 4-3/4" | 5-5/8" | HTM550 |
| | 5-1/4" | 6-1/8" | HTM600 |
| | 5-3/4" | 6-5/8" | HTM650 |
| | 6-1/8" | 9-1/8" | HP5[1] |
| | 6-1/4" | 7-1/8" | HTM700 |
| | 6-3/4" | 7-5/8" | HTM750 |
| | 7-1/4" | 8-1/8" | HTM800 |
| | 7-3/4" | 8-5/8" | HTM850 |
| | 8-1/4" | 9-1/8" | HTM900 |



style HTM



style HP

## Assorted Clamps

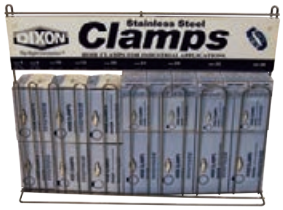


**Features**
- Resealable bag of 10 pieces
- Contains:
  - 2 - Micro-Gear® Size 4
  - 1 - Hy-Gear® Size 6
  - 3 - Hy-Gear Size 12
  - 3 - Hy-Gear Size 20
  - 1 - Hy-Gear Size 36

**Approval**
- Uniform Plumber Code (UPC), certified (1/2" Hy-Gear clamps)

| Hose O.D. | | Stainless Steel Part # |
|---|---|---|
| from | to | |
| 1/4" | 2-3/4" | MGC-10PC |

## Dixon® Worm Gear Clamp Racks




CRWC




CR

**Size**
- Rack with clamps contains (9) clamp sizes with diameter ranges from 7/32" - 2-3/4"

**Features**
- Sign identifies each clamp size and diameter range
- CRWC, Clamps included are:
  - 30 of part# MH4
  - 30 of part# MH6
  - 20 of part# HS10
  - 20 of part# HS12
  - 20 of part# HS20
  - 20 of part# HS24
  - 20 of part# HS28
  - 20 of part# HS32
  - 20 of part# HS36

**Material**
- Top load metal rack made of nickel plated steel rods with enameled steel sign

| Description | Part # |
|---|---|
| with 200 clamps | CRWC |
| without clamps | CR |

## 19-Piece Assortment Pack




HCVP-19

**Application**
- Applications include plumbing, industrial, marine, hardware, automotive, and household use

**Features**
- Reusable plastic case for easy identification and organization
- Contains:

5/16" band includes:
- 6 pcs of 5/16"-5/8" O.D.
- 4 pcs of 5/16"-7/8" O.D.
- 2 pcs of 7/16"-1" O.D.

1/2" band includes:
- 2 pcs of 1/2"-1-1/6" O.D.,
- 2 pcs of 1/2"-1-1/4" O.D.,
- 1 pc of 3/4"-1/34" O.D.,
- 1 pc of 1-1/4"-2-1/4" O.D.,
- 1 pc 3/4"- 2-3/4" O.D.

**Specifications**
- SAE Sizes 4, 6, 8, 10, 12, 20, 28, 36
- Corrosion-resistant with all 300-series stainless steel construction

| Description | Part # |
|---|---|



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## Quick-Release Worm Gear Clamps

### Size
- Screw design: 5/16" slotted hex head

### Features
- Suggested installation torque 25-35 in. lbs., maximum recommended torque 50 in. lbs.
- Parts showing package quantities are sold in package quantities only
- Torque ratings correspond to the torque rating of the screw of the clamp and are not an indication of the working pressure of any hose assembly installed with this clamp



style LS



style LSS

### Materials
- Band and housing: 201-series stainless
- Style LS Screw: plated hardened carbon steel
- Style LSS Screw: SAE 410-series stainless

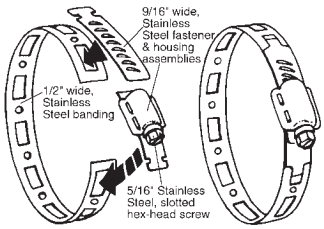
| Band Width | Hose O.D. from | Hose O.D. to | Style LS Part # | Pkg Qty | Style LSS Part # | Pkg Qty |
|---|---|---|---|---|---|---|
| 1/2" | 1-1/2" | 3-1/2" | LS48 | 10 | LSS48 | 10 |
| | 1" | 4" | LS56 | 10 | --- | --- |
| | 2" | 5" | LS72 | 10 | LSS72 | 10 |
| | 2" | 6" | LS88 | 10 | LSS88 | 10 |
| | 3-1/2" | 6-1/2" | LS96 | --- | --- | --- |
| | 2-7/8" | 7" | LS104 | 10 | LSS104 | 10 |
| | 1-3/4" | 8-1/2" | LS128 | --- | LSS128 | --- |
| | 2" | 10" | LS152 | --- | --- | --- |
| | 2" | 12-1/4" | LS188 | --- | LSS188 | --- |
| | 10-3/16" | 14" | --- | --- | LSS216 | --- |
| | 1-3/4" | 16" | --- | --- | LSS248 | --- |
| | 1-7/8" | 20" | --- | --- | LSS312 | --- |

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## Worm Gear Make-A-Clamp Kits

### Application
- A maintenance clamp system in a box; by simply cutting off a piece of banding from a continuous roll, you can make any size stainless steel worm-driven clamp from 2" diameter and up, perfect applications requiring for varying sized large clamps

### Sizes
- Band width: 1/2"
- Band thickness: .023"
- Screw design: 5/16" slotted hex head




### Feature
- Reusable

### Materials
- Band and housing material: 300 stainless
- Screw material: 410 stainless




| Contents | Stainless Steel Part # |
|---|---|
| mini kit: 8-1/2' band, 3 adjustable fasteners, 1 band splice | 4000 |
| kit with 100' band, 25 adjustable fasteners, 10 band splices | 4001 |
| kit with 50' band, 10 adjustable fasteners, 5 band splices | 4002 |
| box with 10 adjustable fasteners: priced per box | 4004 |
| box with 100' band, 10 band splices | 4005 |
| box with 50' band, 5 band splices | 4006 |
| 6" demonstrator kit with clamps | 4007 |
| box with 10 band splices: priced per box | 4008 |

# T-Bolt Clamps

## Style TBC

**Size**
- 3/4" wide, .025" thick,

**Features**
- Can be applied with a standard 7/16" socket wrench
- Not for use with pneumatic tools

**Materials**
- 300-series stainless steel band
- Alloy steel bolt, torque rating: 70 in. lbs.

## Style STBC

**Size**
- 3/4" wide, .025" thick,

**Features**
- Can be applied with a standard 7/16" socket wrench
- Not for use with pneumatic tools

**Materials**
- 300-series stainless steel band
- 300-series stainless steel bolt, torque rating: 50 in/lbs



style TBC



style STBC

| Hose O.D. | | Style TBC Part # | Hose O.D. | | Style STBC Part # | Optional Qty |
|---|---|---|---|---|---|---|
| from | to | | from | to | | |
| 1.25" | 1.406" | TBC131 | 1.25" | 1.4063" | STBC131 | 25 |
| 1.34" | 1.56" | TBC150 | 1.31" | 1.56" | STBC150 | 25 |
| 1.56" | 1.81" | TBC175 | 1.44" | 1.69" | STBC163 | 25 |
| 1.69" | 1.94" | TBC188 | 1.56" | 1.81" | STBC175 | 25 |
| 1.81" | 2.06" | TBC200 | 1.69" | 1.94" | STBC188 | 25 |
| 2.06" | 2.31" | TBC225 | 1.81" | 2.06" | STBC200 | 25 |
| 2.19" | 2.5" | TBC238 | 1.93" | 2.18" | STBC212 | 25 |
| 2.31" | 2.62" | TBC250 | 2.06" | 2.31" | STBC225 | 25 |
| 2.31" | 2.62" | TBC256 | 2.19" | 2.5" | STBC238 | 25 |
| 2.37" | 2.68" | TBC263 | 2.31" | 2.62" | STBC250 | 25 |
| 2.50" | 2.81" | TBC275 | 2.31" | 2.62" | STBC256 | 25 |
| 2.63" | 2.94" | TBC288 | 2.37" | 2.68" | STBC263 | 25 |
| 2.75" | 3.06" | TBC300 | 2.50" | 2.81" | STBC275 | 25 |
| 2.88" | 3.19" | TBC312 | 2.63" | 2.94" | STBC288 | 25 |
| 3.00" | 3.31" | TBC325 | 2.75" | 3.06" | STBC300 | 25 |
| 3.25" | 3.56" | TBC350 | 2.88" | 3.19" | STBC312 | 25 |
| 3.50" | 3.81" | TBC375 | 3.00" | 3.31" | STBC325 | 25 |
| 3.56" | 3.87" | TBC382 | 3.25" | 3.56" | STBC350 | 25 |
| 3.75" | 4.06" | TBC400 | 3.38" | 3.69" | STBC362 | 25 |
| 4.00" | 4.30" | TBC425 | 3.50" | 3.81" | STBC375 | 25 |
| 4.25" | 4.56" | TBC450 | 3.56" | 3.87" | STBC382 | 25 |
| 4.50" | 4.81" | TBC475 | 3.75" | 4.06" | STBC400 | 25 |
| 4.75" | 5.06" | TBC500 | 4.00" | 4.30" | STBC425 | 25 |
| 5.00" | 5.31" | TBC525 | 4.25" | 4.56" | STBC450 | 25 |
| 5.25" | 5.56" | TBC550 | 4.50" | 4.81" | STBC475 | 25 |
| 5.50" | 5.81" | TBC575 | 4.75" | 5.06" | STBC500 | 25 |
| 5.75" | 6.06" | TBC600 | 5.00" | 5.31" | STBC525 | 25 |
| 6.00" | 6.31" | TBC625 | 5.25" | 5.56" | STBC550 | 25 |
| 6.25" | 6.56" | TBC650 | 5.50" | 5.81" | STBC575 | 25 |
| 6.50" | 6.81" | TBC675 | 5.75" | 6.06" | STBC600 | 25 |
| 6.75" | 7.06" | TBC700 | 6.00" | 6.31" | STBC625 | 25 |
| 7.25" | 7.56" | TBC750 | 6.25" | 6.56" | STBC650 | 25 |
| | | | 6.50" | 6.81" | STBC675 | 25 |
| | | | 6.75" | 7.06" | STBC700 | 25 |
| | | | 7.00" | 7.31" | STBC725 | 25 |
| | | | 7.25" | 7.56" | STBC750 | 25 |
| | | | 7.75" | 8.06" | STBC800 | 25 |
| | | | 8.00" | 8.31" | STBC825 | 25 |
| | | | 8.25" | 8.56" | STBC850 | 25 |
| | | | 8.63" | 8.94" | STBC888 | 25 |
| | | | 8.75" | 9.06" | STBC900 | 25 |
| | | | 9.25" | 9.56" | STBC950 | 25 |
| | | | 9.75" | 10.06" | STBC1000 | 10 |
| | | | 10.63" | 10.94" | STBC1088 | 10 |



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# Heavy Duty T-Bolt Clamps

### Size
- 7/8" wide, .040" thick

### Features
- Can be applied with a standard 1/2" socket wrench
- Not for use with pneumatic tools

### Materials
- 300-series stainless steel band
- Style HTBC carbon steel bolt, torque rating: 150 in/lbs
- Style HSTBC 300-series stainless steel bolt, torque rating: 150 in. lbs.



style HTBC



style HSTBC

| Hose O.D. | | Style HTBC Part # | Style HSTBC Part # |
|---|---|---|---|
| from | to | | |
| 2.125" | 2.4375" | HTBC238 | HSTBC238 |
| 2.250" | 2.5625" | HTBC250 | HSTBC250 |
| 2.750" | 3.0625" | HTBC300 | HSTBC300 |
| 3.250" | 3.5625" | HTBC350 | HSTBC350 |
| 3.750" | 4.0625" | HTBC400 | HSTBC400 |
| 4.250" | 4.5625" | HTBC450 | HSTBC450 |
| 4.750" | 5.0625" | HTBC500 | HSTBC500 |
| 5.250" | 5.5625" | HTBC550 | HSTBC550 |
| 5.750" | 6.0625" | HTBC600 | HSTBC600 |
| 6.250" | 6.5625" | HTBC650 | HSTBC650 |
| 6.750" | 7.0625" | HTBC700 | HSTBC700 |
| 7.250" | 7.5625" | HTBC750 | HSTBC750 |
| 7.750" | 8.0625" | HTBC800 | HSTBC800 |
| 8.266" | 8.562" | --- | HSTBC850 |
| 8.646" | 8.942" | --- | HSTBC888 |
| 8.766" | 9.062" | --- | HSTBC900 |
| 9.266" | 9.562" | --- | HSTBC950 |
| 9.766" | 10.062" | --- | HSTBC1000 |
| 10.646" | 10.942" | --- | HSTBC1088 |
| 12.646" | 12.942" | --- | HSTBC1288 |

## Long Bolt T-Bolt Clamps

**Size**
- 3/4" wide, .025" thick

**Features**
- Can be applied with a standard 7/16" socket wrench.
- Not for use with pneumatic tools

**Materials**
- 300-series stainless steel band
- 300-series stainless steel bolt, torque rating: 50 in. lbs.



| Hose O.D. | | 300-Series Stainless Steel Part # | Optional Qty |
|---|---|---|---|
| from | to | | |
| 2.80" | 3.37" | STBC325L | 25 |
| 3.05" | 3.62" | STBC350L | 25 |
| 3.37" | 3.94" | STBC382L | 25 |
| 3.55" | 4.12" | STBC400L | 25 |
| 3.75" | 4.32" | STBC420L[1] | 25 |
| 3.87" | 4.44" | STBC432L | 25 |
| 4.05" | 4.62" | STBC450L | 25 |
| 4.37" | 4.94" | STBC482L | 25 |
| 4.55" | 5.12" | STBC500L | 25 |
| 4.87" | 5.44" | STBC532L | 25 |
| 5.05" | 5.62" | STBC550L | 25 |
| 5.37" | 5.94" | STBC582L | 25 |
| 5.55" | 6.12" | STBC600L[1] | 25 |
| 5.87" | 6.44" | STBC632L | 25 |
| 6.05" | 6.62" | STBC650L | 25 |
| 6.30" | 6.87" | STBC675L | 25 |
| 6.53" | 7.10" | STBC698L | 25 |
| 6.55" | 7.12" | STBC700L[1] | 25 |
| 6.62" | 7.19" | STBC707L | 25 |
| 8.05" | 8.62" | STBC850L | 25 |
| 8.30" | 8.87" | STBC875L | 25 |
| 8.43" | 9.00" | STBC888L | 25 |
| 8.62" | 9.19" | STBC907L | 25 |
| 10.25" | 10.82" | STBC1070L | 25 |
| 10.43" | 11.00" | STBC1088L | 25 |
| 10.62" | 11.19" | STBC1107L[1] | 25 |
| 10.72" | 11.29" | STBC1117L | 25 |
| 12.20" | 12.77" | STBC1265L | 25 |
| 12.43" | 13.00" | STBC1288L | 25 |
| 12.75" | 13.32" | STBC1320L | 25 |
| 14.20" | 14.77" | STBC1465L | 25 |
| 14.43" | 15.00" | STBC1488L | 25 |
| 14.75" | 15.32" | STBC1520L | 25 |
| 16.20" | 16.77" | STBC1665L | 25 |
| 16.43" | 17.00" | STBC1688L | 25 |

[1] Stock quantities only

# Center Punch Band Clamps

### Features

- Install with center punch tools F1, F38, F40, and F100 located on page 473 other manufacturers' punch style tools may also be used
- Sold in package quantities only

### Material

- On stainless clamps, bands are 300-series stainless steel, buckles are 302-series stainless steel

## Pre-formed F-Series

| Band Width | Clamp I.D. | Band THK | Stainless Steel Part # | Pkg Qty | Band THK | Galvanized Steel Part # | Pkg Qty |
|---|---|---|---|---|---|---|---|
| 3/8" | 13/16" | .020" | FS3 | 100 | .025" | F3 | 100 |
| | 1-3/8" | .020" | FS311 | 100 | .025" | F311 | 100 |
| 5/8" | 1" | .022" | FS4 | 100 | .025" | F4 | 100 |
| | 1-1/4" | .022" | FS5 | 100 | .025" | F5 | 100 |
| | 1-1/2" | .022" | FS6 | 100 | .031" | F6 | 100 |
| | 1-3/4" | .022" | FS7 | 100 | .031" | F7 | 100 |
| | 2" | .022" | FS8 | 100 | .031" | F8 | 100 |
| | 2-1/4" | .022" | FS9 | 100 | .031" | F9 | 100 |
| | 2-1/2" | .022" | FS10 | 50 | .031" | F10 | 50 |
| | 2-3/4" | .022" | FS11 | 50 | .031" | F11 | 50 |
| | 3" | .022" | FS12 | 50 | .031" | F12 | 50 |
| | 3-1/2" | .022" | FS14 | 50 | .031" | F14 | 50 |
| | 4" | .022" | FS16 | 25 | .031" | F16 | 25 |
| | 4-1/2" | .022" | FS18 | 25 | .031" | F18 | 25 |
| | 5" | .022" | FS20 | 25 | .031" | F20 | 25 |
| | 6" | .022" | FS24 | 25 | .031" | F24 | 25 |
| | 7" | .022" | FS28 | 25 | .031" | F28 | 25 |
| | 8" | .022" | FS32 | 25 | .031" | F32 | 25 |



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## Open End FO-Series

| Band Width | Clamp I.D. | Band THK | Stainless Steel Part # | Pkg Qty | Band THK | Galvanized Steel Part # | Pkg Qty |
|---|---|---|---|---|---|---|---|
| 3/8" | 13/16" | .020" | FOS3 | 100 | .025" | FO3 | 100 |
| | 1-3/8" | .020" | FOS311 | 100 | .025" | FO311 | 100 |
| | 2" | .020" | FOS316 | 100 | .025" | FO316 | 100 |
| | 3-1/8" | .020" | FOS325 | 100 | .025" | FO325 | 100 |
| 5/8" | 2" | .022" | FOS8 | 100 | .025" | FO8 | 100 |
| | 2-1/2" | .022" | FOS10 | 50 | .025" | FO10 | 50 |
| | 3" | .022" | FOS12 | 50 | .031" | FO12 | 50 |
| | 3-1/2" | .022" | FOS14 | 50 | .031" | FO14 | 50 |
| | 4" | .022" | FOS16 | 50 | .031" | FO16 | 50 |
| | 4-1/2" | .022" | FOS18 | 50 | .031" | FO18 | 50 |
| | 5" | .022" | FOS20 | 25 | .031" | FO20 | 25 |
| | 6" | .022" | FOS24 | 25 | .031" | FO24 | 25 |
| | 7" | .022" | FOS28 | 25 | .031" | FO28 | 25 |
| | 8" | .022" | FOS32 | 25 | .031" | FO32 | 25 |
| | 9" | .022" | --- | --- | .031" | FO36 | 25 |
| | 10" | .022" | --- | --- | .031" | FO40 | 25 |
| | 12" | .022" | --- | --- | .031" | FO48 | 25 |
| | 14" | .022" | --- | --- | .031" | FO56 | 10 |



## Universal Pre-formed K-Series



### Features

- Can be center punched or rolled over; install with the center punch or roll over tools located on page 473
- Fast-Lok™ tools: F1, F40, F100, page 473
- Super Strap Tools: 51960 screw action with 51970 adapter page 474
- Bandit®: S100 air tool with S180 Jr. head, C-001 hand tool with J001 Jr. adapter, S350 air tool with S260 Jr. head, T-240 for 3/8" only or T-250 for 3/8" and 5/8", S-38 for 3/8" and 5/8", J-102 Pok-It™ for 3/8" only
- Punch-Lok® tools: P-1000 for 3/8" and 5/8", P-3000 for 3/8" only, P-38 for 3/8" and 5/8"
- Sold in package quantities only

### Materials

- On stainless clamps, bands are 300-series stainless steel, buckles are 302-series stainless steel

| Band Width | Clamp I.D. | Band THK | Stainless Steel Part # | Pkg Qty | Band THK | Galvanized Steel Part # | Pkg Qty |
|---|---|---|---|---|---|---|---|
| 3/8" | 13/16" | .025" | KS3 | 100 | .025" | K3 | 100 |
| | 1-3/8" | .025" | KS311 | 100 | .025" | K311 | 100 |
| 5/8" | 1" | .030" | KS4 | 100 | .031" | K4 | 100 |
| | 1-1/4" | .030" | KS5 | 100 | .031" | K5 | 100 |
| | 1-1/2" | .030" | KS6 | 100 | .031" | K6 | 100 |
| | 1-3/4" | .030" | KS7 | 100 | .031" | K7 | 100 |
| | 2" | .030" | KS8 | 100 | .031" | K8 | 100 |
| | 2-1/4" | .030" | KS9 | 100 | .031" | K9 | 100 |
| | 2-1/2" | .030" | KS10 | 50 | .031" | K10 | 50 |
| | 2-3/4" | .030" | KS11 | 50 | .031" | K11 | 50 |
| | 3" | .030" | KS12 | 50 | .031" | K12 | 50 |
| | 3-1/2" | .030" | KS14 | 50 | .031" | K14 | 50 |
| | 4" | .030" | KS16 | 25 | .031" | K16 | 25 |
| | 4-1/2" | .030" | KS18 | 25 | .031" | K18 | 25 |
| | 5" | .030" | KS20 | 25 | .031" | K20 | 25 |
| | 6" | .030" | KS24 | 25 | .031" | K24 | 25 |
| | 7" | .030" | KS28 | 25 | .031" | K28 | 25 |
| | 8" | .030" | KS32 | 25 | .031" | K32 | 25 |



GOODYEAR RUBBER PRODUCTS, INC.
727-342-5088
You can also email us at GRP@goodyearrubberproducts.com

## Dixon® Smooth I.D. - Roll Over Type Clamps

**Application**
- For use with industrial hose made of stiffer, thinner thermoplastics

**Features**
- Provide a uniform, gap-free inside diameter and strong holding power
- Install with roll over type clamp tools and most common band clamp tools such as the 51960 and 51970 band tools on page 474
- Sold in package quantities only

| Band Width | Clamp I.D. | Band THK | 201 Stainless Steel Part # | Pkg Qty | Galvanized Steel Part # | Pkg Qty |
|---|---|---|---|---|---|---|
| 3/8" | 13/16" | .025" | JS201 | 100 | JS301 | 100 |
| | 1" | .025" | JS243 | 100 | JS343 | 100 |
| | 1-3/8" | .025" | JS202 | 100 | JS302 | 100 |
| | 2" | .025" | JS245 | 100 | --- | --- |
| 1/2" | 1" | .030" | JS203 | 100 | JS303 | 100 |
| | 1-1/4" | .030" | JS204 | 100 | JS304 | 100 |
| | 2-3/4" | .030" | JS230 | 100 | JS330[1] | 100 |
| 5/8" | 1-1/2" | .030" | JS205 | 100 | JS305 | 100 |
| | 1-3/4" | .030" | JS206 | 100 | JS306 | 100 |
| | 2" | .030" | JS207 | 100 | JS307 | 100 |
| | 2-1/4" | .030" | JS208 | 100 | JS308 | 100 |
| | 2-1/2" | .030" | JS209 | 100 | JS309 | 100 |
| 3/4" | 2-3/4" | .030" | JS210 | 50 | --- | --- |
| | 3" | .030" | JS211 | 50 | JS311 | 50 |
| | 3-1/2" | .030" | JS212 | 50 | JS312 | 50 |
| | 4" | .030" | JS213 | 25 | JS313 | 25 |
| | 4-1/2" | .030" | JS214 | 25 | JS314 | 25 |
| | 5" | .030" | JS215 | 25 | JS315 | 25 |
| | 6" | .030" | JS216 | 25 | --- | --- |
| | 7" | .030" | JS218 | 25 | --- | --- |

[1] Stock quantities only



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## Dixon Smooth I.D. Center Punch Clamps

**Application**
- For use in applications where conditions are highly corrosive

**Features**
- Double wrapped and locked with the conical punch of the F100 tool page 473
- Unique dimple design offers excellent sealing strength while maintaining radial compression
- Heavy buckle provides optimal holding power
- Ideal for thin wall hose
- Low profile
- Sold in package quantities only

| Band Width | Clamp I.D. | Band THK | 201 Stainless Steel Part # | Pkg Qty |
|---|---|---|---|---|
| 5/8" | 1" | .025" | HBC4S | 100 |
| | 1-1/4" | .025" | HBC5S | 100 |
| | 1-1/2" | .025" | HBC6S | 100 |
| | 1-3/4" | .025" | HBC7S | 100 |
| | 2" | .025" | HBC8S | 100 |
| | 2-1/4" | .025" | HBC9S | 100 |
| | 2-1/2" | .025" | HBC10S | 50 |
| | 2-3/4" | .025" | HBC11S | 50 |
| | 3" | .025" | HBC12S | 50 |
| | 3-1/2" | .025" | HBC14S | 50 |
| | 4" | .025" | HBC16S | 25 |
| | 4-1/2" | .025" | HBC18S | 25 |
| | 5" | .025" | HBC20S | 25 |
| | 6" | .025" | HBC24S | 25 |
| | 7" | .025" | HBC28S | 25 |



## Band & Buckles System



**Features**
- Install with C2 or 51960 band clamp tools
- Sold in box quantities only

| Band Width | 201 Stainless Steel Part # | Pkg Qty | Galvanized Steel Part # | Pkg Qty |
|---|---|---|---|---|
| 3/8" | CS375 | 100 | CG375 | 100 |
| 1/2" | CS500 | 100 | CG500 | 100 |
| 5/8" | CS625 | 100 | CG625 | 100 |
| 3/4" | CS750 | 100 | CG750 | 50 |

## Strapping



**Feature**
- Install with C2 or 51960 band clamp tools

| Band Width | Band Thickness | Length | 201 Stainless Steel Part # | Galvanized Steel Part # |
|---|---|---|---|---|
| 3/8" | .025" | 100' | SS375 | SG375 |
| 1/2" | .031" | 100' | SS500 | SG500 |
| 5/8" | .031" | 100' | SS625 | SG625 |
| 3/4" | .031" | 100' | SS750 | SG750 |

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## Set Screw Buckles

**Application**
- Used in applications when a temporary clamp is desired or space limitations do not allow for tool roll-over



**Features**
- Set screw locks band after tensioning
- Sold in box quantities only

| Band Width | 201 Stainless Steel Part # | Pkg Qty |
|---|---|---|
| 1/2" | SSB500 | 25 |
| 3/4" | SSB750[1] | 25 |

[1] 3/4" buckle may be used with 5/8" band

## Stainless Steel Banding with Tote



**Features**
- Resistant to moisture
- Built-in handle
- Full view of available band
- Easy to dispense and recoil

| Band Width | Band Thickness | Length | Package Description | 201 Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | .030" | 100' | plastic blue tote | ST204B |
| 5/8" | .030" | 100' | plastic green tote | ST205G |
| 3/4" | .030" | 100' | plastic red tote | ST206R |

# Band Clamp Hand Tools

## Locking Hand Tool

**Applications**
- For application of punch type 3/8" and 5/8" band clamps
- For use with F-series only



| Part # |
|---|
| F38 |

## Intermediate Hand Tool

**Application**
- For application of 3/8" and 5/8" band clamps



| Part # |
|---|
| F40 |

## Hand Tool for 5/8" Clamps

**Application**
- For application of 5/8" band clamps

**Feature**
- Imported



| Part # |
|---|
| F1 |

## Hand Tool for 3/8" & 5/8" Clamps

**Application**
- For application of 3/8" and 5/8" band clamps

**Feature**
- Made in the USA



| Part # |
|---|
| F100 |

## Adapter for F100 Tool

**Application**
- 3/8" clamp adapter for F100 tool only



| Part # |
|---|
| F229 |

# Flexible Hose Clamp Driver

**Application**
- Flexible shaft and no-slip grip provide 90° access and work best in hard-to-reach places such as compact car and boat engines, as well as plumbing repair applications

**Features**
- Socket fits mini and standard hose clamp screw heads
- Flip the socket for the desired size of 1/4" or 5/16"



| Socket Size | Part # |
|---|---|
| 1/4" or 5/16" | FHCD |

## Band Clamp Punching Mallet



| Part # |
|---|
| F225 |

## Clamp Cutter



| Part # |
|---|
| F550 |

## Band & Buckle Clamping Tools



| Description | Part # |
|---|---|
| Clamping tool for band and buckles | 51960 |





**Application**
- For 51960 tool above

| Description | Part # |
|---|---|
| adapter for 51960 tool to install preformed clamps | 51970 |

## Hose Clamp Safety Caps

**Application**
- Push onto the end of a hose clamp





**Features**
- Protects installers from cuts and scrapes
- Protects surrounding materials from abrasion and sharp edges
- Provides a clean, professional, and finished look for any application
- Installs quickly and easily

| Width | Part # |
|---|---|
| 1/2" | SCAP12-25 |
| | SCAP12-100 |
| 9/16" | SCAP916-25 |
| | SCAP916-100 |

# Pinch-On Clamps

## Single Ear

**Sizes**
- Band width: .275"
- Band thickness: .030"

**Feature**
- Sold in package quantities only

| Nominal Size | Range | | Zinc Plated Steel Part # | 304 Stainless Steel Part # | Pkg Qty |
|---|---|---|---|---|---|
| | closed | open | | | |
| 3/8" | .350" | .413" | 105 | 105R | 100 |
| 7/16" | .382" | .445" | 113 | 113R | 100 |
| 15/32" | .409" | .484" | 123 | 123R | 100 |
| 1/2" | .449" | .524" | 133 | 133R | 100 |
| 35/64" | .469" | .551" | 140 | 140R | 100 |
| 9/16" | .496" | .571" | 145 | 145R | 100 |
| 5/8" | .543" | .618" | 157 | 157R | 100 |
| 11/16" | .595" | .669" | 170 | 170R | 100 |
| 23/32" | .618" | .728" | 185 | 185R | 100 |
| 3/4" | .669" | .780" | 198 | 198R | 100 |
| 13/16" | .717" | .827" | 210 | 210R | 100 |
| 7/8" | .780" | .890" | 226 | 226R | 100 |
| 15/16" | .839" | .949" | 241 | 241R | 100 |
| 1" | .898" | 1.008" | 256 | 256R | 100 |
| 1-1/16" | .945" | 1.067" | 271 | 271R | 100 |
| 1-1/8" | 1.004" | 1.126" | 286 | 286R | 100 |
| 1-3/16" | 1.063" | 1.185" | 301 | 301R | 100 |
| 1-5/16" | 1.181" | 1.303" | 331 | 331R | 100 |
| 1-3/8" | 1.240" | 1.362" | 346 | 346R | 100 |
| 1-15/32" | 1.358" | 1.480" | 376 | 376R | 100 |
| 1-9/16" | 1.437" | 1.559" | 396 | 396R | 100 |
| 1-5/8" | 1.492" | 1.614" | 410 | 410R | 100 |
| 1-11/16" | 1.551" | 1.673" | 425 | 425R | 100 |
| 1-23/32" | 1.610" | 1.732" | 440 | 440R | 100 |
| 1-3/4" | 1.669" | 1.791" | 455 | 455R | 100 |
| 1-13/16" | 1.728" | 1.850" | 470 | 470R | 100 |
| 1-7/8" | 1.787" | 1.909" | 485 | 485R | 100 |
| 1-15/16" | 1.847" | 1.969" | 500 | 500R | 100 |
| 2" | 1.906" | 2.028" | 515 | 515R | 100 |



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## Double Ear

**Features**
- When ordering double ear clamps, select nominal clamp size nearest to, but always larger than, the O.D. of material to be clamped after insert has been fitted
- Sold in package quantities only

| Nominal Size | Range | | Band Width | Zinc Plated Steel Part # | 304 Stainless Steel Part # | Pkg Qty |
|---|---|---|---|---|---|---|
| | closed | open | | | | |
| 3/16" | .134" | .197" | .197" | 0305 | 0305R | 100 |
| 1/4" | .197" | .276" | .236" | 0507 | 0507R | 100 |
| 5/16" | .276" | .354" | .275" | 0709 | 0709R | 100 |
| 3/8" | .319" | .433" | .275" | 0811 | 0811R | 100 |
| 1/2" | .425" | .512" | .275" | 1113 | 1113R | 100 |
| 9/16" | .492" | .591" | .295" | 1315 | 1315R | 100 |
| 19/32" | .551" | .669" | .315" | 1517 | 1517R | 100 |
| 5/8" | .591" | .709" | .315" | 1518 | 1518R | 100 |
| 3/4" | .638" | .787" | .335" | 1720 | 1720R | 100 |
| 13/16" | .709" | .866" | .354" | 1922 | 1922R | 100 |
| 7/8" | .748" | .906" | .354" | 2023 | 2023R | 100 |
| 15/16" | .827" | .984" | .394" | 2225 | 2225R | 100 |
| 1" | .886" | 1.063" | .394" | 2327 | 2327R | 100 |
| 1-1/8" | 1.035" | 1.221" | .394" | 2731 | 2731R | 100 |
| 1-7/16" | 1.260" | 1.457" | .394" | 3437 | 3437R | 100 |



## Pinch-On Stepless® Ear Clamps



**Features**

- Once installed and clamped, tampering is easily visible
- Clamps are not reusable; they should not be pried open, doing so renders the clamp nonfunctional
- Ensured clamping seal
- For low durometer or thin-walled hose/tubing
- For silicon, vinyl, polyurethane, or other high-tech materials
- Smooth inner band prevents damage to the hose while the tongue-in-groove design provides a 360° seal
- No steps or gaps inside the clamp
- Install clamps using 1098 or 1099 clamp tools below
- Clamps hold against pressure, vibration, and material shrinkage due to temperature changes or aging
- Built-in spring action permits the clamp to breathe without loosening
- When ordering, select the nominal size nearest to, but always larger than, the outside diameter of the material to be clamped, the outside diameter should be determined with connection fully assembled
- Sold in package quantities only

| Nominal Size | Range (inches) | | 304 Stainless Steel Part # | Pkg Qty |
|---|---|---|---|---|
| | closed | open | | |
| 9/32" | .228" | .275" | 0983 | 100 |
| 3/8" | .307" | .374" | 0986 | 100 |
| 7/16" | .378" | .445" | 0989 | 100 |
| 1/2" | .425" | .524" | 0993 | 100 |
| 35/64" | .453" | .551" | 0997 | 100 |
| 9/16" | .472" | .571" | 0999 | 100 |
| 5/8" | .520" | .618" | 1005 | 100 |
| 11/16" | .571" | .669" | 1009 | 100 |
| 3/4" | .654" | .779" | 1021 | 100 |
| 13/16" | .701" | .827" | 1029 | 100 |

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### Clamp Service Kit



**Includes**

- 15 of part #0709
- 15 of part #0811
- 15 of part #1113
- 15 of part #1315
- 15 of part #1518
- 12 of part #1720
- 12 of part #2023
- 12 of part #2225
- 12 of part #2327
- 1 pair of standard jaw pincers, part # 1098

| Part # |
|---|
| SK1098 |

### Standard Jaw Clamp Tool



| Part # |
|---|
| 1098 |

### Side Jaw Clamp Tool



| Part # |
|---|
| 1099 |

## Double Bolt Clamps

**Features**

- Inner surface has dual gripping ridges
- Bolt lugs are reinforced to prevent bending out of alignment
- Torque values for clamps are based on dry bolts
- The use of lubricant on bolts will adversely effect clamp performance
- Measure hose O.D. accurately before ordering clamps
- Consult Dixon® when using double bolt clamps on helical wire hose



| Hose O.D. | | Plated Iron Part # | Torque in ft. lbs. | Optional Qty |
|---|---|---|---|---|
| from | to | | | |
| 1-8/64" | 1-12/64" | J48 | 15 | 100 |
| 1-12/64" | 1-24/64" | J49 | 21 | 50 |
| 1-28/64" | 1-34/64" | JX49 | 21 | 25 |
| 1-40/64" | 1-52/64" | DL14 | 40 | 25 |
| 1-48/64" | 2-3/64" | DL20 | 27 | 25 |
| 2-7/64" | 2-19/64" | DL24[1] | 27 | 25 |
| 2-20/64" | 2-40/64" | DL32[1] | 40 | 25 |
| 2-32/64" | 2-48/64" | DL275 | 40 | 25 |
| 2-48/64" | 3-4/64" | DL306 | 60 | 20 |
| 3-4/64" | 3-24/64" | DL328 | 60 | 20 |
| 3-16/64" | 3-32/64" | DL350 | 60 | 20 |

[1] Investment cast carbon steel

## Double Bolt Clamps with Saddles



| Hose O.D. | | Plated Iron Part # | Torque in ft. lbs. | Optional Qty |
|---|---|---|---|---|
| from | to | | | |
| 3-32/64" | 3-52/64" | 400 | 40 | 25 |
| 3-50/64" | 4-4/64" | 431 | 40 | 20 |
| 4-2/64" | 4-18/64" | 463 | 40 | 20 |
| 4-16/64" | 4-60/64" | 525 | 60 | 10 |
| 4-32/64" | 5-16/64" | 550 | 60 | 10 |
| 5-8/64" | 5-44/64" | 600 | 60 | 10 |
| 5-44/64" | 5-60/64" | 639 | 60 | 10 |
| 5-60/64" | 6-32/64" | 675 | 60 | 10 |
| 6-32/64" | 7-36/64" | 769 | 60 | 10 |
| 7-44/64" | 8-12/64" | 818 | 125 | 5 |
| 8-16/64" | 8-56/64" | 875 | 125 | 5 |
| 8-60/64" | 9-56/64" | 988 | 125 | 5 |
| 9-60/64" | 11-24/64" | 1125 | 125 | 5 |
| 11-12/64" | 13" | 1275 | 125 | 3 |
| 12-12/64" | 14" | 1360 | 200 | 2 |
| 13-12/64" | 15" | 1450 | 200 | 2 |
| 15-4/64" | 17-32/64" | 1700 | 260 | 2 |

## Single Bolt Clamps



**Features**

- Measure hose O.D. accurately before ordering clamps
- Torque values for clamps are based on dry bolts
- The use of lubricant on bolts will adversely effect clamp performance

| Hose O.D. | | Plated Iron Part # | Torque in ft. lbs. |
|---|---|---|---|
| from | to | | |
| 56/64" | 1" | 2 | 6 |
| 62/64" | 1-8/64" | 3 | 6 |
| 1-4/64" | 1-12/64" | 4 | 6 |
| 1-10/64" | 1-16/64" | 5 | 6 |
| 1-16/64" | 1-24/64" | 6 | 6 |
| 1-22/64" | 1-28/64" | 7 | 6 |
| 1-28/64" | 1-36/64" | 8 | 6 |
| 1-42/64" | 1-48/64" | 10 | 6 |
| 1-48/64" | 1-56/64" | 11 | 6 |
| 1-56/64" | 2-2/64" | 12 | 6 |
| 2" | 2-8/64" | 13 | 12 |
| 2-8/64" | 2-18/64" | 14 | 12 |
| 2-16/64" | 2-26/64" | 15 | 12 |
| 2-24/64" | 2-32/64" | 16 | 12 |
| 2-32/64" | 2-40/64" | 17 | 12 |
| 2-40/64" | 2-56/64" | 18 | 12 |
| 2-56/64" | 3-4/64" | 19 | 12 |
| 3-4/64" | 3-16/64" | 20 | 12 |
| 3-16/64" | 3-28/64" | 21 | 12 |
| 3-28/64" | 3-40/64" | 22 | 21 |
| 3-40/64" | 3-52/64" | 23 | 21 |
| 3-52/64" | 4-8/64" | 24 | 21 |
| 4-8/64" | 4-20/64" | 25 | 21 |
| 4-16/64" | 4-32/64" | 26 | 21 |
| 4-28/64" | 4-40/64" | 27 | 21 |
| 4-40/64" | 4-56/64" | X27 | 21 |
| 4-56/64" | 5-16/64" | 28 | 21 |

NOTE: Single bolt clamps will become obsolete as inventory is depleted.

# Spiral Clamps

### Application
- For use on convoluted cover hose

### Features
- More than one clamp may be needed per size; contact the hose manufacturer for more information
- Due to fluctuations in the O.D. of hose each individual installation should be checked
- To determine which style clamp is needed for your hose look at the end of the hose; if the helix spirals in a clockwise direction away from you (along the hose), a clockwise clamp is needed. If the helix spirals in a counterclockwise direction away from you, a counterclockwise clamp is needed. Examples include, but are not limited to: Kuriyama convoluted hose uses counter clockwise clamps; Pacific Echo and Kana Flex use clockwise clamps; Goodyear uses both counter clockwise and clockwise.

## Clockwise

| Size | Hose O.D. | | Plated Steel, Right Hand Part # |
|---|---|---|---|
| | from | to | |
| 1-1/2" | 1-34/64" | 1-52/64" | SC150 |
| 2" | 2-18/64" | 2-32/64" | SC200 |
| 2-1/2" | 2-46/64" | 3-8/64" | SC250 |
| 3" | 3" | 3-32/64" | SC300 |
| 4" | 4" | 4-32/64" | SC400 |
| 5" | 5-6/64" | 5-32/64" | SC500 |
| 6" | 6-16/64" | 7" | SC600 |
| 8" | 8-32/64" | 9-16/64" | SC800 |
| 10" | 10-40/64" | 11-16/64" | SC1000 |
| 12" | 11-52/64" | 12-61/64" | SC1200 |



## Counter Clockwise

| Size | Hose O.D. | | Plated Steel, Left Hand Part # |
|---|---|---|---|
| | from | to | |
| 1-1/2" | 1-34/64" | 1-52/64" | SCCW150 |
| 2" | 2-18/64" | 2-32/64" | SCCW200 |
| 2-1/2" | 2-46/64" | 3-8/64" | SCCW250 |
| 3" | 3" | 3-32/64" | SCCW300 |
| 4" | 4" | 4-32/64" | SCCW400 |
| 5" | 5-6/64" | 5-32/64" | SCCW500 |
| 6" | 6-16/64" | 7" | SCCW600 |
| 8" | 8-32/64" | 9-16/64" | SCCW800 |
| 10" | 10-40/64" | 11-16/64" | SCCW1000 |
| 12" | 11-52/64" | 12-61/64" | SCCW1200 |



## Quick Disconnects.....481 - 538

H-series..... 481 - 487
H-BOP series.....488
HS-series .....489
K-series ..... 490 - 491
AG-series ..... 492 - 493
V-series ..... 494 - 502
TR-series.....503
HT-series Correct Connect® ..... 504 - 508
HTE-series Correct Connect .....509
HTZ-series Correct Connect .....510
Flushface adapter .....510
XK-series .....511
ST-series ..... 512 - 514
PD-series.....515
VEP-series ..... 516 - 518
VEP-BOP series .....519
W-series ..... 520 - 522
WS-series..... 523 - 525
WS-BOP series.....526
T-series..... 527 - 528
CVV-series..... 529 - 530
TD-series.....530
E-series ..... 531 - 533
EA-series.....534
CM-series..... 535 - 538

## Adapters.....539 - 558

Flat Face..... 539 - 540
- Unions.....539
- Connectors .....539
- 90° elbows ..... 539-540
- Tees.....540
- Caps .....540
- Plugs .....540

O-ring Boss® ..... 541 - 543
- Reducers.....541
- Unions.....541
- Elbows..... 542 - 543
- Tees.....543
- Plugs .....543

37° JIC..... 544 - 550
- Flare .....544
- Swivels.....545
- 90° flare elbows..... 545 - 546, 549
- 45° elbows .....547
- Flare unions .....547
- Flare tees .....547
- Caps .....548

## Adapters (cont.) .....539 - 558

- Nuts..... 548 - 549
- Plugs .....548
- Sleeves.....548
- Straight weld end metal hose fittings .....550
- 45° elbow weld end metal hose fittings .....550
- 90° elbow weld end metal hose fittings .....550

NPTF ..... 551 - 555
- Pipe nipples .....551
- Hex reducer bushings .....551
- 90° elbows .....551
- Swivels .....552
- Swivel nuts.....552
- Hex pipe couplings.....552
- 90° elbow swivels.....553
- 45° elbows .....553
- Tees.....554
- Hex caps .....555
- Hex plugs .....555
- Metric parallel thread .....555

BSPP (British Standard Pipe Parallel).....556
Flareless bite fittings ..... 557 - 559

## Valves.....560 - 563

Flow control.....560
Series C check.....561
High pressure ball .....561
Needle..... 562 - 563

## Hydraulic Hose Fittings.....564 - 568

Code 61 / 62 flanges..... 564 - 566
- 4-bolt NPTF ports .....564
- 4-bolt SAE ports.....564
- 4-bolt flange pipe socket welds.....565
- Split flange kits.....566
- Straight JIC .....566
- 90° JIC elbows.....566
- 45° JIC elbows.....566

Suction and return line couplings .....567
Double bolt clamps .....567
Stems.....568
Clamps for 1 or 2 wire.....568
Inline hydraulic filters.....568

## Pipe and Tubing Clamps ..... 569 - 570

Standard series .....569
Twin series.....569
Heavy duty series.....570


K

# H-Series Hydraulic Couplings

### Features
- Poppet style shut-off valves in both coupler and plug
- Interchangeable with Parker-Hannifin 60 series, Hansen HK, Faster HNV and Stucchi IRB/IRBO/IRBX. See hydraulic profile chart on page 485
- Contact Dixon® for pressure ratings and other technical information
- Contact Dixon for additional seal material options

### Specification
- Nitrile seals standard providing temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

### Approval
- Meets dimensional requirements of ISO7241 Series B

## ISO-B Female Threaded Couplers

| Body Size | Threads | Steel Part # | Brass Part # |
|---|---|---|---|
| 1/8" | 1/8" - 27 NPTF | 1HF1 | 1HF1-B |
| | 7/16" - 20 ORB | 1HOF2 | --- |
| 1/4" | 1/4" - 18 NPTF | 2HF2 | 2HF2-B |
| | 1/4" - 19 BSPP | 2HBF2 | 2HBF2-B |
| | 9/16" - 18 ORB | 2HOF3 | --- |
| 3/8" | 3/8" - 18 NPTF | 3HF3 | 3HF3-B |
| | 3/8" - 19 BSPP | 3HBF3 | 3HBF3-B |
| | 3/4" - 16 ORB | 3HOF4 | --- |
| 1/2" | 1/2" - 14 NPTF | 4HF4 | 4HF4-B |
| | 1/2" - 14 BSPP | 4HBF4 | 4HBF4-B |
| | 7/8" - 14 ORB | 4HOF5 | --- |
| 3/4" | 3/4" - 14 NPTF | 6HF6 | 6HF6-B |
| | 3/4" - 14 BSPP | 6HBF6 | 6HBF6-B |
| | 1-1/16" - 12 ORB | 6HOF6 | --- |
| 1" | 1" - 11-1/2 NPTF | 8HF8 | 8HF8-B |
| | 1" - 11 BSPP | 8HBF8 | 8HBF8-B |
| | 1-5/16" - 12 ORB | 8HOF8 | --- |



steel



brass

K

| Body Size | Threads | 303 Stainless Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1/8" | 1/8" - 27 NPTF | 1HF1-S | 1HF1-SS |
| 1/4" | 1/4" - 18 NPTF | 2HF2-S | 2HF2-SS |
| | 1/4" - 19 BSPP | 2HBF2-S | 2HBF2-SS |
| 3/8" | 3/8" - 18 NPTF | 3HF3-S | 3HF3-SS |
| | 3/8 - 19 BSPP | 3HBF3-S | 3HBF3-SS |
| 1/2" | 1/2" - 14 NPTF | 4HF4-S | 4HF4-SS |
| | 1/2" - 14 BSPP | 4HBF4-S | 4HBF4-SS |
| 3/4" | 3/4" - 14 NPTF | 6HF6-S | 6HF6-SS |
| | 3/4" - 14 BSPP | 6HBF6-S | 6HBF6-SS |
| 1" | 1" - 11-1/2 NPTF | 8HF8-S | 8HF8-SS |
| | 1" - 11 BSPP | 8HBF8-S | 8HBF8-SS |



303 stainless

## H-Series Hydraulic Couplings

### ISO-B Female Threaded Plugs



steel



brass



303 stainless

| Body Size | Threads | Steel Part # | Brass Part # |
|---|---|---|---|
| 1/8" | 1/8" - 27 NPTF | H1F1 | H1F1-B |
| | 7/16" - 20 ORB | H1OF2 | --- |
| 1/4" | 1/4" - 18 NPTF | H2F2 | H2F2-B |
| | 1/4" - 19 BSPP | H2BF2 | H2BF2-B |
| | 9/16" - 18 ORB | H2OF3 | --- |
| 3/8" | 3/8" - 18 NPTF | H3F3 | H3F3-B |
| | 3/8" - 19 BSPP | H3BF3 | H3BF3-B |
| | 3/4" - 16 ORB | H3OF4 | --- |
| 1/2" | 1/2" - 14 NPTF | H4F4 | H4F4-B |
| | 1/2" - 14 BSPP | H4BF4 | H4BF4-B |
| | 7/8" - 14 ORB | H4OF5 | --- |
| 3/4" | 3/4" - 14 NPTF | H6F6 | H6F6-B |
| | 3/4" - 14 BSPP | H6BF6 | H6BF6-B |
| | 1-1/16" - 12 ORB | H6OF6 | --- |
| 1" | 1" - 11-1/2 NPTF | H8F8 | H8F8-B |
| | 1" - 11 BSPP | H8BF8 | H8BF8-B |
| | 1-5/16" - 12 ORB | H8OF8 | --- |

| Body Size | Threads | 303 Stainless Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1/8" | 1/8" - 27 NPTF | H1F1-S | H1F1-SS |
| 1/4" | 1/4" - 18 NPTF | H2F2-S | H2F2-SS |
| | 1/4" - 19 BSPP | H2BF2-S | H2BF2-SS |
| 3/8" | 3/8" - 18 NPTF | H3F3-S | H3F3-SS |
| | 3/8" - 19 BSPP | H3BF3-S | H3BF3-SS |
| 1/2" | 1/2" - 14 NPTF | H4F4-S | H4F4-SS |
| | 1/2" - 14 BSPP | H4BF4-S | H4BF4-SS |
| 3/4" | 3/4" - 14 NPTF | H6F6-S | H6F6-SS |
| | 3/4" - 14 BSPP | H6BF6-S | H6BF6-SS |
| 1" | 1" - 11-1/2 NPTF | H8F8-S | H8F8-SS |
| | 1" - 11 BSPP | H8BF8-S | H8BF8-SS |

### ISO-B Male Threaded Plugs





| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPTF | H2M2 |
| 1/4" | 3/8" - 18 NPTF | H2M3 |

| Body Size | Threads | 303 Stainless Steel Part # |
|---|---|---|
| 1/2" | 3/4" - 14 NPTF | H4M6-S |

# H-Series Hydraulic Couplings

## ISO-B High Volume Female Threaded Couplers

| Body Size | Threads | Steel Part # | Brass Part # | 303 Stainless Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|---|
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | 10HF10 | 10HF10-B | 10HF10-S | 10HF10-SS |
| | 1-1/4" - 11 BSPP | 10HBF10 | --- | --- | 10HBF10-SS |
| 1-1/2" | 1-1/4" - 11-1/2 NPTF | 12HF10 | 12HF10-B | 12HF10-S | --- |
| | 1-5/8" - 12 ORB | 12HOF10 | --- | --- | --- |
| | 1-1/2" - 11-1/2 NPTF | 12HF12 | 12HF12-B | 12HF12-S | 12HF12-SS |
| | 1-1/2" - 11 BSPP | 12HBF12 | 12HBF12-B | 12HBF12-S | 12HBF12-SS |
| | 1-7/8" - 12 ORB | 12HOF12 | --- | --- | --- |
| 2-1/2" | 2" - 11-1/2 NPTF | 20HF16 | 20HF16-B | --- | --- |
| | 2-1/2" - 8 NPTF | 20HF20 | --- | --- | --- |
| | 3" - 8 NPTF | 20HF24 | --- | --- | --- |



steel



brass



316 stainless

K

## ISO-B High Volume Female Threaded Plugs

| Body Size | Threads | Steel Part # | Brass Part # | 303 Stainless Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|---|
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | H10F10 | H10F10-B | H10F10-S | H10F10-SS |
| | 1-1/4" - 11 BSPP | H10BF10 | --- | --- | H10BF10-SS |
| 1-1/2" | 1-1/4" - 11-1/2 NPTF | H12F10 | H12F10-B | H12F10-S | --- |
| | 1-5/8" - 12 ORB | H12OF10 | --- | --- | --- |
| | 1-1/2" - 11-1/2 NPTF | H12F12 | H12F12-B | H12F12-S | H12F12-SS |
| | 1-1/2" - 11 BSPP | H12BF12 | H12BF12-B | H12BF12-S | H12BF12-SS |
| | 1-7/8" - 12 ORB | H12OF12 | --- | --- | --- |
| 2-1/2" | 2" - 11-1/2 NPTF | H20F16 | H20F16-B | --- | --- |
| | 2-1/2" - 8 NPTF | H20F20 | --- | --- | --- |
| | 3" - 8 NPTF | H20F24 | --- | --- | --- |



steel



brass



303 stainless

## H-Series Hydraulic Couplings



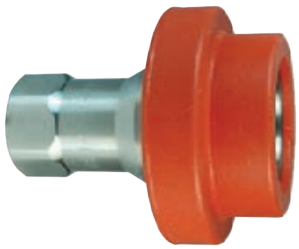
### ISO-B Steel Mill 'Slide Gate' Female Threaded Couplers

| Body Size | Female Threads | Steel Part # |
|---|---|---|
| 1/2" | 1/2" - 14 NPTF | 4HF4-HV |



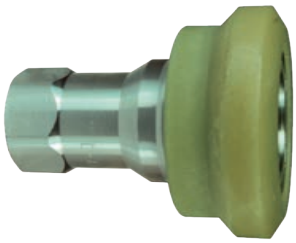
### ISO-B Steel Mill 'Slide Gate' Female Threaded Plugs

| Body Size | Female Threads | Steel Part # |
|---|---|---|
| 1/2" | 1/2" - 14 NPTF | H4F4-HV |



### ISO-B Food Grade Silicone Flanged Female Threaded Couplers

| Body Size | Female Threads | 303 Stainless Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1/2" | 1/2" - 14 NPTF | D-4HF4-S-FSB | D-4HF4-SS-FSB |



### ISO-B Food Grade Nylon Flanged Female Threaded Couplers

| Body Size | Female Threads | 303 Stainless Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1/2" | 1/2" - 14 NPTF | D-4HF4-S-FNS | D-4HF4-SS-FNS |



### ISO-B Food Grade Female Threaded Plugs

| Body Size | Female Threads | Steel Part # | 303 Stainless Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | 1/2" - 14 NPTF | D-H4F4-SV-8 | D-H4F4-S | D-H4F4-SS |



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You can also email us at GRP@goodyearrubberproducts.com

# H-Series Hydraulic Couplings

## ISO-B Dust Caps / Plugs

| Body Size | Nitrile Part # |
|---|---|
| 1/8" | 1HDP |
| | H1DC |
| 1/4" | 2HDP-H2DC |
| 3/8" | 3HDP-H3DC |
| 1/2" | 4HDP-H4DC |
| 3/4" | 6HDP-H6DC |
| 1" | 8HDP-H8DC[1] |



[1] 8HDP-H8DC fits both 1" and 1-1/4" body sizes

## ISO-B Rigid Dust Plugs

| Body Size | Aluminum body with steel cable Part # |
|---|---|
| 1/4" | 2HDP-A |
| 3/8" | 3HDP-A |
| 1/2" | 4HDP-A |
| 3/4" | 6HDP-A |
| 1" | 8HDP-A |
| 1-1/2" | 12HDP-A |
| 2-1/2" | 20HDP-A |



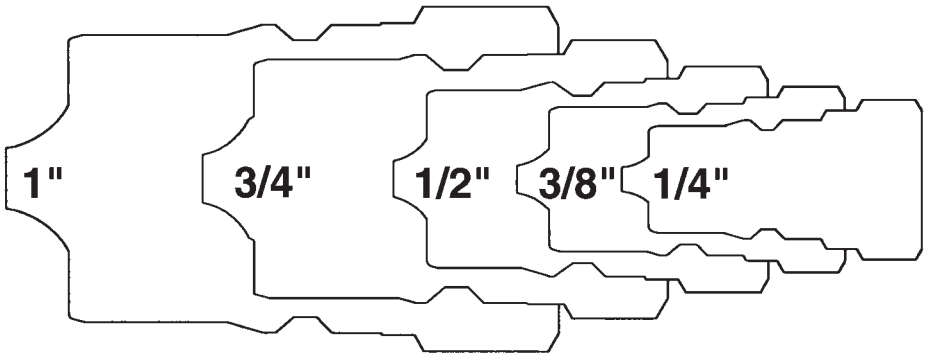
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## ISO-B Rigid Dust Caps

| Body Size | Aluminum body with steel cable Part # |
|---|---|
| 1/4" | H2DC-A |
| 3/8" | H3DC-A |
| 1/2" | H4DC-A |
| 3/4" | H6DC-A |
| 1" | H8DC-A |
| 1-1/2" | H12DC-A |
| 2-1/2" | H20DC-A |



## Plug Profiles




### Industry/Competitor Interchange

ISO7241-B
Hansen HK
Eaton/Aeroquip FD45
Parker 60
Faster HNV
Stucchi IRB/IRBO/IRBX

## H-Series Hydraulic Couplings

### ISO-B Coupler Seal Kits

| Body Size | Coupler Material | Description | EPDM Part # | FKM Part # | Nitrile Part # |
|---|---|---|---|---|---|
| 1/8" | brass, steel, 303 SS, 316 SS | two O-rings and one PTFE anti-extrusion ring | P-1H-SKIT | F-1H-SKIT | 1H-SKIT |
| 1/4" | brass, steel, 303 SS, 316 SS | two O-rings and one PTFE anti-extrusion ring | P-2H-SKIT | F-2H-SKIT | 2H-SKIT |
| 3/8" | brass, steel, 303 SS, 316 SS | two O-rings and one PTFE anti-extrusion ring | P-3H-SKIT | F-3H-SKIT | 3H-SKIT |
| 1/2" | brass, steel, 303 SS, 316 SS | two O-rings and one PTFE anti-extrusion ring | P-4H-SKIT | F-4H-SKIT | 4H-SKIT |
| 3/4" | brass, steel, 303 SS, 316 SS | two O-rings and one PTFE anti-extrusion ring | P-6H-SKIT | F-6H-SKIT | 6H-SKIT |
| 1" | brass, steel, 303 SS, 316 SS | two O-rings and one PTFE anti-extrusion ring | P-8H-SKIT | F-8H-SKIT | 8H-SKIT |
| 1-1/4" | brass, steel, 303 SS, 316 SS | adapter / valve O-ring and two body O-rings | P-10H-SKIT | F-10H-SKIT | 10H-SKIT |
| 1-1/2" | brass, steel, 303 SS, 316 SS | adapter / valve O-ring and two body O-rings | P-12H-SKIT | F-12H-SKIT | 12H-SKIT |

## H-Series Hydraulic Couplings

### ISO-B Repair Kits

| Body Size | Coupler Material | Seal Material | Description | Part # |
|---|---|---|---|---|
| 1/4" | steel | nitrile | steel valve assembly and retaining ring | 2H-RKIT |
| | brass | nitrile | brass valve assembly and retaining ring | 2H-BRKIT |
| | 303 stainless | nitrile | 303 SS valve assembly and retaining ring | 2H-SRKIT |
| | 316 stainless | nitrile | 316 SS valve assembly and retaining ring | 2H-SSRKIT |
| 3/8" | steel | nitrile | steel valve assembly and retaining ring | 3H-RKIT |
| | brass | nitrile | brass valve assembly and retaining ring | 3H-BRKIT |
| | 303 stainless | nitrile | 303 SS valve assembly and retaining ring | 3H-SRKIT |
| | 316 stainless | nitrile | 316 SS valve assembly and retaining ring | 3H-SSRKIT |
| 1/2" | steel | nitrile | steel valve assembly and retaining ring | 4H-RKIT |
| | brass | nitrile | brass valve assembly and retaining ring | 4H-BRKIT |
| | 303 stainless | nitrile | 303 SS valve assembly and retaining ring | 4H-SRKIT |
| | 316 stainless | nitrile | 316 SS valve assembly and retaining ring | 4H-SSRKIT |
| 3/4" | steel | nitrile | steel valve assembly and retaining ring | 6H-RKIT |
| | brass | nitrile | brass valve assembly and retaining ring | 6H-BRKIT |
| | 303 stainless | nitrile | 303 SS valve assembly and retaining ring | 6H-SRKIT |
| | 316 stainless | nitrile | 316 SS valve assembly and retaining ring | 6H-SSRKIT |
| 1" | steel | nitrile | steel valve assembly and retaining ring | 8H-RKIT |
| | brass | nitrile | brass valve assembly and retaining ring | 8H-BRKIT |
| | 303 stainless | nitrile | 303 SS valve assembly and retaining ring | 8H-SRKIT |
| | 316 stainless | nitrile | 316 SS valve assembly and retaining ring | 8H-SSRKIT |
| 1-1/4" | steel | nitrile | steel valve assembly and adapter O-ring | 10H-RKIT |
| | brass | nitrile | brass valve assembly and adapter O-ring | 10H-BRKIT |
| | 303 stainless | nitrile | 303 SS valve assembly and adapter O-ring | 10H-SRKIT |
| | 316 stainless | nitrile | 316 SS valve assembly and adapter O-ring | 10H-SSRKIT |
| 1-1/2" | steel | nitrile | steel valve assembly and adapter O-ring | 12H-RKIT |
| | brass | nitrile | brass valve assembly and adapter O-ring | 12H-BRKIT |
| | 303 stainless | nitrile | 303 SS valve assembly and adapter O-ring | 12H-SRKIT |
| | 316 stainless | nitrile | 316 SS valve assembly and adapter O-ring | 12H-SSRKIT |

## H-BOP Series Hydraulic Couplings

### Application
- Designed specifically for blowout preventer systems on drilling rigs

### Features
- Steel coupler sleeves are hardened to resist deformation and maximize service life
- Individually marked with the BOP series designation
- Interchangeable with ISO7241 Series B, Eaton/Hansen HKFR-Series, DNP HNV-BOP Series

### Specification
- Pressure rating **5000 PSI** at **70°F (21°C)**

### Approval
- Fire tested and Lloyd's certified to **1300°F (700°C)** in accordance with API 16D; certificate available upon request



### Blowout Preventer Safety Female Couplers

| Body Size | Female Threads | Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 3/8" | 3/8" - 18 NPTF | 3HF3-BOP | 3HF3-SS-BOP |
| 1/2" | 1/2" - 14 NPTF | 4HF4-BOP | 4HF4-SS-BOP |
| 3/4" | 3/4" - 14 NPTF | 6HF6-BOP | 6HF6-SS-BOP |
| 1" | 1" - 11-1/2 NPTF | 8HF8-BOP | 8HF8-SS-BOP |

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### Blowout Preventer Safety Female Plugs

| Body Size | Female Threads | Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 3/8" | 3/8" - 18 NPTF | H3F3-BOP | H3F3-SS-BOP |
| 1/2" | 1/2" - 14 NPTF | H4F4-BOP | H4F4-SS-BOP |
| 3/4" | 3/4" - 14 NPTF | H6F6-BOP | H6F6-SS-BOP |
| 1" | 1" - 11-1/2 NPTF | H8F8-BOP | H8F8-SS-BOP |

# HS-Series Hydraulic Couplings

### Application
- Designed exclusively for steam applications

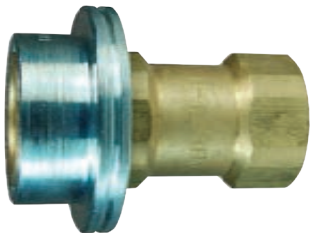
### Feature
- Coupler has a large plated steel sleeve designed for easier gripping with gloves

### Specifications
- Special high-temp EPDM O-rings designed for steam service providing a temperature range of -**70°F** to **400°F** (**-57°C** to **204°C**)
- Rated to **200 PSI** gauge saturated steam **382°F (194°C)**

**Warning: Do not disconnect under pressure!**

## ISO-B Steam Interchange Female Threaded Couplers

| Body Size | Threads | Brass Part # | 303 Stainless Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" - 18 NPTF | 2HSF2-B | 2HSF2-S |
| | 1/4" - 19 BSPP | 2HSBF2-B | 2HSBF2-S |
| 3/8" | 3/8" - 18 NPTF | 3HSF3-B | 3HSF3-S |
| | 3/8" - 19 BSPP | 3HSBF3-B | 3HSBF3-S |
| 1/2" | 1/2" - 14 NPTF | 4HSF4-B | 4HSF4-S |
| | 1/2" - 14 BSPP | 4HSBF4-B | 4HSBF4-S |
| 3/4" | 3/4" - 14 NPTF | 6HSF6-B | 6HSF6-S |
| | 3/4" - 14 BSPP | 6HSBF6-B | 6HSBF6-S |
| 1" | 1" - 11-1/2 NPTF | 8HSF8-B | 8HSF8-S |
| | 1" - 11 BSPP | 8HSBF8-B | 8HSBF8-S |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | PS-12HF12-B | --- |



brass



303 stainless

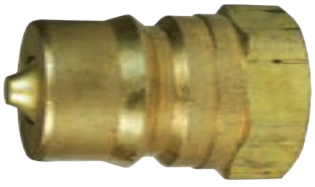
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## ISO-B Steam Interchange Female Threaded Plugs

| Body Size | Threads | Steel Part # | Brass Part # | 303 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/4" - 18 NPTF | HS2F2 | HS2F2-B | HS2F2-S |
| | 1/4" - 19 BSPP | HS2BF2 | HS2BF2-B | HS2BF2-S |
| 3/8" | 3/8" - 18 NPTF | HS3F3 | HS3F3-B | HS3F3-S |
| | 3/8" - 19 BSPP | HS3BF3 | HS3BF3-B | HS3BF3-S |
| 1/2" | 1/2" - 14 NPTF | HS4F4 | HS4F4-B | HS4F4-S |
| | 1/2" - 14 BSPP | HS4BF4 | HS4BF4-B | HS4BF4-S |
| 3/4" | 3/4" - 14 NPTF | HS6F6 | HS6F6-B | HS6F6-S |
| | 3/4" - 14 BSPP | HS6BF6 | HS6BF6-B | HS6BF6-S |
| 1" | 1" - 11-1/2 NPTF | HS8F8 | HS8F8-B | HS8F8-S |
| | 1" - 11 BSPP | HS8BF8 | HS8BF8-B | HS8BF8-S |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | --- | PS-H12F12-B | --- |



steel



brass



303 stainless

## K-Series Hydraulic Couplings

**Features**

- Poppet style shut-off valves in both coupler and plug
- Interchangeable with Aeroquip/Eaton FD56 (5600), Parker 6600, and ISO-A 7241 interchange. See Hydraulic Profile Chart on page 491
- Contact Dixon® for additional seal material options, pressure ratings and other technical information

**Specification**

- Nitrile rubber seal standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)



4KF4 -steel



6KF6 - steel



10KF10 -steel

### ISO-A Interchange Female Threaded Couplers

| Body Size | Threads | Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1/4" | 1/8" - 27 NPTF | 2KF1 | --- |
| | 1/4" - 18 NPTF | 2KF2 | 2KF2-SS |
| | 1/4" - 19 BSPP | 2KBF2 | 2KBF2-SS |
| | 7/16" - 20 ORB | 2KOF2 | --- |
| 3/8" | 3/8" - 18 NPTF | 3KF3 | 3KF3-SS |
| | 3/8" - 19 BSPP | 3KBF3 | 3KBF3-SS |
| | 9/16" - 18 ORB | 3KOF3 | --- |
| 1/2" | 1/2" - 14 NPTF | 4KF4 | 4KF4-SS |
| | 1/2" - 14 BSPP | 4KBF4 | 4KBF4-SS |
| | 3/4" - 16 ORB | 4KOF4 | --- |
| | 7/8" - 14 ORB | 4KOF5 | --- |
| | 3/4" - 14 NPTF | 4KF6 | --- |
| 3/4" | 3/4" - 14 NPTF | 6KF6 | 6KF6-SS |
| | 3/4" - 14 BSPP | 6KBF6 | 6KBF6-SS |
| | 1-1/16" - 12 ORB | 6KOF6 | --- |
| 1" | 1" - 11-1/2 NPTF | 8KF8 | 8KF8-SS |
| | 1" - 11 BSPP | 8KBF8 | 8KBF8-SS |
| | 1-5/16" - 12 ORB | 8KOF8 | --- |
| 1-1/4" | 1-1/4" - 11-1/2 NPT | 10KF10 | --- |
| | 1-1/4" - 11 BSPP | 10KBF10 | --- |
| 1-1/2" | 1-1/2" - 11-1/2 NPT | 12KF12 | --- |
| | 1-1/2" - 11 BSPP | 12KBF12 | --- |
| 2" | 2" - 11-1/2 NPT | 16KF16 | --- |
| | 2" - 11 BSPP | 16KBF16 | --- |



K4F4 - steel



K6F6 - steel

### ISO-A Interchange Female Threaded Plugs

| Body Size | Threads | Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1/4" | 1/8" - 27 NPTF | K2F1 | --- |
| | 1/4" - 18 NPTF | K2F2 | K2F2-SS |
| | 1/4" - 19 BSPP | K2BF2 | K2BF2-SS |
| | 7/16" - 20 ORB | K2OF2 | --- |
| 3/8" | 3/8" - 18 NPTF | K3F3 | K3F3-SS |
| | 3/8" - 19 BSPP | K3BF3 | K3BF3-SS |
| | 9/16" - 18 ORB | K3OF3 | --- |
| 1/2" | 1/2" - 14 NPTF | K4F4 | K4F4-SS |
| | 1/2" - 14 BSPP | K4BF4 | K4BF4-SS |
| | 3/4" - 16 ORB | K4OF4 | --- |
| | 7/8" - 14 ORB | K4OF5 | --- |
| | 3/4" - 14 NPTF | K4F6 | --- |
| 3/4" | 3/4" - 14 NPTF | K6F6 | K6F6-SS |
| | 3/4" - 14 BSPP | K6BF6 | K6BF6-SS |
| | 1-1/16" - 12 ORB | K6OF6 | --- |
| 1" | 1" - 11-1/2 NPTF | K8F8 | K8F8-SS |
| | 1" - 11 BSPP | K8BF8 | K8BF8-SS |
| | 1-5/16" - 12 ORB | K8OF8 | --- |
| 1-1/4" | 1-1/4" - 11-1/2 NPT | K10F10 | --- |
| | 1-1/4" - 11 BSPP | K10BF10 | --- |
| 1-1/2" | 1-1/2" - 11-1/2 NPT | K12F12 | --- |
| | 1-1/2" - 11 BSPP | K12BF12 | --- |



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# K-Series Hydraulic Couplings

## ISO-A Interchange Dust Caps / Plugs



| Body Size | Nitrile Part # |
|---|---|
| 1/4" | 2KDP-K2DC |
| 3/8" | 3KDP-K3DC |
| 3/4" | 6KDP-K6DC |
| 1" | 8KDP-K8DC |

## ISO-A Interchange Color Coded Dust Plugs



| Body Size | Color | Nitrile Part # |
|---|---|---|
| 1/2" | black | 4KDP |
| | red | 4K-R-DP |
| | orange | 4K-O-DP |
| | yellow | 4K-Y-DP |
| | green | 4K-G-DP |
| | blue | 4K-B-DP |

## ISO-A Interchange Color Coded Dust Caps

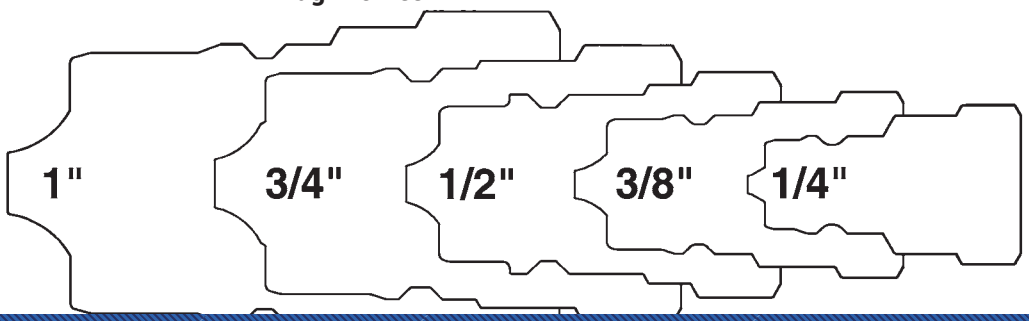


| Body Size | Color | Nitrile Part # |
|---|---|---|
| 1/2" | black | K4DC |
| | red | K4-R-DC |
| | orange | K4-O-DC |
| | yellow | K4-Y-DC |
| | green | K4-G-DC |
| | blue | K4-B-DC |

## ISO-A Interchange Coupler Seal Kits

| Body Size | Coupler Style | Description | Nitrile Part # |
|---|---|---|---|
| 1/4" | all | O-ring and PTFE anti-extrusion ring | 2K-SKIT |
| 3/8" | all | O-ring and PTFE anti-extrusion ring | 3K-SKIT |
| 1/2" | all | O-ring and PTFE anti-extrusion ring | 4K-SKIT |
| 3/4" | all | O-ring and PTFE anti-extrusion ring | 6K-SKIT |
| 1" | all | O-ring and PTFE anti-extrusion ring | 8K-SKIT |
| 1-1/4" | all | O-ring and PTFE anti-extrusion ring | 10K-SKIT |
| 1-1/2" | all | O-ring and PTFE anti-extrusion ring | 12K-SKIT |
| 2" | all | O-ring and PTFE anti-extrusion ring | 16K-SKIT |

## Plug Profiles




### Industry/Competitor Interchange

ISO7241-A
Eaton/Aeroquip 5600
Parker 6600
Faster ANV
Safeway S56

## AG-Series Hydraulic Couplings

**Application**
- Used on construction equipment, farm implements, and most other mobile equipment

**Features**
- Ball valve and poppet valve options available
- Interchangeable with Pioneer 4000 series, Faster NS/NV, Safeway S20, and Stucchi IR-series. See Hydraulic Profile Chart on page 493
- Contact Dixon® for pressure ratings and other technical information

**Specification**
- Nitrile rubber seal standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

### Agricultural Ball Valve Female Threaded Couplers



| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPTF | 2AGF2 |
| 3/8" | 3/8" - 18 NPTF | 3AGF3 |
| 1/2" | 1/2" - 14 NPTF | 4AGF4 |
| | 1/2" - 14 BSPP | 4AGBF4 |
| | 3/4" - 16 ORB | 4AGOF4 |
| | 7/8" - 14 ORB | 4AGOF5 |
| | 3/4" - 14 NPTF | 4AGF6 |
| 3/4" | 3/4" - 14 NPTF | 6AGF6 |
| 1" | 1" - 11-1/2 NPTF | 8AGF8 |

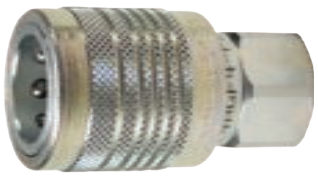
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### Agricultural Poppet Valve Female Threaded Couplers



| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPTF | 2AGF2-PV |
| 3/8" | 3/8" - 18 NPTF | 3AGF3-PV |
| 1/2" | 1/2" - 14 NPTF | 4AGF4-PV |
| | 1/2" - 14 BSPP | 4AGBF4-PV |
| | 3/4" - 16 ORB | 4AGOF4-PV |
| | 7/8" - 14 ORB | 4AGOF5-PV |
| | 3/4" - 14 NPTF | 4AGF6-PV |
| 3/4" | 3/4" - 14 NPTF | 6AGF6-PV |
| 1" | 1" - 11-1/2 NPTF | 8AGF8-PV |

### Agricultural Push-Pull Ball Valve Female Threaded Couplers



| Body Size | Threads | Steel Part # |
|---|---|---|
| 3/8" | 3/8" - 18 NPTF | 3AGF3-PS |
| 1/2" | 1/2" - 14 NPTF | 4AGF4-PS |
| | 3/8" - 16 ORB | 4AGOF4-PS |
| | 7/8" - 14 ORB | 4AGOF5-PS |
| | 3/4" - 14 NPTF | 4AGF6-PS |
| 3/4" | 3/4" - 14 NPTF | 6AGF6-PS |

### Agricultural Push-Pull Poppet Valve Female Threaded Couplers



| Body Size | Threads | Steel Part # |
|---|---|---|
| 3/8" | 3/8" - 18 NPTF | 3AGF3-PV-PS |
| 1/2" | 1/2" - 14 NPTF | 4AGF4-PV-PS |
| | 3/4" - 16 ORB | 4AGOF4-PV-PS |
| | 7/8" - 14 ORB | 4AGOF5-PV-PS |
| | 3/4" - 14 NPTF | 4AGF6-PV-PS |

# AG-Series Hydraulic Couplings

## Agricultural Ball Valve Female Threaded Plugs

| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPTF | AG2F2 |
| 3/8" | 3/8" - 18 NPTF | AG3F3 |
| 1/2" | 1/2" - 14 NPTF | AG4F4 |
| | 1/2" - 14 BSPP | AG4BF4 |
| | 3/4" - 16 ORB | AG4OF4 |
| | 7/8" - 14 ORB | AG4OF5 |
| | 3/4" - 14 NPTF | AG4F6 |
| 3/4" | 3/4" - 14 NPTF | AG6F6 |
| 1" | 1" - 11-1/2 NPTF | AG8F8 |



## Agricultural Poppet Valve Female Threaded Plugs

| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPTF | AG2F2-PV |
| 3/8" | 3/8" - 18 NPTF | AG3F3-PV |
| 1/2" | 1/2" - 14 NPTF | AG4F4-PV |
| | 1/2" - 14 BSPP | AG4BF4-PV |
| | 3/4" - 16 ORB | AG4OF4-PV |
| | 7/8" - 14 ORB | AG4OF5-PV |
| | 3/4" - 14 NPTF | AG4F6-PV |
| 3/4" | 3/4" - 14 NPTF | AG6F6-PV |
| 1" | 1" - 11-1/2 NPTF | AG8F8-PV |



## AG-Series Agricultural Interchange Connect Under Residual Pressure Plug (Female Threads)

| Body Size | Part Detail | | | Length | | Maximum O.D. | | Hex Inch |
|---|---|---|---|---|---|---|---|---|
| | Part # | Threads | Material | Inch | mm | Inch | mm | |
| 1/2" | AGE4F4-PV | 1/2" - 14 NPTF | steel | 2.03 | 51.56 | 1.20 | 30.48 | 1-1/16" |
| | AGE4OF4-PV | 3/4" - 16 ORB | | | | | | |



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## Agricultural Dust Plugs

| Body Size | Elastomer Part # |
|---|---|
| 1/4" | 2AGDP |
| 3/8" | 3AGDP |
| 1/2" | For 1/2" Please refer to the color coded K-series dust plugs on pg. 491 |
| 3/4" | 6AGDP |
| 1" | 8AGDP |

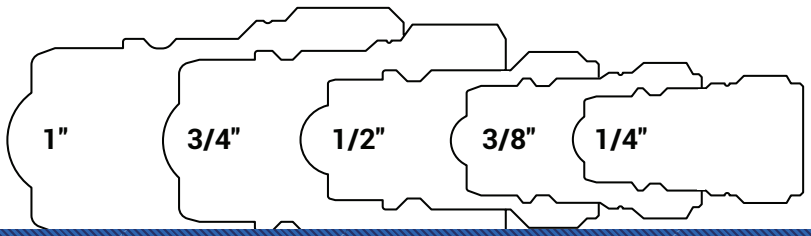


## Agricultural Dust Caps

| Body Size | Elastomer Part # |
|---|---|
| 1/4" | AG2DC |
| 3/8" | AG3DC |
| 1/2" | For 1/2" Please refer to the color coded K-series dust caps on pg. 491 |
| 3/4" | AG6DC |
| 1" | AG8DC |



## Plug Profiles




### Industry/Competitor Interchange

Parker/Pioneer 4000
Safeway S20
Faster NS/NV

## V-Series Hydraulic Couplings

### Features

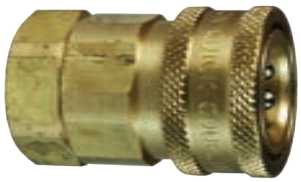
- General purpose hydraulic quick-connect provides superior flow characteristics for a variety of applications
- Interchangeable with Snap-tite H/IH Series, Foster FH/HS and Faster TNV/TNL, see Hydraulic Profile Chart on page 500
- Contact Dixon® for additional seal material options
- Contact Dixon for pressure ratings and other technical information

### Specification

- Nitrile seal standard providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)



steel



brass



stainless steel

### Interchange Valved Female Threaded Couplers

| Body Size | Threads | Steel Part # | Brass Part # |
|---|---|---|---|
| 1/4" | 1/8" - 27 NPTF | 2VF1 | --- |
| | 1/4" - 18 NPTF | 2VF2 | 2VF2-B |
| | 1/4" - 19 BSPP | 2VBF2 | 2VBF2-B |
| | 7/16" - 20 ORB | 2VOF2 | --- |
| 3/8" | 3/8" - 18 NPTF | 3VF3 | 3VF3-B |
| | 3/8" - 19 BSPP | 3VBF3 | 3VBF3-B |
| | 9/16" - 18 ORB | 3VOF3 | --- |
| | 1/2" - 14 NPTF | 3VF4 | --- |
| 1/2" | 1/2" - 14 NPTF | 4VF4 | 4VF4-B |
| | 1/2" - 14 BSPP | 4VBF4 | 4VBF4-B |
| | 3/4" - 16 ORB | 4VOF4 | --- |
| | 3/4" - 14 NPTF | 4VF6 | --- |
| 3/4" | 3/4" - 14 NPTF | 6VF6 | 6VF6-B |
| | 3/4" - 14 BSPP | 6VBF6 | 6VBF6-B |
| | 1-1/16" - 12 ORB | 6VOF6 | --- |
| 1" | 1" - 11-1/2 NPTF | 8VF8 | 8VF8-B |
| | 1" - 11 BSPP | 8VBF8 | 8VBF8-B |
| | 1-5/16" - 12 ORB | 8VOF8 | --- |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | 10VF10 | 10VF10-B |
| | 1-1/4" - 11 BSPP | 10VBF10 | 10VBF10-B |
| | 1-5/8" - 12 ORB | 10VOF10 | --- |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | 12VF12 | 12VF12-B |
| | 1-1/2" - 11 BSPP | 12VBF12 | 12VBF12-B |
| | 1-7/8" - 12 ORB | 12VOF12 | --- |
| 2" | 2" - 11-1/2 NPTF | 16VF16 | 16VF16-B |
| | 2" - 11 BSPP | 16VBF16 | 16VBF16-B |

| Body Size | Threads | 316 Stainless Steel Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPTF | 2VF2-SS |
| | 1/4" - 19 BSPP | 2VBF2-SS |
| 3/8" | 3/8" - 18 NPTF | 3VF3-SS |
| | 3/8" - 19 BSPP | 3VBF3-SS |
| 1/2" | 1/2" - 14 NPTF | 4VF4-SS |
| | 1/2" - 14 BSPP | 4VBF4-SS |
| 3/4" | 3/4" - 14 NPTF | 6VF6-SS |
| | 3/4" - 14 BSPP | 6VBF6-SS |
| 1" | 1" - 11-1/2 NPTF | 8VF8-SS |
| | 1" - 11 BSPP | 8VBF8-SS |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | 10VF10-SS |
| | 1-1/4" - 11 BSPP | 10VBF10-SS |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | 12VF12-SS |
| | 1-1/2" - 11 BSPP | 12VBF12-SS |
| 2" | 2" - 11-1/2 NPTF | 16VF16-SS |
| | 2" - 11 BSPP | 16VBF16-SS |



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# V-Series Hydraulic Couplings

## Interchange Valved Male Threaded Couplers

| Body Size | Threads | Steel Part # | Brass Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/8" - 27 NPTF | 2VM1 | --- | --- |
| | 1/4" - 18 NPTF | 2VM2 | 2VM2-B | 2VM2-SS |
| | 7/16" - 20 JIC | 2VJM2 | --- | --- |
| 3/8" | 3/8" - 18 NPTF | 3VM3 | 3VM3-B | 3VM3-SS |
| | 9/16" - 18 JIC | 3VJM3 | --- | --- |
| 1/2" | 1/2" - 14 NPTF | 4VM4 | 4VM4-B | 4VM4-SS |
| | 3/4" - 16 JIC | 4VJM4 | --- | --- |
| 3/4" | 3/4" - 14 NPTF | 6VM6 | 6VM6-B | 6VM6-SS |
| | 1-1/16" - 12 JIC | 6VJM6 | --- | --- |
| 1" | 1" - 11-1/2 NPTF | 8VM8 | 8VM8-B | 8VM8-SS |
| | 1-5/16" - 12 JIC | 8VJM8 | --- | --- |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | 10VM10 | 10VM10-B | 10VM10-SS |
| | 1-5/8" - 12 JIC | 10VJM10 | --- | --- |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | 12VM12 | 12VM12-B | 12VM12-SS |
| 2" | 2" - 11-1/2 NPTF | 16VM16 | 16VM16-B | 16VM16-SS |



steel



brass



316 stainless



steel - JIC

K

## Interchange Valved Male Threaded Plugs

| Body Size | Threads | Steel Part # | Brass Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/8" - 27 NPTF | V2M1 | --- | --- |
| | 1/4" - 18 NPTF | V2M2 | V2M2-B | V2M2-SS |
| | 7/16" - 20 JIC | V2JM2 | --- | --- |
| 3/8" | 3/8" - 18 NPTF | V3M3 | V3M3-B | V3M3-SS |
| | 9/16" - 18 JIC | V3JM3 | --- | --- |
| 1/2" | 1/2" - 14 NPTF | V4M4 | V4M4-B | V4M4-SS |
| | 3/4" - 16 JIC | V4JM4 | --- | --- |
| 3/4" | 3/4" - 14 NPTF | V6M6 | V6M6-B | V6M6-SS |
| | 1-1/16" - 12 JIC | V6JM6 | --- | --- |
| 1" | 1" - 11-1/2 NPTF | V8M8 | V8M8-B | V8M8-SS |
| | 1-5/16" - 12 JIC | V8JM8 | --- | --- |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | V10M10 | V10M10-B | V10M10-SS |
| | 1-5/8" - 12 JIC | V10JM10 | --- | --- |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | V12M12 | V12M12-B | V12M12-SS |
| 2" | 2" - 11-1/2 NPTF | V16M16 | V16M16-B | V16M16-SS |



steel



brass



316 stainless

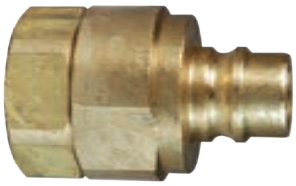


## V-Series Hydraulic Couplings

### Interchange Valved Female Threaded Plugs



steel



brass

| Body Size | Threads | Steel Part # | Brass Part # |
|---|---|---|---|
| 1/4" | 1/8" - 27 NPTF | V2F1 | --- |
| | 1/4" - 18 NPTF | V2F2 | V2F2-B |
| | 1/4" - 19 BSPP | V2BF2 | V2BF2-B |
| | 7/16" - 20 ORB | V2OF2 | --- |
| 3/8" | 3/8" - 18 NPTF | V3F3 | V3F3-B |
| | 3/8" - 19 BSPP | V3BF3 | V3BF3-B |
| | 9/16" - 18 ORB | V3OF3 | --- |
| | 1/2" - 14 NPTF | V3F4 | --- |
| 1/2" | 1/2" - 14 NPTF | V4F4 | V4F4-B |
| | 1/2" - 14 BSPP | V4BF4 | V4BF4-B |
| | 3/4" - 16 ORB | V4OF4 | --- |
| | 3/4" - 14 NPTF | V4F6 | --- |
| 3/4" | 3/4" - 14 NPTF | V6F6 | V6F6-B |
| | 3/4" - 14 BSPP | V6BF6 | V6BF6-B |
| | 1-1/16" - 12 ORB | V6OF6 | --- |
| 1" | 1" - 11-1/2 NPTF | V8F8 | V8F8-B |
| | 1" - 11 BSPP | V8BF8 | V8BF8-B |
| | 1-5/16" - 12 ORB | V8OF8 | --- |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | V10F10 | V10F10-B |
| | 1-1/4" - 11 BSPP | V10BF10 | V10BF10-B |
| | 1-5/8" - 12 ORB | V10OF10 | --- |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | V12F12 | V12F12-B |
| | 1-1/2" - 11 BSPP | V12BF12 | V12BF12-B |
| | 1-7/8" - 12 ORB | V12OF12 | --- |
| 2" | 2" - 11-1/2 NPTF | V16F16 | V16F16-B |
| | 2" - 11 BSPP | V16BF16 | V16BF16-B |



stainless steel

| Body Size | Threads | 316 Stainless Steel Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPTF | V2F2-SS |
| | 1/4" - 19 BSPP | V2BF2-SS |
| 3/8" | 3/8" - 18 NPTF | V3F3-SS |
| | 3/8" - 19 BSPP | V3BF3-SS |
| 1/2" | 1/2" - 14 NPTF | V4F4-SS |
| | 1/2" - 14 BSPP | V4BF4-SS |
| 3/4" | 3/4" - 14 NPTF | V6F6-SS |
| | 3/4" - 14 BSPP | V6BF6-SS |
| 1" | 1" - 11-1/2 NPTF | V8F8-SS |
| | 1" - 11 BSPP | V8BF8-SS |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | V10F10-SS |
| | 1-1-/4" - 11 BSPP | V10BF10-SS |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | V12F12-SS |
| | 1-1/2" - 11 BSPP | V12BF12-SS |
| 2" | 2" - 11-1/2 NPTF | V16F16-SS |
| | 2" - 11 BSPP | V16BF16-SS |

# V-Series Hydraulic Couplings

## Interchange Unvalved Female Threaded Couplers

| Body Size | Threads | Steel Part # | Brass Part # |
|---|---|---|---|
| 1/4" | 1/4" - 18 NPTF | 2VF2-E | 2VF2-B-E |
| | 1/4" - 19 BSPP | 2VBF2-E | 2VBF2-B-E |
| 3/8" | 3/8" - 18 NPTF | 3VF3-E | 3VF3-B-E |
| | 3/8" - 19 BSPP | 3VBF3-E | 3VBF3-B-E |
| 1/2" | 1/2" - 14 NPTF | 4VF4-E | 4VF4-B-E |
| | 1/2" - 14 BSPP | 4VBF4-E | 4VBF4-B-E |
| 3/4" | 3/4" - 14 NPTF | 6VF6-E | 6VF6-B-E |
| | 3/4" - 14 BSPP | 6VBF6-E | 6VBF6-B-E |
| 1" | 1" - 11-1/2 NPTF | 8VF8-E | 8VF8-B-E |
| | 1" - 11 BSPP | 8VBF8-E | 8VBF8-B-E |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | 10VF10-E | 10VF10-B-E |
| | 1-1/4" - 11 BSPP | 10VBF10-E | 10VBF10-B-E |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | 12VF12-E | 12VF12-B-E |
| 2" | 2" - 11-1/2 NPTF | 16VF16-E | 16VF16-B-E |



steel



brass

| Body Size | Threads | 316 Stainless Steel Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPTF | 2VF2-SS-E |
| | 1/4" - 19 BSPP | 2VBF2-SS-E |
| 3/8" | 3/8" - 18 NPTF | 3VF3-SS-E |
| | 3/8" - 19 BSPP | 3VBF3-SS-E |
| 1/2" | 1/2" - 14 NPTF | 4VF4-SS-E |
| | 1/2" - 14 BSPP | 4VBF4-SS-E |
| 3/4" | 3/4" - 14 NPTF | 6VF6-SS-E |
| | 3/4" - 14 BSPP | 6VBF6-SS-E |
| 1" | 1" - 11-1/2 NPTF | 8VF8-SS-E |
| | 1" - 11 BSPP | 8VBF8-SS-E |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | 10VF10-SS-E |
| | 1-1/4" - 11 BSPP | 10VBF10-SS-E |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | 12VF12-SS-E |
| 2" | 2" - 11-1/2 NPTF | 16VF16-SS-E |



316 stainless

## V-Series Hydraulic Couplings



steel



brass



316 stainless



### Interchange Unvalved Male Threaded Couplers

| Body Size | Threads | Steel Part # | Brass Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/4" - 18 NPTF | 2VM2-E | 2VM2-B-E | 2VM2-SS-E |
| 3/8" | 3/8" - 18 NPTF | 3VM3-E | 3VM3-B-E | 3VM3-SS-E |
| 1/2" | 1/2" - 14 NPTF | 4VM4-E | 4VM4-B-E | 4VM4-SS-E |
| 3/4" | 3/4" - 14 NPTF | 6VM6-E | 6VM6-B-E | 6VM6-SS-E |
| 1" | 1" - 11-1/2 NPTF | 8VM8-E | 8VM8-B-E | 8VM8-SS-E |
| 11/4" | 1-1/4" - 11-1/2 NPTF | 10VM10-E | --- | 10VM10-SS-E |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | 12VM12-E | --- | 12VM12-SS-E |
| 2" | 2" - 11-1/2 NPTF | 16VM16-E | --- | 16VM16-SS-E |



steel



brass



316 stainless

### Interchange Unvalved Male Threaded Plugs

| Body Size | Threads | Steel Part # | Brass Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/4" - 18 NPTF | V2M2-E | V2M2-B-E | V2M2-SS-E |
| 3/8" | 3/8" - 18 NPTF | V3M3-E | V3M3-B-E | V3M3-SS-E |
| 1/2" | 1/2" - 14 NPTF | V4M4-E | V4M4-B-E | V4M4-SS-E |
| 3/4" | 3/4" - 14 NPTF | V6M6-E | V6M6-B-E | V6M6-SS-E |
| 1" | 1" - 11-1/2 NPTF | V8M8-E | V8M8-B-E | V8M8-SS-E |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | V10M10-E | --- | V10M10-SS-E |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | V12M12-E | --- | V12M12-SS-E |
| 2" | 2" - 11-1/2 NPTF | V16M16-E | --- | V16M16-SS-E |

## V-Series Hydraulic Couplings

### Interchange Unvalved Female Threaded Plugs

| Body Size | Threads | Steel Part # | Brass Part # |
|---|---|---|---|
| 1/4" | 1/4" - 18 NPTF | V2F2-E | V2F2-B-E |
| | 1/4" - 19 BSPP | V2BF2-E | V2BF2-B-E |
| 3/8" | 3/8" - 18 NPTF | V3F3-E | V3F3-B-E |
| | 3/8" - 19 BSPP | V3BF3-E | V3BF3-B-E |
| 1/2" | 1/2" - 14 NPTF | V4F4-E | V4F4-B-E |
| | 1/2" - 14 BSPP | V4BF4-E | V4BF4-B-E |
| 3/4" | 3/4" - 14 NPTF | V6F6-E | V6F6-B-E |
| | 3/4" - 14 BSPP | V6BF6-E | V6BF6-B-E |
| 1" | 1" - 11-1/2 NPTF | V8F8-E | V8F8-B-E |
| | 1" - 11 BSPP | V8BF8-E | V8BF8-B-E |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | V10F10-E | V10F10-B-E |
| | 1-1/4" - 11 BSPP | V10BF10-E | V10BF10-B-E |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | V12F12-E | V12F12-B-E |
| 2" | 2" - 11-1/2 NPTF | V16F16-E | V16F16-B-E |



steel



brass

| Body Size | Threads | 316 Stainless Steel Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPTF | V2F2-SS-E |
| | 1/4" - 19 BSPP | V2BF2-SS-E |
| 3/8" | 3/8" - 18 NPTF | V3F3-SS-E |
| | 3/8" - 19 BSPP | V3BF3-SS-E |
| 1/2" | 1/2" - 14 NPTF | V4F4-SS-E |
| | 1/2" - 14 BSPP | V4BF4-SS-E |
| 3/4" | 3/4" - 14 NPTF | V6F6-SS-E |
| | 3/4" - 14 BSPP | V6BF6-SS-E |
| 1" | 1" - 11-1/2 NPTF | V8F8-SS-E |
| | 1" - 11 BSPP | V8BF8-SS-E |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | V10F10-SS-E |
| | 1-1/4" - 11 BSPP | V10BF10-SS-E |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | V12F12-SS-E |
| 2" | 2" - 11-1/2 NPTF | V16F16-SS-E |



# V-Series Hydraulic Couplings



### Interchange Dust Caps / Plugs

| Body Size | Nitrile Part # |
|---|---|
| 1/4" | 1HDP |
| | V2DC |
| 3/8" | 3VDP-V3DC |
| 1/2" | 3KDP-K3DC |
| 3/4" | 6VDP-V6DC |
| 1" | 8VDP-V8DC |



### Interchange Dust Plugs

| Body Size | Aluminum body with steel cable Part # |
|---|---|
| 1/4" | 2VDP-A |
| 3/8" | 3VDP-A |
| 1/2" | 4VDP-A |
| 3/4" | 6VDP-A |
| 1" | 8VDP-A |
| 1-1/4" | 10VDP-A |
| 1-1/2" | 12VDP-A |
| 2" | 16VDP-A |

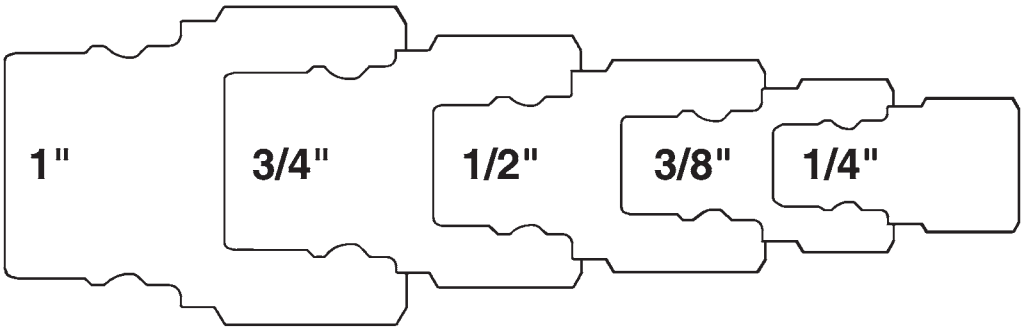
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### Interchange Dust Caps

| Body Size | Aluminum body with steel cable Part # |
|---|---|
| 1/4" | V2DC-A |
| 3/8" | V3DC-A |
| 1/2" | V4DC-A |
| 3/4" | V6DC-A |
| 1" | V8DC-A |
| 1-1/4" | V10DC-A |
| 1-1/2" | V12DC-A |
| 2" | V16DC-A |

### Plug Profiles




### Industry/Competitor Interchange

Snap-tite H
Faster TNV
MIL-C-51234

# V-Series Hydraulic Couplings

## Interchange Coupler Seal Kits

| Body Size | Coupler Style | Description | Nitrile Part # |
|---|---|---|---|
| 1/4" | all | body / adapter O-rings and PTFE back-up | 2V-SKIT |
| 3/8" | all | body / adapter O-rings and PTFE back-up | 3V-SKIT |
| 1/2" | all | body / adapter O-rings and PTFE back-up | 4V-SKIT |
| 3/4" | all | body / adapter O-rings and PTFE back-up | 6V-SKIT |
| 1" | all | body / adapter O-rings and PTFE back-up | 8V-SKIT |
| 1-1/4" | all | body / adapter/valve O-rings and back-up | 10V-SKIT |
| 1-1/2" | all | body / adapter/valve O-rings and back-up | 12V-SKIT |
| 2" | all | body / adapter/valve O-rings and back-up | 16V-SKIT |

| Body Size | Coupler Style | Description | FKM Part # |
|---|---|---|---|
| 1/4" | all | body / adapter O-rings and PTFE back-up | F-2V-SKIT |
| 3/8" | all | body / adapter O-rings and PTFE back-up | F-3V-SKIT |
| 1/2" | all | body / adapter O-rings and PTFE back-up | F-4V-SKIT |
| 3/4" | all | body / adapter O-rings and PTFE back-up | F-6V-SKIT |
| 1" | all | body / adapter O-rings and PTFE back-up | F-8V-SKIT |
| 1-1/4" | all | body / adapter/valve O-rings and back-up | F-10V-SKIT |
| 1-1/2" | all | body / adapter/valve O-rings and back-up | F-12V-SKIT |
| 2" | all | body / adapter/valve O-rings and back-up | F-16V-SKIT |

| Body Size | Coupler Style | Description | EPDM Part # |
|---|---|---|---|
| 1/4" | all | body / adapter O-rings and PTFE back-up | P-2V-SKIT |
| 3/8" | all | body / adapter O-rings and PTFE back-up | P-3V-SKIT |
| 1/2" | all | body / adapter O-rings and PTFE back-up | P-4V-SKIT |
| 3/4" | all | body / adapter O-rings and PTFE back-up | P-6V-SKIT |
| 1" | all | body / adapter O-rings and PTFE back-up | P-8V-SKIT |
| 1-1/4" | all | body / adapter/valve O-rings and back-up | P-10V-SKIT |
| 1-1/2" | all | body / adapter/valve O-rings and back-up | P-12V-SKIT |
| 2" | all | body / adapter/valve O-rings and back-up | P-16V-SKIT |



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## V-Series Hydraulic Couplings

### Interchange Coupler Repair Kits

| Body Size | Coupler Material | Seal Material | Description | Part # |
|---|---|---|---|---|
| 1/4" | steel | nitrile | steel valve assembly and adapter O-ring | 2V-RKIT |
| | brass | nitrile | brass valve assembly and adapter O-ring | 2V-BRKIT |
| | 316 stainless | nitrile | 316 SS valve assembly and adapter O-ring | 2V-SSRKIT |
| 3/8" | steel | nitrile | steel valve assembly and adapter O-ring | 3V-RKIT |
| | brass | nitrile | brass valve assembly and adapter O-ring | 3V-BRKIT |
| | 316 stainless | nitrile | 316 SS valve assembly and adapter O-ring | 3V-SSRKIT |
| 1/2" | steel | nitrile | steel valve assembly and adapter O-ring | 4V-RKIT |
| | brass | nitrile | brass valve assembly and adapter O-ring | 4V-BRKIT |
| | 316 stainless | nitrile | 316 SS valve assembly and adapter O-ring | 4V-SSRKIT |
| 3/4" | steel | nitrile | steel valve assembly and adapter O-ring | 6V-RKIT |
| | brass | nitrile | brass valve assembly and adapter O-ring | 6V-BRKIT |
| | 316 stainless | nitrile | 316 SS valve assembly and adapter O-ring | 6V-SSRKIT |
| 1" | steel | nitrile | steel valve assembly and adapter O-ring | 8V-RKIT |
| | brass | nitrile | brass valve assembly and adapter O-ring | 8V-BRKIT |
| | 316 stainless | nitrile | 316 SS valve assembly and adapter O-ring | 8V-SSRKIT |
| 1-1/4" | steel | nitrile | steel valve assembly and adapter O-ring | 140030-10 |
| | 316 stainless | nitrile | 316 SS valve assembly and adapter O-ring | 140032-10 |
| 1-1/2" | steel | nitrile | steel valve assembly and adapter O-ring | 140030-12 |
| | 316 stainless | nitrile | 316 SS valve assembly and adapter O-ring | 140032-12 |
| 2" | steel | nitrile | steel valve assembly and adapter O-ring | 140030-16 |
| | 316 stainless | nitrile | 316 SS valve assembly and adapter O-ring | 140032-16 |



### Interchange Plug Repair Kits

| Body Size | Coupler Material | Seal Material | Description | Part # |
|---|---|---|---|---|
| 1/4" | steel | nitrile | steel valve assembly and adapter O-ring | V2-RKIT |
| | brass | nitrile | brass valve assembly and adapter O-ring | V2-BRKIT |
| | 316 stainless | nitrile | 316 SS valve assembly and adapter O-ring | V2-SSRKIT |
| 3/8" | steel | nitrile | steel valve assembly and adapter O-ring | V3-RKIT |
| | brass | nitrile | brass valve assembly and adapter O-ring | V3-BRKIT |
| | 316 stainless | nitrile | 316 SS valve assembly and adapter O-ring | V3-SSRKIT |
| 1/2" | steel | nitrile | steel valve assembly and adapter O-ring | V4-RKIT |
| | brass | nitrile | brass valve assembly and adapter O-ring | V4-BRKIT |
| | 316 stainless | nitrile | 316 SS valve assembly and adapter O-ring | V4-SSRKIT |
| 3/4" | steel | nitrile | steel valve assembly and adapter O-ring | V6-RKIT |
| | brass | nitrile | brass valve assembly and adapter O-ring | V6-BRKIT |
| | 316 stainless | nitrile | 316 SS valve assembly and adapter O-ring | V6-SSRKIT |
| 1" | steel | nitrile | steel valve assembly and adapter O-ring | V8-RKIT |
| | brass | nitrile | brass valve assembly and adapter O-ring | V8-BRKIT |
| | 316 stainless | nitrile | 316 SS valve assembly and adapter O-ring | V8-SSRKIT |
| 1-1/4" | steel | nitrile | steel valve assembly and adapter O-ring | 140030-10 |
| | 316 stainless | nitrile | 316 SS valve assembly and adapter O-ring | 140032-10 |
| 1-1/2" | steel | nitrile | steel valve assembly and adapter O-ring | 140030-12 |
| | 316 stainless | nitrile | 316 SS valve assembly and adapter O-ring | 140032-12 |
| | steel | nitrile | steel valve assembly and adapter O-ring | 140030-16 |

## TR-Series Hydraulic Couplings

### Features
- Interchangeable with TEMA European, 3800, 5000, 7500, 10000 series
- Valve seals are crimped in place to maintain integrity during excessive flow conditions and pressurized connection
- Contact Dixon® for pressure ratings and other technical information

### Specification
- Nitrile rubber seal standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

### Tema European Female Threaded Couplers

| Body Size | Threads | Steel Part # |
|---|---|---|
| 3/8" | 3/8" - 18 NPTF | 3TRF3 |
| | 3/8" - 19 BSPP | 3TRBF3 |
| 1/2" | 1/2" - 14 NPTF | 4TRF4 |
| | 1/2" - 14 BSPP | 4TRBF4 |
| 3/4" | 3/4" - 14 NPTF | 6TRF6 |
| | 3/4" - 14 BSPP | 6TRBF6 |
| 1" | 1" - 11-1/2 NPTF | 8TRF8 |
| | 1" - 11 BSPP | 8TRBF8 |



### Tema European Female Threaded Plugs

| Body Size | Threads | Steel Part # |
|---|---|---|
| 3/8" | 3/8" - 18 NPTF | TR3F3 |
| | 3/8" - 19 BSPP | TR3BF3 |
| 1/2" | 1/2" - 14 NPTF | TR4F4 |
| | 1/2" - 14 BSPP | TR4BF4 |
| 3/4" | 3/4" - 14 NPTF | TR6F6 |
| | 3/4" - 14 BSPP | TR6BF6 |
| 1" | 1" - 11-1/2 NPTF | TR8F8 |
| | 1" - 11 BSPP | TR8BF8 |



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### Tema European Coupler Seal Kits

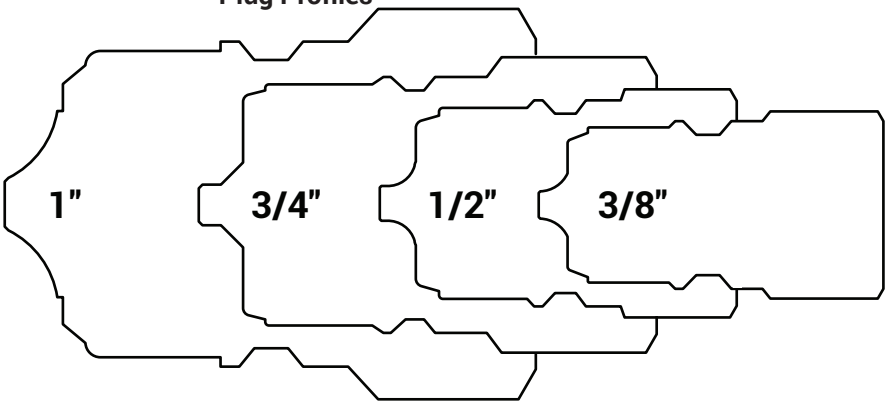
| Body Size | Coupler Style | Seal Kit Contents | Nitrile Part # |
|---|---|---|---|
| 3/8" | all | two O-rings and one PTFE back-up ring | 3TR-SKIT |
| 1/2" | all | two O-rings and one PTFE back-up ring | 4TR-SKIT |
| 3/4" | all | two O-rings and one PTFE back-up ring | 6TR-SKIT |
| 1" | all | two O-rings and one PTFE back-up ring | 8TR-SKIT |



### Industry/Competitor Interchange

TEMA European Interchange
TEMA 3800, 5000, 7500, 1000 Series
CEJN Series 525

### Plug Profiles



## HT-Series Correct Connect®



Correct Connect shown on HT-Series couplers and plugs.

### Challenges
- Time wasted identifying proper hose routing
- Equipment damage due to incorrect connections
- Product cross-contamination

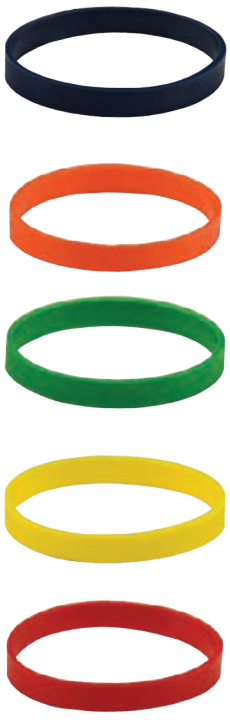
### Solution
- HT-Series Correct Connect color bands
- Easily identify seals, materials, or sizes for application
- Helps with preventative maintenance schedules
- Reduces setup time for more efficient hose routing

### Applications
- Used in equipment for oilfield, industrial hydraulic, and construction

### Sizes
- Body: 1/4" to 1"

### Features
- Blue band standard; color bands sold separately (orange, green, yellow, and red)
- No special tools required - field replaceable
- Also available in connect-under-pressure HTE-Series and HTZ-Series





### Materials
- Steel and 316 stainless steel
- Nitrile/polyurethane seals standard; additional seal materials are available
- Polyurethane color bands

### Specifications
- Temperature range: **-40°F to 212°F (-40°C to 100°C)** with standard seals
- **5,000 PSI** from 1/4" - 1"

### Approvals
- ISO16028 interchange
- Interchangeable with Parker FEM, Stucchi FIRG - Series A, Faster FFH, Eaton FF - FD89, Holmbury HQ

| Body Size | Description | Blue Part # | Orange Part # | Green Part # | Yellow Part # | Red Part # |
|---|---|---|---|---|---|---|
| 1/4" | coupler band | 2HTBAND-B | 2HTBAND-O | 2HTBAND-G | 2HTBAND-Y | 2HTBAND-R |
| | plug band | HT2BAND-B | HT2BAND-O | HT2BAND-G | HT2BAND-Y | HT2BAND-R |
| 3/8" | coupler band | 3HTBAND-B | 3HTBAND-O | 3HTBAND-G | 3HTBAND-Y | 3HTBAND-R |
| | plug band | HT3BAND-B | HT3BAND-O | HT3BAND-G | HT3BAND-Y | HT3BAND-R |
| 1/2" | coupler band | 4HTBAND-B | 4HTBAND-O | 4HTBAND-G | 4HTBAND-Y | 4HTBAND-R |
| | plug band | HT4BAND-B | HT4BAND-O | HT4BAND-G | HT4BAND-Y | HT4BAND-R |
| 5/8" | coupler band | 5HTBAND-B | 5HTBAND-O | 5HTBAND-G | 5HTBAND-Y | 5HTBAND-R |
| | plug band | HT5BAND-B | HT5BAND-O | HT5BAND-G | HT5BAND-Y | HT5BAND-R |
| 3/4" | coupler band | 6HTBAND-B | 6HTBAND-O | 6HTBAND-G | 6HTBAND-Y | 6HTBAND-R |
| | plug band | HT6BAND-B | HT6BAND-O | HT6BAND-G | HT6BAND-Y | HT6BAND-R |
| 1" | coupler band | 8HTBAND-B | 8HTBAND-O | 8HTBAND-G | 8HTBAND-Y | 8HTBAND-R |

DIXON
The Right Connection®

## HT-Series Correct Connect®

### Features

- Minimizes fluid loss resulting in a cleaner, safe work environment
- Automatic, push-to-connect couplings provide high flow with minimal pressure drop assuring maximum hydraulic system performance
- To reduce the possibility of accidental disconnect, the sleeve lock safety feature requires turning the collar to unlock the coupling
- Contact Dixon® for additional seal material options, pressure ratings, and other technical information

### Approvals

- Conforms to ISO16028 interchange standard; interchangeable with Eaton/Hansen FF, Parker FEM, Snap-tite 74, Faster FFH/2FFN/2FFI, Stucchi A/FIRG, and Holmbury HQ/A/FIMC

### ISO16028 Flushface Female Threaded Couplers

| Body Size | Threads | Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" - 18 NPTF | 2HTF2 | --- |
| | 1/4" - 19 BSPP | 2HTBF2 | --- |
| | 9/16" - 18 ORB | 2HTOF3 | --- |
| 3/8" | 3/8" - 18 NPTF | 3HTF3 | 3HTF3-SS |
| | 3/8" - 19 BSPP | 3HTBF3 | 3HTBF3-SS |
| | 9/16" - 18 ORB | 3HTOF3 | --- |
| | 1/2" - 14 NPTF | 3HTF4 | 3HTF4-SS |
| | 1/2" - 14 BSPP | 3HTBF4 | 3HTBF4-SS |
| | 3/4" - 16 ORB | 3HTOF4 | --- |
| 1/2" | 1/2" - 14 NPTF | 4HTF4 | 4HTF4-SS |
| | 1/2" - 14 BSPP | 4HTBF4 | 4HTBF4-SS |
| | 3/4" - 16 ORB | 4HTOF4 | --- |
| | 7/8" - 14 ORB | 4HTOF5 | --- |
| | 3/4" - 14 NPTF | 4HTF6 | 4HTF6-SS |
| | 3/4" - 14 BSPP | 4HTBF6 | 4HTBF6-SS |
| | 1-9/16" - 12 ORB | 4HTOF6 | --- |
| 5/8" | 7/8" - 14 ORB | 5HTOF5 | --- |
| | 3/4" - 14 NPTF | 5HTF6 | 5HTF6-SS |
| | 3/4" - 14 BSPP | 5HTBF6 | 5HTBF6-SS |
| | 1-9/16" - 12 ORB | 5HTOF6 | --- |
| 3/4" | 7/8" - 14 ORB | 6HTOF5 | --- |
| | 3/4" - 14 NPTF | 6HTF6 | 6HTF6-SS |
| | 3/4" - 14 BSPP | 6HTBF6 | 6HTBF6-SS |
| | 1-9/16" - 12 ORB | 6HTOF6 | --- |
| | 1" - 11-1/2 NPTF | 6HTF8 | 6HTF8-SS |
| | 1" - 11 BSPP | 6HTBF8 | 6HTBF8-SS |
| | 1-9/16" - 12 ORB | 6HTOF8 | --- |
| 1" | 1" - 11-1/2 NPTF | 8HTF8 | 8HTF8-SS |
| | 1" - 11 BSPP | 8HTBF8 | 8HTBF8-SS |
| | 1-9/16" - 12 ORB | 8HTOF8 | --- |
| | 1-1/4" - 11-1/2 NPTF | 8HTF10 | 8HTF10-SS |
| | 1-1/4" - 11 BSPP | 8HTBF10 | 8HTBF10-SS |
| | 1-5/8" - 12 ORB | 8HTOF10 | --- |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | 12HTF12 | --- |
| | 1-1/2" - 11 BSPP | 12HTBF12 | --- |
| | 1-7/8" - 12 ORB | 12HTOF12 | --- |
| 2" | 2" - 11-1/2 NPTF | 16HTF16 | --- |
| | 2" - 11 BSPP | 16HTBF16 | --- |
| | 2-1/2" - 12 ORB | 16HTOF16 | --- |



steel



316 stainless

### ISO16028 Flushface Male Threaded Couplers

| Body Size | Threads | Steel Part # |
|---|---|---|
| 3/8" | 3/8" - 18 NPTF | 3HTM3 |
| | 1/2" - 14 NPTF | 3HTM4 |
| | 9/16" - 18 ORB | 3HTOM3 |
| | 3/4" - 16 ORB | 3HTOM4 |



3HTM3





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## HT-Series Correct Connect®

### ISO16028 Flushface Female Threaded Plugs



steel



316 stainless

| Body Size | Threads | Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" - 18 NPTF | HT2F2 | --- |
| | 1/4" - 19 BSPP | HT2BF2 | --- |
| | 9/16" - 18 ORB | HT2OF3 | --- |
| 3/8" | 3/8" - 18 NPTF | HT3F3 | HT3F3-SS |
| | 3/8" - 19 BSPP | HT3BF3 | HT3BF3-SS |
| | 9/16" - 18 ORB | HT3OF3 | --- |
| | 1/2" - 14 NPTF | HT3F4 | HT3F4-SS |
| | 1/2" - 14 BSPP | HT3BF4 | HT3BF4-SS |
| | 3/4" - 16 ORB | HT3OF4 | --- |
| 1/2" | 1/2" - 14 NPTF | HT4F4 | HT4F4-SS |
| | 1/2" - 14 BSPP | HT4BF4 | HT4BF4-SS |
| | 3/4" - 16 ORB | HT4OF4 | --- |
| | 7/8" - 14 ORB | HT4OF5 | --- |
| | 3/4" - 14 NPTF | HT4F6 | HT4F6-SS |
| | 3/4" - 14 BSPP | HT4BF6 | HT4BF6-SS |
| | 1-1/6" - 12 ORB | HT4OF6 | --- |
| 5/8" | 7/8" - 14 ORB | HT5OF5 | --- |
| | 3/4" - 14 NPTF | HT5F6 | HT5F6-SS |
| | 3/4" - 14 BSPP | HT5BF6 | HT5BF6-SS |
| | 1-1/16" - 12 ORB | HT5OF6 | --- |
| 3/4" | 7/8" - 14 ORB | HT6OF5 | --- |
| | 3/4" - 14 NPTF | HT6F6 | HT6F6-SS |
| | 3/4" - 14 BSPP | HT6BF6 | HT6BF6-SS |
| | 1-1/16" - 12 ORB | HT6OF6 | --- |
| | 1" - 11-1/2 NPTF | HT6F8 | HT6F8-SS |
| | 1" - 11 BSPP | HT6BF8 | HT6BF8-SS |
| | 1-5/16" - 12 ORB | HT6OF8 | --- |
| 1" | 1" - 11-1/2 NPTF | HT8F8 | HT8F8-SS |
| | 1" - 11 BSPP | HT8BF8 | HT8BF8-SS |
| | 1-5/16" - 12 ORB | HT8OF8 | --- |
| | 1-1/4" - 11-1/2 NPTF | HT8F10 | HT8F10-SS |
| | 1-1/4" - 11 BSPP | HT8BF10 | HT8BF10-SS |
| | 1-5/8" - 12 ORB | HT8OF10 | --- |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | HT12F12 | --- |
| | 1-1/2" - 11 BSPP | HT12BF12 | --- |
| | 1-7/8" - 12 ORB | HT12OF12 | --- |
| 2" | 2" - 11-1/2 NPTF | HT16F16 | --- |
| | 2" - 11 BSPP | HT16BF16 | --- |
| | 2-1/2" - 12 ORB | HT16OF16 | --- |

### ISO16028 Flushface Male Threaded Plugs



HT4M4



HT3OM4

| Body Size | Threads | Steel Part # |
|---|---|---|
| 3/8" | 3/8" - 18 NPTF | HT3M3 |
| | 1/2" - 14 NPTF | HT3M4 |
| | 9/16" - 18 ORB | HT3OM3 |
| | 3/4" - 16 ORB | HT3OM4 |
| 1/2" | 1/2" - 14 NPTF | HT4M4 |



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## HT-Series Correct Connect®

### ISO16028 Flushface Male Threaded Bulkhead Couplers

| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/2" | 13/16"-16 ORFS BH | 4HTRB4 |
| | 7/8" - 14 JIC BH | 4HTJB5 |
| | 1" - 14 ORFS BH | 4HTRB5 |
| | 1-1/16" - 12 JIC BH | 4HTJB6 |
| | 1-3/16"-12 ORFS BH | 4HTRB6 |



4HTJB5



4HTRB5

### ISO16028 Flushface Male Threaded Bulkhead Plugs

| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/2" | 13/16"-16 ORFS BH | HT4RB4 |
| | 7/8" - 14 JIC BH | HT4JB5 |
| | 1" - 14 ORFS BH | HT4RB5 |
| | 1-1/16" - 12 JIC BH | HT4JB6 |
| | 1-3/16-12 ORFS BH | HT4RB6 |



HT4JB5



HT4RB5

### ISO16028 Flushface 90° Female Threaded Couplers

| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/2" | 9/16"-18 ORB | 4HT90F3 |
| | 3/4" - 16 ORB | 4HT90F4 |



### ISO16028 Flushface 90° Female Threaded Plugs

| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/2" | 9/16-18 ORB | HT490F3 |
| | 3/4" - 16 ORB | HT490F4 |



K

### ISO16028 Flushface Interchange Coupler with Flange Sleeve

| Body Size | Threads | Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPTF | 2HTF2-FS |
| 3/8" | 3/8" - 18 NPTF | 3HTF3-FS |
| 1/2" | 1/2" - 14 NPTF | 4HTF4-FS |
| 3/4" | 3/4" - 14 NPTF | 6HTF6-FS |
| 1" | 1" - 11-1/2 NPTF | 8HTF8-FS |



### ISO16028 Flushface Coupler Dust Plugs

| Body Size | Nitrile Part # |
|---|---|
| 1/4" | 2HTDP |
| 3/8" | 3HTDP |
| 1/2" | 4HTDP |
| 5/8" | 5HTDP |
| 3/4" | 6HTDP |
| 1" | 8HTDP |



### ISO16028 Flushface Plug Dust Caps

| Body Size | Nitrile Part # |
|---|---|
| 1/4" | HT2DC |
| 3/8" | HT3DC |
| 1/2" | HT4DC |
| 5/8" | HT5DC |
| 3/4" | HT6DC |



## HT-Series Hydraulic Couplings

### ISO16028 Flushface Interchange Coupler Seal Kits

| Body Size | Coupler Style | Description | Nitrile Part # |
|---|---|---|---|
| 1/4" | all | Stem/adapter/gland O-ring, gland B.U. | 2HT-SKIT |
| 3/8" | all | Stem/adapter/gland O-ring, gland B.U. | 3HT-SKIT |
| 1/2" | all | Stem/adapter/gland O-ring, gland B.U. | 4HT-SKIT |
| 5/8" | all | Stem/adapter/gland O-ring, gland B.U. | 5HT-SKIT |
| 3/4" | all | Stem/adapter/gland O-ring, gland B.U. | 6HT-SKIT |
| 1" | all | Stem/adapter/gland O-ring, gland B.U. | 8HT-SKIT |

### ISO16028 Flushface Interchange Nipple Seal Kits

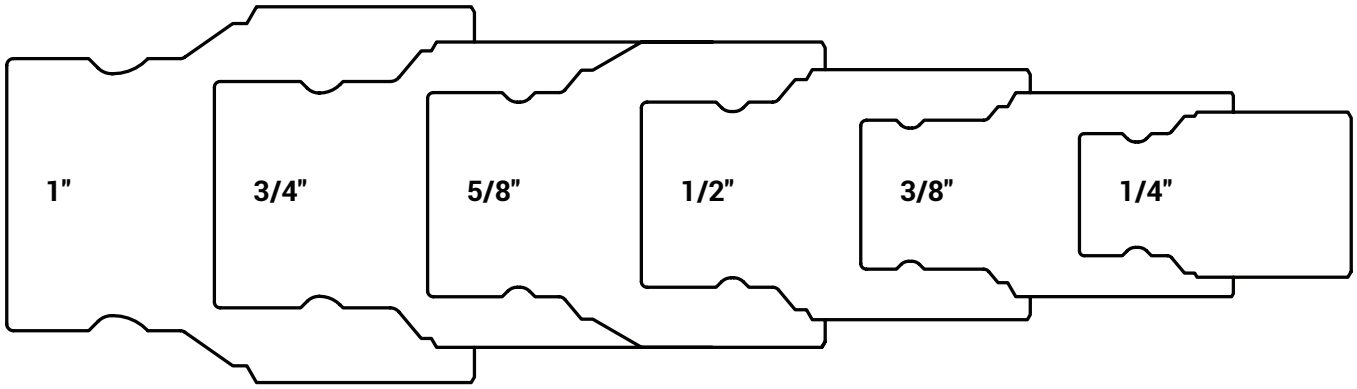
| Body Size | Nipple Style | Description | Nitrile Part # |
|---|---|---|---|
| 1/4" | all | Main valve seal and adapter O-ring | HT2-SKIT-V2 |
| 3/8" | all | Main valve seal and adapter O-ring | HT3-SKIT-V2 |
| 1/2" | all | Main valve seal and adapter O-ring | HT4-SKIT-V2 |
| 5/8" | all | Main valve seal and adapter O-ring | HT5-SKIT-V2 |
| 3/4" | all | Main valve seal and adapter O-ring | HT6-SKIT-V2 |
| 1" | all | Main valve seal and adapter O-ring | HT8-SKIT-V2 |



**Industry/Competitor Interchange**

Parker FEM-Series, Snap-Tite 74-Series, Hansen FF, Aeroquip/
Eaton FD89, Stucchi FIRG/Series 'A',
Faster FFN/FFI/2FFN/2FFI, Safeway FF49-Series

**Profiles**



# HTE-Series Correct Connect®

## Connect Under Pressure Flushface Female Threaded Plug

### Features

- Head pressure or valve bleed-by has minimal effect on connection force
- Less susceptible to system contamination
- Design is scalable performing similarly in all sizes
- Smooth connection action
- Connectable with trapped pressure on HTE half only
- For use with HTZ- or HT-Series couplers

### Specifications

- No maximum connection-pressure restrictions, up to **5,000 PSI**
- Pressure rating: **5,000 PSI** at **70°F (21°C)**

### Approval

- Conforms to ISO16028

| Body Size | Threads | Steel Part # |
|---|---|---|
| 3/8" | 3/8"-18 NPTF | HTE3F3 |
| | 1/2"-14 NPTF | HTE3F4 |
| | 1/2"-14 BSPP | HTE3BF4 |
| | 3/4"-16 ORB | HTE3OF4 |
| 1/2" | 1/2"-14 NPTF | HTE4F4 |
| | 1/2"-14 BSPP | HTE4BF4 |
| | 3/4"-16 ORB | HTE4OF4 |
| | 7/8"-14 ORB | HTE4OF5 |
| | 3/4"-14 NPTF | HTE4F6 |
| | 3/4"-14 BSPP | HTE4BF6 |
| | 1-1/16"-12 ORB | HTE4OF6 |
| 5/8" | 7/8"-14 ORB | HTE5OF5 |
| | 3/4"-14 NPTF | HTE5F6 |
| | 3/4"-14 BSPP | HTE5BF6 |
| | 1-1/16"-12 ORB | HTE5OF6 |
| 3/4" | 3/4"-14 NPTF | HTE6F6 |
| | 3/4"-14 BSPP | HTE6BF6 |
| | 1-1/16"-12 ORB | HTE6OF6 |
| | 1"-11-1/2 NPTF | HTE6F8 |
| | 1"-11 BSPP | HTE6BF8 |
| | 1-5/16"-12 ORB | HTE6OF8 |
| 1" | 1"-11-1/2 NPTF | HTE8F8 |
| | 1"-11 BSPP | HTE8BF8 |
| | 1-5/16"-12 ORB | HTE8OF8 |
| | 1-1/4"-11-1/2 NPTF | HTE8F10 |
| | 1-1/4"-11 BSPP | HTE8BF10 |
| | 1-5/8"-12 ORB | HTE8OF10 |



## HTZ-Series Correct Connect®

### Flushface Female Threaded Coupler



**Features**
- For use with HT- or HTE-Series plugs
- Connectable with trapped pressure on HTZ half only
- ISO16028 interchange

**Specifications**
- Connect under pressure up to **1,500 PSI** at **70°F (21°C)**
- Pressure rating **5,000 PSI** at **70°F (21°C)**

| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/2" | 1/2"-14 NPTF | 4HTZF4 |
| | 3/4"-14 NPTF | 4HTZF6 |
| | 3/4"-16 ORB | 4HTZOF4 |
| | 7/8"-14 ORB | 4HTZOF5 |
| | 1-1/16"-12 ORB | 4HTZOF6 |

## Flushface ISO16028 – AG ISO7241-A Adapter

K



4HTAG4



4AGHT4

**Features**
- Easily adapt machinery that uses AG style quick disconnects with flat face attachments or machinery that has flat face style quick disconnects with attachments that use the AG style
- Includes Correct Connect color banding system

**Specification**
- Maximum working pressure: **4,000 PSI** at **70°F (21°C)**

| Body Size | Description | Steel Part # |
|---|---|---|
| 1/2" | ISO16028 flushface coupler x AG ISO7241-A plug | 4HTAG4 |
| | AG ISO7241-A coupler x ISO16028 flushface plug | 4AGHT4 |

DIXON
The Right Connection®

## XK-Series Hydraulic Couplings

New

### Features
- Automatic locking mechanisim
- Machined components are manufactured using solid bar stock
- Stainless steel balls, retaining rings, and springs maximize corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant zinc nickel for corrosion resistance
- Steel plugs are hardened to provide resistance to brinelling
- PTFE or TPC-ET anti-extrusion ring protects main coupling valve seal from dynamic impulse pressure damage

### Specifications
- 10K Flushface
- Interchanges with Parker FH-Series
- Plugs have molded polyurethane valve seals, with a temperature range of **-65°F** to **212°F** (**-54°C** to **100°C**)
- Couplers have a polyurethane valve stem O-ring, with a temperature range **-65°F** to **212°F** (**-54°C** to **100°C**)
- Ancillary coupler and plug seals are nitrile rubber, with a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

NOTE: contact Dixon for 1/4" body size

### Rated Pressure Chart

| Body Size | XK-Series 10K Flushface | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Max. Working | | Connected Burst | | Disconnected Burst Coupler | | Disconnected Burst Plug | |
| | PSI | Bar | PSI | Bar | PSI | Bar | PSI | Bar |
| 3/8" | **10,000** | 690 | **30,000** | 2068 | **28,000** | 1930 | **27,000** | 1860 |

K

### Technical Specifications

| Body Size | Interchange Standards | | | | Functional Parameters | | | |
|---|---|---|---|---|---|---|---|---|
| | U.S. Military | U.S. Government | International Standards | ANSI/NFPA Standards | Air Inclusion | Fluid Loss | Vacuum inch HG | Flow ΔP = 15 PSI |
| 3/8" | --- | --- | --- | --- | n/a | 0.010cc | N/R | **9.2 GPM** |

### XK-Series 10K Flushface Coupler (Female Threads)

| Body Size | Part Detail | | | Length | | Maximum O.D. | | Hex Inch |
|---|---|---|---|---|---|---|---|---|
| | Part # | Threads | Material | inch | mm | inch | mm | |
| 3/8" | 3XKF3 | 3/8" - 18 NPTF | steel | 2.41 | 61.21 | 1.31 | 33.27 | 1" |



### XK-Series 10K Flushface Plug (Female Threads)

| Body Size | Part Detail | | | Length | | Maximum O.D. | | Hex Inch |
|---|---|---|---|---|---|---|---|---|
| | Part # | Threads | Material | inch | mm | inch | mm | |
| 3/8" | XK3F3 | 3/8" - 18 NPTF | steel | 2.50 | 63.5 | 1.07 | 27.18 | 1" |



## ST-Series Hydraulic Couplings

### Features

- Interchangeable with Parker/Snap-Tite 71-Series
- Contact Dixon® for additional seal material options
- Contact Dixon for pressure ratings and other technical information
- Steel coupler sleeves are hardened to resist deformation and maximize service life
- Steel nipples are hardened to provide heavy duty performance

### Specification

- Nitrile rubber seals standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)



steel



316 stainless

K

### Heavy Duty Flushface Female Threaded Couplers

| Body Size | Threads | Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" - 18 NPTF | 2STF2 | 2STF2-SS |
| | 1/4" - 19 BSPP | 2STBF2 | 2STBF2-SS |
| 3/8" | 1/4" - 18 NPTF | 3STF2 | --- |
| | 3/8" - 18 NPTF | 3STF3 | 3STF3-SS |
| | 3/8" - 19 BSPP | 3STBF3 | 3STBF3-SS |
| | 1/2" - 14 NPTF | 3STF4 | 3STF4-SS |
| | 1/2" - 14 BSPP | 3STBF4 | 3STBF4-SS |
| 1/2" | 1/2" - 14 NPTF | 4STF4 | 4STF4-SS |
| | 1/2" - 14 BSPP | 4STBF4 | 4STBF4-SS |
| | 3/4" - 16 ORB | 4STOF4 | --- |
| 3/4" | 3/4" - 14 NPTF | 6STF6 | 6STF6-SS |
| | 3/4" - 14 BSPP | 6STBF6 | 6STBF6-SS |
| | 1-1/16" - 12 ORB | 6STOF6 | --- |
| 1" | 1" - 11-1/2 NPTF | 8STF8 | 8STF8-SS |
| | 1" - 11 BSPP | 8STBF8 | 8STBF8-SS |
| | 1-5/16" - 12 ORB | 8STOF8 | --- |
| | 1-1/4" - 11–1/2 NPTF | 8STF10 | 8STF10-SS |
| | 1-1/4" - 11 BSPP | 8STBF10 | 8STBF10-SS |
| | 1-5/8" - 12 ORB | 8STOF10 | --- |



steel



316 stainless

### Heavy Duty Flushface Old Style Female Threaded Couplers

| Body Size | Threads | Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1" | 1" - 11-1/2 NPTF | 8STF8-V2 | --- |
| | 1" - 11 BSPP | 8STBF8-V2 | --- |
| | 1-1/4" - 11-1/2 NPTF | 8STF10-V2 | --- |
| 2" | 1-1/2" - 11-1/2 NPTF | 16STF12 | --- |
| | 1-1/2" - 11 BSPP | 16STBF12 | --- |
| | 1-7/8" - 12 ORB | 16STOF12 | --- |
| | 2" - 11-1/2 NPTF | 16STF16 | 16STF16-SS |
| | 2" - 11 BSPP | 16STBF16 | --- |
| | 2-1/2" - 12 ORB | 16STOF16 | --- |

## ST-Series Hydraulic Couplings

### Heavy Duty Flushface Female Threaded Plugs

| Body Size | Threads | Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1/4" | 1/4" - 18 NPTF | ST2F2 | ST2F2-SS |
| | 1/4" - 19 BSPP | ST2BF2 | ST2BF2-SS |
| 3/8" | 1/4" - 18 NPTF | ST3F2 | --- |
| | 3/8" - 18 NPTF | ST3F3 | ST3F3-SS |
| | 3/8" - 19 BSPP | ST3BF3 | ST3BF3-SS |
| | 1/2" - 14 NPTF | ST3F4 | ST3F4-SS |
| | 1/2" - 14 BSPP | ST3BF4 | ST3BF4-SS |
| 1/2" | 1/2" - 14 NPTF | ST4F4 | ST4F4-SS |
| | 1/2" - 14 BSPP | ST4BF4 | ST4BF4-SS |
| | 3/4" - 16 ORB | ST4OF4 | --- |
| 3/4" | 3/4" - 14 NPTF | ST6F6 | ST6F6-SS |
| | 3/4" - 14 BSPP | ST6BF6 | ST6BF6-SS |
| | 1-1/16" - 12 ORB | ST6OF6 | --- |
| 1" | 1" - 11-1/2 NPTF | ST8F8 | ST8F8-SS |
| | 1" - 11 BSPP | ST8BF8 | ST8BF8-SS |
| | 1-5/16" - 12 ORB | ST8OF8 | --- |
| | 1-1/4" - 11-1/2 NPTF | ST8F10 | ST8F10-SS |
| | 1-1/4" - 11 BSPP | ST8BF10 | ST8BF10-SS |
| | 1-5/8" - 12 ORB | ST8OF10 | --- |



steel



316 stainless

### Heavy Duty Flushface Old Style Female Threaded Plugs

| Body Size | Threads | Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1" | 1" - 11-1/2 NPTF | ST8F8-V2 | --- |
| | 1" - 11 BSPP | ST8BF8-V2 | --- |
| | 1-1/4" - 11-1/2 NPTF | ST8F10-V2 | --- |
| 2" | 1-1/2" - 11-1/2 NPTF | ST16F12 | --- |
| | 1-1/2" - 11 BSPP | ST16BF12 | --- |
| | 1-7/8" - 12 ORB | ST16OF12 | --- |
| | 2" - 11-1/2 NPTF | ST16F16 | ST16F16-SS |
| | 2" - 11 BSPP | ST16BF16 | --- |
| | 2-1/2" - 12 ORB | ST16OF16 | --- |



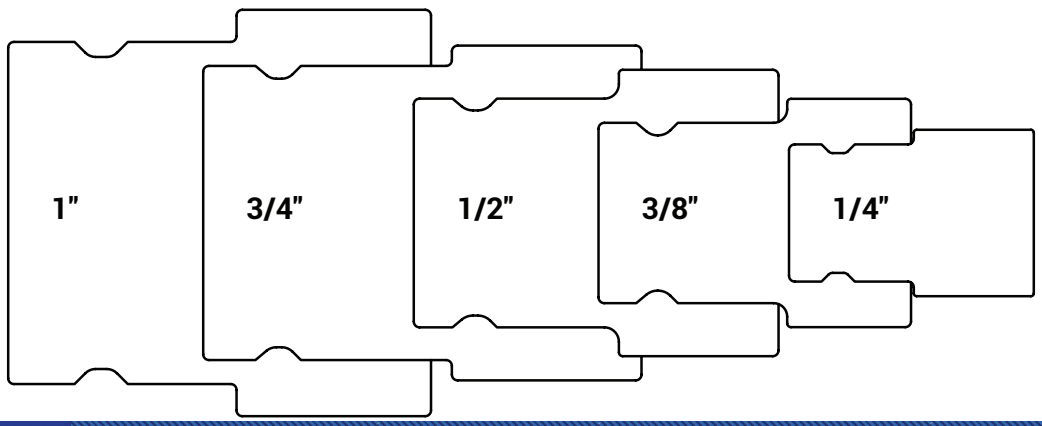
steel



316 stainless

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### Plug Profiles



## ST-Series Hydraulic Couplings

### Dust Plugs



| Body Size | Aluminum body with steel cable Part # |
|---|---|
| 1/4" | 2STDP-A |
| 3/8" | 3STDP-A |
| 1/2" | 4STDP-A |
| 3/4" | 6STDP-A |
| 1" | 8STDP-A |
| 1"-V2 | 8STDP-A-V2 |
| 2" | 16STDP-A |

### Dust Caps



| Body Size | Aluminum body with steel cable Part # |
|---|---|
| 1/4" | ST2DC-A |
| 3/8" | ST3DC-A |
| 1/2" | ST4DC-A |
| 3/4" | ST6DC-A |
| 1" | ST8DC-A |
| 1"-V2 | ST8DC-A-V2 |
| 2" | ST16DC-A |

### Heavy Duty Flushface Bulkhead Kits

K

| Body Size | Mounting Hole I.D. | Seal Kit Contents | Steel Part # |
|---|---|---|---|
| 1/4" | 1.250" | two 360° retaining rings | 2ST-BMK |
| 3/8" | 1.625" | two 360° retaining rings | 3ST-BMK |
| 1/2" | 2.000" | two 360° retaining rings | 4ST-BMK |
| 3/4" | 2.375" | two 360° retaining rings | 6ST-BMK |

### Heavy Duty Flushface Coupler Seal Kits

| Body Size | Coupler Style | Seal Kit Contents | Nitrile Part # |
|---|---|---|---|
| 1/4" | all | two seals and anti-extrusion rings | 2ST-SKIT |
| 3/8" | all | two seals and anti-extrusion rings | 3ST-SKIT |
| 1/2" | all | two seals and anti-extrusion rings | 4ST-SKIT |
| 3/4" | all | two seals and anti-extrusion rings | 6ST-SKIT |
| 1" | all | two seals and anti-extrusion rings | 8ST-SKIT |
| 1" | all | three seals and two anti-extrusion rings | 8ST-SKIT-V2 |
| 2" | all | three seals and two anti-extrusion rings | 16ST-SKIT |

### Heavy Duty Flushface Plug Seal Kits

| Body Size | Coupler Style | Seal Kit Contents | Nitrile Part # |
|---|---|---|---|
| 1/4" | all | valve O-ring / back-up and adapter O-ring | ST2-SKIT |
| 3/8" | all | valve O-ring / back-up and adapter O-ring | ST3-SKIT |
| 1/2" | all | valve O-ring / back-up and adapter O-ring | ST4-SKIT |
| 3/4" | all | valve O-ring / back-up and adapter O-ring | ST6-SKIT |
| 1" | all | valve O-ring / back-up and adapter O-ring | ST8-SKIT |
| 2" | all | main valve seal | ST16-SKIT |

# PD-Series Diagnostic Interchange Couplings

### Features
- Interchangeable with ISO15171-1, Parker PD-Series, Aeroquip FD90, Tomco Series DK
- PTFE anti-extrusion ring protects main coupler O-ring from dynamic impulse pressure damage

### Specifications
- Nitrile rubber seal standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)
- Pressure rating **6000 PSI** at **70°F (21°C)**

### Approval
- Steel componentry is plated using RoHS-compliant trivalent chrome

## Female NPT Couplers

| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/8" | 1/8" - 27 NPT | 1PDF1 |
| | 1/4" - 18 NPT | 1PDF2 |



## Male NPT Couplers

| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/8" | 1/4" - 18 NPT | 1PDM2 |



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## Female NPT Plugs

| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/8" | 1/8" - 27 NPT | PD1F1 |
| | 1/4" - 18 NPT | PD1F2 |



## Male Threaded Plugs

| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/8" | 1/8" - 27 NPT | PD1M1 |
| | 1/4" - 18 NPT | PD1M2 |
| | 7/16" - 20 ORB | PD1OM2 |
| | 9/16" - 18 ORB | PD1OM3 |



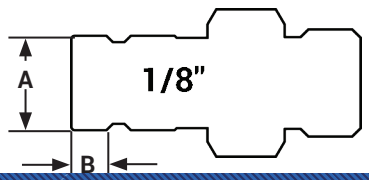
## Dust Caps

| Body Size | Nitrile Part # |
|---|---|
| 1/8" | H1DC |



## Plug Profile

| Body Size | A | B |
|---|---|---|
| 1/8" | 0.49 | 0.19 |



## VEP-Series Hydraulic Couplings

**Features**

- No-spill, flush face valve minimizes air inclusion during connection and spillage during disconnection
- Thread-to-connect design and dual valve system in the plug allow for connecting under pressure
- Design eliminates premature wear or brinelling commonly found with locking ball designs when subjected to high impulse pressures
- Zinc nickel plating provides superior corrosion resistance
- Interchangeable with Parker FET, Stucchi VEP, DNP PST 4/FSI, Holmbury HFT
- Contact Dixon® for pressure ratings and other technical information





### Female Threaded Couplers

| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPTF | 2VEPF2 |
| | 1/4"- 19 BSPP | 2VEPBF2 |
| | 9/16" - 18 ORB | 2VEPOF3 |
| 3/8" | 3/8" - 18 NPTF | 3VEPF3 |
| | 3/8" - 19 BSPP | 3VEPBF3 |
| | 3/4" - 16 ORB | 3VEPOF4 |
| | 1/2" - 14 NPTF | 3VEPF4 |
| | 1/2" - 14 BSPP | 3VEPBF4 |
| 1/2" | 1/2" - 14 NPTF | 4VEPF4 |
| | 1/2" - 14 BSPP | 4VEPBF4 |
| | 3/4" - 16 ORB | 4VEPOF4 |
| | 7/8" - 14 ORB | 4VEPOF5 |
| | 3/4" - 14 NPTF | 4VEPF6 |
| | 3/4" - 14 BSPP | 4VEPBF6 |
| | 1-1/16" - 12 ORB | 4VEPOF6 |
| 3/4" | 3/4" - 14 NPTF | 6VEPF6 |
| | 3/4" - 14 BSPP | 6VEPBF6 |
| | 1-1/16" - 12 ORB | 6VEPOF6 |
| 1" | 1" - 11-1/2 NPTF | 8VEPF8 |
| | 1" - 11 BSPP | 8VEPBF8 |
| | 1-5/16" - 12 ORB | 8VEPOF8 |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | 10VEPF10 |
| | 1-1/4" - 11 BSPP | 10VEPBF10 |
| | 1--5/8" - 12 ORB | 10VEPOF10 |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | 12VEPF12 |
| | 1-1/2" - 11 BSPP | 12VEPBF12 |
| | 1-7/8" - 12 ORB | 12VEPOF12 |
| 2" | 2" - 11-1/2 NPTF | 16VEPF16 |
| | 2" - 11 BSPP | 16VEPBF16 |
| | 2-1/2" - 12 ORB | 16VEPOF16 |

### 316 Stainless Steel VEP-Series

| Body Size | Threads | Style | 316 Stainless Steel Part # |
|---|---|---|---|
| 1" | 1" - 11-1/2 NPTF | coupler | 8VEPF8-SS |
| | | plug | VEP8F8-SS |

## VEP-Series Hydraulic Couplings

### Female Threaded Plugs

| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPTF | VEP2F2 |
| | 1/4"- 19 BSPP | VEP2BF2 |
| | 9/16" - 18 ORB | VEP2OF3 |
| 3/8" | 3/8" - 18 NPTF | VEP3F3 |
| | 3/8" - 19 BSPP | VEP3BF3 |
| | 3/4" - 16 ORB | VEP3OF4 |
| | 1/2" - 14 NPTF | VEP3F4 |
| | 1/2" - 14 BSPP | VEP3BF4 |
| 1/2" | 1/2" - 14 NPTF | VEP4F4 |
| | 1/2" - 14 BSPP | VEP4BF4 |
| | 3/4" - 16 ORB | VEP4OF4 |
| | 7/8" - 14 ORB | VEP4OF5 |
| | 3/4" - 14 NPTF | VEP4F6 |
| | 3/4" - 14 BSPP | VEP4BF6 |
| | 1-1/16" - 12 ORB | VEP4OF6 |
| 3/4" | 3/4" - 14 NPTF | VEP6F6 |
| | 3/4" - 14 BSPP | VEP6BF6 |
| | 1-1/16" - 12 ORB | VEP6OF6 |
| 1" | 1" - 11-1/2 NPTF | VEP8F8 |
| | 1" - 11 BSPP | VEP8BF8 |
| | 1-5/16" - 12 ORB | VEP8OF8 |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | VEP10F10 |
| | 1-1/4" - 11 BSPP | VEP10BF10 |
| | 1-5/8" - 12 ORB | VEP10OF10 |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | VEP12F12 |
| | 1-1/2" - 11 BSPP | VEP12BF12 |
| | 1-7/8" - 12 ORB | VEP12OF12 |
| 2" | 2" - 11-1/2 NPTF | VEP16F16 |
| | 2" - 11 BSPP | VEP16BF16 |
| | 2-1/2" - 12 ORB | VEP16OF16 |



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### Dust Plugs

| Body Size | Aluminum body with steel cable Part # |
|---|---|
| 1/4" | 2VEPDP-A |
| 3/8" | 3VEPDP-A |
| 1/2" | 4VEPDP-A |
| 3/4" | 6VEPDP-A |
| 1" | 8VEPDP-A |
| 1-1/4" | 10VEPDP-A |
| 1-1/2" | 12VEPDP-A |
| 2" | 16VEPDP-A |



### Dust Caps

| Body Size | Aluminum body with steel cable Part # |
|---|---|
| 1/4" | VEP2DC-A |
| 3/8" | VEP3DC-A |
| 1/2" | VEP4DC-A |
| 3/4" | VEP6DC-A |
| 1" | VEP8DC-A |
| 1-1/4" | VEP10DC-A |
| 1-1/2" | VEP12DC-A |
| 2" | VEP16DC-A |



# VEP-Series Hydraulic Couplings

## Code 62 Flange Head Couplers



flange head coupler

| Body Size | Port Size | Steel Part # |
|---|---|---|
| 3/4" | 3/4" | 6VEPFH6 |
| 1" | 1" | 8VEPFH8 |
| 1-1/4" | 1-1/4" | 10VEPFH10 |
| 1-1/2" | 1-1/2" | 12VEPFH12 |

## Code 62 Flange Head Plugs



flange head plug

| Body Size | Port Size | Steel Part # |
|---|---|---|
| 3/4" | 3/4" | VEP6FH6 |
| 1" | 1" | VEP8FH8 |
| 1-1/4" | 1-1/4" | VEP10FH10 |
| 1-1/2" | 1-1/2" | VEP12FH12 |

## Code 62 Flange Pad Couplers



flange pad coupler

| Body Size | Port Size | Steel Part # |
|---|---|---|
| 3/4" | 3/4" | 6VEPFP6 |
| 1" | 1" | 8VEPFP8 |
| 1-1/4" | 1-1/4" | 10VEPFP10 |
| 1-1/2" | 1-1/2" | 12VEPFP12 |

## Code 62 Flange Pad Plugs



flange pad plug

| Body Size | Port Size | Steel Part # |
|---|---|---|
| 3/4" | 3/4" | VEP6FP6 |
| 1" | 1" | VEP8FP8 |
| 1-1/4" | 1-1/4" | VEP10FP10 |
| 1-1/2" | 1-1/2" | VEP12FP12 |

# VEP-BOP Series Hydraulic Couplings

### Features
- Red powder coated components and external O-rings for easy BOP service identification
- Blowout preventer (BOP) coupling contain FKM seals
- Interchangeable with VEP/VEP-HD Series, DNP FSI-BOP Series

### Material
- Steel components are plated using ROHS compliant zinc nickel

### Specification
- Pressure rating **5000 PSI** at **70°F (21°C)**

### Approval
- BOP couplings have been fire tested and Lloyd's certified to **1300°F (700°C)** in accordance with API 16D. Certificate available upon request.

## Female Threaded Couplers

| Body Size | Threads | Steel Part # |
|---|---|---|
| 3/8" | 3/8" - 18 NPTF | 3VEPF3-BOP |
| 1/2" | 1/2" - 14 NPTF | 4VEPF4-BOP |
| 3/4" | 3/4" - 14 NPTF | 6VEPF6-BOP |
| 1" | 1" - 11-1/2 NPTF | 8VEPF8-BOP |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | 10VEPF10-BOP |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | 12VEPF12-BOP |



## Female Threaded Plugs

| Body Size | Threads | Steel Part # |
|---|---|---|
| 3/8" | 3/8" - 18 NPTF | VEP3F3-BOP |
| 1/2" | 1/2" - 14 NPTF | VEP4F4-BOP |
| 3/4" | 3/4" - 14 NPTF | VEP6F6-BOP |
| 1" | 1" - 11-1/2 NPTF | VEP8F8-BOP |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | VEP10F10-BOP |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | VEP12F12-BOP |



## W-Series Hydraulic Couplings

### Application

- Designed for applications requiring a coupling that can be connected under residual pressure with minimum spillage and air inclusion
- Widely used on dump trailer wet-line hydraulic systems and oil field equipment
- Not recommended for continuous hydraulic impulse applications

### Features

- Interchangeable with Aeroquip 5100 series, Parker 6100 series and Snap-Tite 78 series
- Contact Dixon® for pressure ratings and other technical information

### Specification

- Nitrile rubber seals are standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)



brass

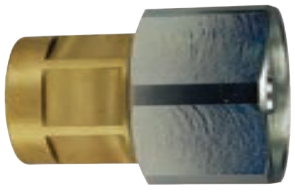


steel



### Female Threaded Couplers

| Body Size | Threads | Brass Part # | Steel Part # |
|---|---|---|---|
| 1/4" | 1/8" - 27 NPTF | 2WF1-B | --- |
| 3/8" | 1/4" - 18 NPTF | 3WF2-B | --- |
| | 3/8" - 18 NPTF | 3WF3-B | --- |
| 3/4" | 1/2" - 14 NPTF | 6WF4-B | --- |
| | 1/2" - 14 BSPP | 6WBF4-B | --- |
| | 3/4" - 14 NPTF | 6WF6-B | --- |
| | 3/4" - 14 BSPP | 6WBF6-B | --- |
| 1" | 1" - 11-1/2 NPTF | 8WF8-B | 8WF8 |
| | 1" - 11 BSPP | 8WBF8-B | --- |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | 10WF10-B | --- |
| | 1-1/4" - 11 BSPP | 10WBF10-B | --- |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | 12WF12-B | --- |
| | 1-1/2" - 11 BSPP | 12WBF12-B | --- |



brass



steel

### Hex-Nut Female Threaded Couplers

| Body Size | Threads | Brass Part # | Steel Part # |
|---|---|---|---|
| 1/4" | 1/8" - 27 NPTF | 2WF1-B-HN | --- |
| 3/8" | 1/4" - 18 NPTF | 3WF2-B-HN | --- |
| | 3/8" - 18 NPTF | 3WF3-B-HN | --- |
| 3/4" | 1/2" - 14 NPTF | 6WF4-B-HN | --- |
| | 1/2" - 14 BSPP | 6WBF4-B-HN | --- |
| | 3/4" - 14 NPTF | 6WF6-B-HN | --- |
| | 3/4" - 14 BSPP | 6WBF6-B-HN | --- |
| 1" | 1" - 11-1/2 NPTF | 8WF8-B-HN | 8WF8-HN |
| | 1" - 11 BSPP | 8WBF8-B-HN | --- |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | 10WF10-B-HN | --- |
| | 1-1/4" - 11 BSPP | 10WBF10-B-HN | --- |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | 12WF12-B-HN | --- |
| | 1-1/2" - 11 BSPP | 12WBF12-B-HN | --- |

# W-Series Hydraulic Couplings

## Female Threaded Plugs

| Body Size | Threads | Brass Part # | Steel Part # |
|---|---|---|---|
| 1/4" | 1/8" - 27 NPTF | W2F1-B | --- |
| 3/8" | 1/4" - 18 NPTF | W3F2-B | --- |
| | 3/8" - 18 NPTF | W3F3-B | --- |
| 3/4" | 1/2" - 14 NPTF | W6F4-B | --- |
| | 1/2" - 14 BSPP | W6BF4-B | --- |
| | 3/4" - 14 NPTF | W6F6-B | --- |
| | 3/4" - 14 BSPP | W6BF6-B | --- |
| 1" | 1" - 11-1/2 NPTF | W8F8-B | W8F8 |
| | 1" - 11 BSPP | W8BF8-B | --- |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | W10F10-B | --- |
| | 1-1/4" - 11 BSPP | W10BF10-B | --- |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | W12F12-B | --- |
| | 1-1/2" - 11 BSPP | W12BF12-B | --- |



brass



steel

## Flanges

| Body Size | Bolt Hole Size | Steel Part # |
|---|---|---|
| 3/4" | 0.201" | W6-BMF |
| 1" | 0.201" | W8-BMF |
| 1-1/4" | 0.201" | W10-BMF |
| 1-1/2" | 0.201" | W12-BMF |



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## Dust Plugs

| Body Size | Steel body with steel cable Part # |
|---|---|
| 1/4" | 2WDP |
| 3/8" | 3WDP |
| 3/4" | 6WDP |
| 1" | 8WDP |
| 1-1/4" | 10WDP |
| 1-1/2" | 12WDP |



## Dust Caps

| Body Size | Steel body with steel cable Part # |
|---|---|
| 1/4" | W2DC |
| 3/8" | W3DC |
| 3/4" | W6DC |
| 1" | W8DC |
| 1-1/4" | W10DC |
| 1-1/2" | W12DC |



## W-Series Hydraulic Couplings



### Coupler Repair Kits

| Body Size | Coupler Style | Seal Kit Contents | Nitrile Part # |
|---|---|---|---|
| 3/4" | all | bonded valve, O-rings, and PTFE backup | 6W-RKIT-V2 |
| 1" | all | bonded valve, O-rings, and PTFE backup | 8W-RKIT-V2 |
| 1-1/4" | all | bonded valve, O-rings, and PTFE backup | 10W-RKIT-V2 |
| 1-1/2" | all | bonded valve, O-rings, and PTFE backup | 12W-RKIT-V2 |



### Plug Repair Kits

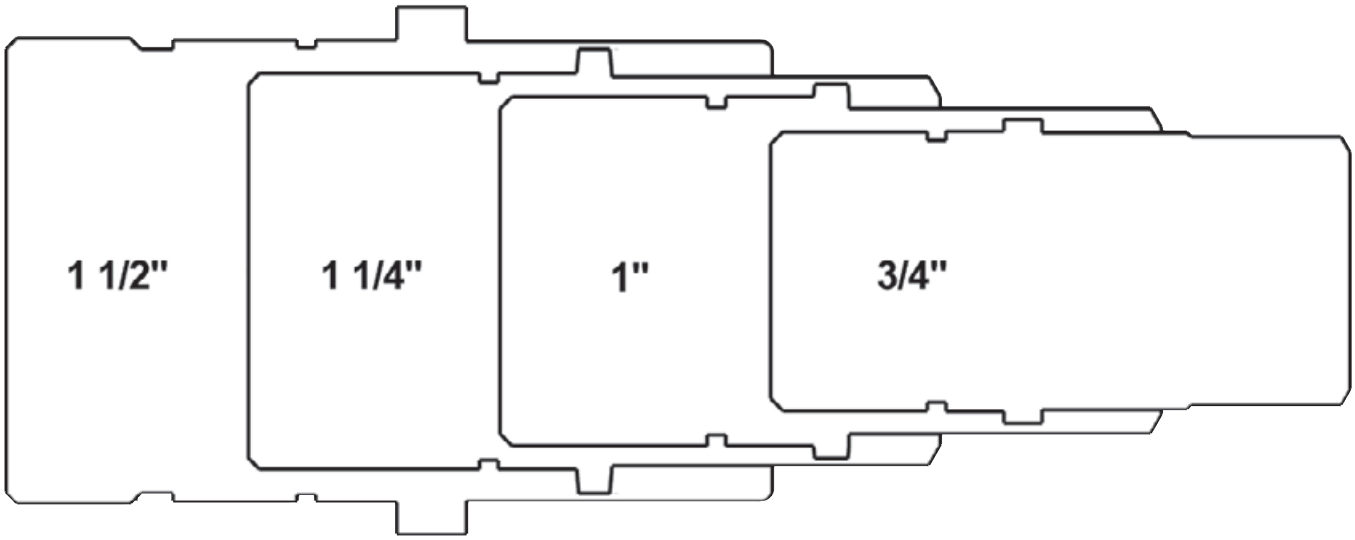
| Body Size | Coupler Style | Seal Kit Contents | Nitrile Part # |
|---|---|---|---|
| 3/4" | all | valve assembly and O-ring | W6-RKIT-V2 |
| 1" | all | valve assembly and O-ring | W8-RKIT-V2 |
| 1-1/4" | all | valve assembly and O-ring | W10-RKIT-V2 |
| 1-1/2" | all | valve assembly and O-ring | W12-RKIT-V2 |

### Plug Profiles

K

**Industry/Competitor Interchange**

Aeroquip 5100
Parker 6100



# WS-Series Hydraulic Couplings

### Application
- Used extensively in oil field and offshore oil rig applications

### Features
- Interchanges with Parker/Snap-Tite 75 series, Stucchi VOF, Faster OGV, Eaton FD85 and Holmbury LC
- Contact Dixon® for pressure ratings and other technical information

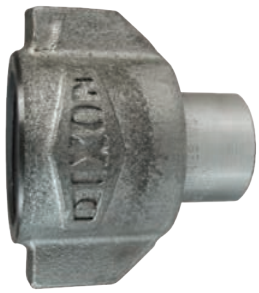
### Specification
- Nitrile rubber seals standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

## Heavy-Duty Wingstyle Female Threaded Couplers

| Body Size | Threads | Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 3/4" | 1/2" - 14 NPTF | 6WSF4 | --- |
| | 3/4" - 14 NPTF | 6WSF6 | 6WSF6-SS |
| | 3/4" - 14 BSPP | 6WSBF6 | 6WSBF6-SS |
| | 1-1/16" - 12 ORB | 6WSOF6 | --- |
| 1" | 1" - 11-1/2 NPTF | 8WSF8 | 8WSF8-SS |
| | 1" - 11 BSPP | 8WSBF8 | 8WSBF8-SS |
| | 1-5/16" - 12 ORB | 8WSOF8 | --- |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | 10WSF10 | 10WSF10-SS |
| | 1-1/4" - 11 BSPP | 10WSBF10 | 10WSBF10-SS |
| | 1-5/8" - 12 ORB | 10WSOF10 | --- |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | 12WSF12 | 12WSF12-SS |
| | 1-1/2" - 11 BSPP | 12WSBF12 | 12WSBF12-SS |
| | 1-7/8" - 12 ORB | 12WSOF12 | --- |
| 2" | 2" - 11-1/2 NPTF | 16WSF16 | 16WSF16-SS |
| | 2" - 11 BSPP | 16WSBF16 | 16WSBF16-SS |
| | 2-1/2" - 12 ORB | 16WSOF16 | --- |



steel

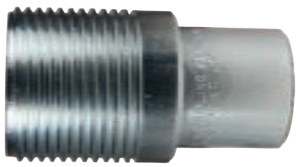


316 stainless

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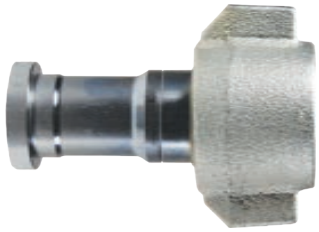
## Heavy-Duty Wingstyle Female Threaded Plugs

| Body Size | Threads | Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 3/4" | 1/2" - 14 NPTF | WS6F4 | --- |
| | 3/4" - 14 NPTF | WS6F6 | WS6F6-SS |
| | 3/4" - 14 BSPP | WS6BF6 | WS6BF6-SS |
| | 1-1/16" - 12 ORB | WS6OF6 | --- |
| 1" | 1" - 11-1/2 NPTF | WS8F8 | WS8F8-SS |
| | 1" - 11 BSPP | WS8BF8 | WS8BF8-SS |
| | 1-5/16" - 12 ORB | WS8OF8 | --- |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | WS10F10 | WS10F10-SS |
| | 1-1/4" - 11 BSPP | WS10BF10 | WS10BF10-SS |
| | 1-5/8" - 12 ORB | WS10OF10 | --- |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | WS12F12 | WS12F12-SS |
| | 1-1/2" - 11 BSPP | WS12BF12 | WS12BF12-SS |
| | 1-7/8" - 12 ORB | WS12OF12 | --- |
| 2" | 2" - 11-1/2 NPTF | WS16F16 | WS16F16-SS |
| | 2" - 11 BSPP | WS16BF16 | WS16BF16-SS |
| | 2-1/2" - 12 ORB | WS16OF16 | --- |


steel


316 stainless

## WS-Series Hydraulic Couplings



### Heavy-Duty Wingstyle Code 62 Flange Head Couplers

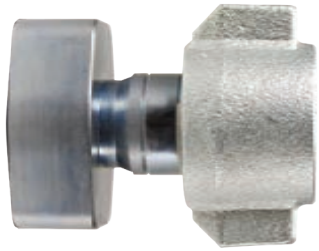
| Body Size | Port Size | Steel Part # |
|---|---|---|
| 3/4" | 3/4" | 6WSFH6 |
| 1" | 1" | 8WSFH8 |
| 1-1/4" | 1-1/4" | 10WSFH10 |
| 1-1/2" | 1-1/2" | 12WSFH12 |
| 2" | 2" | 16WSFH16 |



### Heavy-Duty Wingstyle Code 62 Flange Head Plugs

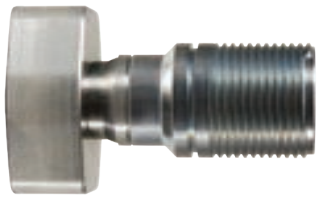
| Body Size | Port Size | Steel Part # |
|---|---|---|
| 3/4" | 3/4" | WS6FH6 |
| 1" | 1" | WS8FH8 |
| 1-1/4" | 1-1/4" | WS10FH10 |
| 1-1/2" | 1-1/2" | WS12FH12 |
| 2" | 2" | WS16FH16 |





### Heavy-Duty Wingstyle Code 62 Flange Pad Couplers

| Body Size | Port Size | Steel Part # |
|---|---|---|
| 3/4" | 3/4" | 6WSFP6 |
| 1" | 1" | 8WSFP8 |
| 1-1/4" | 1-1/4" | 10WSFP10 |
| 1-1/2" | 1-1/2" | 12WSFP12 |
| 2" | 2" | 16WSFP16 |



### Heavy-Duty Wingstyle Code 62 Flange Pad Plugs

| Body Size | Port Size | Steel Part # |
|---|---|---|
| 3/4" | 3/4" | WS6FP6 |
| 1" | 1" | WS8FP8 |
| 1-1/4" | 1-1/4" | WS10FP10 |
| 1-1/2" | 1-1/2" | WS12FP12 |
| 2" | 2" | WS16FP16 |

# WS-Series Hydraulic Couplings

## Heavy-Duty Wingstyle Rigid Dust Plugs

| Body Size | Aluminum body with steel cable Part # |
|---|---|
| 3/4" | 6WSDP-A |
| 1" | 8WSDP-A |
| 1-1/4" | 10WSDP-A |
| 1-1/2" | 12WSDP-A |
| 2" | 16WSDP-A |



## Heavy-Duty Wingstyle Rigid Dust Caps

| Body Size | Aluminum body with steel cable Part # |
|---|---|
| 3/4" | WS6DC-A |
| 1" | WS8DC-A |
| 1-1/4" | WS10DC-A |
| 1-1/2" | WS12DC-A |
| 2" | WS16DC-A |



## Heavy-Duty Wingstyle Coupler Seal Kits

| Body Size | Coupler Style | Seal Kit Contents | Nitrile Part # |
|---|---|---|---|
| 3/4" | all | body / valve seals and retaining rings | 6WS-SKIT |
| 1" | all | body / valve seals and retaining rings | 8WS-SKIT |
| 1-1/4" | all | body / valve seals and retaining rings | 10WS-SKIT |
| 1-1/2" | all | body / valve seals and retaining rings | 12WS-SKIT |
| 2" | all | body / valve seals and retaining rings | 16WS-SKIT |



## Heavy-Duty Wingstyle Coupler Repair Kits

| Body Size | Coupler Style | Repair Kit Contents | Nitrile Part # |
|---|---|---|---|
| 3/4" | all | valve assembly, O-ring, and PTFE B.U. | 6WS-RKIT |
| 1" | all | valve assembly, O-ring, and PTFE B.U. | 8WS-RKIT |
| 1-1/4" | all | valve assembly, O-ring, and PTFE B.U. | 10WS-RKIT |
| 1-1/2" | all | valve assembly, O-ring, and PTFE B.U. | 12WS-RKIT |
| 2" | all | valve assembly, O-ring, and PTFE B.U. | 16WS-RKIT |



## WS-BOP Series Hydraulic Couplings

### Application
- Designed for use in oil rig BOP systems where couplings are required to operate under fire conditions in an emergency

### Features
- Contact Dixon® for pressure ratings and other technical information
- Sleeve is cast using a process that provides better surface finishes, tighter tolerance control, and excellent repeatibility
- Blowout preventer couplings are individually marked with the BOP series designation

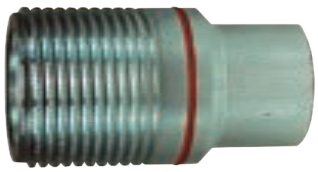
### Approval
- Fire tested and Lloyd's certified to **1300°F** (**700°C**) in accordance with API 16D (Certificate #NAO 0601041/1)



### Heavy-Duty Wingstyle Female Threaded Couplers

| Body Size | Threads | Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 3/4" | 1/2" - 14 NPTF | 6WSF4-BOP | --- |
| | 3/4" - 14 NPTF | 6WSF6-BOP | 6WSF6-SS-BOP |
| 1" | 1" - 11-1/2 NPTF | 8WSF8-BOP | 8WSF8-SS-BOP |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | 10WSF10-BOP | 10WSF10-SS-BOP |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | 12WSF12-BOP | 12WSF12-SS-BOP |
| 2" | 2" - 11-1/2 NPTF | 16WSF16-BOP | 16WSF16-SS-BOP |

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### Heavy-Duty Wingstyle Female Threaded Plugs

| Body Size | Threads | Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 3/4" | 1/2" - 14 NPTF | WS6F4-BOP | --- |
| | 3/4" - 14 NPTF | WS6F6-BOP | WS6F6-SS-BOP |
| 1" | 1" - 11-1/2 NPTF | WS8F8-BOP | WS8F8-SS-BOP |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | WS10F10-BOP | WS10F10-SS-BOP |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | WS12F12-BOP | WS12F12-SS-BOP |
| 2" | 2" - 11-1/2 NPTF | WS16F16-BOP | WS16F16-SS-BOP |



### Heavy-Duty Wingstyle Seal Kits

| Body Size | Coupler Style | Repair Kit Contents | FR FKM Part # |
|---|---|---|---|
| 3/4" | all | body / valve seals and retaining rings | 6BOP-SKIT |
| 1" | all | body / valve seals and retaining rings | 8BOP-SKIT |
| 1-1/4" | all | body / valve seals and retaining rings | 10BOP-SKIT |
| 1-1/2" | all | body / valve seals and retaining rings | 12BOP-SKIT |
| 2" | all | body / valve seals and retaining rings | 16BOP-SKIT |

# T-Series Hydraulic Couplings

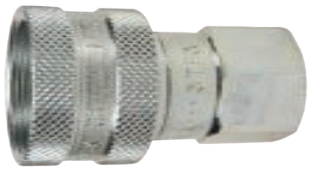
### Application
- Designed for high pressure applications including hydraulic rams and pumps where low flow and pressures up to **10,000 PSI** are encountered

### Features
- Interchangeable with Parker 3000 and Enerpac C 604
- Both poppet valve and ball valve styles available

### Specification
- Nitrile O-ring with TPC-ET back up ring standard providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

## Female NPTF Ball Coupler

| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPTF | 2TF2 |
| 3/8" | 3/8" - 18 NPTF | 3TF3 |



## Male NPTF Ball Couplers

| Body Size | Threads | Steel Part # | Threads | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/4" - 18 NPTF | 2TM2 | --- | --- |
| 3/8" | 3/8" - 18 NPTF | 3TM3 | 3/8" - 18 NPT | 3TM3-SS |



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## Male NPTF Poppet Couplers

| Body Size | Threads | Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 3/8" | 3/8" - 18 NPT | 3TM3-PV | 3TM3-SS-PV |



## Female NPTF Ball Plugs

| Body Size | Threads | Steel Part # | Threads | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/4" - 18 NPTF | T2F2 | --- | --- |
| 3/8" | 3/8" - 18 NPTF | T3F3 | 3/8" - 18 NPT | T3F3-SS |



## Female NPTF Poppet Plugs

| Body Size | Threads | Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 3/8" | 3/8" - 18 NPT | T3F3-PV | T3F3-SS-PV |



## T-Series Hydraulic Couplings



### Dust Plugs

| Body Size | Steel body with rubber lanyard Part # |
|---|---|
| 1/4" | 2TDP |
| 3/8" | 3TDP |



### Dust Caps

| Body Size | Steel body with steel cable Part # |
|---|---|
| 1/4" | T2DC |
| 3/8" | T3DC |



### Ball Coupler Seal Kits

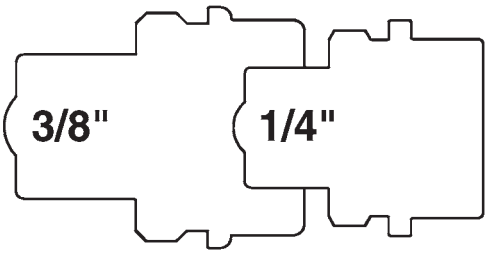
| Body Size | Coupler Style | Seal Kit Contents | Urethane Part # |
|---|---|---|---|
| 1/4" | ball valve | body seal | 2T-SKIT |
| 3/8" | ball valve | body seal | 3T-SKIT |

K

### Industry/Competitor Interchange

Parker 3000
Enerpac C604

### Plug Profiles



# CVV-Series Hydraulic Couplings

### Features
- Contact Dixon® for pressure ratings and other technical information.
- Interchangeable with European Screw-Together, Inteva STG-Series, Faster CVV-Series, DNP PVV3, Voswinkel Type-HS

### Specification
- Nitrile rubber seal standard, providing a temperature range of **-13°F** to **257°F** (**-25°C** to **125°C**)

## European Female Threaded Couplers

| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPTF | 2CVVF2 |
| | 1/4" - 19 BSPP | 2CVVBF2 |
| | M14X1.5 | 2CVVFM1415 |
| 3/8" | 3/8" - 18 NPTF | 3CVVF3 |
| | 3/8" - 19 BSPP | 3CVVBF3 |
| | M16X1.5 | 3CVVFM1615 |
| 1/2" | 1/2" - 14 NPTF | 4CVVF4 |
| | 3/4" - 16 ORB | 4CVVOF4 |
| | 1/2" - 14 BSPP | 4CVVBF4 |
| | M18X1.5 | 4CVVFM1815 |
| | 7/8" - 14 ORB | 4CVVOF5 |
| | M22X1.5 | 4CVVFM2215 |
| 3/4" | 3/4" - 14 NPTF | 6CVVF6 |
| | 3/4" - 14 BSPP | 6CVVBF6 |
| | M22X1.5 | 6CVVFM2215 |
| 1" | 1" - 11-1/2 NPTF | 8CVVF8 |
| | 1" - 11 BSPP | 8CVVBF8 |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | 10CVVF10 |
| | 1-1/4" - 11 BSPP | 10CVVBF10 |



## European Female Threaded Plugs

| Body Size | Threads | Steel Part # |
|---|---|---|
| 1/4" | 1/4" - 18 NPTF | CVV2F2 |
| | 1/4" - 19 BSPP | CVV2BF2 |
| | M14X1.5 | CVV2FM1415 |
| 3/8" | 3/8" - 18 NPTF | CVV3F3 |
| | 3/8" - 19 BSPP | CVV3BF3 |
| | M16X1.5 | CVV3FM1615 |
| 1/2" | 1/2" - 14 NPTF | CVV4F4 |
| | 3/4" - 16 ORB | CVV4OF4 |
| | 1/2" - 14 BSPP | CVV4BF4 |
| | M18X1.5 | CVV4FM1815 |
| | 7/8" - 14 ORB | CVV4OF5 |
| | M22X1.5 | CVV4FM2215 |
| 3/4" | 3/4" - 14 NPTF | CVV6F6 |
| | 3/4" - 14 BSPP | CVV6BF6 |
| | M22X1.5 | CVV6FM2215 |
| 1" | 1" - 11-1/2 NPTF | CVV8F8 |
| | 1" - 11 BSPP | CVV8BF8 |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | CVV10F10 |
| | 1-1/4" - 11 BSPP | CVV10BF10 |



## CVV-Series Hydraulic Couplings

### European Dust Plugs



| Body Size | Plastic Part # |
|---|---|
| 1/4" | 2CVVDP |
| 3/8" | 3CVVDP |
| 1/2" | 4CVVDP |
| 3/4" | 6CVVDP |
| 1" | 8CVVDP |
| 1-1/4" | 10CVVDP |

### European Dust Caps



| Body Size | Plastic Part # |
|---|---|
| 1/4" | CVV2DC |
| 3/8" | CVV3DC |
| 1/2" | CVV4DC |
| 3/4" | CVV6DC |
| 1" | CVV8DC |
| 1-1/4" | CVV10DC |

## TD-Series: 15K and 20K Pressure Couplings



4TDF4-SS



TD4F4-SS



4TDPF4.5-SS



TD4PF4.5-SS

**Application**
- Commonly used on water-blast or wireline equipment and pump systems

**Sizes**
- 1/2" body
- 1/2" FNPT or 9/16" MP threads

**Features**
- Unvalved, high flow
- Thread to connect
- Dust caps and plugs available

**Materials**
- Machined components are manufactured using 316 stainless steel bar stock
- Stainless steel retaining ring maximizes corrosion resistance and extends service life
- Couplers have a nitrile anti-extrusion ring, providing resistance to O-ring dynamic impulse pressure damage
- Nitrile rubber seals are standard

**Specifications**
- Temperature range: **-40°F** to **250°F** (**-40°C** to **121°C**)
- **15,000 PSI** for NPTF threads; **20,000 PSI** for MP threads
- Interchangeable with SPIR STAR CQD Series, DNP CRS Series, and Jetstream Screw Type

| Body Size | Threads | Description | Stainless Steel Part # |
|---|---|---|---|
| 1/2" | 1/2" - 14 NPTF | coupler | 4TDF4-SS |
| | | plug | TD4F4-SS |
| | 9/16" MP | coupler | 4TDPF4.5-SS |
| | | plug | TD4PF4.5-SS |

### Dust Caps



| Body Size | Threads | Aluminum Part # |
|---|---|---|
| 1/2" | 1/2" - 14 NPTF | TD4DC-A |
| | 9/16" MP | TD4.5DC-A |

### Dust Plugs



| Body Size | Threads | Aluminum Part # |
|---|---|---|
| | 1/2" - 14 NPTF | 4TDDP-A |



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# E-Series Hydraulic Couplings

### Features

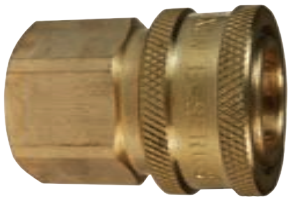
- Couplers have no internal valves, which provide maximum flow with minimum pressure drop
- Contact Dixon® for additional seal material options
- Contact Dixon for pressure ratings and other technical information
- Interchanges with Parker ST, Hannifin SST/BST, Foster FST, Hansen ST, and Tomco ST couplings
- Do not disconnect with pressure in line

### Specification

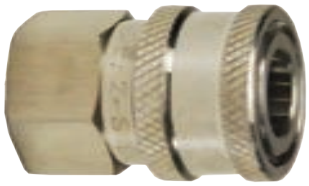
- Nitrile rubber seals are standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

## Straight-Through Female Threaded Couplers

| Body Size | Threads | Brass Part # | 303 Stainless Steel Part # |
|---|---|---|---|
| 1/8" | 1/8" - 27 NPTF | 1EF1-B | 1EF1-S |
| 1/4" | 1/4" - 18 NPTF | 2EF2-B | 2EF2-S |
| | 1/4" - 19 BSPP | 2EBF2-B | --- |
| 3/8" | 3/8" - 18 NPTF | 3EF3-B | 3EF3-S |
| | 3/8" - 19 BSPP | 3EBF3-B | --- |
| 1/2" | 1/2" - 14 NPTF | 4EF4-B | 4EF4-S |
| | 1/2" - 14 BSPP | 4EBF4-B | --- |
| 3/4" | 3/4" - 14 NPTF | 6EF6-B | 6EF6-S |
| | 3/4" - 14 BSPP | 6EBF6-B | --- |
| 1" | 1" - 11-1/2 NPTF | 8EF8-B | 8EF8-S |
| | 1" - 11 BSPP | 8EBF8-B | --- |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | 10EF10-B | 10EF10-S |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | 12EF12-B | 12EF12-S |
| 2" | 2" - 11-1/2 NPTF | 16EF16-B | 16EF16-S |



brass



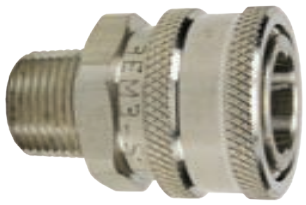
303 stainless

## Straight-Through Male Threaded Couplers

| Body Size | Threads | Brass Part # | 303 Stainless Steel Part # |
|---|---|---|---|
| 1/8" | 1/8" - 27 NPTF | 1EM1-B | 1EM1-S |
| 1/4" | 1/4" - 18 NPTF | 2EM2-B | 2EM2-S |
| 3/8" | 3/8" - 18 NPTF | 3EM3-B | 3EM3-S |
| 1/2" | 1/2" - 14 NPTF | 4EM4-B | 4EM4-S |
| 3/4" | 3/4" - 14 NPTF | 6EM6-B | 6EM6-S |
| 1" | 1" - 11-1/2 NPTF | 8EM8-B | 8EM8-S |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | 10EM10-B | --- |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | 12EM12-B | --- |
| 2" | 2" - 11-1/2 NPTF | 16EM16-B | --- |



brass



303 stainless

## Straight-Through Hose Barb Couplers

| Body Size | Hose I.D. | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | 2ES2-B |
| 3/8" | 3/8" | 3ES3-B |
| 1/2" | 1/2" | 4ES4-B |
| 3/4" | 3/4" | 6ES6-B |
| 1" | 1" | 8ES8-B |





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# E-Series Hydraulic Couplings

## Straight-Through Female Threaded Plugs



steel



brass

| Body Size | Threads | Steel Part # | Brass Part # |
|---|---|---|---|
| 1/8" | 1/8" - 27 NPTF | E1F1 | E1F1-B |
| 1/4" | 1/4" - 18 NPTF | E2F2 | E2F2-B |
| | 1/4" - 19 BSPP | --- | E2BF2-B |
| 3/8" | 3/8" - 18 NPTF | E3F3 | E3F3-B |
| | 3/8" - 19 BSPP | --- | E3BF3-B |
| 1/2" | 1/2" - 14 NPTF | E4F4 | E4F4-B |
| | 1/2" - 14 BSPP | --- | E4BF4-B |
| 3/4" | 3/4" - 14 NPTF | E6F6 | E6F6-B |
| | 3/4" - 14 BSPP | --- | E6BF6-B |
| 1" | 1" - 11-1/2 NPTF | E8F8 | E8F8-B |
| | 1" - 11 BSPP | --- | E8BF8-B |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | E10F10 | E10F10-B |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | E12F12 | E12F12-B |
| 2" | 2" - 11-1/2 NPTF | E16F16 | E16F16-B |



| Body Size | Threads | 303 Stainless Steel Part # |
|---|---|---|
| 1/8" | 1/8" - 27 NPTF | E1F1-S |
| 1/4" | 1/4" - 18 NPTF | E2F2-S |
| 3/8" | 3/8" - 18 NPTF | E3F3-S |
| 1/2" | 1/2" - 14 NPTF | E4F4-S |
| 3/4" | 3/4" - 14 NPTF | E6F6-S |
| 1" | 1" - 11-1/2 NPTF | E8F8-S |
| 1-1/4" | 1-1/4" - 11-1/2 NPTF | E10F10-S |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | E12F12-S |
| 2" | 2" - 11-1/2 NPTF | E16F16-S |

## Straight-Through Male Threaded Plugs



steel



brass

| Body Size | Threads | Steel Part # | Brass Part # |
|---|---|---|---|
| 1/8" | 1/8" - 27 NPTF | E1M1 | E1M1-B |
| 1/4" | 1/4" - 18 NPTF | E2M2 | E2M2-B |
| 3/8" | 3/8" - 18 NPTF | E3M3 | E3M3-B |
| 1/2" | 1/2" - 14 NPTF | E4M4 | E4M4-B |
| 3/4" | 3/4" - 14 NPTF | E6M6 | E6M6-B |
| 1" | 1" - 11-1/2 NPTF | E8M8 | E8M8-B |
| 1-1/4" | 1-1/4" - 11-1/4 NPTF | E10M10 | E10M10-B |
| 1-1/2" | 1-1/2" - 11-1/2 NPTF | E12M12 | E12M12-B |
| 2" | 2" - 11-1/2 NPTF | E16M16 | E16M16-B |



| Body Size | Threads | 303 Stainless Steel Part # |
|---|---|---|
| 1/8" | 1/8" - 27 NPTF | E1M1-S |
| 1/4" | 1/4" - 18 NPTF | E2M2-S |
| 3/8" | 3/8" - 18 NPTF | E3M3-S |
| 1/2" | 1/2" - 14 NPTF | E4M4-S |
| 3/4" | 3/4" - 14 NPTF | E6M6-S |
| 1" | 1" - 11-1/2 NPTF | E8M8-S |

## E-Series Hydraulic Couplings

### Straight-Through Hose Barb Plugs

| Body Size | Hose I.D. | Steel Part # | Brass Part # |
|---|---|---|---|
| 1/4" | 1/4" | E2S2 | E2S2-B |
| 3/8" | 3/8" | E3S3 | E3S3-B |
| 1/2" | 1/2" | E4S4 | E4S4-B |
| 3/4" | 3/4" | E6S6 | E6S6-B |
| 1" | 1" | E8S8 | E8S8-B |



steel



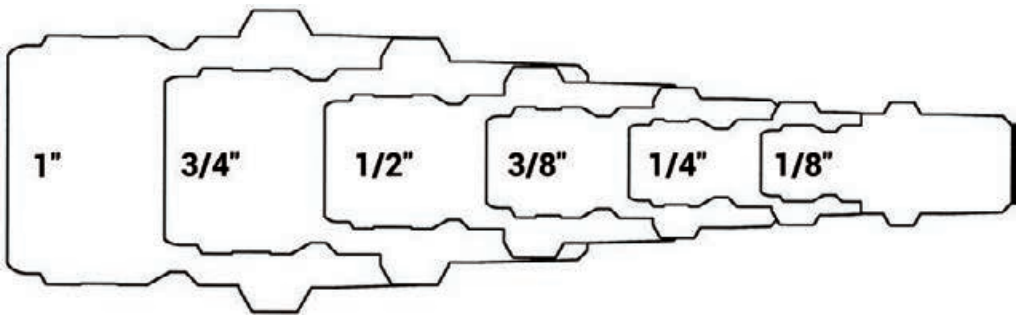
brass

### Straight-Through Coupler Seal Kits

| Body Size | Coupler Style | Seal Kit Contents | Nitrile Part # | FKM Part # | EPDM Part # |
|---|---|---|---|---|---|
| 1/4" | all | body O-ring | 2E-SKIT | F-2E-SKIT | P-2E-SKIT |
| 3/8" | all | body O-ring | 3E-SKIT | F-3E-SKIT | P-3E-SKIT |
| 1/2" | all | body O-ring | 4E-SKIT | F-4E-SKIT | P-4E-SKIT |
| 3/4" | all | body O-ring | 6E-SKIT | F-6E-SKIT | P-6E-SKIT |
| 1" | all | body O-ring | 8E-SKIT | F-8E-SKIT | P-8E-SKIT |
| 1-1/4" | all | body O-ring | 10E-SKIT | F-10E-SKIT | P-10E-SKIT |
| 1-1/2" | all | body O-ring | 12E-SKIT | F-12E-SKIT | P-12E-SKIT |
| 2" | all | body O-ring | 16E-SKIT | F-16E-SKIT | P-16E-SKIT |

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### Plug Profiles




### Industry/Competitor Interchange

Foster FST
Parker ST
Hansen ST

## EA-Series Hydraulic Couplings

### Features

- Plug mounted sleeve guard protects against accidental disconnection
- Smooth bore full-flow design ensures maximum flow with minimal pressure drop
- Steel body components maximize service life by resisting the effects of brinneling and internal erosion
- Heavy duty knurled sleeve with locking pin provides maximum protection against brinneling and accidental disconnection
- Interchangeable with Parker WB, Aeroquip FD69, and Snap Tite 56

### Specifications

- Nitrile rubber seals are standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)
- Pressure rating **10000 PSI** at **70°F (21°C)**







### Water-Blast Couplers

| Body Size | Female Threads | Steel Part # |
|---|---|---|
| 1/2" | 3/8" - 18 NPTF | 4EAF3 |
| | 1/2" - 14 NPTF | 4EAF4 |

### Water-Blast Plugs

| Body Size | Female Threads | Steel Part # |
|---|---|---|
| 1/2" | 3/8" - 18 NPTF | EA4F3 |
| | 1/2" - 14 NPTF | EA4F4 |

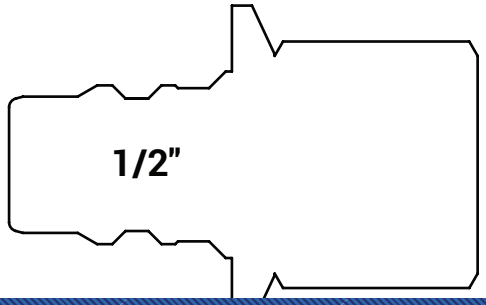
### Water-Blast Seal Kits

| Body Size | Coupler Style | Seal Kit Contents | Nitrile Part # |
|---|---|---|---|
| 1/2" | all | body O-ring and PTFE back-up | 4EA-SKIT |

| Body Size | Coupler Style | Seal Kit Contents | FKM Part # |
|---|---|---|---|
| 1/2" | all | body O-ring and PTFE back-up | F-4EA-SKIT |

| Body Size | Coupler Style | Seal Kit Contents | EPDM Part # |
|---|---|---|---|
| 1/2" | all | body O-ring and PTFE back-up | P-4EA-SKIT |

### Plug Profile



# CM-Series Hydraulic Couplings

## Features

- Interchangeable with Foster Series- FJT, Hansen Flo-Temp, Tomco MC-Series, Parker Moldmate, DME Jiffy-Tite
- Contact Dixon® for pressure ratings and other technical information

## Specification

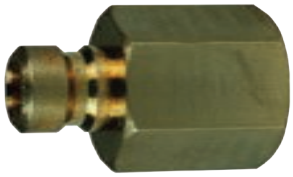
- Silicone gaskets and valve O-rings standard providing a temperature range **-90°F** to **400°F** **(-68°C** to **205°C)**

### Industrial Mold Plug Female NPTF

| Body Size | Threads | Steel Part # | Brass Part # |
|---|---|---|---|
| 1/4" | 1/8" - 27 NPTF | CM2F1 | CM2F1-B |
| | 1/4" - 18 NPTF | CM2F2 | CM2F2-B |
| | 3/8" - 18 NPTF | CM2F3 | CM2F3-B |
| 3/8" | 1/4" - 18 NPTF | CM3F2 | CM3F2-B |
| | 3/8" - 18 NPTF | CM3F3 | CM3F3-B |
| 1/2" | 1/2" - 14 NPTF | --- | CM4F4-B |
| | 3/4" - 14 NPTF | --- | CM4F6-B |



steel



brass

### Industrial Mold Plug Male NPTF

| Body Size | Threads | Brass Part # |
|---|---|---|
| 1/4" | 1/8" - 27 NPTF | CM2M1-B |
| | 1/4" - 18 NPTF | CM2M2-B |
| | 3/8" - 18 NPTF | CM2M3-B |
| 3/8" | 1/4" - 18 NPTF | CM3M2-B |
| | 3/8" - 18 NPTF | CM3M3-B |
| | 1/2" - 14 NPTF | CM3M4-B |
| 1/2" | 1/2" - 14 NPTF | CM4M4-B |
| | 3/4" - 14 NPTF | CM4M6-B |



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### Industrial Mold Extension Plug Male NPTF

| Body Size | Threads | Brass Part # |
|---|---|---|
| 1/4" | 1/8" - 27 NPTF | CM2M1-B-L2.5 |
| | | CM2M1-B-L4 |
| | | CM2M1-B-L5.5 |
| | 1/4" - 18 NPTF | CM2M2-B-L2.5 |
| | | CM2M2-B-L4 |
| | | CM2M2-B-L5.5 |
| | | CM2M2-B-L7 |
| 3/8" | 1/8" - 27 NPTF | CM3M1-B-L2.5 |
| | | CM3M1-B-L4 |
| | | CM3M1-B-L5.5 |
| | | CM3M1-B-L7 |
| | 1/4" - 18 NPTF | CM3M2-B-L2.5 |
| | | CM3M2-B-L4 |
| | | CM3M2-B-L5.5 |
| | | CM3M2-B-L7 |
| | | CM3M2-B-L8.5 |
| | | CM3M2-B-L11.5 |



## CM-Series Hydraulic Couplings

### Industrial Mold Unvalved Coupler Female NPTF



| Body Size | Threads | Brass Part # |
|---|---|---|
| 1/4" | 1/8" - 27 NPTF | 2CMF1-B-E |
| | 1/4" - 18 NPTF | 2CMF2-B-E |
| 3/8" | 1/4" - 18 NPTF | 3CMF2-B-E |
| | 3/8" - 18 NPTF | 3CMF3-B-E |
| 1/2" | 1/2" - 14 NPTF | 4CMF4-B-E |

### Industrial Mold Valved Coupler Female NPTF



| Body Size | Threads | Brass Part # |
|---|---|---|
| 1/4" | 1/8" - 27 NPTF | 2CMF1-B |
| 3/8" | 1/4" - 18 NPTF | 3CMF2-B |

### Industrial Mold Unvalved Coupler Hose Barb



| Body Size | Hose I.D. | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | 2CMS2-B-E |
| | 5/16" | 2CMS2.5-B-E |
| | 3/8" | 2CMS3-B-E |
| 3/8" | 3/8" | 3CMS3-B-E |
| | 1/2" | 3CMS4-B-E |
| 1/2" | 1/2" | 4CMS4-B-E |
| | 3/4" | 4CMS6-B-E |

### Industrial Mold Valved Coupler Hose Barb



| Body Size | Hose I.D. | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | 2CMS2-B |
| | 5/16" | 2CMS2.5-B |
| | 3/8" | 2CMS3-B |
| 3/8" | 3/8" | 3CMS3-B |
| | 1/2" | 3CMS4-B |

### Industrial Mold Unvalved Coupler Push-Loc Barb



| Body Size | Hose I.D. | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | 2CMB2-B-E |
| | 3/8" | 2CMB3-B-E |
| 3/8" | 3/8" | 3CMB3-B-E |
| | 1/2" | 3CMB4-B-E |
| 1/2" | 1/2" | 4CMB4-B-E |
| | 3/4" | 4CMB6-B-E |

### Industrial Mold Valved Coupler Push-Loc Barb



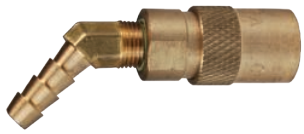
| Body Size | Hose I.D. | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | 2CMB2-B |
| | 3/8" | 2CMB3-B |
| | 3/8" | 3CMB3-B |

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## CM-Series Hydraulic Couplings

### Industrial Mold Unvalved Coupler 45° Hose Barb

| Body Size | Hose I.D. | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | 2CM4S2-B-E |
| | 5/16" | 2CM4S2.5-B-E |
| | 3/8" | 2CM4S3-B-E |
| 3/8" | 3/8" | 3CM4S3-B-E |
| | 1/2" | 3CM4S4-B-E |
| 1/2" | 1/2" | 4CM4S4-B-E |
| | 3/4" | 4CM4S6-B-E |



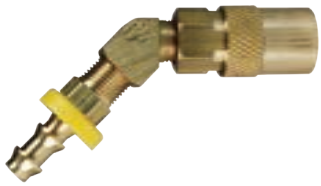
### Industrial Mold Valved Coupler 45° Hose Barb

| Body Size | Hose I.D. | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | 2CM4S2-B |
| | 1/4" | 2CM4S2.5-B |
| | 3/8" | 2CM4S3-B |
| 3/8" | 3/8" | 3CM4S3-B |
| | 1/2" | 3CM4S4-B |



### Industrial Mold Unvalved Coupler 45° Push-Loc Barb

| Body Size | Hose I.D. | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | 2CM4B2-B-E |
| | 3/8" | 2CM4B3-B-E |
| 3/8" | 3/8" | 3CM4B3-B-E |
| | 1/2" | 3CM4B4-B-E |
| 1/2" | 1/2" | 4CM4B4-B-E |
| | 3/4" | 4CM4B6-B-E |



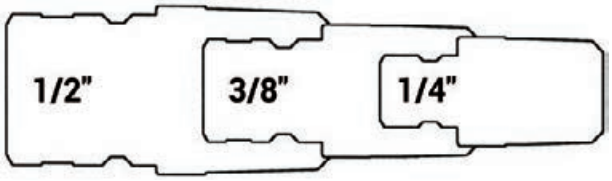
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### Industrial Mold Valved Coupler 45° Push-Loc Barb

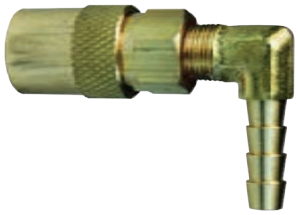
| Body Size | Hose I.D. | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | 2CM4B2-B |
| | 3/8" | 2CM4B3-B |
| 3/8" | 3/8" | 3CM4B3-B |
| | 1/2" | 3CM4B4-B |



### Plug Profiles



# CM-Series Hydraulic Couplings



### Industrial Mold Unvalved Coupler 90° Hose Barb

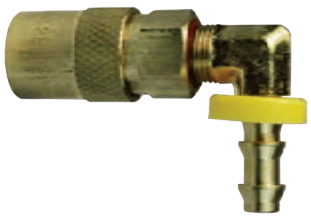
| Body Size | Hose I.D. | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | 2CM9S2-B-E |
| | 5/16" | 2CM9S2.5-B-E |
| | 3/8" | 2CM9S3-B-E |
| 3/8" | 3/8" | 3CM9S3-B-E |
| | 1/2" | 3CM9S4-B-E |
| 1/2" | 1/2" | 4CM9S4-B-E |
| | 3/4" | 4CM9S6-B-E |



### Industrial Mold Valved Coupler 90° Hose Barb

| Body Size | Hose I.D. | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | 2CM9S2-B |
| | 5/16" | 2CM9S2.5-B |
| | 3/8" | 2CM9S3-B |
| 3/8" | 3/8" | 3CM9S3-B |
| | 1/2" | 3CM9S4-B |





### Industrial Mold Unvalved Coupler 90° Push-Loc Barb

| Body Size | Hose I.D. | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | 2CM9B2-B-E |
| | 3/8" | 2CM9B3-B-E |
| 3/8" | 3/8" | 3CM9B3-B-E |
| | 1/2" | 3CM9B4-B-E |
| 1/2" | 1/2" | 4CM9B4-B-E |
| | 3/4" | 4CM9B6-B-E |



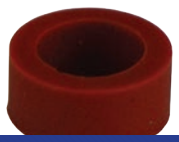
### Industrial Mold Valved Coupler 90° Push-Loc Barb

| Body Size | Hose I.D. | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | 2CM9B2-B |
| | 3/8" | 2CM9B3-B |
| 3/8" | 3/8" | 3CM9B3-B |
| | 1/2" | 3CM9B4-B |



### Industrial Mold Interchange Dust Plugs

| Body Size | Lanyard | Brass Part # |
|---|---|---|
| 1/4" | N/A | 2CMPC-B |
| 3/8" | N/A | 3CMPC-B |
| 1/2" | N/A | 4CMPC-B |



### Industrial Mold Coupler Seal Kits

| Body Size | Coupler Style | Seal Kit Contents | Silicone Part # |
|---|---|---|---|
| 1/4" | all | body seal | 2CM-SKIT |
| 3/8" | all | body seal | 3CM-SKIT |

# Hydraulic Adapters - Flat Face

## Male Unions

**Specifications**
- Reference SAE 520101
- Pressure rating at **70°F (21°C)**

| Male Flat Face | PSI | Zinc Plated Steel Part # |
|---|---|---|
| 9/16"-18 | **6000** | FS2403-4 |
| 11/16"-16 | **6000** | FS2403-6 |
| 13/16"-16 | **6000** | FS2403-8 |
| 1"-14 | **6000** | FS2403-10 |
| 1-3/16"-12 | **6000** | FS2403-12 |
| 1-7/16"-12 | **6000** | FS2403-16 |



## Male x Male SAE O-ring Boss® Connectors

**Specifications**
- Reference SAE 520120
- Pressure rating at **70°F (21°C)**

| Male Flat Face | Male SAE O-ring Boss | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 9/16"-18 | 7/16"-20 | **5000** | FS6400-4-4 |
| 11/16"-16 | 9/16"-18 | **5000** | FS6400-6-6 |
| 13/16"-16 | 3/4"-16 | **4500** | FS6400-8-8 |
| 1"-14 | 7/8"-14 | **3500** | FS6400-10-10 |
| 1-3/16"-12 | 1-1/16"-12 | **3500** | FS6400-12-12 |
| 1-7/16"-12 | 1-5/16"-12 | **3000** | FS6400-16-16 |



## Male x Male NPTF Connectors

**Specifications**
- Reference SAE 520102
- Pressure rating at **70°F (21°C)**

| Male Flat Face | Male NPTF | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 9/16"-18 | 1/4"-18 | **5000** | FS2404-4-4 |
| 11/16"-16 | 3/8"-18 | **4000** | FS2404-6-6 |
| 13/16"-16 | 1/2"-14 | **3000** | FS2404-8-8 |
| 1-3/16"-12 | 3/4"-14 | **2500** | FS2404-12-12 |
| 1-7/16"-12 | 1"-11-1/2 | **2000** | FS2404-16-16 |



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## Male x Female Swivel Nut 90° Elbows

**Specifications**
- Reference SAE 520221
- Pressure rating at **70°F (21°C)**

| Male Flat Face | Female Flat Face | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 9/16"-18 | 9/16"-18 | **6000** | FS6500-4-4 |
| 11/16"-16 | 11/16"-16 | **6000** | FS6500-6-6 |
| 13/16"-16 | 13/16"-16 | **6000** | FS6500-8-8 |
| 1"-14 | 1"-14 | **6000** | FS6500-10-10 |
| 1-3/16"-12 | 1-3/16"-12 | **6000** | FS6500-12-12 |
| 1-7/16"-12 | 1-7/16"-12 | **6000** | FS6500-16-16 |



## Male x Male SAE O-ring Boss 90° Elbows

**Specifications**
- Reference SAE 520220
- Pressure rating at **70°F (21°C)**

| Male Flat Face | Male SAE O-ring Boss | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 9/16"-18 | 7/16"-20 | **5000** | FS6801-4-4 |
| 11/16"-16 | 9/16"-18 | **5000** | FS6801-6-6 |
| 13/16"-16 | 3/4"-16 | **4500** | FS6801-8-8 |
| 1"-14 | 7/8"-14 | **3500** | FS6801-10-10 |



# Hydraulic Adapters - Flat Face

## Male x Male NPTF 90° Elbows



**Specfications**
- Reference SAE 520202
- Pressure rating at **70°F (21°C)**

| Male Flat Face | Male NPTF | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 9/16"-18 | 1/4"-18 | **5000** | FS2501-4-4 |
| 11/16"-16 | 3/8"-18 | **4000** | FS2501-6-6 |
| 13/16"-16 | 1/2"-14 | **3000** | FS2501-8-8 |
| 1-3/16"-12 | 3/4"-14 | **2500** | FS2501-12-12 |
| 1-7/16"-12 | 1"-11-1/2 | **2000** | FS2501-16-16 |

## Male Union Tees



**Specifications**
- Reference SAE 520401
- Pressure rating at **70°F (21°C)**

| Male Flat Face | Male Flat Face | Male Flat Face | PSI | Zinc Plated Steel Part # |
|---|---|---|---|---|
| 9/16"-18 | 9/16"-18 | 9/16"-18 | **6000** | FS2603-4 |
| 11/16"-16 | 11/16"-16 | 11/16"-16 | **6000** | FS2603-6 |
| 13/16"-16 | 13/16"-16 | 13/16"-16 | **6000** | FS2603-8 |
| 1"-14 | 1"-14 | 1"-14 | **6000** | FS2603-10 |
| 1-3/6"-12 | 1-3/16"-12 | 1-3/16"-12 | **6000** | FS2603-12 |
| 1-7/16"-12 | 1-7/16"-12 | 1-7/16"-12 | **6000** | FS2603-16 |

## Male x Female Swivel x Male Run Tees



**Specifications**
- Reference SAE 520432
- Pressure rating at **70°F (21°C)**

| Male Flat Face | Female Flat Face Swivel | Male Flat Face | PSI | Zinc Plated Steel Part # |
|---|---|---|---|---|
| 9/16"-18 | 9/16"-18 | 9/16"-18 | **4500** | FS6602-4 |
| 11/16"-16 | 11/16"-16 | 11/16"-16 | **4000** | FS6602-6 |
| 13/16"-16 | 13/16"-16 | 13/16"-16 | **4000** | FS6602-8 |
| 1"-14 | 1"-14 | 1"-14 | **3000** | FS6602-10 |
| 1-3/16"-12 | 1-3/16"-12 | 1-3/16"-12 | **3000** | FS6602-12 |
| 1-7/16"-12 | 1-7/16"-12 | 1-7/16"-12 | **2500** | FS6602-16 |

## Caps



**Specifications**
- Reference SAE 520112
- Pressure rating at **70°F (21°C)**

| Female Flat Face | PSI | Zinc Plated Steel Part # |
|---|---|---|
| 9/16"-18 | **6000** | FS304C-4 |
| 11/16"-16 | **6000** | FS304C-6 |
| 13/16"-16 | **6000** | FS304C-8 |
| 1"-14 | **6000** | FS304C-10 |
| 1-3/16"-12 | **6000** | FS304C-12 |
| 1-7/16"-12 | **6000** | FS304C-16 |

## Plugs



**Specifications**
- Reference SAE 520109
- Pressure rating at **70°F (21°C)**

| Male Flat Face | PSI | Zinc Plated Steel Part # |
|---|---|---|
| 9/16"-18 | **6000** | FS2408-4 |
| 11/16"-16 | **6000** | FS2408-6 |
| 13/16"-16 | **6000** | FS2408-8 |
| 1"-14 | **6000** | FS2408-10 |

# Hydraulic Adapters - O-ring Boss®

## Port Reducers

**Specification**
- Pressure rating at **70°F (21°C)**

| Male SAE O-ring Boss | Female O-ring Port | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 9/16"-18 | 7/16"-20 | **5000** | 6410-6-4 |
| | 3/4"-16 | **4500** | 6410-6-8 |
| 3/4"-16 | 7/8"-14 | **3500** | 6410-8-10 |
| | 9/16"-18 | **4500** | 6410-8-6 |
| 7/8"-14 | 1-1/16"-12 | **3500** | 6410-10-12 |
| | 3/4"-16 | **3500** | 6410-10-8 |
| 1-1/16"-12 | 7/8"-14 | **3000** | 6410-12-10 |
| | 1-5/16"-12 | **3000** | 6410-12-16 |



## Adjustable Unions

**Specification**
- Pressure rating at **70°F (21°C)**

| Male O-ring Boss | Adjustable O-ring Boss | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 7/16"-20 | **4500** | 6403-4 |
| 9/16"-18 | 9/16"-18 | **4000** | 6403-6 |
| 3/4"-16 | 3/4"-16 | **4000** | 6403-8 |
| 7/8"-14 | 7/8"-14 | **3000** | 6403-10 |
| 1-1/16"-12 | 1-1/16"-12 | **3000** | 6403-12 |
| 1-5/16"-12 | 1-5/16"-12 | **2500** | 6403-16 |



## Male JIC x Male SAE

**Specifications**
- Reference SAE 070120
- Pressure rating at **70°F (21°C)**

| Male JIC | Male SAE O-ring Boss | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 7/16"-20 | **5000** | 1231-04-04 |
| | 9/16"-18 | **5000** | 1231-04-06 |
| | 3/4"-16 | **4500** | 1231-04-08 |
| 1/2"-20 | 1/2"-20 | **5000** | 1231-05-05 |
| 9/16"-18 | 7/16"-20 | **5000** | 1231-06-04 |
| | 9/16"-18 | **5000** | 1231-06-06 |
| | 3/4"-16 | **4500** | 1231-06-08 |
| | 7/8"-14 | **3500** | 1231-06-10 |
| 3/4"-16 | 9/16"-18 | **4500** | 1231-08-06 |
| | 3/4"-16 | **4500** | 1231-08-08 |
| | 7/8"-14 | **3500** | 1231-08-10 |
| | 1-1/16"-12 | **3500** | 1231-08-12 |
| 7/8"-14 | 3/4"-16 | **3500** | 1231-10-08 |
| | 7/8"-14 | **3500** | 1231-10-10 |
| | 1-1/16"-12 | **3500** | 1231-10-12 |
| 1-1/16"-12 | 7/8"-14 | **3500** | 1231-12-10 |
| | 1-1/16"-12 | **3500** | 1231-12-12 |
| | 1-5/16"-12 | **3000** | 1231-12-16 |
| 1-5/16"-12 | 1-1/16"-12 | **3000** | 1231-16-12 |
| | 1-5/16"-12 | **3000** | 1231-16-16 |
| | 1-5/8"-12 | **2500** | 1231-16-20 |
| 1-6/8"-12 | 1-5/16"-12 | **2500** | 1231-20-16 |
| 1-5/8"-12 | 1-5/8"-12 | **2500** | 1231-20-20 |



## Male x Male NPTF

**Feature**
- Pressure rating at **70°F (21°C)**

| Male SAE O-ring Boss | Male NPTF Pipe Adapter | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 1/4"-18 | **5000** | 6401-4-4 |
| 9/16"-18 | 1/4"-18 | **4000** | 6401-6-4 |
| | 3/8"-18 | **4000** | 6401-6-6 |
| | 1/2"-14 | **3000** | 6401-6-8 |
| 3/4"-16 | 3/8"-18 | **3000** | 6401-8-6 |
| | 1/2"-14 | **3000** | 6401-8-8 |
| 7/8"-14 | 1/2"-14 | **3000** | 6401-10-8 |



## Hydraulic Adapters - O-ring Boss® (ORB)

### Male x Female NPTF



**Specification**
- Pressure rating at **70°F (21°C)**

| Male SAE O-ring Boss | Female NPTF Pipe | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 1/8"-27 | **5000** | 6405-4-2 |
| | 1/4"-18 | **5000** | 6405-4-4 |
| | 3/8"-18 | **4000** | 6405-4-6 |
| 9/16"-18 | 1/4"-18 | **4000** | 6405-6-4 |
| | 3/8"-18 | **4000** | 6405-6-6 |
| | 1/2"-14 | **3000** | 6405-6-8 |
| 3/4"-16 | 3/8"-18 | **4000** | 6405-8-6 |
| | 1/2"-14 | **3000** | 6405-8-8 |
| 7/8"-14 | 1/4"-18 | **3000** | 6405-10-4 |
| | 1/2"-14 | **3000** | 6405-10-8 |
| | 3/4"-14 | **2500** | 6405-10-12 |
| 1-1/16"-12 | 1/2"-14 | **3000** | 6405-12-8 |
| | 3/4"-14 | **2500** | 6405-12-12 |
| | 1"-11-1/2 | **2000** | 6405-12-16 |
| 1-5/16"-12 | 3/4"-14 | **2500** | 6405-16-12 |
| | 1"-11-1/2 | **2000** | 6405-16-16 |
| | 1-1/4"-11-1/2 | **1150** | 6405-16-20 |
| 1-5/8"-12 | 1"-11-1/2 | **2000** | 6405-20-16 |
| | 1-1/4"-11-1/2 | **1150** | 6405-20-20 |

### 90° Male SAE x Male JIC Elbows



**Specifications**
- Reference SAE 070220
- Pressure rating at **70°F (21°C)**

| Male SAE O-ring Boss | Male JIC | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 7/16"-20 | **5000** | 1238-04-04 |
| | 9/16"-18 | **5000** | 1238-04-06 |
| 9/16"-18 | 7/16"-20 | **5000** | 1238-06-04 |
| | 9/16"-18 | **5000** | 1238-06-06 |
| 3/4"-16 | 9/16"-18 | **4500** | 1238-08-06 |
| | 3/4"-16 | **4500** | 1238-08-08 |
| | 7/8"-14 | **3500** | 1238-08-10 |
| 7/8"-14 | 3/4"-16 | **3500** | 1238-10-08 |
| | 7/8"-14 | **3500** | 1238-10-10 |
| | 1-1/16"-12 | **3500** | 1238-10-12 |
| 1-1/16"-12 | 7/8"-14 | **3500** | 1238-12-10 |
| | 1-1/16"-12 | **3500** | 1238-12-12 |
| | 1-5/16"-12 | **3000** | 1238-12-16 |
| 1-5/16"-16 | 1-1/16"-12 | **3000** | 1238-16-12 |
| 1-5/16"-12 | 1-5/16"-12 | **3000** | 1238-16-16 |
| 1-5/8"-12 | 1-5/16"-12 | **2500** | 1238-20-16 |
| | 1-5/8"-12 | **2500** | 1238-20-20 |
| 1-7/8"-12 | 1-7/8"-12 | **2000** | 1238-24-24 |

### 90° SAE x Female NPSM Swivel Nut Elbows



**Specifications**
- Reference SAE 140257
- Pressure rating at **70°F (21°C)**

| Male SAE O-ring Boss | Female NPSM Swivel | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 1/4"-18 | **4500** | 6901-4-4 |
| | 3/8"-18 | **4000** | 6901-4-6 |
| 9/16"-18 | 1/4"-18 | **4000** | 6901-6-4 |
| | 3/8"-18 | **4000** | 6901-6-6 |
| | 1/2"-14 | **4000** | 6901-6-8 |
| 3/4"-16 | 3/8"-18 | **3500** | 6901-8-6 |
| | 1/2"-14 | **4000** | 6901-8-8 |
| | 3/4"-14 | **3000** | 6901-8-12 |
| 7/8"-14 | 1/2"-14 | **3500** | 6901-10-8 |
| | 3/4"-14 | **3000** | 6901-10-12 |
| 1-1/16"-12 | 1/2"-14 | **3500** | 6901-12-8 |
| | 3/4"-14 | **3000** | 6901-12-12 |
| | 1"-11-1/2 | **2500** | 6901-12-16 |
| 1-5/16"-12 | 3/4"-14 | **3000** | 6901-16-12 |
| | 1"-11-1/2 | **2500** | 6901-16-16 |

# Hydraulic Adapters - O-ring Boss® (ORB)

## 45° Male SAE x Male JIC Elbows

**Specifications**
- Reference SAE 070320
- Pressure rating at **70°F (21°C)**

| Male SAE O-ring Boss | Male JIC | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 7/16"-20 | **5000** | 1240-04-04 |
| 9/16"-18 | 9/16"-18 | **5000** | 1240-06-06 |
| | 3/4"-16 | **4500** | 1240-06-08 |
| 3/4"-16 | 9/16"-18 | **4500** | 1240-08-06 |
| | 3/4"-16 | **4500** | 1240-08-08 |
| | 7/8"-14 | **3500** | 1240-08-10 |
| 7/8"-14 | 3/4"-16 | **3500** | 1240-10-08 |
| | 7/8"-14 | **3500** | 1240-10-10 |
| | 1-1/16"-12 | **3500** | 1240-10-12 |
| 1-1/16"-12 | 7/8"-14 | **3500** | 1240-12-10 |
| | 1-1/16"-12 | **3500** | 1240-12-12 |
| | 1-5/16"-12 | **3000** | 1240-12-16 |
| 1-5/16"-12 | 1-5/16"-12 | **3000** | 1240-16-16 |
| 1-5/8"-12 | 1-5/16"-12 | **2500** | 1240-20-16 |
| | 1-5/8"-12 | **2500** | 1240-20-20 |



## Male 37° Flare x Male Branch Tees

**Specifications**
- Reference SAE 070429
- Pressure rating at **70°F (21°C)**

| (2) Male JIC 37° | Male SAE O-ring Boss | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 7/16"-20 | **5000** | 6803-4 |
| 9/16"-18 | 9/16"-18 | **5000** | 6803-6 |
| 3/4"-16 | 3/4"-16 | **4500** | 6803-8 |
| 7/8"-14 | 7/8"-14 | **3500** | 6803-10 |
| 1-1/16"-12 | 1-1/16"-12 | **3500** | 6803-12 |
| 1-5/16"-12 | 1-5/16"-12 | **3000** | 6803-16 |





## SAE Plugs

**Specifications**
- Reference SAE 090109A
- Pressure rating at **70°F (21°C)**

| Male SAE O-ring Boss | PSI | Zinc Plated Steel Part # |
|---|---|---|
| 7/16"-20 | **5000** | 1255-04H |
| 9/16"-18 | **5000** | 1255-06H |
| 3/4"-16 | **4500** | 1255-08H |
| 7/8"-14 | **3500** | 1255-10H |
| 1-1/16"-12 | **3500** | 1255-12H |
| 1-5/16"-12 | **3000** | 1255-16H |
| 1-5/8"-12 | **2500** | 1255-20H |
| 1-7/8"-12 | **2000** | 1255-24H |
| 2-1/2"-12 | **1500** | 1255-32H |



## Hollow Hex Plugs

**Specifications**
- Reference SAE 090109B
- Requires Allen wrench
- Pressure rating at **70°F (21°C)**

| Male SAE O-ring Boss | PSI | Zinc Plated Steel Part # |
|---|---|---|
| 7/16"-20 | **5000** | 6408HHP-4 |
| 9/16"-18 | **5000** | 6408HHP-6 |
| 3/4"-16 | **4500** | 6408HHP-8 |
| 7/8"-14 | **3500** | 6408HHP-10 |
| 1-1/16"-12 | **3500** | 6408HHP-12 |
| 1-5/16"-12 | **3000** | 6408HHP-16 |
| 1-5/8"-12 | **2500** | 6408HHP-20 |



# Hydraulic Adapters - 37° JIC

## Male x Male



**Specifications**
- Reference SAE 070101
- Pressure rating at **70°F (21°C)**

| Male JIC 37° | Male JIC 37° | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 7/16"-20 | **5000** | 1204-04-04 |
| 9/16"-18 | 9/16"-18 | **5000** | 1204-06-06 |
| 3/4"-16 | 7/16"-20 | **4500** | 1204-08-04 |
| | 3/4"-16 | **4500** | 1204-08-08 |
| 7/8"-14 | 3/4"-16 | **3500** | 1204-10-08 |
| | 7/8"-14 | **3500** | 1204-10-10 |
| 1-1/16"-12 | 3/4"-16 | **3500** | 1204-12-08 |
| | 7/8"-14 | **3500** | 1204-12-10 |
| | 1-1/16"-12 | **3500** | 1204-12-12 |
| 1-5/16"-12 | 1-1/16"-12 | **3000** | 1204-16-12 |
| | 1-5/16"-12 | **3000** | 1204-16-16 |
| 1-5/8"-12 | 1-5/8"-12 | **2500** | 1204-20-20 |
| 1-7/8"-12 | 1-7/8"-12 | **2000** | 1204-24-24 |

## Male Flare x Male NPTF



**Specifications**
- Reference SAE 070102
- Pressure rating at **70°F (21°C)**

| Male JIC 37° Flare | Male NPTF | PSI | Zinc Plated Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 7/16"-20 | 1/8"-27 | **4500** | 2404-4-2 | --- |
| | 1/4"-18 | **4500** | 2404-4-4 | SS2404-4-4 |
| | 3/8"-18 | **4000** | 2404-4-6 | --- |
| | 1/2"-14 | **3000** | 2404-4-8 | --- |
| 1/2"-20 | 1/8"-27 | **4000** | 2404-5-2 | --- |
| 9/16"-18 | 1/8"-27 | **4000** | 2404-6-2 | --- |
| | 1/4"-18 | **4000** | 2404-6-4 | --- |
| | 3/8"-18 | **4000** | 2404-6-6 | SS2404-6-6 |
| | 1/2"-14 | **3000** | 2404-6-8 | --- |
| 3/4"-16 | 1/4"-18 | **4000** | 2404-8-4 | --- |
| | 3/8"-18 | **4000** | 2404-8-6 | --- |
| | 1/2"-14 | **3000** | 2404-8-8 | SS2404-8-8 |
| | 3/4"-14 | **2500** | 2404-8-12 | --- |
| 7/8"-14 | 1/2"-14 | **3000** | 2404-10-8 | --- |
| | 3/4"-14 | **2500** | 2404-10-12 | --- |
| 1-1/16"-12 | 1/2"-14 | **3000** | 2404-12-8 | --- |
| | 3/4"-14 | **2500** | 2404-12-12 | SS2404-12-12 |
| | 1"-11-1/2 | **2000** | 2404-12-16 | --- |
| 1-5/16"-12 | 3/4"-14 | **2500** | 2404-16-12 | --- |
| | 1"-11-1/2 | **2000** | 2404-16-16 | SS2404-16-16 |
| 1-5/8"-12 | 1-1/4"-11-1/2 | **1150** | 2404-20-20 | --- |
| 1-7/8"-12 | 1-1/2"-11-1/2 | **1000** | 2404-24-24 | --- |
| 2-1/2"-12 | 2"-11-1/2 | **1000** | 2404-32-32 | --- |

## Male Flare x Female NPTF



**Specifications**
- Reference SAE 070103
- Pressure rating at **70°F (21°C)**

| Male JIC 37° Flare | Female NPTF | PSI | Zinc Plated Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 7/16"-20 | 1/8"-27 | **4500** | 2405-4-2 | --- |
| | 1/4"-18 | **4500** | 2405-4-4 | SS2405-4-4 |
| 9/16"-18 | 1/4"-18 | **4000** | 2405-6-4 | --- |
| | 3/8"-18 | **4000** | 2405-6-6 | SS2405-6-6 |
| | 1/2"-14 | **3000** | 2405-6-8 | --- |
| 3/4"-16 | 3/8"-18 | **4000** | 2405-8-6 | --- |
| | 1/2"-14 | **3000** | 2405-8-8 | SS2405-8-8 |
| | 3/4"-14 | **2500** | 2405-8-12 | --- |
| 7/8"-14 | 1/2"-14 | **3000** | 2405-10-8 | --- |
| 1-1/16"-12 | 3/4"-14 | **2500** | 2405-12-12 | SS2405-12-12 |
| | 1"-11-1/2 | **2000** | 2405-12-16 | --- |

# Hydraulic Adapters - 37° JIC

## Female Swivel x Male NPTF

**Specification**
- Pressure rating at **70°F (21°C)**

| Female JIC 37° Swivel | Male NPTF Pipe | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 1/8"-27 | **4500** | 6505-4-2 |
| | 1/4"-18 | **4500** | 6505-4-4 |
| 1/2"-20 | 1/4"-18 | **4000** | 6505-5-4 |
| 9/16"-18 | 1/4"-18 | **4000** | 6505-6-4 |
| | 3/8"-18 | **4000** | 6505-6-6 |
| 3/4"-16 | 3/8"-18 | **4000** | 6505-8-6 |
| | 1/2"-14 | **3000** | 6505-8-8 |
| 7/8"-14 | 1/2"-14 | **3000** | 6505-10-8 |
| | 3/4"-14 | **2500** | 6505-10-12 |
| 1-1/16"-12 | 1/2"-14 | **3000** | 6505-12-8 |
| | 3/4"-14 | **2500** | 6505-12-12 |
| 1-5/16"-12 | 3/4"-14 | **2500** | 6505-16-12 |
| | 1"-1/2 | **2000** | 6505-16-16 |
| 1-5/8"-12 | 1-1/4"-11-1/2 | **1150** | 6505-20-20 |
| 1-7/8"-12 | 1-1/2"-11-1/2 | **1000** | 6505-24-24 |
| 2-1/2"-12 | 2"-11-1/2 | **1000** | 6505-32-32 |



## Female Swivel x Female NPTF

**Specification**
- Pressure rating at **70°F (21°C)**

| Female JIC 37° Swivel | Female NPTF | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 1/4"-18 | **4500** | 6506-4-4 |
| | 3/8"-18 | **4000** | 6506-4-6 |
| 9/16"-18 | 1/4"-18 | **4000** | 6506-6-4 |
| | 3/8"-18 | **4000** | 6506-6-6 |
| 3/4"-16 | 1/2"-14 | **3000** | 6506-8-8 |
| 7/8"-14 | 1/2"-14 | **3000** | 6506-10-8 |
| 1-1/16"-12 | 3/4"-14 | **2500** | 6506-12-12 |
| 1-5/16"-12 | 1"-11-1/2 | **2000** | 6506-16-16 |



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## 90° Male Flare Elbows

**Specifications**
- Reference SAE 070201
- Pressure rating at **70°F (21°C)**

| Male JIC 37° Flare | Male JIC 37° Flare | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 7/16"-20 | **5000** | 1234-04-04 |
| 9/16"-18 | 9/16"-18 | **5000** | 1234-06-06 |
| 3/4"-16 | 3/4"-16 | **4500** | 1234-08-08 |
| 7/8"-14 | 7/8"-14 | **3500** | 1234-10-10 |
| 1-1/16"-12 | 1-1/16"-12 | **3500** | 1234-12-12 |
| 1-5/16"-12 | 1-5/16"-12 | **3000** | 1234-16-16 |
| 1-5/8"-12 | 1-5/8"-12 | **2500** | 1234-20-20 |



## 90° Male Flare x Female Flare Swivel Elbows

**Specifications**
- Reference SAE 070221
- Pressure rating at **70°F (21°C)**

| Male 37° JIC Flare | Female 37° JIC Swivel | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 7/16"-20 | **5000** | 6500-4 |
| 9/16"-18 | 9/16"-18 | **5000** | 6500-6 |
| | 7/16"-20 | **5000** | 6500-6-4 |
| | 3/4"-16 | **4500** | 6500-6-8 |
| 3/4"-16 | 3/4"-16 | **4500** | 6500-8 |
| | 9/16"-18 | **4500** | 6500-8-6 |
| | 7/8"-14 | **3500** | 6500-8-10 |
| 7/8"-14 | 7/8"-14 | **3500** | 6500-10 |
| 1-1/16"-12 | 1-1/16"-12 | **3500** | 6500-12 |
| | 7/8"-14 | **3500** | 6500-12-10 |



# Hydraulic Adapters - 37° JIC

## 90° Male Flare x Male NPTF Elbows



**Specifications**
- Reference SAE 070202
- Pressure rating at **70°F (21°C)**

| Male JIC 37° Flare | Male NPTF | PSI | Zinc Plated Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 7/16"-20 | 1/8"-27 | **4500** | 2501-4-2 | --- |
| | 1/4"-18 | **4500** | 2501-4-4 | SS2501-4-4 |
| | 3/8"-18 | **4000** | 2501-4-6 | --- |
| 9/16"-18 | 1/8"-27 | **4000** | 2501-6-2 | --- |
| | 1/4"-18 | **4000** | 2501-6-4 | --- |
| | 3/8"-18 | **4000** | 2501-6-6 | SS2501-6-6 |
| | 1/2"-14 | **3000** | 2501-6-8 | --- |
| 3/4"-16 | 1/4"-18 | **4000** | 2501-8-4 | --- |
| | 3/8"-18 | **4000** | 2501-8-6 | --- |
| | 1/2"-14 | **3000** | 2501-8-8 | SS2501-8-8 |
| | 3/4"-14 | **2500** | 2501-8-12 | --- |
| 7/8"-14 | 1/2"-14 | **3000** | 2501-10-8 | --- |
| | 3/4"-14 | **2500** | 2501-10-12 | --- |
| 1-1/16"-12 | 1/2"-14 | **3000** | 2501-12-8 | --- |
| | 3/4"-14 | **2500** | 2501-12-12 | SS2501-12-12 |
| | 1"-11-1/2 | **2000** | 2501-12-16 | --- |
| 1-5/16"-12 | 3/4"-14 | **2500** | 2501-16-12 | --- |
| | 1"-11-1/2 | **2000** | 2501-16-16 | SS2501-16-16 |
| 1-5/8"-12 | 1"-11-1/2 | **2000** | 2501-20-16 | --- |
| | 1-1/4"-11-1/2 | **1150** | 2501-20-20 | --- |
| 1-7/8"-12 | 1-1/2"-11-1/2 | **1000** | 2501-24-24 | --- |
| 2-1/2"-12 | 2"-11-1/2 | **1000** | 2501-32-32 | --- |

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## 90° Female Swivel x Male NPTF Elbows



**Specification**
- Pressure rating at **70°F (21°C)**

| Female JIC 37° Swivel | Male NPTF | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 1/8"-27 | **4500** | 6501-4-2 |
| | 1/4"-18 | **4500** | 6501-4-4 |
| 1/2"-20 | 1/8"-27 | **4000** | 6501-5-2 |
| 9/16"-18 | 1/4"-18 | **4000** | 6501-6-4 |
| | 3/8"-18 | **4000** | 6501-6-6 |
| 3/4"-16 | 3/8"-18 | **4000** | 6501-8-6 |
| | 1/2"-14 | **3000** | 6501-8-8 |
| 7/8"-14 | 1/2"-14 | **3000** | 6501-10-8 |
| 1-1/16"-12 | 3/4"-14 | **2500** | 6501-12-12 |
| 1-3/16"-12 | 3/4"-14 | **2500** | 6501-14-12 |
| 1-5/16"-12 | 1"-11-1/2 | **2000** | 6501-16-16 |
| 1-5/8"-12 | 1-1/4"-11-1/2 | **1150** | 6501-20-20 |
| 1-7/8"-12 | 1-1/2"-11-1/2 | **1000** | 6501-24-24 |
| 2-1/2"-12 | 2"-11-1/2 | **1000** | 6501-32-32 |

## 45° Male Flare x Female Swivel Elbows



**Specifications**
- Reference SAE 070321
- Pressure rating at **70°F (21°C)**

| Male JIC 37° | Female JIC 37° Swivel | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 7/16"-20 | **4500** | 6502-4 |
| 9/16"-18 | 9/16"-18 | **4000** | 6502-6 |
| 3/4"-16 | 3/4"-16 | **4000** | 6502-8 |
| 7/8"-14 | 7/8"-14 | **3000** | 6502-10 |
| 1 1/16"-12 | 1 1/16"-12 | **3000** | 6502-12 |

# Hydraulic Adapters - 37° JIC

## 45° Male Flare x Male NPTF Elbows

**Specifications**
- Reference SAE 070302
- Pressure rating at **70°F (21°C)**

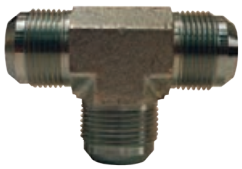
| Male JIC 37° Flare | Male NPTF | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 1/8"-27 | **4500** | 2503-4-2 |
| | 1/4"-18 | **4500** | 2503-4-4 |
| 9/16"-18 | 1/4"-18 | **4000** | 2503-6-4 |
| | 3/8"-18 | **4000** | 2503-6-6 |
| 3/4"-16 | 1/4"-18 | **4000** | 2503-8-4 |
| | 3/8"-18 | **4000** | 2503-8-6 |
| | 1/2"-14 | **3000** | 2503-8-8 |
| 7/8"-14 | 1/2"-14 | **3000** | 2503-10-8 |
| | 3/4"-14 | **2500** | 2503-10-12 |
| 1-1/16"-12 | 3/4"-14 | **2500** | 2503-12-12 |
| 1-5/16"-12 | 3/4"-14 | **2500** | 2503-16-12 |
| | 1"-11-1/2 | **2000** | 2503-16-16 |



## Male Flare Union Tees

**Specifications**
- Reference SAE 070401
- Pressure rating at **70°F (21°C)**

| Male JIC 37° Flare (3) | PSI | Zinc Plated Steel Part # |
|---|---|---|
| 7/16"-20 | **5000** | 2603-4 |
| 9/16"-18 | **5000** | 2603-6 |
| 3/4"-16 | **4500** | 2603-8 |
| 7/8"-14 | **3500** | 2603-10 |
| 1-1/16"-12 | **3500** | 2603-12 |
| 1-5/16"-12 | **3000** | 2603-16 |



## Male Flare x Female Swivel Tees

**Specifications**
- Reference SAE 070433
- Pressure rating at **70°F (21°C)**

| Male JIC 37° Flare (2) | Female JIC 37° Swivel | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 7/16"-20 | **4500** | 6600-4 |
| 9/16"-18 | 9/16"-18 | **4000** | 6600-6 |
| 3/4"-16 | 3/4"-16 | **4000** | 6600-8 |
| 1 1/16"-12 | 1 1/16"-12 | **3000** | 6600-12 |
| 1 5/16"-12 | 1 5/16"-12 | **2500** | 6600-16 |



## Male Flare x Female Swivel Branch Tees

**Specifications**
- Reference SAE 070432
- Pressure rating at **70°F (21°C)**

| Male JIC 37° Flare (2) | Female JIC 37° Swivel | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 7/16"-20 | **4500** | 6602-4 |
| 9/16"-18 | 9/16"-18 | **4000** | 6602-6 |
| 3/4"-16 | 3/4"-16 | **4000** | 6602-8 |
| 7/8"-14 | 7/8"-14 | **3000** | 6602-10 |
| 1-1/16"-12 | 1-1/16"-12 | **3000** | 6602-12 |
| 1-5/16"-12 | 1-5/16"-12 | **2500** | 6602-16 |
| 1-5/8"-12 | 1-5/8"-12 | **2000** | 6602-20 |



## Male Flare x Male NPTF Branch Tees

**Specifications**
- Reference SAE070425
- Pressure rating at **70°F (21°C)**

| Male JIC 37° Flare (2) | Male NPTF | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 1/4"-18 | **5000** | 2601-4-4-4 |
| 9/16"-18 | 1/4"-18 | **5000** | 2601-6-6-4 |
| | 3/8"-18 | **4000** | 2601-6-6-6 |
| 3/4"-16 | 1/2"-14 | **3000** | 2601-8-8-8 |
| 7/8"-14 | 1/2"-14 | **3000** | 2601-10-10-8 |

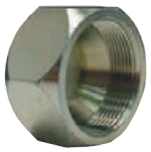




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# Hydraulic Adapters - 37° JIC

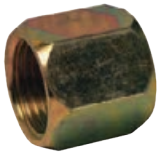
## Flare Caps



**Specifications**
- Reference SAE 070112
- Pressure rating at **70°F (21°C)**

| Female JIC 37° Flare | Tube O.D. | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 5/16"-24 | 1/8" | **5000** | 0304C-2 |
| 7/16"-20 | 1/4" | **5000** | 0304C-4 |
| 9/16"-18 | 3/8" | **5000** | 0304C-6 |
| 3/4"-16 | 1/2" | **4500** | 0304C-8 |
| 7/8"-14 | 5/8" | **3500** | 0304C-10 |
| 1-1/16"-12 | 3/4" | **3500** | 0304C-12 |
| 1-5/16"-12 | 1" | **3000** | 0304C-16 |
| 1-5/8"-12 | 1-1/4" | **2500** | 0304C-20 |
| 1-7/8"-12 | 1-1/2" | **2000** | 0304C-24 |
| 2-1/2"-12 | 2" | **1500** | 0304C-32 |

## Flare Tube Nuts



**Specifications**
- Reference SAE 070110
- Pressure rating at **70°F (21°C)**

| Female JIC 37° Flare | Tube O.D. | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 1/4" | **5000** | 0318-4 |
| 9/16"-18 | 3/8" | **5000** | 0318-6 |
| 3/4"-16 | 1/2" | **4500** | 0318-8 |
| 7/8"-14 | 5/8" | **3500** | 0318-10 |
| 1-1/16"-12 | 3/4" | **3500** | 0318-12 |
| 1-5/16"-12 | 1" | **3000** | 0318-16 |

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## Screw Thread Plugs



**Specifications**
- Reference SAE 070109
- Pressure rating at **70°F (21°C)**

| Male JIC 37° Flare | PSI | Zinc Plated Steel Part # |
|---|---|---|
| 5/16"-24 | **5000** | 1254-02H |
| 7/16"-20 | **5000** | 1254-04H |
| 9/16"-18 | **5000** | 1254-06H |
| 3/4"-16 | **4500** | 1254-08H |
| 7/8"-14 | **3500** | 1254-10H |
| 1-1/16"-12 | **3500** | 1254-12H |
| 1-5/16"-12 | **3000** | 1254-16H |
| 1-5/8"-12 | **2500** | 1254-20H |

## Flare Tube Sleeves



**Specifications**
- Reference SAE 070115
- Pressure rating at **70°F (21°C)**

| Female JIC 37° Flare | PSI | Zinc Plated Steel Part # |
|---|---|---|
| 7/16"-20 | **5000** | 0319-4 |
| 9/16"-18 | **5000** | 0319-6 |
| 3/4"-16 | **4500** | 0319-8 |
| 7/8"-14 | **3500** | 0319-10 |
| 1-1/16"-12 | **3500** | 0319-12 |
| 1-5/16"-12 | **3000** | 0319-16 |

## Flare Bulkhead Unions with Lock Nut



**Specifications**
- Reference SAE 070601
- Pressure rating at **70°F (21°C)**

| Male JIC 37° Flare | PSI | Zinc Plated Steel Part # |
|---|---|---|
| 7/16"-20 | **5000** | 2700LN-4 |
| 9/16"-18 | **5000** | 2700LN-6 |
| 3/4"-16 | **4500** | 2700LN-8 |
| 7/8"-14 | **3500** | 2700LN-10 |

# Hydraulic Adapters - 37° JIC

## Flare 90° Bulkhead Elbow with Lock Nuts

**Specifications**

- Reference SAE 070701
- Pressure rating at **70°F (21°C)**



| Male JIC 37° Flare | PSI | Zinc Plated Steel Part # |
|---|---|---|
| 7/16"-20 | **5000** | 2701LN-4 |
| 9/16"-18 | **5000** | 2701LN-6 |
| 3/4"-16 | **4500** | 2701LN-8 |
| 7/8"-14 | **3500** | 2701LN-10 |
| 1-1/16"-12 | **3500** | 2701LN-12 |
| 1-5/16"-12 | **3000** | 2701LN-16 |

## Flare Bulkhead Lock Nuts

**Specifications**

- Reference SAE 070118
- Pressure rating at **70°F (21°C)**



| Female JIC 37° Bulkhead | Tube O.D. | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 1/4" | **5000** | 0306-4 |
| 9/16"-18 | 3/8" | **5000** | 0306-6 |
| 3/4"-16 | 1/2" | **4500** | 0306-8 |
| 7/8"-14 | 5/8" | **3500** | 0306-10 |
| 1-1/16"-12 | 3/4" | **3500** | 0306-12 |
| 1-5/16"-12 | 1" | **3000** | 0306-16 |

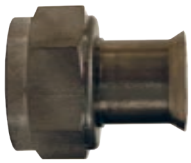
# Weld End Metal Hose Fittings

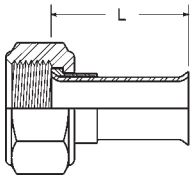
## Straight Female

All fittings have 316 seamless stainless steel tubes

**Specification**

- Pressure rating at **70°F (21°C)**

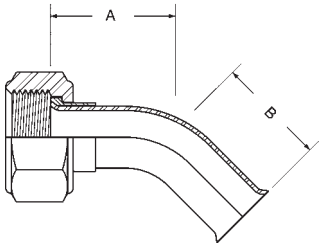





| Female SAE 37° JIC | Tube O.D. | Pressure Rating PSI at 70°F (21°) | Dimension L | Tube Wall | 304 Stainless Steel Nut & Sleeve Part # | Carbon Steel Nut & Sleeve Part # |
|---|---|---|---|---|---|---|
| 7/16" - 20 | 1/4" | **8650** | 1.500" | .049" | SFMF250 | FMF250 |
| 9/16" - 18 | 3/8" | **5550** | 1.500" | .049" | SFMF375 | FMF375 |
| 3/4" - 16 | 1/2" | **4050** | 1.500" | .049" | SFMF500 | FMF500 |
| 1-1/16" - 12 | 3/4" | **2600** | 1.500" | .049" | SFMF750 | FMF750 |
| 1-5/16" - 12 | 1" | **1950** | 2.000" | .049" | SFMF1000 | FMF1000 |
| 1-5/8" - 12 | 1-1/4" | **2050** | 2.375" | .065" | SFMF1250 | FMF1250 |
| 1-7/8" - 12 | 1-1/2" | **1700** | 2.375" | .065" | SFMF1500 | FMF1500 |
| 2-1/2" - 12 | 2" | **1250** | 2.500" | .065" | SFMF2000 | FMF2000 |

## 45° Elbow Female

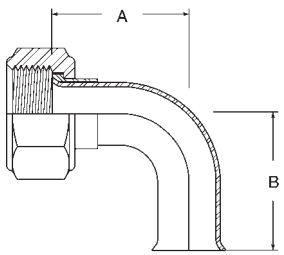





| Female SAE 37° JIC | Tube O.D. | Pressure Rating PSI at 70°F (21°) | Dimension A | Dimension B | Bend Radius | Tube Wall | 304 Stainless Steel Nut & Sleeve Part # | Carbon Steel Nut & Sleeve Part # |
|---|---|---|---|---|---|---|---|---|
| 7/16" - 20 | 1/4" | **5000** | 0.750" | 0.750" | 0.380" | .049" | --- | FMF250-45 |
| 9/16" - 18 | 3/8" | **4500** | 1.000" | 1.000" | 0.500" | .049" | --- | FMF375-45 |
| 3/4" - 16 | 1/2" | **4000** | 1.250" | 1.250" | 1.000" | .049" | SFMF500-45 | FMF500-45 |
| 1-1/16" - 12 | 3/4" | **2600** | 1.450" | 1.450" | 1.500" | .049" | SFMF750-45 | --- |
| 1-5/16" - 12 | 1" | **2500** | 1.800" | 1.800" | 2.000" | .049" | SFMF1000-45 | FMF1000-45 |
| 1-5/8" - 12 | 1-1/4" | **2050** | 2.100" | 2.100" | 2.000" | .065" | --- | FMF1250-45 |
| 1-7/8" - 12 | 1-1/2" | **1700** | 2.300" | 2.300" | 2.000" | .065" | SFMF1500-45 | FMF1500-45 |
| 2-1/2" - 12 | 2" | **1250** | 3.000" | 3.000" | 3.000" | .065" | SFMF2000-45 | FMF2000-45 |

## 90° Elbow Female






| Female SAE 37° JIC | Tube O.D. | Pressure Rating PSI at 70°F (21°) | Dimension A | Dimension B | Bend Radius | Tube Wall | 304 Stainless Steel Nut & Sleeve Part # | Carbon Steel Nut & Sleeve Part # |
|---|---|---|---|---|---|---|---|---|
| 7/16" - 20 | 1/4" | **5000** | 1.000" | 1.000" | 0.375" | .049" | SFMF250-90 | FMF250-90 |
| 9/16" - 18 | 3/8" | **4500** | 1.250" | 1.250" | 0.500" | .049" | SFMF375-90 | FMF375-90 |
| 3/4" - 16 | 1/2" | **4000** | 1.830" | 1.830" | 1.000" | .049" | SFMF500-90 | FMF500-90 |
| 1-1/16" - 12 | 3/4" | **2600** | 2.350" | 2.350" | 1.500" | .049" | SFMF750-90 | FMF750-90 |
| 1-5/16" - 12 | 1" | **2500** | 3.100" | 3.100" | 2.000" | .049" | SFMF1000-90 | FMF1000-90 |
| 1-5/8" - 12 | 1-1/4" | **2050** | 3.500" | 3.500" | 2.000" | .065" | SFMF1250-90 | FMF1250-90 |
| 1-7/8" - 12 | 1-1/2" | **1700** | 3.750" | 3.750" | 2.000" | .065" | SFMF1500-90 | FMF1500-90 |



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# Hydraulic Adapters - NPTF

## Male Hex Pipe Nipples

**Specifications**
- Reference SAE 140137
- Pressure rating at **70°F (21°C)**

| Male NPTF | Male NPTF | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 1/8"-27 | 1/8"-27 | **5000** | 5404-2 |
| 1/4"-18 | 1/4"-18 | **5000** | 5404-4 |
| 3/8"-18 | 3/8"-18 | **4000** | 5404-6 |
| | 1/4"-18 | **4000** | 5404-6-4 |
| 1/2"-14 | 1/2"-14 | **3000** | 5404-8 |
| | 3/8"-18 | **3000** | 5404-8-6 |
| 3/4"-14 | 3/4"-14 | **2500** | 5404-12 |
| | 1/2"-14 | **2500** | 5404-12-8 |
| 1"-11-1/2 | 1"-11-1/2 | **2000** | 5404-16 |
| | 3/4"-14 | **2000** | 5404-16-12 |
| 1-1/4"-11-1/2 | 1-1/4"-11-1/2 | **1150** | 5404-20 |



## Male x Female Hex Reducer Bushings

**Specifications**
- Reference SAE 140140
- Pressure rating at **70°F (21°C)**

| Male NPTF | Female NPTF | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 1/4"-18 | 1/8"-27 | **5000** | 5406-4-2 |
| 3/8"-18 | 1/8"-27 | **4000** | 5406-6-2 |
| | 1/4"-18 | **4000** | 5406-6-4 |
| 1/2"-14 | 1/8"-27 | **3000** | 5406-8-2 |
| | 1/4"-18 | **3000** | 5406-8-4 |
| | 3/8"-18 | **3000** | 5406-8-6 |
| 3/4"-14 | 1/8"-27 | **2500** | 5406-12-2 |
| | 1/4"-18 | **2500** | 5406-12-4 |
| | 3/8"-18 | **2500** | 5406-12-6 |
| | 1/2"-14 | **2500** | 5406-12-8 |
| 1"-11-1/2 | 1/4"-18 | **2000** | 5406-16-4 |
| | 3/8"-18 | **2000** | 5406-16-6 |
| | 1/2"-14 | **2000** | 5406-16-8 |
| | 3/4"-14 | **2000** | 5406-16-12 |
| 1-1/4"-11-1/2 | 3/8"-18 | **1150** | 5406-20-6 |
| | 1/2"-14 | **1150** | 5406-20-8 |
| | 3/4"-14 | **1150** | 5406-20-12 |
| | 1"-11-1/2 | **1150** | 5406-20-16 |
| 1-1/2"-11-1/2 | 1/2"-14 | **1000** | 5406-24-8 |
| | 3/4"-14 | **1000** | 5406-24-12 |
| | 1"-11-1/2 | **1000** | 5406-24-16 |
| | 1-1/4"-11-1/2 | **1000** | 5406-24-20 |
| 2"-11-1/2" | 1/2"-14 | **1000** | 5406-32-8 |
| | 3/4"-14 | **1000** | 5406-32-12 |
| | 1"-11-1/2 | **1000** | 5406-32-16 |
| | 1-1/4"-11-1/2 | **1000** | 5406-32-20 |
| | 1-1/2"-11-1/2 | **1000** | 5406-32-24 |



## 90° Male x Male Elbows

**Specifications**
- Reference SAE 140237
- Pressure rating at **70°F (21°C)**

| Male NPTF | Male NPTF | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 1/4"-18 | 1/4"-18 | **5000** | 5500-4 |
| 3/8"-18 | 3/8"-18 | **4000** | 5500-6 |
| 1/2"-14 | 1/2"-14 | **3000** | 5500-8 |





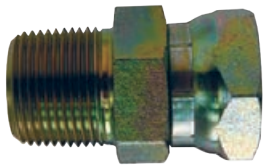
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# Hydraulic Adapters - NPTF

**Features**

- Compact design provides ease of assembly in confining areas
- Designed to prevent hose stress due to twisting during assembly
- Female NPSM swivel seals on a 30° seat
- Male NPTF must have a 30° chamfer to seal

## Male x Female NPSM Swivel Adapters



**Specifications**

- Reference SAE 140130
- Pressure rating at **70°F (21°C)**

| Male NPTF | Female NPSM Swivel | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 1/8"-27 | 1/8"-27 | **5000** | 1404-2-2 |
| | 1/4"-18 | **4500** | 1404-2-4 |
| 1/4"-18 | 1/4"-18 | **4500** | 1404-4-4 |
| | 3/8"-18 | **4000** | 1404-4-6 |
| 3/8"-18 | 1/4"-18 | **4000** | 1404-6-4 |
| | 3/8"-18 | **4000** | 1404-6-6 |
| | 1/2"-14 | **4000** | 1404-6-8 |
| 1/2"-14 | 3/8"-18 | **3000** | 1404-8-6 |
| | 1/2"-14 | **3000** | 1404-8-8 |
| | 3/4"-14 | **3000** | 1404-8-12 |
| 3/4"-14 | 1/2"-14 | **2500** | 1404-12-8 |
| | 3/4"-14 | **2500** | 1404-12-12 |
| 1"-11-1/2 | 1"-11-1/2 | **2000** | 1404-16-16 |
| 1-1/4"-11-1/2 | 1-1/4"-11-1/2 | **1150** | 1404-20-20 |
| 1-1/2"-11-1/2 | 1-1/2"-11-1/2 | **1000** | 1404-24-24 |
| 2"-11-1/2 | 2"-11-1/2 | **1000** | 1404-32-32 |

K

## Female Hex Pipe Couplings



**Specifications**

- Reference SAE 140138
- Pressure rating at **70°F (21°C)**

| Female NPTF | Female NPTF | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 1/8"-27 | 1/8"-27 | **5000** | 5000-2 |
| 1/4"-18 | 1/4"-18 | **5000** | 5000-4 |
| 3/8"-18 | 1/4"-18 | **4000** | 5000-6-4 |
| | 3/8"-18 | **4000** | 5000-6 |
| 1/2"-14 | 3/8"-18 | **3000** | 5000-8-6 |
| | 1/2"-14 | **3000** | 5000-8 |
| 3/4"-14 | 3/4"-14 | **2500** | 5000-12 |
| 1"-11-1/2 | 3/4"-14 | **2000** | 5000-16-12 |
| | 1"-11-1/2 | **2000** | 5000-16 |
| 1-1/4"-11-1/2 | 1-1/4"-11-1/2 | **1150** | 5000-20 |

## Female x Female NPSM Swivel Nuts



**Specifications**

- Reference SAE 140131
- Pressure rating at **70°F (21°C)**

| Female NPTF | Female NPSM Swivel | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 1/8"-27 | 1/8"-27 | **5000** | 1405-2-2 |
| 1/4"-18 | 1/4"-18 | **4500** | 1405-4-4 |
| 3/8"-18 | 1/4"-18 | **4000** | 1405-6-4 |
| | 3/8"-18 | **4000** | 1405-6-6 |
| | 1/2"-14 | **4000** | 1405-6-8 |
| 1/2"-14 | 1/2"-14 | **3000** | 1405-8-8 |
| 3/4"-14 | 1/2"-14 | **2500** | 1405-12-8 |
| | 3/4"-14 | **2500** | 1405-12-12 |
| 1"-11-1/2 | 1"-11-1/2 | **2000** | 1405-16-16 |
| 1-1/4"-11-1/2 | 1-1/4"-111/2 | **1150** | 1405-20-20 |

# Hydraulic Adapters - NPTF

## 90° Male x Female Street Elbows

**Specifications**
- Reference 140239
- Pressure rating at **70°F (21°C)**

| Male NPTF | Female NPTF | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 1/4"-18 | -1/4"-18 | **5000** | 5502-4 |
| 3/8"-18 | 3/8"-18 | **4000** | 5502-6 |
| 1/2"-14 | 1/2"-14 | **3000** | 5502-8 |
| 3/4"-14 | 3/4"-14 | **2500** | 5502-12 |
| 1"-11-1/2 | 1"-11-1/2 | **2000** | 5502-16 |
| 1-1/4"-11-1/2 | 1-1/4"-11-1/2 | **1150** | 5502-20 |



## 90° Male x Female NPSM Swivel Nut Elbows

**Specifications**
- Reference SAE 140230
- Pressure rating at **70°F (21°C)**

| Male NPTF | Female NPSM Swivel | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 1/8"-27 | 1/8"-27 | **5000** | 1501-2-2 |
| 1/4"-18 | 1/4"-18 | **4500** | 1501-4-4 |
| | 3/8"-18 | **4000** | 1501-4-6 |
| 3/8"-18 | 1/4"-18 | **4000** | 1501-6-4 |
| | 3/8"-18 | **4000** | 1501-6-6 |
| | 1/2"-14 | **4000** | 1501-6-8 |
| 1/2"-14 | 3/8"-18 | **3000** | 1501-8-6 |
| | 1/2"-14 | **3000** | 1501-8-8 |
| | 3/4"-14 | **3000** | 1501-8-12 |
| 3/4"-14 | 1/2"-14 | **2500** | 1501-12-8 |
| | 3/4"-14 | **2500** | 1501-12-12 |
| | 1"-11-1/2 | **2000** | 1501-12-16 |
| 1"-11-1/2 | 3/4"-14 | **2000** | 1501-16-12 |
| | 1"-11-1/2 | **2000** | 1501-16-16 |
| | 1-1/4"-11-1/2 | **1150** | 1501-16-20 |
| 1-1/4"-11-1/2 | 1-1/4"-11-1/2 | **1150** | 1501-20-20 |



## 90° Female Pipe Elbows

**Specifications**
- Reference SAE 140237
- Pressure rating at **70°F (21°C)**

| Female NPTF | Female NPTF | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 1/8"-27 | 1/8"-27 | **5000** | 5504-2 |
| 1/4"-18 | 1/4"-18 | **5000** | 5504-4 |
| 3/8"-18 | 3/8"-18 | **4000** | 5504-6 |
| 1/2"-14 | 1/2"-14 | **3000** | 5504-8 |
| 3/4"-14 | 3/4"-14 | **2500** | 5504-12 |
| 1"-11-1/2 | 1"-11-1/2 | **2000** | 5504-16 |



## 90° Female x Female NPSM Swivel Nut Elbows

**Specifications**
- Reference SAE 140251
- Pressure rating at **70°F (21°C)**

| Female NPTF | Female NPSM Swivel | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 1/4"-18 | 1/4"-18 | **4500** | 1502-4-4 |
| 3/8"-18 | 3/8"-18 | **4000** | 1502-6-6 |
| 1/2"-14 | 1/2"-14 | **3000** | 1502-8-8 |
| 3/4"-14 | 3/4"-14 | **2500** | 1502-12-12 |
| 1"-11-1/2 | 1"-11-1/2 | **2000** | 1502-16-16 |



## 45° Male x Female NPSM Swivel Nut Elbows

**Specifications**
- Reference SAE 140330
- Pressure rating at **70°F (21°C)**

| Male NPTF | Female NPSM Swivel | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 1/4"-18 | 1/4"-18 | **4500** | 1503-4-4 |
| 3/8"-18 | 3/8"-18 | **4000** | 1503-6-6 |
| 1/2"-14 | 1/2"-14 | **3000** | 1503-8-8 |



# Hydraulic Adapters - NPTF

## Male Pipe Tees



**Specifications**
- Reference SAE 140437
- Pressure rating at **70°F (21°C)**

| Male NPTF (3) | PSI | Zinc Plated Steel Part # |
|---|---|---|
| 1/4"-18 | **5000** | 5600-4 |
| 3/8"-18 | **4000** | 5600-6 |
| 1/2"-14 | **3000** | 5600-8 |
| 3/4"-14 | **2500** | 5600-12 |
| 1"-11-1/2 | **2000** | 5600-16 |

## Male x Female Pipe Tees



**Specifications**
- Reference SAE 140427
- Pressure rating at **70°F (21°C)**

| Male NPTF (2) | Female NPTF | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 1/4"-18 | 1/4"-18 | **5000** | 5601-4 |
| 3/8"-18 | 3/8"-18 | **4000** | 5601-6 |
| 1/2"-14 | 1/2"-14 | **3000** | 5601-8 |
| 3/4"-14 | 3/4"-14 | **2500** | 5601-12 |
| 1"-11-1/2 | 1"-11-1/2 | **2000** | 5601-16 |

## Female x Male Branch Tees





**Specifications**
- Reference SAE 140425
- Pressure rating at **70°F (21°C)**

| Female NPTF (2) | Male NPTF | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 1/4"-18 | 1/4"-18 | **5000** | 5604-4 |
| 3/8"-18 | 3/8"-18 | **4000** | 5604-6 |
| 1/2"-14 | 1/2"-14 | **3000** | 5604-8 |
| 3/4"-14 | 3/4"-14 | **2500** | 5604-12 |
| 1"-11-1/2 | 1"-11-1/2 | **2000** | 5604-16 |

## Female Pipe Tees



**Specifications**
- Reference 140438
- Pressure rating at **70°F (21°C)**

| Female NPTF (3) | PSI | Zinc Plated Steel Part # |
|---|---|---|
| 1/4"-18 | **5000** | 5605-4 |
| 3/8"-18 | **4000** | 5605-6 |
| 1/2"-14 | **3000** | 5605-8 |
| 3/4"-14 | **2500** | 5605-12 |
| 1"-11-1/2 | **2000** | 5605-16 |

## Male x Female Run Tees



**Specifications**
- Reference 140424
- Pressure rating at **70°F (21°C)**

| Male NPTF | Female NPTF (2) | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 1/8"-27 | 1/8"-27 | **5000** | 5602-2 |
| 1/4"-18 | 1/4"-18 | **5000** | 5602-4 |
| 3/8"-18 | 3/8"-18 | **4000** | 5602-6 |
| 1/2"-14 | 1/2"-14 | **3000** | 5602-8 |
| 3/4"-14 | 3/4"-14 | **2500** | 5602-12 |
| 1"-11-1/2 | 1"-11-1/2 | **2000** | 5602-16 |
| 1-1/4"-11-1/2 | 1-1/4"-11-1/2 | **1150** | 5602-20 |

# Hydraulic Adapters - NPTF

## Female Hex Caps

**Specification**
- Pressure rating at **70°F (21°C)**

| Female NPTF | PSI | Zinc Plated Steel Part # |
|---|---|---|
| 1/8"-27 | **5000** | 5406C-2 |
| 1/4"-18 | **5000** | 5406C-4 |
| 3/8"-18 | **4000** | 5406C-6 |
| 1/2"-14 | **3000** | 5406C-8 |
| 3/4"-14 | **2500** | 5406C-12 |
| 1"-11-1/2 | **2000** | 5406C-16 |
| 1-1/4"-11-1/2 | **1150** | 5406C-20 |
| 1-1/2"-11-1/2 | **1000** | 5406C-24 |



## Male Hex Plugs

**Specifications**
- Reference SAE 130109C
- Pressure rating at **70°F (21°C)**

| Male NPTF | PSI | Zinc Plated Steel Part # |
|---|---|---|
| 1/8"-27 | **5000** | 1251-02H |
| 1/4"-18 | **5000** | 1251-04H |
| 3/8"-18 | **4000** | 1251-06H |
| 1/2"-14 | **3000** | 1251-08H |
| 3/4"-14 | **2500** | 1251-12H |
| 1"-11-1/2 | **2000** | 1251-16H |
| 1-1/4"-11-1/2 | **1150** | 1251-20H |



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## Male JIC 37° Flare x Male Metric Parallel Thread

**Specification**
- Pressure rating at **70°F (21°C)**

| Male JIC 37° Flare | Male Metric Parallel | Zinc Plated Steel Part # |
|---|---|---|
| 7/16"-20 | M10X1.0 | M7400-4-10 |
| | M12X1.5 | M7400-4-12 |
| 9/16"-18 | M14X1.5 | M7400-6-14 |
| | M16X1.5 | M7400-6-16 |
| 3/4"-16 | M16X1.5 | M7400-8-16 |
| | M18X1.5 | M7400-8-18 |
| 1-1/16"-12 | M22X1.5 | M7400-12-22 |
| | M27X2.0 | M7400-12-27 |
| 1-5/16"-12 | M33X2.0 | M7400-16-33 |



## Female Pipe x Male Metric Parallel Thread

**Specification**
- Pressure rating at **70°F (21°C)**

| Female NPTF | Male Metric Parallel | Zinc Plated Steel Part # |
|---|---|---|
| 1/4"-18 | M12X1.5 | M7455-4-12 |
| | M14X1.5 | M7455-4-14 |
| 3/8"-18 | M16X1.5 | M7455-6-16 |
| | M18X1.5 | M7455-6-18 |
| 1/2"-14 | M16X1.5 | M7455-8-16 |
| | M18X1.5 | M7455-8-18 |
| | M22X1.5 | M7455-8-22 |
| 3/4"-14 | M27X2.0 | M7455-12-27 |



## Hydraulic Adapters - British Standard Pipe Parallel (BSPP)

### Male JIC 37° Flare x Male



**Specification**
- Pressure rating at **70°F (21°C)**

| Male JIC 37° Flare | Male BSPP | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 1/4"-19 | **5000** | B3800-4-4 |
| 9/16"-18 | 3/8"-19 | **4000** | B3800-6-6 |
| 3/4"-16 | 1/2"-14 | **3000** | B3800-8-8 |
| 1-1/16"-12 | 3/4"-14 | **2500** | B3800-12-12 |
| 1-5/16"-12 | 1"-11 | **2000** | B3800-16-16 |

### Male NPTF x Male



**Specification**
- Pressure rating at **70°F (21°C)**

| Male NPTF | Male BSPP | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 1/4"-18 | 1/4"-19 | **5000** | B3401-4-4 |
| 3/8"-18 | 3/8"-19 | **4000** | B3401-6-6 |
| 1/2"-14 | 1/2"-14 | **3000** | B3401-8-8 |
| 3/4"-14 | 3/4"-14 | **2500** | B3401-12-12 |
| 1"-11-1/2 | 1"-11 | **2000** | B3401-16-16 |

### Female NPTF x Male

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**Specification**
- Pressure rating at **70°F (21°C)**

| Female NPTF | Male BSPP | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 1/4"-18 | 1/4"-19 | **5000** | B3455-4-4 |
| 3/8"-18 | 3/8"-19 | **4000** | B3455-6-6 |
| 1/2"-14 | 1/2"-14 | **3000** | B3455-8-8 |
| 3/4"-14 | 3/4"-14 | **2500** | B3455-12-12 |
| 1"-11-1/2 | 1"-11 | **2000** | B3455-16-16 |

### Male JIC 37° Flare x Male 90° Elbow



**Specification**
- Pressure rating at **70°F (21°C)**

| Male JIC 37° Flare | Male BSPP | PSI | Zinc Plated Steel Part # |
|---|---|---|---|
| 7/16"-20 | 1/4"-19 | **5000** | B3801-4-4 |
| 9/16"-18 | 3/8"-19 | **4000** | B3801-6-6 |
| 3/4"-16 | 1/2"-14 | **3000** | B3801-8-8 |
| 1-1/16"-12 | 3/4"-14 | **2500** | B3801-12-12 |
| 1-5/16"-12 | 1"-11 | **2000** | B3801-16-16 |

### Bonded Dowty Seal for British Thread



**Specification**
- Pressure rating at **70°F (21°C)**

| Size | Plated Carbon Steel with Nitrile Rubber O-ring Part # |
|---|---|
| 1/4"-19 | BDS04 |
| 3/8"-19 | BDS06 |
| 1/2"-14 | BDS08 |
| 3/4"-14 | BDS12 |

# Hydraulic Adapters - Flareless Bite Fittings

### Applications
- Chemical, pulp and paper, oil and gas refineries, military, air compressors, and machine tools
- Well-suited for a variety of processing and general hydraulic applications

### Features
- Ideally suited for use with tubing having medium to extra heavy wall thicknesses
- 3-piece design with only one ferrule eliminates possible make-up errors that may occur using a twin ferrule tube fitting
- Minimal risk of improper assembly as the ferrule visibly bites into the tubing, allowing installer to visually inspect the bite quality
- Fittings are suitable for sub-zero through elevated temperature applications

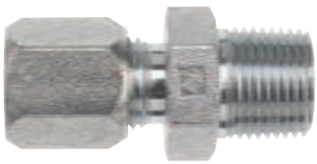
### Specifications
- Temperature rating is limited by the material chosen
- Pressure ratings are determined by the size (O.D.) and wall thickness (inches/mm) of the tubing on which they are to be installed

### Approval
- Exceeds Military (MIL F18866) and SAE J514 standards

### Assembly Instructions
- Cut, deburr and clean tubing
- Pre-set ferrule onto tubing
- Inspect ferrule bite in tubing by disassembling the fitting and visually inspecting the deburred end of tube for slight indentation
- Finger tighten nut and then further wrench tighten nut another 1/3 to 1/2 turn

## Male Tube x Male NPTF Adapters

| Tube O.D. | Male NPTF | Steel Part # |
|---|---|---|
| 1/8" | 1/8" | FLC2404-02 |
| | 1/4" | FLC2404-02-04 |
| 3/16" | 1/8" | FLC2404-03-02 |
| 1/4" | 1/8" | FLC2404-04-02 |
| | 1/4" | FLC2404-04 |
| | 3/8" | FLC2404-04-06 |
| | 1/2" | FLC2404-04-08 |
| 5/16" | 1/8" | FLC2404-05-02 |
| | 1/4" | FLC2404-05-04 |
| 3/8" | 1/8" | FLC2404-06-02 |
| | 1/4" | FLC2404-06-04 |
| | 3/8" | FLC2404-06 |
| | 1/2" | FLC2404-06-08 |
| 1/2" | 1/4" | FLC2404-08-04 |
| | 3/8" | FLC2404-08-06 |
| | 1/2" | FLC2404-08 |
| | 3/4" | FLC2404-08-12 |
| 5/8" | 3/8" | FLC2404-10-06 |
| | 1/2" | FLC2404-10-08 |
| | 3/4" | FLC2404-10-12 |
| 3/4" | 1/2" | FLC2404-12-08 |
| | 3/4" | FLC2404-12 |
| | 1" | FLC2404-12-16 |
| 1" | 3/4" | FLC2404-16-12 |
| | 1" | FLC2404-16 |
| | 1-1/4" | FLC2404-16-20 |
| 1-1/4" | 3/4" | FLC2404-20-12 |
| | 1-1/4" | FLC2404-20 |
| 1-1/2" | 1-1/2" | FLC2404-24 |



## Male Tube x Male 37° JIC

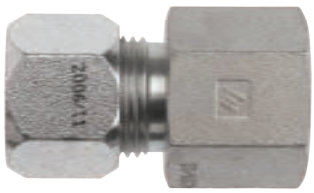
| Tube O.D. | Male 37° JIC | Steel Part # |
|---|---|---|
| 1/4" | 1/4" | FLC2402-04-04 |
| 3/8" | 3/8" | FLC2402-06-06 |
| 1/2" | 1/2" | FLC2402-08-08 |





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## Hydraulic Adapters - Flareless Bite Fittings



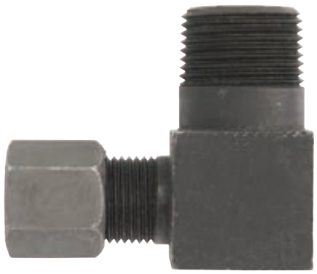
### Male Tube x Female NPTF Adapters

| Tube O.D. | Female NPTF | Steel Part # |
|---|---|---|
| 1/8" | 1/8" | FLC2405-02 |
| 1/4" | 1/8" | FLC2405-04-02 |
| | 1/4" | FLC2405-04 |
| 5/16" | 1/8" | FLC2405-05-02 |
| 3/8" | 1/4" | FLC2405-06-04 |
| | 3/8" | FLC2405-06 |
| 1/2" | 1/4" | FLC2405-08-04 |
| | 3/8" | FLC2405-08-06 |
| | 1/2" | FLC2405-08 |
| 5/8" | 1/2" | FLC2405-10-08 |
| 3/4" | 3/4" | FLC2405-12 |
| 1" | 1" | FLC2405-16 |
| 1-1/4" | 1-1/4" | FLC2405-20 |



### Tube Unions

| Tube O.D. | Steel Part # |
|---|---|
| 1/8" | FLC2403-02 |
| 3/16" | FLC2403-03 |
| 1/4" | FLC2403-04 |
| 5/16" | FLC2403-05 |
| 3/8" | FLC2403-06 |
| 1/2" | FLC2403-08 |
| 5/8" | FLC2403-10 |
| 3/4" | FLC2403-12 |
| 1" | FLC2403-16 |
| 1-1/4" | FLC2403-20 |
| 1-1/2" | FLC2403-24 |



### Male Tube x Male NPTF Adapter 90° Elbows

| Tube O.D. | Male NPTF | Steel Part # |
|---|---|---|
| 1/8" | 1/8" | FLC2501-02 |
| 3/16" | 1/8" | FLC2501-03-02 |
| 1/4" | 1/8" | FLC2501-04-02 |
| | 1/4" | FLC2501-04 |
| | 3/8" | FLC2501-04-06 |
| 5/16" | 1/8" | FLC2501-05-02 |
| | 1/4" | FLC2501-05-04 |
| 3/8" | 1/8" | FLC2501-06-02 |
| | 1/4" | FLC2501-06-04 |
| | 3/8" | FLC2501-06 |
| | 1/2" | FLC2501-06-08 |
| 1/2" | 1/4" | FLC2501-08-04 |
| | 3/8" | FLC2501-08-06 |
| | 1/2" | FLC2501-08 |
| | 3/4" | FLC2501-08-12 |
| 5/8" | 3/8" | FLC2501-10-06 |
| | 1/2" | FLC2501-10-08 |
| 3/4" | 1/2" | FLC2501-12-08 |
| | 3/4" | FLC2501-12 |
| 1" | 3/4" | FLC2501-16-12 |
| | 1" | FLC2501-16 |



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# Hydraulic Adapters - Flareless Bite Fittings

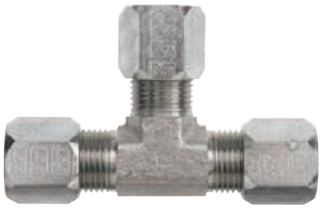
## Male Union 90° Elbows

| Tube O.D. | Steel Part # |
|---|---|
| 1/4" | FLC2500-04 |
| 5/16" | FLC2500-05 |
| 3/8" | FLC2500-06 |
| 1/2" | FLC2500-08 |
| 5/8" | FLC2500-10 |
| 3/4" | FLC2500-12 |
| 1" | FLC2500-16 |
| 1-1/4" | FLC2500-20 |



## Male Tube Union Tees

| Tube O.D. | Steel Part # |
|---|---|
| 1/8" | FLC2603-02 |
| 3/16" | FLC2603-03 |
| 1/4" | FLC2603-04 |
| 5/16" | FLC2603-05 |
| 3/8" | FLC2603-06 |
| 1/2" | FLC2603-08 |
| 5/8" | FLC2603-10 |
| 3/4" | FLC2603-12 |
| 1" | FLC2603-16 |
| 1-1/4" | FLC2603-20 |



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## Ferrules

| Tube O.D. | Steel Part # |
|---|---|
| 1/8" | FLC0319-02 |
| 3/16" | FLC0319-03 |
| 1/4" | FLC0319-04 |
| 5/16" | FLC0319-05 |
| 3/8" | FLC0319-06 |
| 1/2" | FLC0319-08 |
| 5/8" | FLC0319-10 |
| 3/4" | FLC0319-12 |
| 1" | FLC0319-16 |
| 1-1/4" | FLC0319-20 |
| 1-1/2" | FLC0319-24 |



## Nuts

| Tube O.D. | Steel Part # |
|---|---|
| 1/8" | FLC0318-02 |
| 3/16" | FLC0318-03 |
| 1/4" | FLC0318-04 |
| 5/16" | FLC0318-05 |
| 3/8" | FLC0318-06 |
| 1/2" | FLC0318-08 |
| 5/8" | FLC0318-10 |
| 3/4" | FLC0318-12 |
| 1" | FLC0318-16 |
| 1-1/4" | FLC0318-20 |



# Flow Control Valves

## Steel Series-F



**Features**
- Two-step needle provides fine adjustments at low flow with the first three turns of the adjusting knob, the next three turns give full-open needle position and conventional throttling control. When flow is reversed, a heavy-duty poppet/retainer permits full-flow return capacity
- Color-coded reference scale simplifies flow setting, resetting, adjusting, and return to original flow; a simple set screw locks the valve on any desired setting

**Specifications**
- Maximum operating pressure:
  **5000 PSI** at **70°F (21°C)** for 1/8" - 1/2"
  **3000 PSI** at **70°F (21°C)** for 3/4" - 2"

| Female NPTF | Black Oxide Steel Part # |
|---|---|
| 1/8" | SFC200 |
| 1/4" | SFC400 |
| 3/8" | SFC600 |
| 1/2" | SFC800 |
| 3/4" | SFC1200 |
| 1" | SFC1600 |
| 1-1/2" | SFC2400 |
| 2" | SFC3200 |

## Steel Series-N





**Features**
- Excellent speed control on hydraulic systems where a reverse flow check valve is not needed
- Reliable shutoff in a very small envelope; color-coded reference scale simplifies setting, resetting, adjusting, and quick return to a previous speed setting

**Specifications**
- Maximum operating pressure:
  **5000 PSI** at **70°F (21°C)** for 1/8" - 3/4"
  **3000 PSI** at **70°F (21°C)** for 1" - 1-1/4"

| Female NPTF | Steel Part # |
|---|---|
| 1/8" | SN200 |
| 1/4" | SN400 |
| 3/8" | SN600 |
| 1/2" | SN800 |
| 3/4" | SN1200 |
| 1" | SN1600 |
| 1-1/4" | SN2000 |

## Series-MV Metering



**Features**
- Easily make fine adjustments and resets with color code feature that shows when desired setting is reached
- Body components are precision-turned from solid barstock

**Material**
- 416 stainless steel needle

**Specification**
- Maximum operating pressure: **5000 PSI** at **70°F (21°C)**

| Female NPTF | Steel Part # |
|---|---|
| 1/4" | SMV400 |
| 3/8" | SMV600 |
| 1/2" | SMV800 |

## Series-C Check Valves

**Feature**
- Provides free flow in one direction and dependable shutoff in the opposite direction

**Specifications**
- Maximum operating pressure: **2000 PSI** at ambient temperature **70°F (21°C)**
- Cracking pressure: **5 PSI**

| Female NPT | Free Flow GPM | Maximum Operating PSI at 70°F (21°C) | Maximum Operating PSI at 70°F (21°C) | Steel Part # |
|---|---|---|---|---|
| 1/8" | **3** | **2000** | **5000** | SCV200 |
| 1/4" | **5** | **2000** | **5000** | SCV400 |
| 3/8" | **8** | **2000** | **5000** | SCV600 |
| 1/2" | **15** | **2000** | **5000** | SCV800 |



steel

## High Pressure Full-Bore Ball Valves

**Features**
- Blowout proof stem
- Rugged construction

**Materials**
- FKM/FPM seals
- POM (Polyacetal) ball seats

| Female NPT | PSI | Carbon Steel | | PSI | 316 Stainless Steel Part # |
|---|---|---|---|---|---|
| | | Part # | SAE Part # | | |
| 1/4" | **7350** | HPBV25 | HPBV25SAE | **5880** | HPBV25SS |
| 3/8" | **7350** | HPBV38 | HPBV38SAE | **5880** | HPBV38SS |
| 1/2" | **7350** | HPBV12 | HPBV12SAE | **5880** | HPBV12SS |
| 3/4" | **6000** | HPBV34 | HPBV34SAE | **5145** | HPBV34SS |
| 1" | **6000** | HPBV10 | HPBV10SAE | **5145** | HPBV10SS |
| 1-1/4" | **6000** | HPBV125 | HPBV125SAE | --- | --- |
| 1-1/2" | **6000** | HPBV150 | HPBV150SAE | --- | --- |
| 2" | **6000** | HPBV200 | HPBV200SAE | --- | --- |



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## High Pressure Clear Zinc Ball Valves

**Materials**
- Nitrile rubber O-rings
- POM (Polyacetal) ball seats

**Approval**
- RoHS compliant

New

| Female NPT | PSI | Carbon Steel | | PSI |
|---|---|---|---|---|
| | | Part # | SAE Part # | |
| 1/4" | **7350** | HPBV25ZPL | HPBV25SAEZPL | **7350** |
| 3/8" | **7350** | HPBV38ZPL | HPBV38SAEZPL | **7350** |
| 1/2" | **7350** | HPBV12ZPL | HPBV12SAEZPL | **7350** |
| 3/4" | **6000** | HPBV34ZPL | HPBV34SAEZPL | **6000** |
| 1" | **6000** | HPBV10ZPL | HPBV10SAEZPL | **6000** |
| 1-1/4" | **6000** | HPBV125ZPL | HPBV125SAEZPL | **6000** |
| 1-1/2" | **6000** | HPBV150ZPL | HPBV150SAEZPL | **6000** |
| 2" | **6000** | HPBV200ZPL | HPBV200SAEZPL | **6000** |



## High Pressure Full-Bore 3-Way Ball Valves

**Feature**
- Rugged construction

**Specification**
- Temperature range: **-20°F** to **215° F (-29°C** to **102°C)**

**Materials**
- FKM seals
- POM (polyacetal) ball seats
- Black oxide coating
- Nickel plated ball

| Female NPT | PSI | Carbon Steel Part # |
|---|---|---|
| 1/2" | **5145** | HPBV12-3WAY |
| 3/4" | **5145** | HPBV34-3WAY |

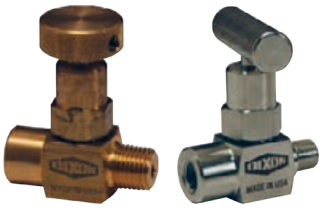


## Mini Needle Valves

**Features**
- Available in a variety of materials and handle options
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- Stem threads are rolled for strength and ease of operation

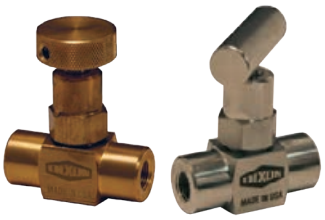
**Material**
- All stems are 316 stainless steel

**Specifications**
- Metal-to-metal hard seat design is 100% helium leak tested to 1 x 10-4 ml/s at **200 PSI**
- 1/8" and 1/4" are orifice size: 0.172", flow coefficient: 0.42
- 1/2": orifice size are 0.187", flow coefficient: 0.44, hex body



### Male to Female

| NPT Size | Handle Style | PSI @ 200°F | Brass Part # | Handle Style | PSI @ 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|---|---|---|
| 1/8" - 27 | knurled knob | **6000** | MFB101 | T design | **10000** | MFC101 | MFS101 |
| 1/4" - 18 | knurled knob | **6000** | MFB102 | T design | **10000** | MFC102 | MFS102 |
| 1/2" - 14 | --- | --- | --- | T design | **10000** | MFC404 | MFS404 |



### Female to Female

| NPT Size | Handle Style | PSI @ 200°F | Brass Part # | Handle Style | PSI @ 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|---|---|---|
| 1/8" - 27 | knurled knob | **6000** | FFB101 | T design | **10000** | FFC101 | FFS101 |
| 1/4" - 18 | knurled knob | **6000** | FFB102 | T design | **10000** | FFC102 | FFS102 |
| 1/2" - 14 | --- | --- | --- | T design | **10000** | FFC404 | FFS404 |

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## Multiport Needle Valves

**Features**
- Reduces the number of gauge and other instrument connections to permanent piping installations, decreasing possible leak paths
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- Stem threads are rolled for strength and ease of operation

**Material**
- All stems are 316 stainless steel

**Specifications**
- Metal-to-metal hard seat design is 100% helium leak tested to 1 x 10-4 ml/s at **200 PSI**
- 1/2" female NPT port
- Orifice size is 0.187", flow coefficient: 0.44



### Hard Seat Male to Female

| NPT Size | Handle Style | PSI @ 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" - 14 | T design | **10000** | MFC204 | MFS204 |
| 3/4" - 14 | T design | **10000** | MFC20604 | MFS20604 |



### Soft Seat Male to Female

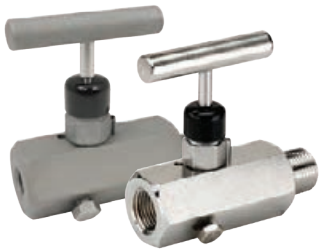
| NPT Size | Handle Style | PSI @ 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" - 14 | T design | **6000** | MFC304 | MFS304 |
| 3/4" - 14 | T design | **6000** | MFC30604 | MFS30604 |

## Block and Bleed Needle Valves

### Features
- Allows pressure to be bled off without disturbing the permanent piping installation, allowing quick and easy removal or replacement of instruments
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- Stem threads are rolled for strength and ease of operation

### Material
- All stems are 316 stainless steel

### Specifications
- Metal-to-metal hard seat design is 100% helium leak tested to 1 x 10-4 ml/s at **200 PSI**
- Orifice size is 0.187", flow coefficient: 0.44
- 0.090" bleed hole located on bottom is controlled by a 1/4"-20 UNF-2A bleed screw



### Hard Seat Male to Female

| NPT Size | Handle Style | PSI at 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" - 18 | T design | **10000** | MFC602 | MFS602 |
| 1/2" - 14 | T design | **10000** | MFC604 | MFS604 |



### Soft Seat Male to Female

| NPT Size | Handle Style | PSI at 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" - 18 | T design | **6000** | MFC702 | MFS702 |
| 1/2" - 14 | T design | **6000** | MFC704 | MFS704 |

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## Bleed Needle Valves

### Features
- Convenient way to relieve process pressures trapped between a shut-off valve and the instrument
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- Stem threads are rolled for strength and ease of operation

### Material
- All stems are 316 stainless steel

### Specifications
- Metal-to-metal hard seat design is 100% helium leak tested to 1 x 10-4 ml/s at **200 PSI**
- Non-rotating soft tip stem and a backup metal-to-metal seal
- 0.159" bleed port



316 stainless

### Hard Seat Male

| NPT Size | Handle Style | PSI at 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" - 18 | T design | **10000** | MC802 | MS802 |
| 1/2" - 14 | T design | **10000** | MC804 | MS804 |



316 stainless

### Soft Tip Male

| NPT Size | Handle Style | PSI at 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" - 18 | T design | **6000** | MC852 | MS852 |
| 1/2" - 14 | T design | **6000** | MC854 | MS854 |

## Hydraulic 4-Bolt Flanges

**Features**

- Flat face flange must be used with O-ring flange
- Code 61 - standard pressure; code 62 - high pressure
- Makes installation of components easier, especially in applications with limited space
- Bolt kit with nitrile rubber O-ring included with O-ring flange
- No bolt kit is included with flat face flange
- Also available in 316L stainless; contact Dixon® for more information



### Hydraulic 4-Bolt Flange NPTF Port

| Port Size | Pad Size | NPTF Thread | Code 61 Carbon Steel | |
|---|---|---|---|---|
| | | | O-ring Part # | Flat Face Part # |
| 1/2" | 1/2" | 1/2"-14 | C6143K0808NPT | C611040808NPT |
| 3/4" | 3/4" | 3/4"-14 | C6143K1212NPT | C611041212NPT |
| 1" | 1" | 1"-11-1/2 | C6143K1616NPT | C611041616NPT |
| 1-1/4" | 1-1/4" | 1-1/4"-11-1/2 | C6143K2020NPT | C611042020NPT |
| 1-1/2" | 1-1/2" | 1-1/2"-11-1/2 | C6143K2424NPT | C611042424NPT |
| 2" | 2" | 2"-11-1/2 | C6143K3232NPT | C611043232NPT |
| 2-1/2" | 2-1/2" | 2-1/2"-8 | C6143K4040NPT | C611044040NPT |
| 3" | 3" | 3"-8 | C6143K4848NPT | C611044848NPT |

| Port Size | Pad Size | NPTF Thread | Code 62 Carbon Steel | |
|---|---|---|---|---|
| | | | O-ring Part # | Flat Face Part # |
| 1/2" | 1/2" | 1/2"-14 | C6244K0808NPT | C62450808NPT |
| 3/4" | 3/4" | 3/4"-14 | C6244K1212NPT | C62451212NPT |
| 1" | 1" | 1"-11-1/2 | C6244K1616NPT | C62451616NPT |
| 1-1/4" | 1-1/4" | 1-1/4"-11-1/2 | C6244K2020NPT | C62452020NPT |
| 1-1/2" | 11/2" | 1-1/2"-11-1/2 | C6244K2424NPT | C62452424NPT |
| 2" | 2" | 2"-11-1/2 | C6244K3232NPT | C62453232NPT |

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### Hydraulic 4-Bolt Flange SAE Port



| Port Size | Pad Size | UN/UNF-2B Thread | Code 61 Carbon Steel | |
|---|---|---|---|---|
| | | | O-ring Part # | Flat Face Part # |
| 1/2" | 1/2" | 3/4"-16 | C6146K0808SAE | C611060808SAE |
| 3/4" | 3/4" | 1-1/16"-12 | C6146K1212SAE | C611061212SAE |
| 1" | 1" | 1-"5/16"-12 | C6146K1616SAE | C611061616SAE |
| 1-1/4" | 1-1/4" | 1-5/16"-12 | C6146K2020SAE | C611062020SAE |
| 11/2" | 1-1/2" | 1-7/8"-12 | C6146K2424SAE | C611062424SAE |
| 2" | 2" | 2-1/2"-12 | C6146K3232SAE [1] | C611063232SAE |

[1] 1000 PSI maximum

| Port Size | Pad Size | UN/UNF-2B Thread | Code 62 Carbon Steel | |
|---|---|---|---|---|
| | | | O-ring Part # | Flat Face Part # |
| 1/2" | 1/2" | 3/4"-16 | C6248K0808SAE | C62490808SAE |
| 3/4" | 3/4" | 1-1/16"-12 | C6248K1212SAE | C62491212SAE |
| 1" | 1" | 1-5/16"-12 | C6248K1616SAE | C62491616SAE |
| 1-1/4" | 1-1/4" | 15/8"-12 | C6248K2020SAE | C62492020SAE |
| 1-1/2" | 1-1/2" | 1-7/8"-12 | C6248K2424SAE | C62492424SAE |
| 2" | 2" | 2-1/2"-12 | C6248K3232SAE | C62493232SAE |

# Hydraulic 4-Bolt Flanges

## Hydraulic 4-Bolt Flange Pipe Socket Weld

| Port Size | Pad Size | Code 61 Carbon Steel | |
|---|---|---|---|
| | | O-ring Part # | Flat Face Part # |
| 1/2" | 1/2" | C614K0808PSW | C61610808PSW |
| 3/4" | 3/4" | C614K1212PSW | C61611212PSW |
| 1" | 1" | C614K1616PSW | C61611616PSW |
| 1-1/4" | 1-1/4" | C614K2020PSW | C61612020PSW |
| 1-1/2" | 1-1/2" | C614K2424PSW | C61612424PSW |
| 2" | 2" | C614K3232PSW | C61613232PSW |
| 2-1/2" | 2-1/2" | C614K4040PSW | C61614040PSW |
| 3" | 3" | C614K4848PSW | C61614848PSW |



| Port Size | Pad Size | Code 62 Carbon Steel | |
|---|---|---|---|
| | | O-ring Part # | Flat Face Part # |
| 1/2" | 1/2" | C6259K0808PSW | C62600808PSW |
| 3/4" | 3/4" | C6259K1212PSW | C62601212PSW |
| 1" | 1" | C6259K1616PSW | C62601616PSW |
| 1-1/4" | 1-1/4" | C6259K2020PSW | C62602020PSW |
| 1-1/2" | 1-1/2" | C6259K2424PSW | C62602424PSW |
| 2" | 2" | C6259K3232PSW | C62603232PSW |
| 2-1/2" | 2-1/2" | C6259K4040PSW | C62604040PSW |
| 3" | 3" | C6259K4848PSW | C62604848PSW |

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# Pressure Ratings of SAE Flanges

## Code 61 SAE J518-1 / ISO6162-1

| Dash Size | Size | Maximum Working Pressure | | Fastener Torque Value |
|---|---|---|---|---|
| | | PSI | MPa | Grade 8 UNC (ft. lbs.) |
| -8 | 1/2" | **5000** | **35** | 24 |
| -12 | 3/4" | **5000** | **35** | 44 |
| -16 | 1" | **4600** | **32** | 44 |
| -20 | 1-1/4" | **4000** | **28** | 68 |
| -24 | 1-1/2" | **3000** | **21** | 111 |
| -32 | 2" | **3000** | **21** | 111 |
| -40 | 2-1/2" | **2500** | **17.5** | 111 |
| -48 | 3" | **2300** | **16** | 218 |
| -56 | 3-1/2" | **500** | **3.5** | 218 |
| -64 | 4" | **500** | **3.5** | 218 |
| -80 | 5" | **500** | **3.5** | 218 |

NOTE: Connection type opposite 4-bolt flange connection can de-rate maximum working pressure.

## Code 62 SAE J518-2 / ISO6162-2

| Dash Size | Size | Maximum Working Pressure | | Fastener Torque Value |
|---|---|---|---|---|
| | | PSI | MPa | Grade 8 UNC (ft. lbs.) |
| -8 | 1/2" | **6000** | **40** | 24 |
| -12 | 3/4" | **6000** | **40** | 44 |
| -16 | 1" | **6000** | **40** | 68 |
| -20 | 1-1/4" | **6000** | **40** | 111 |
| -24 | 1-1/2" | **6000** | **40** | 218 |
| -32 | 2" | **6000** | **40** | 332 |
| -40 | 2-1/2" | **6000** | **40** | 380 |
| -48 | 3" | **6000** | **40** | 667 |

## Code 61 / Code 62 Split Flange Kits



**Features**

- For tube, hose end, and split flange adapter connections
- Kits include (2) split flange halves, (4) hex head screws and lockwashers, (1) nitrile rubber O-ring
- Silver trivalent finish for high corrosion resistance
- Also available in forged 316L stainless; contact Dixon® for more information

| Flange Size | Code 61 Forged Carbon Steel Part # | Code 62 Forged Carbon Steel Part # |
|---|---|---|
| 1/2" | C6108-SFKIT | C6208-SFKIT |
| 3/4" | C6112-SFKIT | C6212-SFKIT |
| 1" | C6116-SFKIT | C6216-SFKIT |
| 1-1/4" | C6120-SFKIT | C6220-SFKIT |
| 1-1/2" | C6124-SFKIT | C6224-SFKIT |
| 2" | C6132-SFKIT | C6232-SFKIT |
| 2-1/2" | C6140-SFKIT | --- |
| 3" | C6148-SFKIT | --- |

## Code 61 / Code 62 Flange Adapters

### Straight Flange x Male JIC Hydraulic Adapter



| JIC Thread | Tube O.D. | Flange Size | Code 61 Carbon Steel Part # | Code 62 Carbon Steel Part # |
|---|---|---|---|---|
| 3/4"-16 | 1/2" | 1/2" | C6100F0808 | --- |
| | | 3/4" | C6100F0812 | --- |
| 1-1/16"-12 | 3/4" | 3/4" | C6100F1212 | C6200F1212 |
| | | 1" | C6100F1216 | C6200F1216 |
| 1-5/16"-12 | 1" | 3/4" | C6100F1612 | C6200F1612 |
| | | 1" | C6100F1616 | C6200F1616 |
| | | 1-1/4" | C6100F1620 | C6200F1620 |
| 1-5/8"-12 | 1-1/4" | 1" | C6100F2016 | C6200F2016 |
| | | 1-1/4" | C6100F2020 | C6200F2020 |
| | | 1-1/2" | C6100F2024 | C6200F2024 |
| 1-7/8"-12 | 1-1/2" | 1-1/4" | C6100F2420 | C6200F2420 |
| | | 1-1/2" | C6100F2424 | C6200F2424 |
| | | 2" | C6100F2432 | C6200F2432 |
| 2-1/2"-12 | 2" | 11/2" | C6100F3224 | C6200F3224 |
| | | 2" | C6100F3232 | C6200F3232 |

### 90° Flange Elbow x Male JIC Hydraulic Adapter



| JIC Thread | Tube O.D. | Flange Size | Code 61 Carbon Steel Part # | Code 62 Carbon Steel Part # |
|---|---|---|---|---|
| 3/4"-16 | 1/2" | 3/4" | C6190F0812 | --- |
| 1-1/16"-12 | 3/4" | 3/4" | C6190F1212 | C6290F1212 |
| | | 1" | C6190F1216 | C6290F1216 |
| 1-5/16"-12 | 1" | 3/4" | C6190F1612 | C6290F1612 |
| | | 1" | C6190F1616 | C6290F1616 |
| | | 1-1/4" | C6190F1620 | C6290F1620 |
| 1-5/8"-12 | 1-1/4" | 1" | C6190F2016 | C6290F2016 |
| | | 1-1/4" | C6190F2020 | C6290F2020 |
| | | 1-1/2" | C6190F2024 | C6290F2024 |
| 1-7/8"-12 | 1-1/2" | 1-1/2" | C6190F2424 | C6290F2424 |
| | | 2" | C6190F2432 | C6290F2432 |
| 2-1/2"-12 | 2" | 1-1/2" | C6190F3224 | C6290F3224 |
| | | 2" | C6190F3232 | C6290F3232 |

### 45° Flange Elbow x Male JIC Hydraulic Adapter



| JIC Thread | Tube O.D. | Flange Size | Code 61 Carbon Steel Part # | Code 62 Carbon Steel Part # |
|---|---|---|---|---|
| 1-1/16"-12 | 3/4" | 3/4" | C6145F1212 | C6245F1212 |
| 1-5/16"-12 | 1" | 1" | C6145F1616 | C6245F1616 |
| 1-5/8"-12 | 1-1/4" | 1-1/4" | C6145F2020 | C6245F2020 |
| 1-7/8"-12 | 1-1/2" | 1-1/2" | C6145F2424 | C6245F2424 |

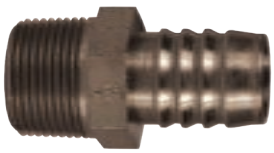
## Hydraulic Suction and Return Line Hose Couplings

**Application**
- Designed for hydraulic suction line applications using SAE100R4 hydraulic hose

**Feature**
- Barbs provide easy assembly and maximum gripping action

### Female SAE Stem

| Hose I.D. | Male NPTF | Plated Steel Part # |
|---|---|---|
| 3/4" | 3/4"-14 | 188-12 |
| 1" | 1"-11-1/2 | 188-16 |
| 1-1/4" | 1-1/4"-11-1/2 | 188-20 |
| 1-1/2" | 1-1/2"-11-1/2 | 188-24 |
| 2" | 2"-11-1/2 | 188-32 |



### Female SAE 37° Swivel Stem

| Hose I.D. | Male NPTF | Plated Steel Part # |
|---|---|---|
| 3/4" | 1-1/16"-12 | 688-12 |
| 1" | 1-5/16"-12 | 688-16 |
| 1-1/4" | 1-5/8"-12 | 688-20 |
| 1-1/2" | 1-7/8"-12 | 688-24 |
| 2" | 2-1/2"-12 | 688-32 |



NOTE: Return line clamps must be used with these fittings

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## Double Bolt Clamps

**Features**
- Inner surface has dual gripping ridges
- Bolt lugs are reinforced to prevent bending out of alignment
- Torque values for clamps are based on dry bolts
- The use of lubricant on bolts will adversely effect clamp performance
- Measure hose O.D. accurately before ordering clamps
- Consult Dixon® when using double bolt clamps on helical wire hose

| Hose O.D. | | Plated Iron Part # | Torque in ft. lbs. | Optional Qty |
|---|---|---|---|---|
| from | to | | | |
| 1-8/64" | 1-12/64" | J48 | 15 | 100 |
| 1-40/64" | 1-52/64" | DL14 | 40 | 25 |
| 1-48/64" | 2-3/64" | DL20 | 27 | 25 |
| 2-7/64" | 2-19/64" | DL24[1] | 27 | 25 |
| 2-20/64" | 2-40/64" | DL32[1] | 40 | 25 |

[1] Investment cast carbon steel



## Hydraulic Hose Stems





**Features**

- Stems have a collar behind the hex to engage clamp fingers
- Reference clamps on page 161

| NPTF Size | Plated Steel Part # |
|---|---|
| 1/2" | HY4 |
| 1" | HY8 |

| NPTF Size | Plated Steel Part # |
|---|---|
| 1-1/4" | HY10 |
| 1-1/2" | HY12 |
| 2" | HY16 |

## Hydraulic Hose Clamps For 1-Wire Hose



**Application**

- For use only on 1-wire hydraulic hoses

| Hose I.D. | Hose O.D. | | Plated Iron Part # | Torque in ft. lbs. |
|---|---|---|---|---|
| | from | to | | |
| 3/8" | 48/64" | 50/64" | HD1-3 | 12 |
| 1/2" | 56/64" | 60/64" | HD1-4 | 18 |
| 3/4" | 1-10/64" | 1-14/64" | HD1-6 | 18 |
| 1" | 1-29/64" | 1-35/64" | HD1-8 | 36 |

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## Hydraulic Hose Clamps For 1- or 2-Wire Hose



**Application**

- For use only on 1- or 2-wire hydraulic hoses

**Feature**

- This clamp should not be used on 4- or 6-wire hydraulic hose even when hose falls within recommended ranges

| Hose I.D. | Hose O.D. | | Plated Iron Part # | Torque in ft. lbs. |
|---|---|---|---|---|
| | from | to | | |
| 3/8" | 50/64" | 52/64" | HRC-037 | 18 |
| 1/2" | 57/64" | 1" | HRC-050 | 18 |
| 3/4" | 1-16/64" | 1-20/64" | HRC-075 | 36 |
| 1" | 1-37/64" | 1-41/64" | HRC-100 | 64 |
| 1-1/4" | 1-54/64" | 1-62/64" | HRC-125 | 90 |
| 1-1/2" | 2-10/64" | 2-18/64" | HRC-150 | 90 |
| 2" | 2-43/64" | 2-52/64" | HRC-200 | 90 |

## Inline Hydraulic Filters



**Features**

- Provides protection for small, high pressure systems
- Installs at the pressure side of a pump
- Conically shaped bronze element positioned by a retaining spring to allow true, uninterrupted flow
- Standard 25 micron bronze element can be easily cleaned or replaced

**Specifications**

- Temperature range: **35°F** to **200°F (2°C** to **93°C)**
- Maximum operating pressure: **3000 PSI**

| Female SAE | Overall Length | Diameter | Plated Steel Part # |
|---|---|---|---|
| 9/16" - 18 | 3-1/4" | 1-1/2" | 9152 |

# Pipe and Tube Clamps

### Application
- Standard hydraulic applications, general pipe construction, electric cables, etc.

### Features
- Clamps are welded in place to secure the pipe or tubing
- Polypropylene cushions reduce wear due to vibration
- Kit includes clamp with weld plate, cover plate, and bolts

### Specifications
- Standard and twin series clamps are recommended for systems with less than **1500 PSI** without dynamic loads
- Heavy duty clamps are recommended for systems with greater than **1500 PSI** operating pressure

## Standard Series

| Pipe Nom. Bore/Tube O.D. | Length | Width | Height | Steel & Polypropylene Part # |
|---|---|---|---|---|
| 1/8" pipe | 1.65" | 1.18" | 1.30" | HST02P |
| 1/4" pipe | 1.89" | 1.18" | 1.54" | HST04P |
| 1/4" tube | 1.65" | 1.18" | 1.30" | HST04T |
| 5/16" tube | 1.65" | 1.18" | 1.30" | HST05T |
| 3/8" pipe | 1.89" | 1.18" | 1.54" | HST06P |
| 3/8" tube | 1.65" | 1.18" | 1.30" | HST06T |
| 1/2" pipe | 2.17" | 1.18" | 1.61" | HST08P |
| 1/2" tube | 1.89" | 1.18" | 1.54" | HST08T |
| 5/8" tube | 1.89" | 1.18" | 1.54" | HST10T |
| 3/4" pipe | 2.44" | 1.18" | 1.89" | HST12P |
| 3/4" tube | 2.17" | 1.18" | 1.61" | HST12T |
| 7/8" tube | 2.17" | 1.18" | 1.61" | HST14T |
| 1" pipe | 2.91" | 1.18" | 2.52" | HST16P |
| 1" tube | 2.17" | 1.18" | 1.61" | HST16T |
| 1-1/4" pipe | 2.91" | 1.18" | 2.52" | HST20P |
| 1-1/4" tube | 2.91" | 1.18" | 2.52" | HST20T |
| 1-1/2" pipe | 3.46" | 1.18" | 2.83" | HST24P |
| 1-1/2" tube | 2.91" | 1.18" | 2.52" | HST24T |
| 2" tube | 3.46" | 1.18" | 2.83" | HST32T |



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## Twin Series

| Pipe Nom. Bore/Tube O.D. | Length | Width | Height | Steel & Polypropylene Part # |
|---|---|---|---|---|
| 1/8" pipe | 1.46" | 1.18" | 1.36" | HTW02P |
| 1/4" pipe | 1.46" | 1.18" | 1.36" | HTW04P |
| 1/4" tube | 1.46" | 1.18" | 1.36" | HTW04T |
| 5/16" tube | 1.46" | 1.18" | 1.36" | HTW05T |
| 3/8" pipe | 2.17" | 1.18" | 1.42" | HTW06P |
| 3/8" tube | 1.46" | 1.18" | 1.36" | HTW06T |
| 1/2" pipe | 2.76" | 1.18" | 1.85" | HTW08P |
| 1/2" tube | 2.17" | 1.18" | 1.42" | HTW08T |
| 5/8" tube | 2.17" | 1.18" | 1.42" | HTW10T |
| 3/4" pipe | 3.35" | 1.18" | 2.05" | HTW12P |
| 3/4" tube | 2.76" | 1.18" | 1.85" | HTW12T |
| 7/8" tube | 2.76" | 1.18" | 1.85" | HTW14T |
| 1" pipe | 4.33" | 1.18" | 2.52" | HTW16P |
| 1" tube | 2.76" | 1.18" | 1.85" | HTW16T |
| 1-1/4" pipe | 4.33" | 1.18" | 2.52" | HTW20P |
| 1-1/4" tube | 4.33" | 1.18" | 2.52" | HTW20T |
| 1-1/2" tube | 4.33" | 1.18" | 2.52" | HTW24T |



## Pipe and Tube Clamps

### Heavy Duty Series



| Pipe Nom. Bore/Tube O.D. | Length | Width | Height | Steel & Polypropylene Part # |
|---|---|---|---|---|
| 1/8" pipe | 2.87" | 1.18" | 1.89" | HHD02P |
| 1/4" pipe | 2.87" | 1.18" | 1.89" | HHD04P |
| 1/4" tube | 2.87" | 1.18" | 1.89" | HHD04T |
| 5/16" tube | 2.87" | 1.18" | 1.89" | HHD05T |
| 3/8" pipe | 2.87" | 1.18" | 1.89" | HHD06P |
| 3/8" tube | 2.87" | 1.18" | 1.89" | HHD06T |
| 1/2" pipe | 3.35" | 1.18" | 2.52" | HHD08P |
| 1/2" tube | 2.87" | 1.18" | 1.89" | HHD08T |
| 5/8" tube | 2.87" | 1.18" | 1.89" | HHD10T |
| 3/4" pipe | 3.35" | 1.18" | 2.52" | HHD12P |
| 3/4" tube | 3.35" | 1.18" | 2.52" | HHD12T |
| 7/8" tube | 3.35" | 1.18" | 2.52" | HHD14T |
| 1" pipe | 3.94" | 1.18" | 2.99" | HHD16P |
| 1" tube | 3.35" | 1.18" | 2.52" | HHD16T |
| 1-1/4" pipe | 5.51" | 1.77" | 4.33" | HHD20P |
| 1-1/4" tube | 3.94" | 1.18" | 2.99" | HHD20T |
| 1-1/2" pipe | 5.51" | 1.77" | 4.33" | HHD24P |
| 1-1/2" tube | 3.94" | 1.18" | 2.99" | HHD24T |
| 2" pipe | 5.51" | 1.77" | 4.33" | HHD32P |
| 2" tube | 5.51" | 1.77" | 4.33" | HHD32T |

**Holedall .....572 - 593**
Coupling machines .....572
Recommended working pressures .....573
External swage..... 574 - 579
Stems..... 575 - 576
Flange assemblies .....576
Female ends .....577
Uni-range male couplings .....577
Ferrules..... 578 - 579
High pressure couplings .....579
Internal expansion ..... 580 - 581
Stems..... 580 - 581
Ferrules .....581
Holedall Petroleum style..... 582 - 583
Couplings .....582
Ferrules .....583
API Certified Holedall Petroleum attached..... 584 - 585
Couplings .....584
Ferrules .....585
Washers .....586
HB coupling expander machine .....586
Pump hose couplings .....586
Dubl-Grip field attachable couplings.....587
CIP internal expansion sanitary style .....588
Sanitary style..... 588 - 590
Stems..... 588 - 589
Threaded hex nuts.....589
Flow Chief ferrules .....590
Sanitary King Crimp® stems .....591
DIN external crimp stems .....591
Dixon Sanitary crimp stems .....592
Dixon Sanitary crimp ferrules .....593

## Holedall Coupling Machines

Rams are powerful, finely engineered machines designed specifically to externally swage and internally expand Holedall couplings by hydraulic pressure, securely attaching Holedall couplings to hose. Since each ram generates all the hydraulic pressure required to attach the Holedall coupling, one person can easily operate the equipment.

### 15 Ton Ram



**Application**
- For internally expanded couplings only

**Features**
- Can expand 1" through 3" steel fittings and 5/8" through 4" brass Holedall petroleum fittings
- Bench-mounted model (optional stand available)

**Specifications**
- Produces up to **10,000 PSI**, for up to 15 tons of ram force
- Motor: 1/2 h.p., 115 volt, 60 cycle, single phase with foot pedal

### 25 Ton Ram



**Features**
- Freestanding model
- High-speed pump kit option is available

**Specifications**
- Can externally swage 1/4" through 4" I.D. hose and internally expand 5/8" through 4" I.D. hose with proper equipment
- Produces up to **10,000 PSI** of line pressure for up to 25 tons of ram force
- Motor is 1/2 h.p., 115 volt 60 cycle, single phase with foot pedal

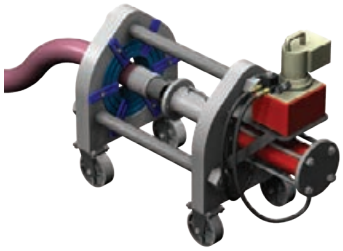
### 50 Ton Ram



**Features**
- Can externally swage 1-1/4" through 6" I.D. hose and internally expand 1" through 6" I.D. hose with proper equipment
- Bench-mounted model (optional stand available)

**Specifications**
- Produces up to **10,000 PSI**, for up to 50 tons of ram force
- Motor is 1-1/8 h.p., 115 volt, 60 cycle, single phase

### 100 Ton Ram



**Application**
- For externally swaging Holedall fittings to hose, sizes 1-1/4" through 10" I.D.

**Feature**
- Optional accessories allow the ram to be used for internally expanded couplings on hose from 1" through 6"

**Specifications**
- Capable of producing up to 100 tons of ram force
- Motor: 1-1/8 h.p., 115 volt, 60 cycle, single phase motor is standard with remote (220/440 volt motors are available)

### 350 Ton Ram



**Application**
- For externally swaging Holedall and rotary fittings

**Features**
- 14" 150 lb. flange will fit through the bed plate
- Ram has 36" of stroke
- Motor: 12-1/2 h.p., 230 volt, 60Hz, 3-phase motor is standard with remote

**Specification**
- Produces up to 354 tons of ram force for swaging

All rams require dies of the proper size to reduce the ferrule to the proper diameter for a good grip on the hose. Pushers of the proper size must be used on the end of the ram to push the Holedall fitting through the die. Die and pusher selection depends on the sizes and types of hoses being coupled. Ferrule recommendations are available upon



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## Recommended Working Pressures

**⚠WARNING** Holedall couplings, regardless of coupling style, are never to be used for steam service at any pressure. Holedall fittings listed below are not to be used with cable reinforced high-pressure hose, 4- or 6-braid wire hydraulic hose or any other service not listed in recommendations. In addition, internally expanded Holedall couplings are not to be used with plastic-lined chemical hose. Consult Dixon® for recommendations on usage.

Holedall couplings (externally swaged), to perform satisfactorily, must be applied properly in accordance with Dixon assembly procedures, using the correct die and ferrule for that particular hose end O.D.. The Dixon die and ferrule recommendation guide is to be used to select correct dies and ferrules. If you do not have the updated die and ferrule recommendation guide, consult Dixon. Strict adherence to ferrule O.D. range (internally expanded) for each hose end to be assembled is essential for satisfactory performance.

Note: Hose service working pressure (including surges and spikes) is never to exceed the maximum recommended working pressure for the fitting (reference chart below)[2]. Media being transported through the hose should be compatible with the stem material. Compatibility of ferrule material with the environment in which it will be used is recommended. Consult the Compatibility Chart on dixonvalve.com or contact Dixon for material compatibility. For applications other than the ones listed, please consult Dixon.

| | Externally Swaged | | | | | | Internally Expanded | |
|---|---|---|---|---|---|---|---|---|
| Size | Standard Fittings[1] | Long Style Fittings[1] | Light Duty Fittings | | Cam and Groove[1] | Holedall DIN Crimp Stems[1] | Internally Expanded[1] | Flow Chief / Crimp Sanitary Fittings[1] |
| | | | NO Notched Fittings[1] | NOS Notched Short Fittings[1] | | | | |
| | TM, TP, TG, TMR, TPR, TGR | TML, TPL, TGL | TM, TP, TG, RN•••NO | RST•••NOS, STC•••NOS, GAS••••NOS | | HA•••• | IXM, IXV, IXH | IXSE, IXFS, IXMS, CSSR |
| 3/4" | --- | --- | --- | --- | --- | --- | --- | --- |
| 1" | --- | --- | --- | --- | **250** | --- | --- | --- |
| 1-1/4" | **600** | **1,000** | **350** | --- | --- | --- | **800** | --- |
| 1-3/8" | --- | --- | --- | --- | --- | --- | --- | --- |
| 1-1/2" | **600** | **1,000** | **350** | **250** | **250** | **145** | **800** | **250** |
| 2" | **600** | **1,000** | **350** | **250** | **250** | **145** | **800** | **250** |
| 2-1/2" | **600** | **1,000** | **250** | --- | **150** | --- | **600** | **250** |
| 3" | **600** | **1,000** | **250** | **250** | **125** | **145** | **600[3]** | **250** |
| 4" | **500** | **850** | **250** | [4] | **100** | --- | **500[3]** | **200** |
| 5" | **450** | **750** | --- | --- | --- | --- | --- | --- |
| 6" | **400** | **700** | --- | --- | --- | --- | **400** | --- |
| 8" | **350** | **600** | --- | --- | --- | --- | --- | --- |
| 10" | **300** | **550** | --- | --- | --- | --- | --- | --- |

[1] Maximum recommended working pressures, in **PSI**, given at **70°F** ambient temperature
[2] The assembly's (hose + coupling) maximum working pressure is the lesser of:
1) The hose rated working pressure, or
2) The coupling rated working pressure
[3] For hoses which use IXF48-3 to IXF48-5 and IXF64-2 to IXF64-5, consult Dixon for working pressures. See notes below for specific recommendations
[4] Contact Dixon for pressure reccomendations

### Standard Fittings
Recommended for use on most 1- and 2-wire braid reinforced hoses, fiber reinforced (braided or spiraled) with or without helical wire such as: oil suction and discharge hose, barge and dock loading and unloading hose, as well as LP gas hose, anhydrous ammonia hose, acid chemical hose, and high pressure air and water hose.

### Long Style Fittings
Recommended for use on hose as listed under standard fittings where additional retention is required due to higher working pressures or end pull. Consult maximum working pressure chart or call Dixon.

### Light-Duty Fittings
Recommended for use in the same applications as standard fittings above where lower working pressures are encountered. Consult maximum working pressure chart or consult Dixon.

### Internally Expanded Fittings
Recommended for concrete placement, grout and plaster, food, dairy, pharmaceutical as well as other applications where

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## Holedall External Swage Coupling System

The Holedall coupling system provides outstanding strength, durability, and safety.

The Holedall system is a method of attaching couplings to hose utilizing a progressive swage. The patented Holedall couplings include a Holedall stem and a specially engineered ferrule. The hydraulic swaging of the coupling to the hose is accomplished by pushing the ferrule through a die which reduces the ferrule O.D., thus providing a 360° uninterrupted compression band around the hose.

A hydraulic ram is the only piece of machinery necessary to accomplish the coupling. Available in five different sizes - 15, 25, 50, 100, and 350 ton see page 572 - these rams will accommodate dies and pushers of various sizes so that hoses up to 10" in diameter may be coupled.

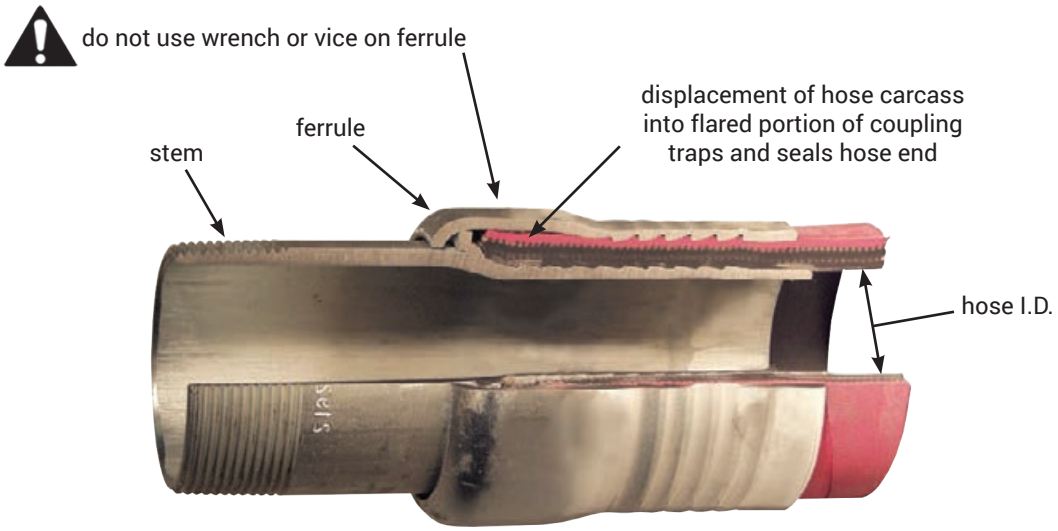
This multi-purpose, high pressure coupling system requires no bolts and results in a clean coupling with no protrusions. The swaging operation is fast and hose of various lengths and different styles can be coupled. Ease of operation, flexibility and economy make the Holedall method an unequalled assembly system.

### Features

- Provides long-lasting efficiency and safety
- Lightweight coupling consisting of ferrule and stem
- Streamlined, no protrusions to snag on equipment
- Available in stainless steel and carbon steel
- Available in multiple configurations: pipe thread, plain end, grooved, or flanged ends

Holedall stems and ferrules are specifically designed to be used together as a coupling system. Due to differences in dimensions and tolerances, for safety reasons, do not use other manufacturers' stems or ferrules with Holedall products.






cross-section of Holedall externally swaged assembly

# External Swage Stems

## Male NPT End Tubular Type

**Features**

- Designed for hose I.D.s 1-1/4" - 10"; ferrule size depends on the hose O.D.. Refer to page 578 to select the correct ferrule
- For higher working pressure applications use long style stems and ferrules

| Hose I.D. | Plated Carbon Steel Part # | 316 Stainless Part # | Long Style Carbon Steel Part # |
|---|---|---|---|
| 1-1/4" | TM20 | TMR20 | TML20 |
| 1-1/2" | TM24 | TMR24 | TML24 |
| 2" | TM32 | TMR32 | TML32 |
| 2-1/2" | TM40 | TMR40 | TML40 |
| 3" | TM48 | TMR48 | TML48 |
| 4" | TM64 | TMR64 | TML64 |
| | --- | TMR64-42 | --- |
| 5" | TM80 | --- | TML80 |
| 6" | TM96 | TMR96 | TML96 |
| | --- | TMR96-42 | --- |
| 8" | TM128 | --- | TML128 |
| 10" | TM160 | --- | --- |



## Beveled End for Welding

| Hose I.D. | Unplated Carbon Steel Part # | 316 Stainless Steel Part # | Long Style Unplated Carbon Steel Part # |
|---|---|---|---|
| 1-1/4" | TP20 | --- | TPL20 |
| 1-1/2" | TP24 | --- | TPL24 |
| 2" | TP32 | TPR32 | TPL32 |
| 2-1/2" | TP40 | --- | TPL40 |
| 3" | TP48 | TPR48 | TPL48 |
| 4" | TP64 | TPR64 | TPL64 |
| | TP64-42 | --- | TPL64-42 |
| 5" | TP80 | --- | TPL80 |
| 6" | TP96 | --- | TPL96 |
| 8" | TP128 | --- | TPL128 |
| 10" | TP160 | --- | TPL160 |



L

## Grooved End

| Hose I.D. | Plated Carbon Steel Part # | 316 Stainless Part # | Long Style Plated Carbon Steel Part # |
|---|---|---|---|
| 1-1/4" | TG20 | --- | TGL20 |
| 1-1/2" | TG24 | TGR24 | TGL24 |
| 2" | TG32 | TGR32 | TGL32 |
| 2-1/2" | TG40 | TGR40 | TGL40 |
| 3" | TG48 | TGR48 | TGL48 |
| 4" | TG64 | TGR64 | TGL64 |
| | TG64-42 | --- | TGL64-42 |
| 5" | TG80 | --- | TGL80 |
| 6" | TG96 | --- | TGL96 |
| 8" | TG128 | --- | TGL128 |
| 10" | TG160 | --- | TGL160 |





## Special Holedall Stems

| Hose I.D. | Material | Thread | Part # |
|---|---|---|---|
| 4" | carbon steel | NPT | TM64-42 |
| | carbon steel | | TML64-42 |
| 6" | unplated carbon steel | NPT | TM96-42 |
| | 316 stainless | | TMR96-42 |
| | carbon steel | | TML96-42 |
| | unplated carbon steel | beveled | TP96-42 |
| | 316 stainless | | TPR96-42 |
| | carbon steel | grooved | TGL96-42 |
| | carbon steel | | TG96-42 |
| 8" | unplated carbon steel | NPT | TM128-42 |
| | carbon steel | beveled | TP128-42 |
| | carbon steel | grooved | TG128-42 |

NOTE: Use with external swage ferrules on page 578

## External Swage

### Flange Assemblies

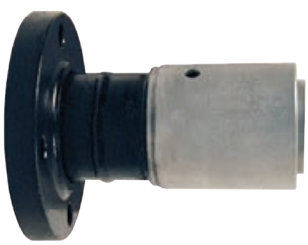
**Features**

- 150# ASA flange drilling available with carbon steel stem, flange, and ferrule, or with 316 stainless steel stem and flange and carbon steel ferrule
- Available in other sizes; consult Dixon®



### Fixed Flange

| Hose I.D. | Hose O.D. | | Carbon Steel Part # | Stainless Steel Part # |
|---|---|---|---|---|
| | From | To | | |
| 2" | 2-28/64" | 2-40/64" | 32P1SO15 | R32P1SOR15 |
| | 2-41/64" | 2-48/64" | 32P2SO15 | R32P2SOR15 |
| | 2-49/64" | 2-56/64" | 32P3SO15 | R32P3SOR15 |
| 3" | 3-30/64" | 3-40/64" | 48P1SO15 | R48P1SOR15 |
| | 3-41/64" | 3-48/64" | 48P2SO15 | R48P2SOR15 |
| | 3-49/64" | 3-56/64" | 48P3SO15 | R48P3SOR15 |
| 4" | 4-40/64" | 4-44/64" | 64P1SO15 | R64P1SOR15 |
| | 4-45/64" | 4-52/64" | 64P2SO15 | R64P2SOR15 |
| | 4-53/64" | 4-60/64" | 64P3SO15 | R64P3SOR15 |
| 6" | 7" | 7-4/64" | 96P1SO15 | R96P1SOR15 |
| | 7-5/64" | 7-12/64" | 96P2SO15 | R96P2SOR15 |
| | 7-13/64" | 7-20/64" | 96P3SO15 | R96P3SOR15 |
| 8" | 9-20/64" | 9-24/64" | 128P1SO15 | --- |
| | 9-25/64" | 9-32/64" | 128P2SO15 | --- |
| | 9-33/64" | 9-40/64" | 128P3SO15 | --- |



### Floating Flange

| Hose I.D. | Hose O.D. | | Carbon Steel Part # | Stainless Steel Part # |
|---|---|---|---|---|
| | From | To | | |
| 2" | 2-28/64" | 2-40/64" | 32P1LJ15 | R32P1LJR15 |
| | 2-41/64" | 2-48/64" | 32P2LJ15 | R32P2LJR15 |
| | 2-49/64" | 2-56/64" | 32P3LJ15 | R32P3LJR15 |
| 3" | 3-30/64" | 3-40/64" | 48P1LJ15 | R48P1LJR15 |
| | 3-41/64" | 3-48/64" | 48P2LJ15 | R48P2LJR15 |
| | 3-49/64" | 3-56/64" | 48P3LJ15 | R48P3LJR15 |
| 4" | 4-40/64" | 4-44/64" | 64P1LJ15 | R64P1LJR15 |
| | 4-45/64" | 4-52/64" | 64P2LJ15 | R64P2LJR15 |
| | 4-53/64" | 4-60/64" | 64P3LJ15 | R64P3LJR15 |
| 6" | 7" | 7-4/64" | 96P1LJ15 | R96P1LJR15 |
| | 7-5/64" | 7-12/64" | 96P2LJ15 | R96P2LJR15 |
| | 7-13/64" | 7-20/64" | 96P3LJ15 | R96P3LJR15 |
| 8" | 9-20/64" | 9-24/64" | 128P1LJ15 | --- |
| | 9-25/64" | 9-32/64" | 128P2LJ15 | --- |
| | 9-33/64" | 9-40/64" | 128P3LJ15 | --- |

NOTE: For flange dimensions, diagrams and additional information, please



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## External Swage Stems - Female End

| Size | Hose O.D. | | Plated Carbon Steel Part # |
|---|---|---|---|
| | from | to | |
| 1" | 1-30/64" | 1-34/64" | TF16WF1-80 |
| | 1-34/64" | 1-38/64" | TF16WF2-80 |
| | 1-35/64" | 1-42/64" | TF16WF3-80 |
| 1-1/4" | 1-44/64" | 1-48/64" | --- |
| | 1-49/64" | 1-56/64" | TF20WF2-80[1] |
| | 1-57/64" | 2" | TF20WF3-80[1] |
| 2" | 2-36/64" | 2-40/64" | TF32WF1-80[1] |
| | 2-41/64" | 2-48/64" | TF32WF2-80[1] |
| | 2-49/64" | 2-56/64" | TF32WF3-80[1] |

[1] Special pusher required for 1-1/4" and 2" sizes: 1-1/4" 25PUSH125-MOD, 2" 25PUSH200MOD



two piece design
1"



one piece design
1-1/4" - 2"

## External Swage Uni-Range Male Couplings

### Applications

- Recommended for use on most 1- or 2-wire braid reinforced hoses, fiber reinforced (braided or spiral) with or without helical wire such as chemical, high pressure air and water hoses, and LP gas hoses

### Features

- Designed for smaller hose systems, hose I.D.s of 1/4" - 1"
- Shipped complete with factory assembled stem and ferrule combination
- Can be swaged or crimped
- Stainless steel stems are investment cast
- Other hose O.D.s available; consult Dixon®

| Hose I.D. | Hose I.D. | | Plated Carbon Steel Part # | Stainless / Carbon Steel Part # | Stainless Steel Part # |
|---|---|---|---|---|---|
| | From | To | | | |
| 1/4" | 34/64" | 38/64" | 4P1 | --- | --- |
| | 38/64" | 42/64" | 4P2 | --- | --- |
| | 42/64" | 46/64" | 4P3 | --- | --- |
| 3/8" | 46/64" | 50/64" | 6P1 | --- | --- |
| | 50/64" | 54/64" | 6P2 | --- | --- |
| | 54/64" | 58/64" | 6P3 | --- | --- |
| 1/2" | 54/64" | 58/64" | 8P1 | --- | --- |
| | 58/64" | 62/64" | 8P2 | --- | R8P2SS |
| | 62/64" | 1-2/64" | 8P3 | --- | --- |
| 3/4" | 1-6/64" | 1-12/64 | --- | --- | R12P1250 |
| | 1-10/64" | 1-14/64" | 12P1 | R12P1 | --- |
| | 1-13/64 | 1-22/64 | --- | --- | R12P1370 |
| | 1-14/64" | 1-18/64" | 12P2 | R12P2 | --- |
| | 1-18/64" | 1-22/64" | 12P3 | R12P3 | --- |
| 1" | 1-30/64" | 1-34/64" | 16P1 | R16P1 | --- |
| | 1-30/64" | 1-38/64" | --- | --- | R16P1620 |
| | 1-34/64" | 1-38/64" | 16P2 | R16P2 | --- |
| | 1-38/64" | 1-42/64" | 16P3 | R16P3 | --- |
| | 1-38/64" | 1-46/64" | --- | --- | R16P1770 |
| | 1-42/64" | 1-46/64" | 16P4 | R16P4 | --- |



## External Swage Ferrules

The selection of ferrules is very important to achieve the proper coupling-to-hose assembly. For assistance in proper selection, contact Dixon®.

**Features**

- Style F ferrules are used with all standard length stems, page 575
- Style FL ferrules are extra long and are used with all long style stems, page 575

**Material**

- Plated carbon steel





long style

| Size | Hose O.D. | | Plated Carbon Steel Part # | Plated Carbon Steel Long Style Part # |
|---|---|---|---|---|
| | From | To | | |
| 1-1/4" | 1-44/64" | 1-48/64" | F20-1 | FL20-1 |
| | 1-49/64" | 1-56/64" | F20-2 | FL20-2 |
| | 1-57/64" | 2" | F20-3 | FL20-3 |
| | 2-1/64" | 2-8/64" | F20-4 | FL20-4 |
| 1-1/2" | 1-58/64" | 2" | F24-1 | FL24-1 |
| | 2-1/64" | 2-8/64" | F24-2 | FL24-2 |
| | 2-9/64" | 2-16/64" | F24-3 | FL24-3 |
| | 2-17/64" | 2-24/64" | F24-4 | FL24-4 |
| | 2-25/64" | 2-32/64" | F24-5 | FL24-5 |
| 2" | 2-28/64" | 2-40/64" | F32-1 | FL32-1 |
| | 2-41/64" | 2-48/64" | F32-2 | FL32-2 |
| | 2-49/64" | 2-56/64" | F32-3 | FL32-3 |
| | 2-57/64" | 3-2/64" | F32-4 | FL32-4 |
| 2-1/2" | 2-62/64" | 3-8/64" | F40-1 | FL40-1 |
| | 3-9/64" | 3-16/64" | F40-2 | FL40-2 |
| | 3-17/64" | 3-24/64" | F40-3 | FL40-3 |
| | 3-25/64" | 3-32/64" | F40-4 | FL40-4 |
| | 3-33/64" | 3-40/64" | F40-5 | FL40-5 |
| 3" | 3-30/64" | 3-40/64" | F48-1 | FL48-1 |
| | 3-41/64" | 3-48/64" | F48-2 | FL48-2 |
| | 3-49/64" | 3-56/64" | F48-3 | FL48-3 |
| | 3-57/64" | 4" | F48-4 | FL48-4 |
| | 4-1/64" | 4-8/64" | F48-5 | FL48-5 |
| 4" | 4-30/64" | 4-39/64" | F64-Z[1] | FL64-Z[1] |
| | 4-40/64" | 4-44/64" | F64-1 | FL64-1 |
| | 4-45/64" | 4-52/64" | F64-2 | FL64-2 |
| | 4-53/64" | 4-60/64" | F64-3 | FL64-3 |
| | 4-61/64" | 5-4/64" | F64-4 | FL64-4 |
| | 5-5/64" | 5-12/64" | F64-5 | FL64-5 |
| | 5-13/64" | 5-20/64" | F64-6 | FL64-6 |
| | 5-21/64 | 5-28/64" | F64-7 | FL64-7 |
| | 5-29/64" | 5-36/64" | F64-8 | FL64-8 |
| 5" | 5-56/64" | 5-60/64" | F80-1 | FL80-1 |
| | 5-61/64" | 6-4/64" | F80-2 | FL80-2 |
| | 6-5/64" | 6-12/64" | F80-3 | FL80-3 |
| | 6-13/64" | 6-20/64" | F80-4 | FL80-4 |
| | 6-21/64" | 6-28/64" | F80-5 | FL80-5 |
| | 6-29/64" | 6-38/64" | F80-6 | FL80-6 |
| | 6-37/64" | 6-44/64" | F80-7 | FL80-7 |
| 6" | 6-44/64" | 6-63/64" | F96-Z[1] | FL96-Z[1] |
| | 7" | 7-4/64" | F96-1 | FL96-1 |
| | 7-5/64" | 7-12/64" | F96-2 | FL96-2 |
| | 7-13/64" | 7-20/64" | F96-3 | FL96-3 |
| | 7-21/64" | 7-28/64" | F96-4 | FL96-4 |
| | 7-29/64" | 7-36/64" | F96-5 | FL96-5 |
| | 7-37/64" | 7-44/64" | F96-6 | FL96-6 |
| | 7-45/64" | 7-52/64" | F96-7 | FL96-7 |
| | 7-53/64" | 7-60/64" | F96-8 | FL96-8 |
| | 7-61/64" | 8" | F96-9 | FL96-9 |
| 8" | 8-53/64" | 8-56/64" | F128-X[1] | --- |
| | 9" | 9-9/64" | F128-Y | FL128-Y |
| | 9-20/64" | 9-24/64" | F128-1 | FL128-1 |
| | 9-25/64" | 9-32/64" | F128-2 | FL128-2 |
| | 9-33/64" | 9-40/64" | F128-3 | FL128-3 |
| | 9-41/64" | 9-48/64" | F128-4 | FL128-4 |
| | 9-49/64" | 9-56/64" | F128-5 | FL128-5 |
| | 9-57/64" | 10" | F128-6 | FL128-6 |
| | 10-1/64" | 10-4/64" | F128-7 | FL128-7 |
| 10" | 11-32/64" | 11-44/64" | F160-1 | FL160-1 |
| | 11-45/64" | 11-60/64" | F160-2 | FL160-2 |
| | 11-61/64" | 12-12/64" | F160-3 | FL160-3 |
| | 12-13/64" | 12-28/64" | F160-4 | FL160-4 |
| | 12-29/64" | 12-44/64" | F160-5 | FL160-5 |
| | 12-45/64" | 12-60/64" | F160-6 | FL160-6 |



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## External Swage Ferrules - Light Duty

**Application**
- For use with standard length stems styles TMR, TPR, and TGR series on pages 575 - 576

**Feature**
- Consult Dixon® for die recommendations, go to dixonvalve.com for specific pressure recommendations



| Hose I.D. | Hose O.D. | | 304 Stainless Steel Part # |
|---|---|---|---|
| | From | To | |
| 1-1/2" | 1-60/64" | 2-12/64" | GAS2334TO |
| | 2-4/64" | 2-22/64" | GAS2370TO |
| 2" | 2-30-64" | 2-44/64" | GAS2709TO |
| | 2-42/64" | 2-54/64" | GAS2885TO |
| 3" | 3-30/64" | 3-46/64" | GAS3760TO |
| | 3-47/64" | 3-54/64" | GAS3885TO |
| 4" | 4-40/64" | 4-47/64" | GAS5010TO |

## External Swage High Pressure Couplings

**Features**
- Sold as a complete coupling (stem and matching ferrule)
- Must provide hose O.D. when ordering for a properly sized ferrule; make sure both ends of the hose are measured for O.D.
- Must be swaged with 50 ton or 100 ton ram
- API and NPT sizes are interchangeable
- Stems are machined from seamless pipe and tubing with specially designed serrations
- Ferrules are machined from a heavy wall material incorporating matching serrations

**Specification**
- Intended for services requiring a fitting to withstand extremely high pressures (up to **3,000 PSI** at **70°F (21°C)**) and severe operating conditions including: small and medium size drilling rigs, slim hole applications and core drill, workover, seismograph, water well, blast or shot holes

### Stem and Ferrule Complete Assemblies

- An accurate hose O.D. must be provided to complete the part # and to ensure proper retention

### Male NPT Thread Coupling Units

| Hose I.D. | NPT Size | Zinc Plated Steel Part # |
|---|---|---|
| 2" | 2" | LM32-* |
| 2-1/2" | 2-1/2" | LM40-* |
| 3" | 3" | LM48-* |



### Male API Thread Coupling Units

| Hose I.D. | API Size | Zinc Plated Steel Part # |
|---|---|---|
| 2" | 2-1/2" | LM3240- * |
| 2-1/2" | 3" | LM4048- * |
| 3" | 4" | LM4864- * |



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## Internal Expansion Coupling System

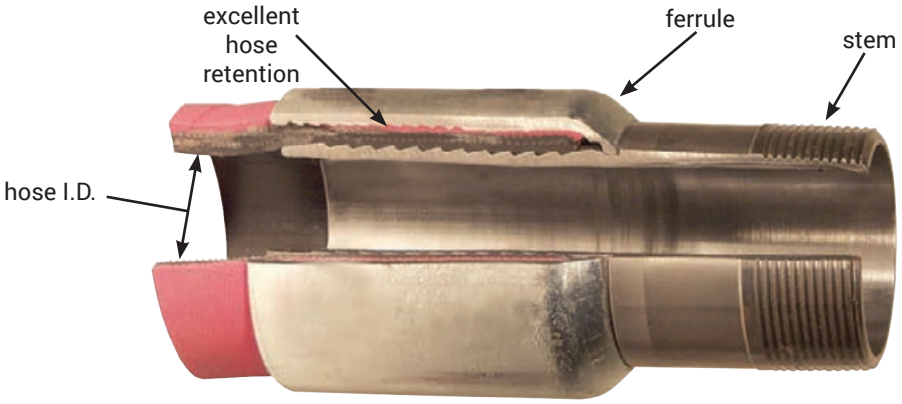
### Applications

- Essential in applications requiring maximum flow including: concrete pump hose, plaster and grout hose, oil suction and discharge hose, multi-purpose heavy duty air hose, jetting hose, barge loading hose, and bottom loading hose.

### Features

- Maximum flow of media
- Reduction of turbulence through hose
- Excellent sealing and retention characteristics
- Outperforms band clamps
- Easy and consistent installation
- Only one expansion tool is needed for each hose I.D.
- Available end configurations: male NPT, grooved, others available; contact Dixon®

NOTE: Holedall stems and ferrules are specifically designed to be used together as a coupling system. Due to differences in dimensions and tolerances, for safety reasons, do not use other manufacturers' stems or ferrules with Holedall products.




Cross-section of Holedall internally expanded assembly



### Male Pipe Threaded End Stems



| Size | Working PSI[1] | Carbon Steel Part # |
|---|---|---|
| 1" | **800** | IXM16 |
| 1-1/4" | **800** | IXM20 |
| 1-1/2" | **800** | IXM24 |
| 2" | **800** | IXM32 |
| 2-1/2" | **600** | IXM40 |
| 3" | **600**[2] | IXM48 |
| 4" | **500**[2] | IXM64 |
| 6" | **400** | IXM96 |

[1] Maximum recommended working pressures at **70°F (21°C)** ambient temperature
[2] For hoses that use IXF48-3 to IXF48-5 and IXF64-2 to IXF64-5, consult Dixon for working pressures. See page 573 for specific recommendations.

### Heavy Duty Raised End Stems



| Size | Working PSI[1] | Carbon Steel Part # |
|---|---|---|
| 1-1/2" | **800** | IXH24 |
| 2" | **800** | IXH32 |
| 2-1/2" | **600** | IXH40 |
| 3" | **600**[2] | IXH48 |
| 4" | **500**[2] | IXH64 |

[1] Maximum recommended working pressures at **70°F (21°C)** ambient temperature
[2] For hoses that use IXF48-3 to IXF48-5 and IXF64-2 to IXF64-5, consult Dixon for working

## Internal Expansion Coupling System

### Grooved End Stems

| Size | Working PSI[1] | Carbon Steel Part # |
|---|---|---|
| 1-1/4" | **800** | IXV20 |
| 1-1/2" | **800** | IXV24 |
| 2" | **800** | IXV32 |
| 2-1/2" | **600** | IXV40 |
| 3" | **600**[2] | IXV48 |
| 4" | **500**[2] | IXV64 |



[1] Maximum recommended working pressures at **70°F (21°C)** ambient temperature

[2] For hoses that use IXF48-3 to IXF48-5 and IXF64-2 to IXF64-5, consult Dixon® for working pressures. See page 573 for specific recommendations.

## Internal Expansion Ferrules



| Hose I.D. | Hose O.D. From | Hose O.D. To | Ferrule I.D. | Plated Carbon Steel Part # |
|---|---|---|---|---|
| 1" | 1-24/64" | 1-28/64" | 1-7/16" | IXF16-1 |
| | 1-28/64" | 1-32/64" | 1-1/2" | IXF16-2 |
| | 1-32/64" | 1-36/64" | 1-9/16" | IXF16-3 |
| | 1-36/64" | 1-40/64" | 1" | IXF16-4 |
| 1-1/4" | 1-40/64" | 1-44/64" | 1-11/16" | IXF20-Z |
| | 1-44/64" | 1-48/64" | 1-3/4" | IXF20-1 |
| | 1-48/64" | 1-52/64" | 1-13/16" | IXF20-2 |
| | 1-52/64" | 1-56/64" | 1-7/8" | IXF20-3 |
| | 1-56/64" | 1-60/64" | 1-15/16" | IXF20-4 |
| | 1-60/64" | 2" | 2" | IXF20-5 |
| | 2" | 2-4/64" | 2-1/16" | IXF20-6 |
| 1-1/2" | 1-56/64" | 1-60/64" | 1-15/16" | IXF24-Z |
| | 1-60/64" | 2" | 2" | IXF24-1 |
| | 2" | 2-4/64" | 2-1/16" | IXF24-2 |
| | 2-4/64" | 2-8/64" | 2-1/8" | IXF24-3 |
| | 2-8/64" | 2-12/64" | 2-3/16" | IXF24-4 |
| | 2-12/64" | 2-16/64" | 2-1/4" | IXF24-5 |
| | 2-16/64" | 2-20/64" | 2-5/16" | IXF24-6 |
| | 2-20/64" | 2-24/64" | 2-3/8" | IXF24-7 |
| 2" | 2-32/64" | 2-36/64" | 2-9/16" | IXF32-Y |
| | 2-36/64" | 2-40/64" | 2-5/8" | IXF32-Z |
| | 2-40/64" | 2-44/64" | 2-11/16" | IXF32-1 |
| | 2-44/64" | 2-48/64" | 2-3/4" | IXF32-2 |
| | 2-48/64" | 2-52/64" | 2-13/16" | IXF32-3 |
| | 2-52/64" | 2-56/64" | 2-7/8" | IXF32-4 |
| | 2-56/64" | 2-60/64" | 2-15/16" | IXF32-5 |
| | 2-60/64" | 3" | 3" | IXF32-6 |
| | 3" | 3-4/64" | 3-1/16" | IXF32-7 |
| 2-1/2" | 3" | 3-4/64" | 3-1/16" | IXF40-1 |
| | 3-4/64" | 3-8/64" | 3-1/8" | IXF40-2 |
| | 3-8/64" | 3-12/64" | 3-3/16" | IXF40-3 |
| | 3-12/64" | 3-16/64" | 3-1/4" | IXF40-4 |
| | 3-16/64" | 3-20/64" | 3-5/16" | IXF40-5 |
| | 3-20/64" | 3-24/64" | 3-3/8" | IXF40-6 |
| | 3-24/64" | 3-28/64" | 3-7/16" | IXF40-7 |
| | 3-28/64" | 3-32/64" | 3-1/2" | IXF40-8 |

| Hose I.D. | Hose O.D. From | Hose O.D. To | Ferrule I.D. | Plated Carbon Steel Part # |
|---|---|---|---|---|
| 3" | 3-32/64" | 3-36/64" | 3-9/16" | IXF48-T |
| | 3-36/64" | 3-40/64" | 3-5/8" | IXF48-U |
| | 3-40/64" | 3-44/64" | 3-11/16" | IXF48-V |
| | 3-44/64" | 3-48/64" | 3-3/4" | IXF48-W |
| | 3-48/64" | 3-52/64" | 3-13/16" | IXF48-X |
| | 3-52/64" | 3-56/64" | 3-7/8" | IXF48-Y |
| | 3-56/64" | 3-60/64" | 3-15/16" | IXF48-Z |
| | 3-60/64" | 4" | 4" | IXF48-1 |
| | 4" | 4-4/64" | 4-1/16" | IXF48-2 |
| | 4-4/64" | 4-8/64" | 4-1/8" | IXF48-3[1] |
| | 4-8/64" | 4-12/64" | 4-3/16" | IXF48-4[1] |
| | 4-12/64" | 4-16/64" | 4-1/4" | IXF48-5[1] |
| 4" | 4-36/64" | 4-40/64" | 4-5/8" | IXF64-T |
| | 4-40/64" | 4-44/64" | 4-11/16" | IXF64-U |
| | 4-44/64" | 4-48/64" | 4-3/4" | IXF64-V |
| | 4-48/64" | 4-52/64" | 4-13/16" | IXF64-W |
| | 4-52/64" | 4-56/64" | 4-7/8" | IXF64-X |
| | 4-56/64" | 4-60/64" | 4-15/16" | IXF64-Y |
| | 4-60/64" | 5" | 5" | IXF64-Z |
| | 5" | 5-4/64" | 5-1/16" | IXF64-1 |
| | 5-4/64" | 5-8/64" | 5-1/8" | IXF64-2[1] |
| | 5-8/64" | 5-12/64" | 5-3/16" | IXF64-3[1] |
| | 5-12/64" | 5-16/64" | 5-1/4" | IXF64-4[1] |
| | 5-16/64" | 5-20/64" | 5-5/16" | IXF64-5[1] |
| 6" | 6-40/64" | 6-44/64" | 6-11/16" | IXF96-1 |
| | 6-44/64" | 6-48/64" | 6-3/4" | IXF96-2 |
| | 6-46/64" | 6-50/64" | 6-25/32" | IXF96-3 |
| | 6-48/64" | 6-52/64" | 6-13/16" | IXF96-4 |
| | 6-52/64" | 6-56/64" | 6-7/8" | IXF96-5 |
| | 6-56/64" | 6-60/64" | 6-15/16" | IXF96-6 |
| | 6-60/64" | 7" | 7" | IXF96-7 |
| | 7" | 7-4/64" | 7-1/16" | IXF96-8 |
| | 7-4/64" | 7-8/64" | 7-1/8" | IXF96-9 |
| | 7-8/64" | 7-12/64" | 7-3/16" | IXF96-10 |
| | 7-12/64" | 7-16/64" | 7-1/4" | IXF96-11 |
| | 7-16/64" | 7-20/64" | 7-5/16" | IXF96-12 |
| | 7-18/64" | 7-22/64" | 7-11/32" | IXF96-13 |
| | 7-20/64" | 7-24/64" | 7-3/8" | IXF96-14 |

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## Holedall Petroleum Style Couplings

### Applications

- Recommended for discharge and suction service; commonly used in the transfer of fuel to homes, airplanes, ships, etc.
- Intended for fuel delivery service, see page 584 for information on API 1529 certification

### Features

- Compact, lightweight, and streamlined to eliminate catching on curbs and shrubs
- Stems and ferrules are designed to be used together as a coupling system
- Stem is expanded to nominal I.D. of hose for a rigid, uniform, full-flow area
- All fittings have octagonal facets for tightening with a wrench; females in 1-1/2" and larger sizes have lugs for tightening
- Pre-lubricated for assembly
- Designed for internal expansion only
- Hand and electrically operated installation equipment is available; consult Dixon® for pricing and availability
- Working pressure varies with the size of the fitting, the size and construction of the hose, and the media being conveyed; consult Dixon for recommendations
- Do not interchange with other manufacturers

### Material

- Male and female stems are machined from bar stock or solid brass forgings; ferrules are available in brass and stainless steel





### Holedall Male Couplings

| Size | Thread | Brass Part # |
|---|---|---|
| 3/4" | NPT | H5192 |
| 1" | NST | H5212NST |
| 1-1/4" | NPT | H5222-A |
| 1-3/8" | NPT | H5272[1] |
| 1-1/2" | NST | H5232NST |
| 2" | NPT | H5242 |
| 2-1/2" | NPT | H5252 |
| 3" | NPT | H5262 |

[1] 1-3/8" stem has 1-1/2" thread



### Holedall Female Couplings

| Size | Thread | Brass Part # |
|---|---|---|
| 3/4" | NPSH | H5191-BU |
| 1" | NST | H5211NST |
| 1-1/4" | NPSH | H5221-A-BU |
| 1-3/8" | NPSH | H5271-BU[1] |
| 1-1/2" | NST | H5231NST[2] |
| 2" | NPSH | H5241-BU |
| 2-1/2" | NPSM | H5251L-A-BU[3] |
| 3" | NPSM | H5261 [3] |

[1] 1-3/8" stem has 1-1/2" thread
[2] 1-1/2" NST requires special adapter, part # H5231NSTADT
[3] 2-1/2" and 3" parts have female NPSM thread



### Holedall Grooved Couplings

| Size | Brass Part # |
|---|---|
| 1" | G5212 |
| 1-1/2" | G5232 |
| 2" | G5242 |

# Holedall Petroleum Style Series

## Ferrules

### Application

- For use with Holedall Petroleum style couplings on page 582

### Feature

- Eliminates the need for a large stock of coupling bodies
- With a wide range of sizes available, you can build the perfect assembly of a coupling to a corresponding hose size with commercial tolerances, regardless of wall thickness

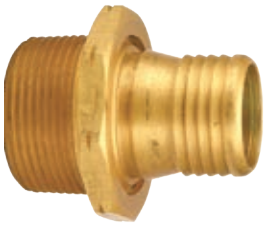
| Hose I.D. | Hose O.D. | | Brass Part # |
|---|---|---|---|
| | From | To | |
| 3/4" | 1-4/64" | 1-7/64" | R75AAAS |
| | 1-8/64" | 1-11/64" | R75AAS |
| | 1-12/64" | 1-14/64" | R75AS |
| | 1-15/64" | 1-17/64" | R75BS |
| | 1-18/64" | 1-20/64" | R75CS |
| 1" | 1-24/64" | 1-26/64" | R1AAAS-A |
| | 1-27/64" | 1-29/64" | R1AAS-A |
| | 1-30/64" | 1-32/64" | R1AS-A |
| | 1-33/64" | 1-35/64" | R1BS-A |
| | 1-36/64" | 1-38/64" | R1CS-A |
| | 1-39/64" | 1-41/64" | R1DS-A |
| | 1-42/64" | 1-44/64" | R1ES-A |
| 1-1/4" | 1-39/64" | 1-42/64" | R125AAS-A |
| | 1-43/64" | 1-46/64" | R125AS-A |
| | 1-47/64" | 1-50/64" | R125BS-A |
| | 1-51/64" | 1-54/64" | R125CS-A |
| | 1-55/64" | 1-58/64" | R125DS-A |
| | 1-59/64" | 1-62/64" | R125ES-A |
| 1-3/8" | 1-47/64" | 1-50/64" | R1375BS |
| | 1-51/64" | 1-54/64" | R1375CS |
| | 1-55/64" | 1-58/64" | R1375DS |
| | 1-59/64" | 1-62/64" | R1375ES |
| 1-1/2" | 1-54/64" | 1-57/64" | R15AAAS-A |
| | 1-58/64" | 1-62/64" | R15AAS-A |
| | 1-63/64" | 2-2/64" | R15AS-A |
| | 2-3/64" | 2-6/64" | R15BS-A |
| | 2-7/64" | 2-11/64" | R15CS-A |
| | 2-12/64" | 2-14/64" | R15DS-A |
| | 2-15/64" | 2-19/64" | R15ES-A |
| | 2-20/64" | 2-24/64" | R15FS-A |
| | 2-25/64" | 2-28/64" | R15GS[1] |
| 2" | 2-27/64" | 2-30/64" | R2AAS |
| | 2-31/64" | 2-34/64" | R2AS |
| | 2-35/64" | 2-38/64" | R2BS |
| | 2-39/64" | 2-42/64" | R2CS |
| | 2-43/64" | 2-46/64" | R2DS |
| | 2-47/64" | 2-50/64" | R2ES |
| | 2-51/64" | 2-54/64" | R2FS |
| 2-1/2" | 2-62/64" | 3-1/64" | R25AS |
| | 3-2/64" | 3-6/64" | R25BS |
| | 3-7/64" | 3-11/64" | R25CS |
| | 3-12/64" | 3-16/64" | R25DS |
| | 3-17/64" | 3-21/64" | R25ES |
| | 3-22/64" | 3-26/64" | R25FS |
| 3" | 3-30/64" | 3-34/64" | R3AAAS |
| | 3-35/64" | 3-39/64" | R3AAS |
| | 3-40/64" | 3-45/64" | R3AS |
| | 3-46/64" | 3-50/64" | R3BS |
| | 3-51/64" | 3-54/64" | R3CS |



[1] Will be replaced by API ferrules

# API Certified Attached Holedall Petroleum Male Couplings

## Male Couplings



**Approval**

- Tested and compliant with API 1529 6th edition, coupling procedures, ferrule recommendations, and API test data are available upon request, please contact Dixon® at engineering@dixonvalve.com

| Size | Thread Type | Brass Part # |
|---|---|---|
| 1" | NPT | H5212-A |
| 1-1/4" | | H5222-A |
| 1-1/2" | | H5232-A |
| 2" | | H5242L-A |
| 2-1/2" | | H5252L-A |
| 3" | | H5262L-A |
| 4" | | H5282L-A |

## Female Couplings



| Size | Thread Type | Brass Part # |
|---|---|---|
| 1" | NPSH | H5211-A-BU |
| 1-1/4" | | H5221-A-BU |
| 1-1/2" | | H5231-A-BU |
| 2" | | H5241L-A-BU |
| 2-1/2" | NPSM | H5251L-A-BU |
| 3" | | H5261L-A-BU |
| 4" | | H5281L-A-BU |

# Crimp Fuel Oil Couplings

New

L

**Applications**

- Crimpable brass ferrule and stem to outfit fuel oil hose assemblies

**Features**

- Same ferrules are used for crimping as internal expansion on page 585
- Faster assembly time
- Does not require tooling used for internal expansion

**Specification**

- Working pressure: **250 PSI**

## Male Couplings



| Size | Thread Type | Brass Part # |
|---|---|---|
| 1" | NPT | H5212CS |
| 1-1/4" | | H5222CS |
| 1-3/8" | | H5272CS |
| 1-1/2" | | H5232CS |

## Female Couplings



| Size | Thread Type | Brass Part # |
|---|---|---|
| 1" | NPT | H5211CS |
| 1-1/4" | | H5221CS |
| 1-3/8" | | H5271CS |

## API Certified Series Ferrules

| Hose I.D. | Hose O.D. | | Brass Part # | 304 Stainless Steel Part # |
|---|---|---|---|---|
| | From | To | | |
| 1" | 1-24/64" | 1-26/64" | R1AAAS-A | --- |
| | 1-27/64" | 1-29/64" | R1AAS-A | --- |
| | 1-30/64" | 1-32/64" | R1AS-A | --- |
| | 1-33/64" | 1-35/64" | R1BS-A | --- |
| | 1-36/64" | 1-38/64" | R1CS-A | --- |
| | 1-39/64" | 1-41/64" | R1DS-A | --- |
| | 1-42/64" | 1-44/64" | R1ES-A | --- |
| 1-1/4" | 1-39/64" | 1-42/64" | R125AAS-A | --- |
| | 1-43/64" | 1-46/64" | R125AS-A | --- |
| | 1-47/64" | 1-50/64" | R125BS-A | --- |
| | 1-51/64" | 1-54/64" | R125CS-A | --- |
| | 1-55/64" | 1-58/64" | R125DS-A | --- |
| | 1-59/64" | 1-62/64" | R125ES-A | --- |
| 1-1/2" | 1-54/64" | 1-57/64" | R15AAAS-A | --- |
| | 1-58/64" | 1-62/64" | R15AAS-A | --- |
| | 1-63/64" | 2-2/64" | R15AS-A | --- |
| | 2-3/64" | 2-6/64" | R15BS-A | --- |
| | 2-7/64" | 2-11/64" | R15CS-A | --- |
| | 2-12/64" | 2-14/64" | R15DS-A | --- |
| | 2-15/64" | 2-19/64" | R15ES-A | --- |
| | 2-20/64" | 2-24/64" | R15FS-A | --- |
| 2" | 2-31/64" | 2-34/64" | --- | R2ASS-A |
| | 2-35/64" | 2-38/64" | --- | R2BSS-A |
| | 2-39/64" | 2-42/64" | --- | R2CSS-A |
| | 2-43/64" | 2-46/64" | --- | R2DSS-A |
| | 2-47/64" | 2-50/64" | --- | R2ESS-A |
| 2-1/2" | 2-62/64" | 3-1/64" | --- | R25ASS-A |
| | 3-2/64" | 3-6/64" | --- | R25BSS-A |
| | 3-7/64" | 3-11/64" | --- | R25CSS-A |
| | 3-12/64" | 3-16/64" | --- | R25DSS-A |
| | 3-17/64" | 3-21/64" | --- | R25ESS-A |
| 3" | 3-35/64" | 3-39/64" | --- | R3AASS-A |
| | 3-40/64" | 3-45/64" | --- | R3ASS-A |
| | 3-46/64" | 3-50/64" | --- | R3BSS-A |
| | 3-51/64" | 3-54/64" | --- | R3CSS-A |
| | 3-55/64" | 3-59/64" | --- | R3DSS-A |
| 4" | 4-46/64" | 4-48/64" | --- | R4ESS-A |
| | 4-49/64" | 4-51/64" | --- | R4FSS-A |
| | 4-52/64" | 4-54/64" | --- | R4GSS-A |
| | 4-55/64" | 4-57/64" | --- | R4HSS-A |
| | 4-58/64" | 4-59/64" | --- | R4KSS-A |
| | 4-60/64" | 4-62/64" | --- | R4LSS-A |
| | 4-63/64" | 5" | --- | R4MSS-A |



brass




304 stainless steel

L

NOTE: For use with API couplings on page 584

## Female Replacement Washers



**Application**
- For use with female internally expanded Holedall couplings on page 584

| Size | Nitrile Rubber Part # |
|---|---|
| 3/4" | H5071-BU |
| 1" | H5072-BU |
| 1-1/4" | H5073-BU |
| 1-1/2" | H5074-BU |
| 2" | H5075-BU |
| 2-1/2" | H5076-BU |
| 3" | H5077-BU |
| 4" | H5078-BU |

## HB Coupling Expander Machine



**Application**
- For use in a fixed location for small production runs or as a portable repair type expander

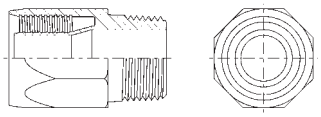
**Features**
- Hand operated, pull-through type expander
- Attaches sizes 3/4" through 2" of the Holedall Petroleum style and all sizes of the curb pump fittings
- Expander tooling sold separately

| Part # |
|---|
| 2500HB0000 |

## Pump Hose Couplings

c UL us
Fluid Hose number (MH49909)





**Application**
- Economical and trouble-free couplings for gas pump hose

**Features**
- Serrations on the stem embed in the hose, eliminating wicking and leakage
- Shell extends beyond the stem preventing cutting of interior walls; tapered ends of stem and shell protect hose when flexed
- Provide tamper-proof static connection, which cannot be broken without completely damaging coupling and hose
- Internal expansion of stem to nominal I.D. of hose provides full flow
- Broad, firm grip of coupling extends hose life by making it possible for hose to withstand repeated bending
- Hand and electrically operated installation equipment is available; consult Dixon® for pricing and availability
- Reattach static wire if required

**Approval**
- UL recognized

| Size | Male NPT | Hose O.D. | Chrome Plated Brass Part # |
|---|---|---|---|
| 3/4" | 3/4" | 1-9/64" | H5751 |
| | | 1-11/64" | H5752 |
| | | 1-13/64" | H5753 |
| | | 1-7/32" | H5754 |
| | | 1-17/64" | H5755[1] |
| 1" | 1" | 1-25/64" | H5771 |
| | | 1-29/64" | H5772 |
| | | 1-1/2" | H5773 |
| | | 1-9/16" | H5774 |



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# Dubl-Grip Field Attachable Couplings for Curb Pump Hose

Fluid hose number (MH49909)

## Features

- Two-piece construction
- Streamlined design prevents damage to hose and fits well on new pump equipment
- Wide, flat surfaces of body threads protect inside of hose from breaking
- Tapered surface of sleeve and body cradle hose preventing one-point strain from flexing
- Hose is gripped on its full circumference in two places, ensuring a rigid leakproof connection
- Easy assembly:
  - Hose is held in position by sleeve as body is threaded home.
  - Only a wrench is required to assemble the Dubl-Grip.
- Reattach static wire if required

## Approval

- UL recognized

### Swivel

| Hose I.D. | Male NPT | Hose O.D. | Chrome Plated Brass Part # |
|---|---|---|---|
| 3/4" | 3/4" | 1-1/8" | H603 |
| | | 1-13/64" | H604 |
| | | 1-1/4" | H605 |
| 1" | 1" | 1-3/8" | H609[1] |
| | | 1-7/16" | H610[1] |
| | | 1-1/2" | H611[1] |



### Non-Swivel

| Hose I.D. | Male NPT | Hose O.D. | Chrome Plated Brass Part # |
|---|---|---|---|
| 5/8" | 3/4" | 1" | 850212 |
| | | 1-1/32" | 850213 |
| 3/4" | | 1-1/8" | 850451 |
| | | 1-13/64" | 850455 |
| | | 1-1/4" | 850453 |
| 1" | 1" | 1-3/8" | 850841[1] |
| | | 1-7/16" | 850801[1] |
| | | 1-1/2" | 850811[1] |



[1] Octagonal shape

L

## CIP Internal Expansion (IX) Sanitary Style Hose Couplings

**Applications**
- Used in the food, dairy, and beverage industries

**Feature**
- Flow Chief internal expansion (IX) fittings are only to be used with Flow Chief stainless steel ferrules

**Approval**
- Clean-in-place (CIP) compliant

### Sanitary Style Clamp End Stems

**Features**
- See pages 673 - 681 for sanitary style gaskets
- See pages 595 - 598 for sanitary style clamps



**Approvals**
- 3A compliant when assembled by 3A authorized hose shop
- Special plug is required to expand CIP compliant fittings
- Special adapter plate is required to expand 1-1/2" CIP compliant fittings

| Size | 304 Stainless Steel Part # |
|---|---|
| 1-1/2" | IXSE24-3A |
| 2" | IXSE32-3A |
| 3" | IXSE48-3A |

### Special Expansion Plugs for CIP Compliant IX Fitting



| Hose Size | 304 Stainless Steel Part # |
|---|---|
| 1-1/2" | IXFDPLG137 |
| 2" | IXFDPLG187 |
| 3" | IXFDPLG287 |

### CIP Internal Expansion (IX) Sanitary Style Tube Weld End Stem



**Feature**
- Special plug is required to expand CIP compliant fittings

| Size | 304 Stainless Steel Part # |
|---|---|
| 2" | IXPE32-3A |

## Internal Expansion (IX) Sanitary Style

### Clamp End Stems

**Features**
- Clamp end x hose shank
- Flow Chief internal expansion (IX) fittings are only to be used with Flow Chief stainless steel ferrules
- See pages 673 - 681 for sanitary style gaskets
- See pages 595 - 598 for sanitary style clamps



| Size | 304 Stainless Steel Part # |
|---|---|
| 1-1/2" | IXSE24 |
| 2" | IXSE32 |
| 2-1/2" | IXSE40 |
| 3" | IXSE48 |



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## Internal Expansion (IX) Sanitary Style

### Male NPT Stems

**Feature**
- Flow Chief internal expansion (IX) fittings are only to be used with Flow Chief stainless steel ferrules

| Size | 304 Stainless Steel Part # |
|---|---|
| 1-1/2" | IXMS24 |
| 2" | IXMS32 |
| 2-1/2" | IXMS40 |
| 3" | IXMS48 |
| 4" | IXMS64 |



## Internal Expansion (IX) Sanitary Style Bevel Seat Hose Couplings

**Features**
- Flow Chief internal expansion (IX) fittings are only to be used with Flow Chief stainless steel ferrules
- See pages 682 - 683 for bevel seat gaskets

### Bevel Seat Stems

**Feature**
- Only use with the IXAN nuts shown below

| Size | 304 Stainless Steel Part # |
|---|---|
| 1-1/2" | IXFS24 |
| 2" | IXFS32 |
| 2" | IXFS32-3A[1] |
| 2-1/2" | IXFS40 |
| 3" | IXFS48 |
| 4" | IXFS64 |

[1] Must use plug part # IXFDPLG187



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### Bevel Seat Threaded Hex Nuts

### Series 13H (modified)

| Size | 304 Stainless Steel Part # |
|---|---|
| 1-1/2" | IXAN24 |
| 2" | IXAN32 |
| 2-1/2" | IXAN40 |
| 3" | IXAN48 |
| 4" | IXAN64 |



## Internal Expansion Sanitary Style Flow Chief Ferrules



**Feature**
- Ferrule I.D.s are designed in increments of 1/16"

| Hose I.D. | Hose O.D. | | 304 Stainless Steel Part # |
|---|---|---|---|
| | From | To | |
| 1-1/2"[1] | 1-56/64" | 1-59/64" | 24PFX1.937 |
| | 1-60/64" | 1-63/64" | 24PFX2.000 |
| | 2" | 2-3/64" | 24PFX2.062 |
| | 2-4/64" | 2-7/64" | 24PFX2.125 |
| | 2-8/64" | 2-11/64" | 24PFX2.187 |
| | 2-12/64" | 2-15/64" | 24PFX2.250 |
| | 2-16/64" | 2-19/64" | 24PFX2.312[2] |
| 2"[1] | 2-28/64" | 2-31/64" | 32PFX2.500 |
| | 2-32/64" | 2-35/64" | 32PFX2.562 |
| | 2-36/64" | 2-39/64" | 32PFX2.625 |
| | 2-40/64" | 2-43/64" | 32PFX2.687 |
| | 2-44/64" | 2-47/64" | 32PFX2.750 |
| | 2-48/64" | 2-51/64" | 32PFX2.812 |
| | 2-52/64" | 2-55/64" | 32PFX2.875 |
| | 2-56/64" | 2-59/64" | 32PFX2.937 |
| 2-1/2" | 3" | 3-3/64" | 40PFX3.062 |
| | 3-4/64" | 3-7/64" | 40PFX3.125 |
| | 3-8/64" | 3-11/64" | 40PFX3.187 |
| | 3-12/64" | 3-15/64" | 40PFX3.250 |
| | 3-16/64" | 3-19/64" | 40PFX3.312 |
| | 3-20/64" | 3-23/64" | 40PFX3.375 |
| | 3-28/64" | 3-31/64" | 40PFX3.500 |
| 3" | 3-32/64" | 3-35/64" | 48PFX3.562 |
| | 3-36/64" | 3-39/64" | 48PFX3.625 |
| | 3-40/64" | 3-43/64" | 48PFX3.687 |
| | 3-44/64" | 3-47/64" | 48PFX3.750 |
| | 3-48/64" | 3-51/64" | 48PFX3.812 |
| | 3-52/64" | 3-55/64" | 48PFX3.875 |
| | 3-56/64" | 3-59/64" | 48PFX3.937 |
| | 3-60/64" | 3-63/64" | 48PFX4.000 |
| | 4" | 4-3/64" | 48PFX4.062 |
| | 4-4/64" | 4-7/64" | 48PFX4.125 |
| 4" | 4-36/64" | 4-39/64" | 64PFX4.625 |
| | 4-40/64" | 4-43/64" | 64PFX4.687 |
| | 4-44/64" | 4-47/64" | 64PFX4.750 |
| | 4-48/64" | 4-51/64" | 64PFX4.812 |
| | 4-52/64" | 4-55/64" | 64PFX4.875 |
| | 4-56/64" | 4-59/64" | 64PFX4.937 |

[1] 1-1/2" and 2" ferrules do not have serrations on the I.D.
[2] Consult Dixon® at engineering@dixonvalve.com for working pressure
NOTE: For use with IX stems on pages 588 - 589



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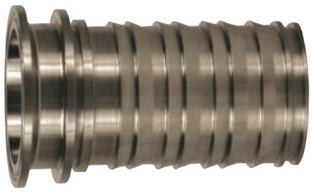
# Dixon Sanitary King Crimp® Style Stem

**Feature**
- To be used with King Crimp sleeves and / or ferrules see pages 13 - 16

**Approval**
- Wetted surfaces meet governmental and independent regulatory standards only

### Clamp End x Hose Shank Stems

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | CSSR100CS |
| 1-1/2" | CSSR150CS |
| 2" | CSSR200CS |
| 3" | CSSR300CS |
| 4" | CSSR400CS |



### Female I-line x Hose Shank Stems

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | CILR100CS |
| 1-1/2" | CILR150CS |
| 2" | CILR200CS |
| 3" | CILR300CS |
| 4" | CILR400CS |



## Holedall DIN External

### Crimp Female Stems

| Size | DIN | 316 Stainless Steel Part # |
|---|---|---|
| 1-1/2" | 40 | HA0240 |
| 2" | 50 | HA0241 |
| 2-1/2" | 65 | HA0242 |
| 3" | 80 | HA0243 |



### Male Stems

| Size | DIN | 316 Stainless Steel Part # |
|---|---|---|
| 1-1/2" | 40 | HA0235 |
| 2" | 50 | HA0236 |
| 2-1/2" | 65 | HA0237 |
| 3" | 80 | HA0238 |



NOTE: Please visit dixonvalve.com for crimp recommendations. To be used with Dixon sanitary style crimp ferrules on page 593



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# Dixon Sanitary Style Crimp Stems

## Clamp End x Hose Shank



**Features**
- Sanitary style end
- Dixon® sanitary crimp stems are only to be used with Dixon sanitary stainless steel crimp ferrules on page 593
- Reference dixonvalve.com for crimp recommendations

| Size | 316 Stainless Steel Part # |
|---|---|
| 1" | CSSR100-3A |
| 1-1/2" | CSSR150-3A |
| 2" | CSSR200-3A |
| 2-1/2" | CSSR250 |
| 3" | CSSR300-3A |
| 4" | CSSR400 |

## Female I-Line End x Hose Shank

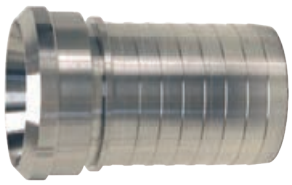


**Feature**
- To be used with sanitary ferrules on page 593

| Size | 316 Stainless Steel Part # |
|---|---|
| 1-1/2" | CILR150 |
| 2" | CILR200 |
| 3" | CILR300 |
| 4" | CILR400 |

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## Bevel Seat End x Hose Shank



**Feature**
- To be used with sanitary ferrules on page 593

| Size | Nut Used | 316 Stainless Steel Part # |
|---|---|---|
| 1" | 13H-G100 | CBSR100 |
| 1-1/2" | IXAN24 | CBSR150 |
| 2" | IXAN32 | CBSR200 |
| 3" | IXAN300 | CBSR300 |
| 4" | IXAN64 | CBSR400 |

## Tube Weld End x Hose Shank



**Feature**
- To be used with sanitary ferrules on page 593

| Size | 316 Stainless Steel Part # |
|---|---|
| 1-1/2" | CTER150 |
| 2" | CTER200 |
| 3" | CTER300 |
| 4" | CTER400 |

# Dixon® Sanitary Style
## Crimp Ferrules

**Material**
- AISI 304 stainless steel

**Approval**
- Ferrules have a surface finish of 63 or better

| Size | Hose O.D. | | AISI 304 Stainless Steel Part # |
|---|---|---|---|
| | From | To | |
| 1" | 1-26/64" | 1-28/64" | F16G-1453 |
| | 1-29/64" | 1-31/64" | F16G-1500 |
| | 1-32/64" | 1-34/64" | F16G-1547 |
| | 1-35/64" | 1-37/64" | F16G-1594 |
| | 1-38/64" | 1-40/64" | F16G-1641 |
| | 1-41/64" | 1-43/64" | F16G-1687 |
| | 1-44/64" | 1-46/64" | F16G-1734 |
| | 1-47/64" | 1-49/64" | F16G-1781 |
| 1-1/2" | 1-58/64" | 1-61/64" | F24G-1969 |
| | 1-62/64" | 2-1/64" | F24G-2031 |
| | 2-2/64" | 2-5/64" | F24G-2094 |
| | 2-6/64" | 2-9/64" | F24G-2156 |
| | 2-10/64" | 2-13/64" | F24G-2219 |
| | 2-14/64" | 2-17/64" | F24G-2281 |
| | 2-18/64" | 2-21/64" | F24G-2344 |
| | 2-22/64" | 2-25/64" | F24G-2406 |
| 2" | 2-30/64" | 2-33/64" | F32G-2531 |
| | 2-34/64" | 2-37/64" | F32G-2594 |
| | 2-38/64" | 2-41/64" | F32G-2656 |
| | 2-42/64" | 2-45/64" | F32G-2719 |
| | 2-46/64" | 2-48/64" | F32G-2766 |
| | 2-49/64" | 2-51/64" | F32G-2815 |
| | 2-52/64" | 2-55/64" | F32G-2875 |
| | 2-56/64" | 2-59/64" | F32G-2938 |
| | 2-60/64" | 2-63/64" | F32G-3000 |
| | 3" | 3-3/64" | F32G-3063 |
| | 3-4/64" | 3-7/64" | F32G-3125 |
| 2-1/2" | 3" | 3-3/64" | F40G-3063 |
| | 3-4/64" | 3-7/64" | F40G-3125 |
| | 3-8/64" | 3-11/64" | F40G-3188 |
| | 3-12/64" | 3-15/64" | F40G-3250 |
| | 3-16/64" | 3-19/64" | F40G-3313 |
| | 3-20/64" | 3-23/64" | F40G-3375 |
| | 3-24/64" | 3-26/64" | F40G3437 |
| 3" | 3-36/64" | 3-39/64" | F48G-3625 |
| | 3-40/64" | 3-43/64" | F48G-3688 |
| | 3-44/64" | 3-47/64" | F48G-3750 |
| | 3-48/64" | 3-51/64" | F48G-3813 |
| | 3-52/64" | 3-55/64" | F48G-3875 |
| | 3-56/64" | 3-59/64" | F48G-3938 |
| | 3-61/64" | 4" | F48G-4016 |
| 4" | 4-40/64" | 4-43/64" | F64G-4688 |
| | 4-44/64" | 4-47/64" | F64G-4750 |
| | 4-48/64" | 4-51/64" | F64G-4813 |
| | 4-52/64" | 4-55/64" | F64G-4875 |
| | 4-56/64" | 4-59/64" | F64G-4938 |



**Sanitary Tube Fittings..... 595 - 711**
Clever Clamp™ ..... 595
Clamps ..... 596 - 598
Spring loaded nut ..... 598
Clamp accessories ..... 599
Clamp fittings ..... 600 - 613
Ferrules ..... 600 - 601
Elbows ..... 602 - 603
Tees ..... 604
Reducers ..... 605 - 606
Caps ..... 607
Adapters ..... 608 - 611
Laterals, wyes, crosses, bends, and flanges ..... 612 - 613
Sanitary spools ..... 614
Weld ..... 615 - 624
Elbows ..... 615 - 616
Sweep elbows ..... 617
Tees ..... 618 - 619
Reducers ..... 620 - 621
Caps ..... 621
Adapters ..... 622
Laterals, wyes, crosses, bends, and flanges ..... 623 - 624
Gaskets ..... 624
Unpolished weld ..... 625 - 629
Elbows ..... 625
Tees ..... 626
Reducers ..... 627
Laterals, wyes, bends, and flanges ..... 628 - 629
Gaskets ..... 629
Bevel seat ..... 630 - 636
Nuts ..... 630
Hex wrenches ..... 630
Ferrules ..... 631 - 633
Elbows ..... 634
Reducers ..... 635
Caps ..... 636
Adapters ..... 636
I-line / Q-line ..... 637 - 642
Clamps ..... 637
Ferrules ..... 638 - 640
Elbows ..... 640
End caps ..... 641
Adapters ..... 642
John Perry ..... 643 - 645
Nuts ..... 643
Wrenches ..... 643
Ferrules ..... 644
End caps ..... 645
European fittings ..... 646 - 648
DIN ..... 646
SMS ..... 647
RJT ..... 648
High purity Biopharm fittings ..... 649 - 663
Caps ..... 649
Adapters ..... 650
Ferrules ..... 651
Elbows ..... 652
Tees ..... 653 - 657
Reducers ..... 658 - 663
Pipe size ..... 664 - 670

**Sanitary Tube Fittings (cont.)..... 595 - 711**
Ferrules ..... 664 - 665
End caps ..... 665
Adapters ..... 666
Hangers ..... 667 - 670
Gaskets ..... 671 - 689
Schedule 5S and 10S ..... 671 - 672
Sanitary ..... 673
Clamp ..... 674 - 681
Bevel seat ..... 682 - 683
I-line / Q-line ..... 684 - 685
John Perry ..... 686 - 687
European ..... 688 - 689
Gasket fittings and sizing guide ..... 690 - 692
Sanitary tubing ..... 693
ASTM-A270 polished I.D. / O.D. tubing ..... 694 - 695
Tube hangers ..... 696 - 703
Hex ..... 696 - 700
Block ..... 701 - 702
Process ..... 703
Wall flanges ..... 704
Pressure gauges ..... 705 - 709
Thermometers ..... 710
RTDs and temperature transmitters ..... 711

**Vacuum Fittings .....712 - 732**
KF flange ..... 712 - 713
KF ring ..... 713 - 714
KF bellow ..... 714
KF clamp ..... 714
ISO flange ..... 715 - 716
ISO ring ..... 716
ISO bellow ..... 716
ISO clamp ..... 716
Vacuum weld ..... 717 - 719
Elbows ..... 717 - 718
Reducers ..... 719
Tees ..... 719
Material test reports ..... 720

**Breakaway Couplings ..... 721**
**Spray Balls..... 722**
**Sight Glasses .....723 - 725**
**Swivels ..... 726**
**Cartridge Filter Elements .....727 - 731**
**Strainers.....732 - 734**

**Sanitary Valves .....735 - 749**
Tank vent valve ..... 735
2-way, 3-piece ball valves ..... 736 - 737
Butterfly valves ..... 738 - 742
Clamp end ..... 738 - 741
B5116 series ..... 742
Spring check valves ..... 743
Y ball check valves ..... 744
Air blow check valves ..... 745
Air relief check valves ..... 746
Air / vacuum relief tank valve ..... 747 - 748

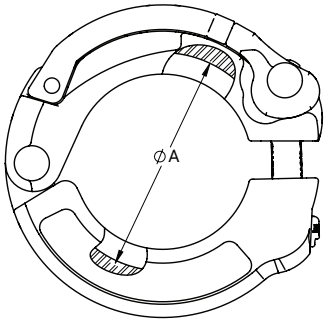
## Clever Clamp™

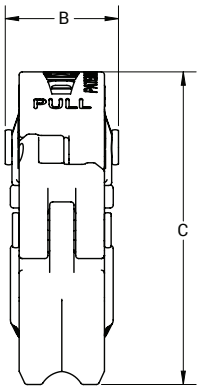
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### Features

- Consistent compression of the gasket with every use - no concern for damage to gasket or creation of internal bacterial traps from improper compression
- Adjustable for both rubber and PTFE gasket styles
- Fast installation, no torquing tools required
- Thread-less design eliminates risk of crushed pin threads
- Lockout ready design
- Self-locking lever and color-coding options available

### Dimensions








| Tube O.D. | Service Pressure Rating PSI @ 70°F (21°C)[1] | Service Pressure Rating PSI @ 250°F (121°C)[1] | A (in) | B (in) | C (in) | 304 Stainless Steel Part # | Clever Clamp with 304 Stainless Steel Part # |
|---|---|---|---|---|---|---|---|
| 1-1/2" | **500** | **300** | 2.14 | 1.10 | 3.04 | 13SCC-100150 | 13SCC-100150L |
| 2" | **450** | **250** | 2.65 | 1.10 | 3.53 | 13SCC-200 | 13SCC-200L |
| 3" | **350** | **175** | 3.72 | 1.10 | 4.59 | 13SCC-300 | 13SCC-300L |

[1] Service ratings are based on hydrostatic tests using standard-molded nitrile rubber, EPDM, FKM, and silicone material gaskets, with proper installation of ferrules, assembly of joints and absence of shock pressure or water hammer. Contact Dixon for service of other type and material gaskets. All ratings shown are dependent upon related components within the systems and proper installation of those components. For temperatures above **250°F**, we cannot provide service ratings. Before installation, testing must be done under the specific conditions of your application. Verify specific gasket material temperature ratings. This information is only applicable if Dixon clamps, ferrules, and gaskets are used. Dixon cannot guarantee the quality or integrity of other manufacturers components.

M

### Food Grade Silicone Color I.D. Bands - 25pcs/pack

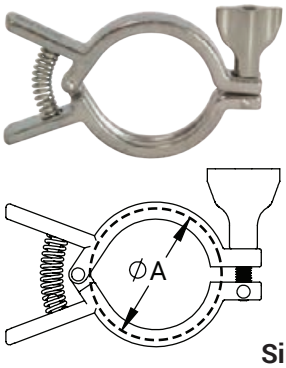


| Color | Part # |
|---|---|
| Red | 13SCC-CB-R |
| Green | 13SCC-CB-G |
| Blue | 13SCC-CB-B |
| Yellow | 13SCC-CB-Y |

## Clamps

Service pressure ratings are based on the following parameters: matching elastomer gaskets and weld ferrules properly aligned and assembled with the clamps tightened to the required torques. Tests are done hydrostatically with no water hammer or shock loads. Please note the pressure ratings of the described unions may be above the recommended pipe line operating pressures.

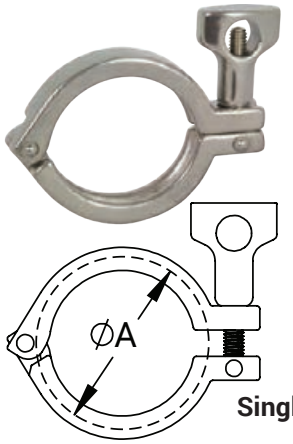
### Single Pin Squeeze Clamps - 13MHHM-Q




| Tube O.D. | Service Pressure Rating PSI @ 70°F (21°C)[1] | Service Pressure Rating PSI @ 250°F (121°C)[1] | A (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" - 3/4" | 1500 | 1200 | 1.06 | 13MHHM-Q75 |
| 1" - 1-1/2" | 500 | 300 | 2.12 | 13MHHM-Q100150 |
| 2" | 450 | 250 | 2.65 | 13MHHM-Q200 |
| 2-1/2" | 400 | 200 | 3.18 | 13MHHM-Q250 |
| 3" | 350 | 175 | 3.72 | 13MHHM-Q300 |
| 4" | 300 | 150 | 4.82 | 13MHHM-Q400 |

[1]Wing nut tightened to 25 in. lbs. of torque

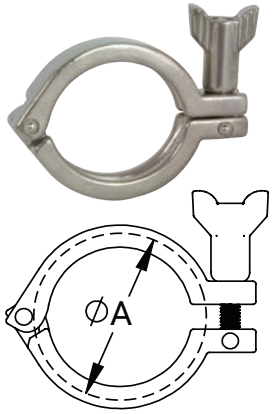
### Single Pin Heavy Duty Clamps with Cross Hole Wing Nut - 13MHHM




| Tube O.D. | Service Pressure Rating PSI @ 70°F (21°C)[1] | Service Pressure Rating PSI @ 250°F (121°C)[1] | A (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" - 3/4" | 1500 | 1200 | 1.06 | 13MHHM50-75 |
| 1" - 1-1/2" | 500 | 300 | 2.12 | 13MHHM100-150 |
| 2" | 450 | 250 | 2.65 | 13MHHM200 |
| 2-1/2" | 400 | 200 | 3.19 | 13MHHM250 |
| 3" | 350 | 175 | 3.72 | 13MHHM300 |
| 4" | 300 | 150 | 4.82 | 13MHHM400 |
| 5" | 225 | 100 | 5.82 | 13MHHM500 |
| 6" | 150 | 75 | 6.69 | 13MHHM600 |
| 8" | 100 | 50 | 8.69 | 13MHHM800 |

[1]Wing nut tightened to 25 in. lbs. of torque

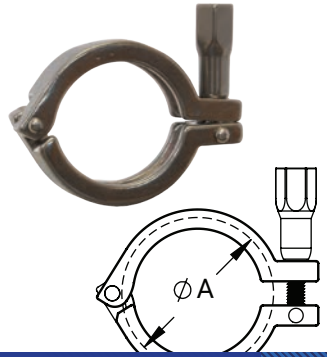
### Single Pin Heavy Duty Clamps with Serrated Wing Nut - 13MHHM***SN




| Tube O.D. | Service Pressure Rating PSI @ 70°F (21°C)[1] | Service Pressure Rating PSI @ 250°F (121°C)[1] | A (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" - 3/4" | 1500 | 1200 | 1.06 | 13MHHM50-75SN |
| 1" - 1-1/2" | 500 | 300 | 2.12 | 13MHHM100-150SN |
| 2" | 450 | 250 | 2.65 | 13MHHM200SN |
| 2-1/2" | 400 | 200 | 3.19 | 13MHHM250SN |
| 3" | 350 | 175 | 3.72 | 13MHHM300SN |
| 4" | 300 | 150 | 4.82 | 13MHHM400SN |
| 5" | 225 | 100 | 5.82 | 13MHHM500SN |
| 6" | 150 | 75 | 6.70 | 13MHHM600SN |
| 8" | 100 | 50 | 8.70 | 13MHHM800SN |

[1]Wing nut tightened to 25 in. lbs. of torque

### Single Pin Heavy Duty Clamps with Hex Nut - 13MHHM***WNH



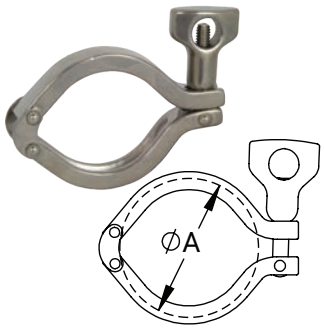

| Tube O.D. | Service Pressure Rating PSI @ 70°F (21°C)[1] | Service Pressure Rating PSI @ 250°F (121°C)[1] | A (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" - 3/4" | 1500 | 1200 | 1.06 | 13MHHM50-75WNH |
| 1" - 1-1/2" | 500 | 300 | 2.12 | 13MHHM100150WNH |
| 2" | 450 | 250 | 2.65 | 13MHHM200WNH |
| 2-1/2" | 400 | 200 | 3.19 | 13MHHM250WNH |
| 3" | 350 | 175 | 3.72 | 13MHHM300WNH |
| 4" | 300 | 150 | 4.82 | 13MHHM400WNH |
| 5" | 225 | 100 | 5.82 | 13MHHM500WNH |
| 6" | 150 | 75 | 6.70 | 13MHHM600WNH |
| 8" | 100 | 50 | 8.70 | 13MHHM800WNH |

# Clamps

## Double Pin Heavy Duty Clamps - 13MHHM-DP

| Tube O.D. | Service Pressure Rating PSI @ 70°F (21°C)[1] | Service Pressure Rating PSI @ 250°F (121°C)[1] | A (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1" - 1-1/2" | **500** | **300** | 2.12 | 13MHHM-DP100150 |
| 2" | **450** | **250** | 2.65 | 13MHHM-DP200 |
| 2-1/2" | **400** | **200** | 3.19 | 13MHHM-DP250 |
| 3" | **350** | **175** | 3.72 | 13MHHM-DP300 |
| 4" | **300** | **150** | 4.82 | 13MHHM-DP400 |
| 10" | **100** | **50** | 10.74 | 13MHHM-DP1000 |

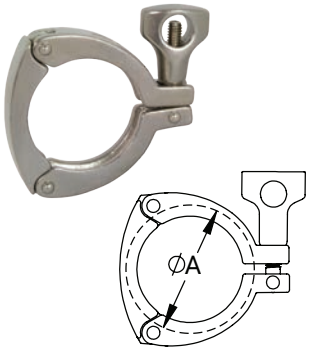
[1]Wing nut tightened to 25 in-lb of torque




## Three Segment Clamps - 13MHHM-3P

| Tube O.D. | Service Pressure Rating PSI @ 70°F (21°C)[1] | Service Pressure Rating PSI @ 250°F (121°C)[1] | A (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1" - 1-1/2" | **600** | **300** | 2.12 | 13MHHM-3P100150 |
| 2" | **550** | **275** | 2.65 | 13MHHM-3P200 |
| 2-1/2" | **450** | **225** | 3.19 | 13MHHM-3P250 |
| 3" | **350** | **175** | 3.72 | 13MHHM-3P300 |
| 4" | **300** | **150** | 4.82 | 13MHHM-3P400 |
| 12" | **75** | **50** | 12.74 | 13MHHM-3P1200 |

[1]Wing nut tightened to 25 in-lb of torque



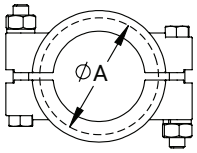

## Bolted Clamps - 13MHP

| Tube O.D. | Service Pressure Rating PSI @ 70°F (21°C)[1] | Service Pressure Rating PSI @ 250°F (121°C)[1] | A (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" - 3/4" | **1500** | **1200** | 1.06 | 13MHP75 |
| 1" - 1-1/2" | **1500** | **1200** | 2.05 | 13MHP100-150 |
| 2" | **1000** | **800** | 2.58 | 13MHP200 |
| 2-1/2" | **1000** | **800** | 3.11 | 13MHP250 |
| 3" | **1000** | **800** | 3.64 | 13MHP300 |
| 4" | **800** | **600** | 4.74 | 13MHP400 |
| **5"** | **300** | **200** | **5.76** | 13MHP500 |
| 6" | **300** | **200** | 6.63 | 13MHP600 |
| 8" | **250** | **150** | 8.64 | 13MHP800 |
| 10" | **200** | **125** | 10.74 | 13MHP1000 |
| 12" | **150** | **100** | 12.74 | 13MHP1200 |

[1]All nuts are tightened to 20 ft-lb of torque


1/2" - 3/4"


1" - 12"




## Toggle Clamps - 13MHLA

| Tube O.D. | Service Pressure Rating PSI @ 70°F (21°C)[1] | Service Pressure Rating PSI @ 250°F (121°C)[1] | A (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1" - 1-1/2" | **150** | **125** | 2.12 | 13MHLA100-150 |
| 2" | **150** | **125** | 2.65 | 13MHLA200 |
| 2-1/2" | **150** | **125** | 3.19 | 13MHLA250 |
| 3" | **150** | **125** | 3.72 | 13MHLA300 |
| 4" | **100** | **75** | 4.82 | 13MHLA400 |

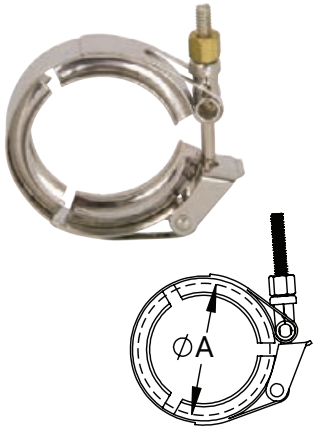
[1]Screw tightened to maximum






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## Clamps

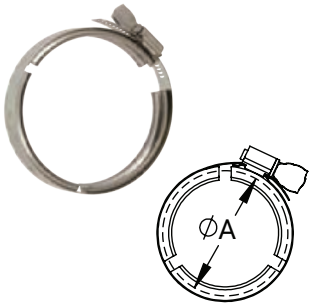



### T-bolt Clamps - 13MO

| Tube O.D. | Service Pressure Rating PSI @ 70°F (21°C)[1] | Service Pressure Rating PSI @ 250°F (121°C)[1] | A (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1" - 1-1/2" | **500** | **250** | 2.08 | 13MO100-150 |
| 2" | **350** | **200** | 2.61 | 13MO200 |
| 2-1/2" | **300** | **150** | 3.14 | 13MO250 |
| 3" | **200** | **100** | 3.67 | 13MO300 |
| 4" | **100** | **75** | 4.78 | 13MO400 |
| 6" | **75** | **50** | 6.69 | 13MO600 |
| 8" [2] | **50** | **40** | 8.69 | 13MO800 |
| 10" [2] | **40** | **30** | 10.69 | 13MO1000 |
| 12" [2] | **30** | **25** | 12.69 | 13MO1200 |

[1] 1" - 3" nuts tightened to 20 in-lb, 4" to 30 in-lb, 6" to 40 in-lb, and 8" - 12" 50 in-lb of torque.
[2] 2-bolt configuration

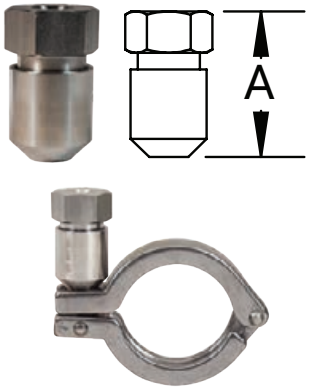
## Dairy Clamps - 13WGC




| Tube O.D. | Service Pressure Rating PSI @ 70°F (21°C)[1] | Service Pressure Rating PSI @ 250°F (121°C)[1] | A (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1" - 1-1/2" | **100** | **75** | 2.08 | 13WGC100-150 |
| 2" | **100** | **75** | 2.61 | 13WGC200 |
| 2-1/2" | **100** | **75** | 3.14 | 13WGC250 |
| 3" | **100** | **75** | 3.67 | 13WGC300 |
| 4" | **100** | **75** | 4.78 | 13WGC400 |

[1]Finger tight

## Spring Loaded Nut - 13SLN




**Features**
- Lines using PTFE gaskets that are subject to large temperature swings can benefit from this special product, as the PTFE is compressed through the cycling of the lines, the spring loaded nut will help keep the connection from leaking
- Ideal for use in high vibration applications where standard wing nuts can loosen and where bolted clamps are not an option

**Specification**
- Torque to 50 in-lb

| Thread | A (in) | 304 Stainless Steel Part # |
|---|---|---|
| 5/16" - 18 | 1.73 | 13SLN |

NOTE: Can be used on all wing nut style clamps.



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## Accessories

| Description | 304 Stainless Steel Part # |
|---|---|
| cross hole wing nut 5/16"-18 | 13WNX |



| Description | 304 Stainless Steel Part # |
|---|---|
| mini cross hole wing nut 5/16"-18 for 1/2" - 3/4" clamps | 13WNXM |



| Description | 304 Stainless Steel Part # |
|---|---|
| serrated wing nut 5/16"-18 | 13WNS |



| Description | 304 Stainless Steel Part # |
|---|---|
| hex nut 5/16"-18 | 13WNH |



| Description | Part # |
|---|---|
| brass 3/8-16 nuts used on bolted clamps | 13BNH |



| Description | 304 Stainless Steel Part # |
|---|---|
| stainless steel hex nut for bolted clamps | 13SN |



| Description | 304 Stainless Steel Part # |
|---|---|
| 3/8" 304 stainless steel lock washer | 13LW |



| Description | 304 Stainless Steel Part # |
|---|---|
| bolt 3/8"-16 x 2-1/4" for 1/2" - 1-1/2" bolted clamps | 13CB-2.25 |
| bolt 3/8"-16 x 2-3/4" for 2" and 2-1/2" bolted clamps | 13CB-2.75 |
| bolt 3/8"-16 x 3-1/4" for 3" - 12" bolted clamps | 13CB-3.25 |



| Description | 304 Stainless Steel Part # |
|---|---|
| rivet pin for 1/2" - 5" single pin clamps 5/16" x 1" | 13RP |
| rivet pin for 6" and 8" single pin clamps 5/16" x 1-1/8" | 13RP6 |

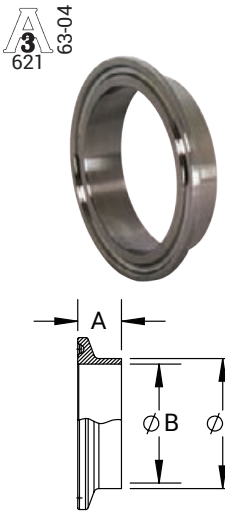


| Description | 304 Stainless Steel Part # |
|---|---|
| 5/16"-18 x 2" threaded eye bolt for 1/2" - 5" clamps | 13IB |



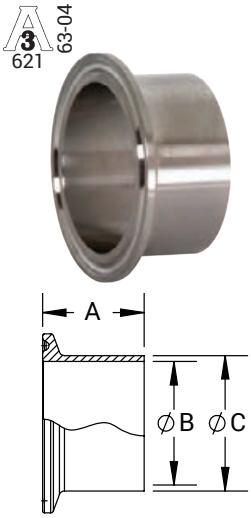
# Clamp Fittings - Ferrules

## Short Weld Ferrules - 14WMP




| Tube O.D. | A (in) | B (in) | C (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/2" | .50 | .37 | .50 | 14WMP-G50 | 14WMP-R50 |
| 3/4" | .50 | .62 | .75 | 14WMP-G75 | 14WMP-R75 |
| 1" | .50 | .87 | 1.00 | 14WMP-G100 | 14WMP-R100 |
| 1-1/2" | .50 | 1.37 | 1.50 | 14WMP-G150 | 14WMP-R150 |
| 2" | .50 | 1.87 | 2.00 | 14WMP-G200 | 14WMP-R200 |
| 2-1/2" | .50 | 2.37 | 2.50 | 14WMP-G250 | 14WMP-R250 |
| 3" | .50 | 2.87 | 3.00 | 14WMP-G300 | 14WMP-R300 |
| 4" | .62 | 3.83 | 4.00 | 14WMP-G400 | 14WMP-R400 |
| 5" | .75 | 4.78 | 5.00 | 14WMP-G500 | 14WMP-R500 |
| 6" | .88 | 5.78 | 6.00 | 14WMP-G600 | 14WMP-R600 |
| 8" | .88 | 7.78 | 8.00 | 14WMP-G800 | 14WMP-R800 |
| 10" | .88 | 9.76 | 10.00 | 14WMP-G1000 | 14WMP-R1000 |
| 12" | .88 | 11.76 | 12.00 | 14WMP-G1200 | 14WMP-R1200 |

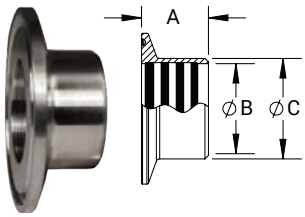
## Long Weld Ferrules - L14AM7




| Tube O.D. | A (in) | B (in) | C (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/2" | 1.13 | .37 | .50 | L14AM7-G50 | L14AM7-R50 |
| 3/4" | 1.13 | .62 | .75 | L14AM7-G75 | L14AM7-R75 |
| 1" | 1.13 | .87 | 1.00 | L14AM7-G100 | L14AM7-R100 |
| 1-1/2" | 1.13 | 1.37 | 1.50 | L14AM7-G150 | L14AM7-R150 |
| 2" | 1.13 | 1.87 | 2.00 | L14AM7-G200 | L14AM7-R200 |
| 2-1/2" | 1.13 | 2.37 | 2.50 | L14AM7-G250 | L14AM7-R250 |
| 3" | 1.13 | 2.87 | 3.00 | L14AM7-G300 | L14AM7-R300 |
| 4" | 1.13 | 3.83 | 4.00 | L14AM7-G400 | L14AM7-R400 |
| 5" | 1.13 | 4.78 | 5.00 | L14AM7-G500 | L14AM7-R500 |
| 6" | 1.50 | 5.78 | 6.00 | L14AM7-G600 | L14AM7-R600 |
| 8" | 1.50 | 7.78 | 8.00 | L14AM7-G800 | L14AM7-R800 |
| 10" | 1.75 | 9.76 | 10.00 | L14AM7-G1000 | L14AM7-R1000 |
| 12" | 1.75 | 11.76 | 12.00 | L14AM7-G1200 | L14AM7-R1200 |

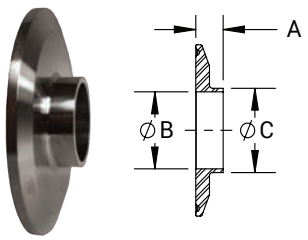
M

## Reducing Roll-on Ferrules for Expanding - B31RMP




| Clamp End | Tube O.D. | A (in) | B (in) | C (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|---|
| 2" | 1" | .75 | 1.00 | 1.16 | B31RMP-G200100 |
| 2" | 1-1/2" | 1.13 | 1.50 | 1.68 | B31RMP-G200150 |

## Reducing Ferrules - B31WMP

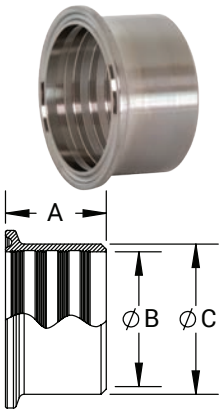



| Tube O.D. | A (in) | B (in) | C (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 2" x 1" | .50 | .87 | 1.00 | B31WMP-G200100 | B31WMP-R200100 |
| 2" x 1-1/2" | .50 | 1.37 | 1.50 | B31WMP-G200150 | B31WMP-R200150 |
| 2-1/2" x 1-1/2" | .50 | 1.37 | 1.50 | B31WMP-G250150 | B31WMP-R250150 |
| 2-1/2" x 2" | .50 | 1.87 | 2.00 | B31WMP-G250200 | B31WMP-R250200 |
| 3" x 2" | .50 | 1.87 | 2.00 | B31WMP-G300200 | B31WMP-R300200 |
| 3" x 2-1/2" | .50 | 2.37 | 2.50 | B31WMP-G300250 | B31WMP-R300250 |
| 4" x 2" | .63 | 1.87 | 2.00 | B31WMP-G400200 | B31WMP-R400200 |
| 4" x 2-1/2" | .63 | 2.37 | 2.50 | B31WMP-G400250 | B31WMP-R400250 |
| 4" x 3" | .63 | 2.87 | 3.00 | B31WMP-G400300 | B31WMP-R400300 |

# Clamp Fittings - Ferrules

## Roll-On Ferrules for Expanding - 14RMP

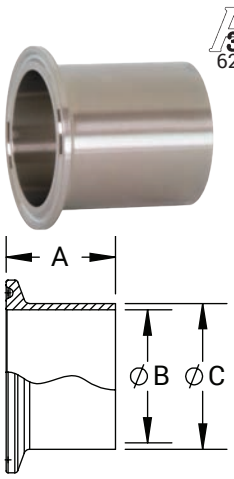
| Tube O.D. | A (in) | B (in) | C (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1" | .75 | 1.01 | 1.16 | 14RMP-G100 | 14RMP-R100 |
| 1-1/2" | 1.13 | 1.51 | 1.68 | 14RMP-G150 | 14RMP-R150 |
| 2" | 1.31 | 2.01 | 2.19 | 14RMP-G200 | 14RMP-R200 |
| 2-1/2" | 1.38 | 2.51 | 2.71 | 14RMP-G250 | 14RMP-R250 |
| 3" | 1.44 | 3.01 | 3.22 | 14RMP-G300 | 14RMP-R300 |
| 4" | 1.50 | 4.01 | 4.26 | 14RMP-G400 | 14RMP-R400 |
| 6" | 2.00 | 6.01 | 6.26 | 14RMP-G600 | --- |




## Automatic Weld Ferrules - TL14AM7

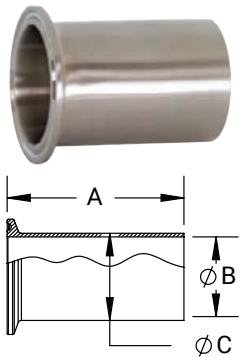
**Approval**
- Meets ASME BPE-2019 specifications

| Tube O.D. | A (in) | B (in) | C (in) | 316L Stainless Steel PL Finish - SF1 Part # | 316L Stainless Steel PM Finish - SF4 Part # |
|---|---|---|---|---|---|
| 1/2" | 1.75 | .37 | .50 | TL14AM7-050PL | TL14AM7-050PM |
| 3/4" | 1.75 | .62 | .75 | TL14AM7-075PL | TL14AM7-075PM |
| 1" | 1.75 | .87 | 1.00 | TL14AM7-100PL | TL14AM7-100PM |
| 1-1/2" | 1.75 | 1.37 | 1.50 | TL14AM7-150PL | TL14AM7-150PM |
| 2" | 2.25 | 1.87 | 2.00 | TL14AM7-200PL | TL14AM7-200PM |
| 2-1/2" | 2.25 | 2.37 | 2.50 | TL14AM7-250PL | TL14AM7-250PM |
| 3" | 2.25 | 2.87 | 3.00 | TL14AM7-300PL | TL14AM7-300PM |
| 4" | 2.25 | 3.83 | 4.00 | TL14AM7-400PL | TL14AM7-400PM |
| 6" | 3.00 | 5.78 | 6.00 | TL14AM7-600PL | TL14AM7-600PM |



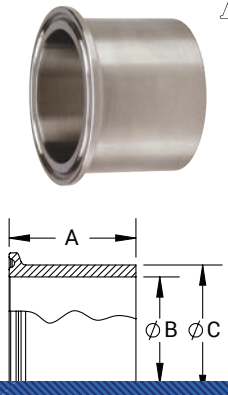

## Tank Ferrules (light duty) - 14WLMP

| Tube O.D. | A (in) | B (in) | C (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1" | 3.00 | .87 | 1.00 | 14WLMP-G100 | 14WLMP-R100 |
| 1-1/2" | 3.00 | 1.37 | 1.50 | 14WLMP-G150 | 14WLMP-R150 |
| 2" | 3.00 | 1.87 | 2.00 | 14WLMP-G200 | 14WLMP-R200 |
| 2-1/2" | 3.00 | 2.37 | 2.50 | 14WLMP-G250 | 14WLMP-R250 |
| 3" | 4.00 | 2.87 | 3.00 | 14WLMP-G300 | 14WLMP-R300 |
| 4" | 4.00 | 3.83 | 4.00 | 14WLMP-G400 | 14WLMP-R400 |
| 6" | 6.00 | 5.78 | 6.00 | 14WLMP-G600 | 14WLMP-R600 |
| 8" | 6.00 | 7.78 | 8.00 | 14WLMP-G800 | 14WLMP-R800 |
| 10" | 6.00 | 9.76 | 10.00 | --- | 14WLMP-R1000 |
| 12" | 6.00 | 11.76 | 12.00 | --- | 14WLMP-R1200 |




## Tank Ferrules (heavy duty) - 14MPW

| Tube O.D. | A (in) | B (in) | C (in) | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | 1.63 | .32 | .50 | 14MPW-R50 |
| 3/4" | 1.63 | .57 | .75 | 14MPW-R75 |
| 1" | 1.63 | .87 | 1.16 | 14MPW-R100 |
| 1-1/2" | 1.63 | 1.37 | 1.68 | 14MPW-R150 |
| 2" | 1.75 | 1.87 | 2.19 | 14MPW-R200 |
| 2-1/2" | 1.75 | 2.37 | 2.71 | 14MPW-R250 |
| 3" | 1.81 | 2.87 | 3.22 | 14MPW-R300 |
| 4" | 2.13 | 3.83 | 4.26 | 14MPW-R400 |
| 6" | 2.50 | 5.76 | 6.19 | 14MPW-R600 |

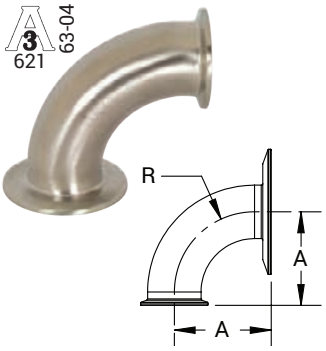


## Clamp Fittings - Elbows



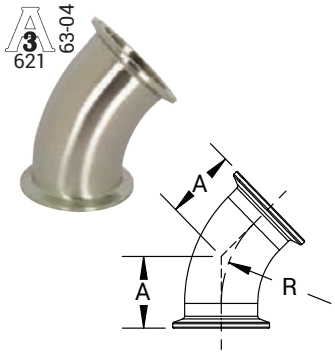

### 90° Clamp Elbows - B2CMP

| Tube O.D. | A (in) | R (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | 1.63 | 1.13 | --- | B2CMP-R50 |
| 3/4" | 1.63 | 1.13 | --- | B2CMP-R75 |
| 1/2" | 3.50 | 1.13 | --- | B2CMPL-R50 |
| 3/4" | 3.50 | 1.13 | --- | B2CMPL-R75 |
| 1" | 2.00 | 1.50 | B2CMP-G100 | B2CMP-R100 |
| 1-1/2" | 2.75 | 2.25 | B2CMP-G150 | B2CMP-R150 |
| 2" | 3.50 | 3.00 | B2CMP-G200 | B2CMP-R200 |
| 2-1/2" | 4.25 | 3.75 | B2CMP-G250 | B2CMP-R250 |
| 3" | 5.00 | 4.50 | B2CMP-G300 | B2CMP-R300 |
| 4" | 6.63 | 6.00 | B2CMP-G400 | B2CMP-R400 |
| 6" | 9.88 | 9.00 | B2CMP-G600 | B2CMP-R600 |
| 8" | 12.88 | 12.00 | B2CMP-G800 | B2CMP-R800 |
| 10" | 15.88 | 15.00 | B2CMP-G1000 | --- |
| 12" | 18.88 | 18.00 | B2CMP-G1200 | --- |



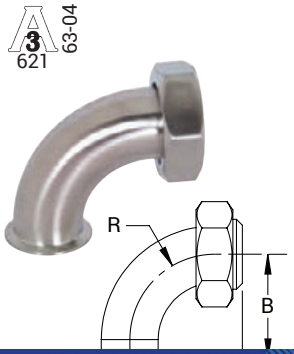

### 90° Non-Tapered Reducing Clamp Elbows - B2CM31MP

| Tube O.D. | A (in) | R (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 2" x 1-1/2" | 2.75 | 2.25 | B2CM31MPG200150 | B2CM31MPR200150 |
| 2-1/2" x 2" | 3.50 | 3.00 | B2CM31MPG250200 | B2CM31MPR250200 |
| 3" x 2" | 3.50 | 3.00 | B2CM31MPG300200 | B2CM31MPR300200 |
| 3" x 2-1/2" | 4.25 | 3.75 | B2CM31MPG300250 | B2CM31MPR300250 |




### 45° Clamp Elbows - B2KMP

| Tube O.D. | A (in) | R (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | .97 | 1.13 | --- | B2KMP-R50 |
| 3/4" | .97 | 1.13 | --- | B2KMP-R75 |
| 1" | 1.12 | 1.50 | B2KMP-G100 | B2KMP-R100 |
| 1-1/2" | 1.44 | 2.25 | B2KMP-G150 | B2KMP-R150 |
| 2" | 1.75 | 3.00 | B2KMP-G200 | B2KMP-R200 |
| 2-1/2" | 2.06 | 3.75 | B2KMP-G250 | B2KMP-R250 |
| 3" | 2.37 | 4.50 | B2KMP-G300 | B2KMP-R300 |
| 4" | 3.13 | 6.00 | B2KMP-G400 | B2KMP-R400 |
| 6" | 4.63 | 9.00 | B2KMP-G600 | B2KMP-R600 |
| 8" | 5.85 | 12.00 | B2KMP-G800 | B2KMP-R800 |
| 10" | 7.13 | 15.00 | B2KMP-G1000 | --- |
| 12" | 8.38 | 18.00 | B2KMP-G1200 | --- |




### 90° Clamp x Plain Bevel Seat with Hex Nut Elbows - B2FMP-14

| Tube O.D. | A (in) | B (in) | R (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 2.22 | 2.00 | 1.50 | B2FMP-14-G100 |
| 1-1/2" | 2.97 | 2.75 | 2.25 | B2FMP-14-G150 |
| 2" | 3.75 | 3.50 | 3.00 | B2FMP-14-G200 |
| 2-1/2" | 4.63 | 4.25 | 3.75 | B2FMP-14-G250 |
| 3" | 5.41 | 5.00 | 4.50 | B2FMP-14-G300 |
| 4" | 7.03 | 6.63 | 6.00 | B2FMP-14-G400 |

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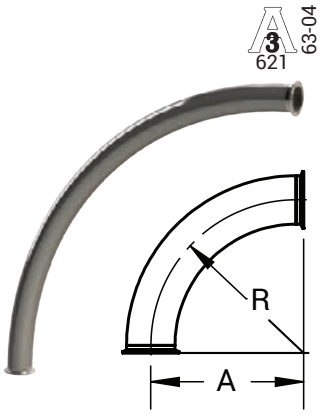
# Clamp Sweep Elbows

**Feature**

- Standard with no tangents. Call Dixon Sanitary 800.789.1718 for tangents, 45°, and other radii

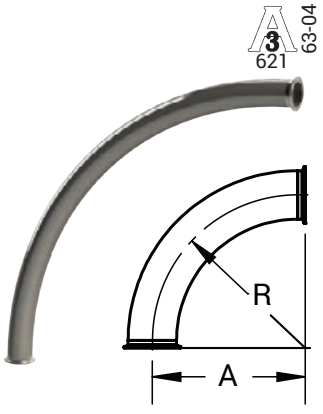
## 12" 90° Clamp Sweep Elbows - B2SXLMP

| Tube O.D. | A (in) | R (in) | 316L Stainless Steel Part # |
|---|---|---|---|
| 1-1/2" | 12.00 | 12.00 | B2SXLMP12-R150 |
| 2" | | | B2SXLMP12-R200 |
| 2-1/2" | | | B2SXLMP12-R250 |
| 3" | | | B2SXLMP12-R300 |
| 4" | | | B2SXLMP12-R400 |



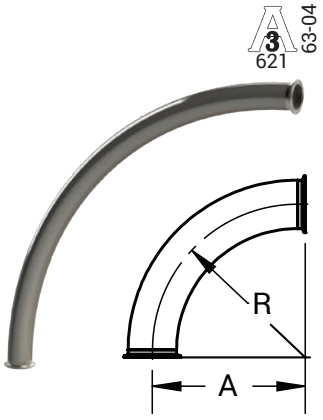

## 18" 90° Clamp Sweep Elbows - B2SXLMP

| Tube O.D. | A (in) | R (in) | 316L Stainless Steel Part # |
|---|---|---|---|
| 1-1/2" | 18.00 | 18.00 | B2SXLMP18-R150 |
| 2" | | | B2SXLMP18-R200 |
| 2-1/2" | | | B2SXLMP18-R250 |
| 3" | | | B2SXLMP18-R300 |
| 4" | | | B2SXLMP18-R400 |




## 24" 90° Clamp Sweep Elbows - B2SXLMP

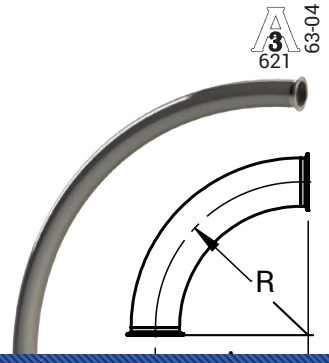
| Tube O.D. | A (in) | R (in) | 316L Stainless Steel Part # |
|---|---|---|---|
| 1-1/2" | 24.00 | 24.00 | B2SXLMP24-R150 |
| 2" | | | B2SXLMP24-R200 |
| 2-1/2" | | | B2SXLMP24-R250 |
| 3" | | | B2SXLMP24-R300 |
| 4" | | | B2SXLMP24-R400 |

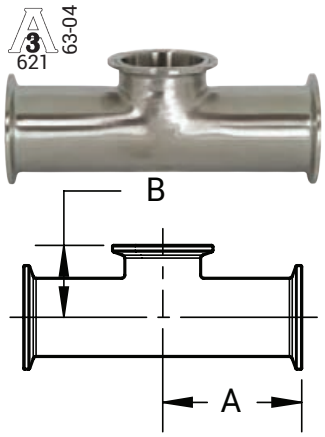





## 36" 90° Clamp Sweep Elbows - B2SXLMP

| Tube O.D. | A (in) | R (in) | 316L Stainless Steel Part # |
|---|---|---|---|
| 3" | 36.00 | 36.00 | B2SXLMP36-R300 |
| 4" | | | B2SXLMP36-R400 |
| 6" | | | B2SXLMP36-R600 |

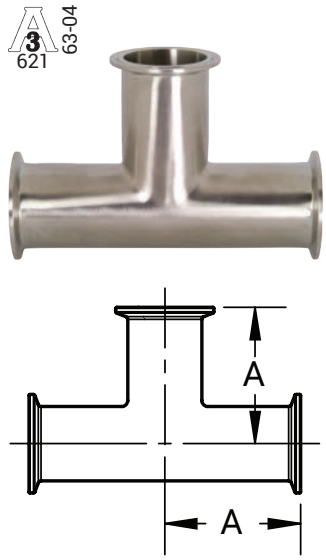





## Clamp Fittings - Tees

### Short Outlet Tees - B7MPS

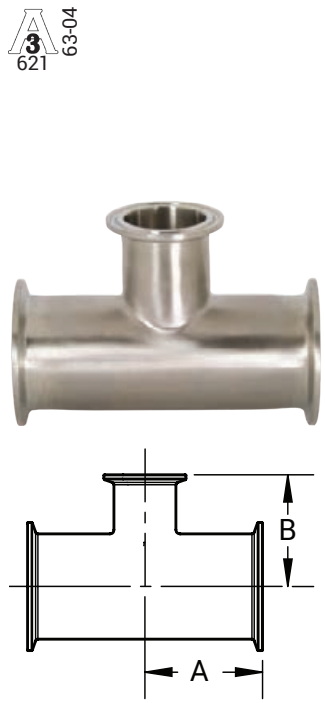
| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 2.38 | 1.13 | B7MPS-G100 | B7MPS-R100 |
| 1-1/2" | 2.75 | 1.38 | B7MPS-G150 | B7MPS-R150 |
| 2" | 3.50 | 1.63 | B7MPS-G200 | B7MPS-R200 |
| 2-1/2" | 3.50 | 1.88 | B7MPS-G250 | B7MPS-R250 |
| 3" | 3.75 | 2.13 | B7MPS-G300 | B7MPS-R300 |
| 4" | 4.50 | 2.75 | B7MPS-G400 | B7MPS-R400 |




### Clamp Tees - B7MP

| Tube O.D. | A (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|
| 1/2" | 2.38 | --- | B7MP-R50 |
| 3/4" | 2.50 | --- | B7MP-R75 |
| 1" | 2.38 | B7MP-G100 | B7MP-R100 |
| 1-1/2" | 2.75 | B7MP-G150 | B7MP-R150 |
| 2" | 3.50 | B7MP-G200 | B7MP-R200 |
| 2-1/2" | 3.50 | B7MP-G250 | B7MP-R250 |
| 3" | 3.75 | B7MP-G300 | B7MP-R300 |
| 4" | 4.50 | B7MP-G400 | B7MP-R400 |
| 6" | 6.50 | B7MP-G600 | B7MP-R600 |
| 8" | 7.88 | B7MP-G800 | B7MP-R800 |
| 10" | 9.38 | B7MP-G1000 | --- |
| 12" | 10.88 | B7MP-G1200 | --- |

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### Clamp Reducing Tees - B7RMP

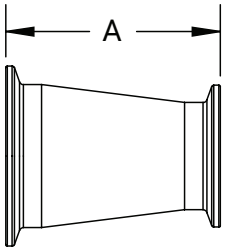
| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 3/4" x 1/2" | 2.50 | 2.50 | --- | B7RMP-R7550 |
| 1" x 1/2" | 2.63 | 2.63 | --- | B7RMP-R10050 |
| 1" x 3/4" | 2.63 | 2.63 | --- | B7RMP-R10075 |
| 1-1/2" x 1/2" | 2.88 | 2.88 | --- | B7RMP-R15050 |
| 1-1/2" x 3/4" | 2.88 | 2.88 | --- | B7RMP-R15075 |
| 1-1/2" x 1" | 2.16 | 1.88 | B7RMP-G150100 | B7RMP-R150100 |
| 2" x 1/2" | 3.38 | 3.13 | --- | B7RMP-R20050 |
| 2" x 3/4" | 3.38 | 3.13 | --- | B7RMP-R20075 |
| 2" x 1" | 2.56 | 2.13 | B7RMP-G200100 | B7RMP-R200100 |
| 2" x 1-1/2" | 2.56 | 2.41 | B7RMP-G200150 | B7RMP-R200150 |
| 2-1/2" x 1-1/2" | 2.84 | 2.66 | B7RMP-G250150 | B7RMP-R250150 |
| 2-1/2" x 2" | 2.84 | 2.81 | B7RMP-G250200 | B7RMP-R250200 |
| 3" x 1-1/2" | 3.09 | 2.91 | B7RMP-G300150 | B7RMP-R300150 |
| 3" x 2" | 3.09 | 3.06 | B7RMP-G300200 | B7RMP-R300200 |
| 3" x 2-1/2" | 3.09 | 3.09 | B7RMP-G300250 | B7RMP-R300250 |
| 4" x 1-1/2" | 4.06 | 3.41 | B7RMP-G400150 | B7RMP-R400150 |
| 4" x 2" | 4.06 | 3.56 | B7RMP-G400200 | B7RMP-R400200 |
| 4" x 2-1/2" | 4.06 | 3.59 | B7RMP-G400250 | B7RMP-R400250 |
| 4" x 3" | 4.06 | 3.59 | B7RMP-G400300 | B7RMP-R400300 |

## Clamp Reducers

### Clamp Concentric Reducers - B3114MP

3-A 621 63-04





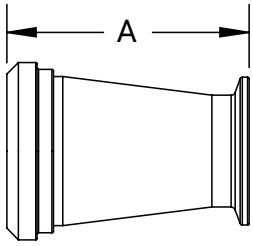

| Tube O.D. | A (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|
| 3/4" x 1/2" | 2.00 | --- | B3114MP-R7550 |
| 1" x 1/2" | 3.00 | --- | B3114MP-R10050 |
| 1" x 3/4" | 2.00 | --- | B3114MP-R10075 |
| 1-1/2" x 1/2" | 5.00 | --- | B3114MP-R15050 |
| 1-1/2" x 3/4" | 4.00 | --- | B3114MP-R15075 |
| 1-1/2" x 1" | 3.00 | B3114MP-G150100 | B3114MP-R150100 |
| 2" x 1/2" | 7.00 | --- | B3114MP-R20050 |
| 2" x 3/4" | 6.00 | --- | B3114MP-R20075 |
| 2" x 1" | 5.00 | B3114MP-G200100 | B3114MP-R200100 |
| 2" x 1-1/2" | 3.00 | B3114MP-G200150 | B3114MP-R200150 |
| 2-1/2" x 1-1/2" | 5.00 | B3114MP-G250150 | B3114MP-R250150 |
| 2-1/2" x 2" | 3.00 | B3114MP-G250200 | B3114MP-R250200 |
| 3" x 1" | 9.00 | B3114MP-G300100 | B3114MP-R300100 |
| 3" x 1-1/2" | 7.00 | B3114MP-G300150 | B3114MP-R300150 |
| 3" x 2" | 5.00 | B3114MP-G300200 | B3114MP-R300200 |
| 3" x 2-1/2" | 3.00 | B3114MP-G300250 | B3114MP-R300250 |
| 4" x 1-1/2" | 11.13 | B3114MP-G400150 | B3114MP-R400150 |
| 4" x 2" | 9.13 | B3114MP-G400200 | B3114MP-R400200 |
| 4" x 2-1/2" | 7.13 | B3114MP-G400250 | B3114MP-R400250 |
| 4" x 3" | 5.13 | B3114MP-G400300 | B3114MP-R400300 |
| 6" x 2" | 6.88 | B3114MP-G600200 | B3114MP-R600200 |
| 6" x 3" | 6.88 | B3114MP-G600300 | B3114MP-R600300 |
| 6" x 4" | 7.00 | B3114MP-G600400 | B3114MP-R600400 |
| 8" x 4" | 7.50 | B3114MP-G800400 | B3114MP-R800400 |
| 8" x 6" | 7.75 | B3114MP-G800600 | B3114MP-R800600 |

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### Plain Bevel Seat x Clamp Concentric Reducers - B14C31

3-A 621 63-04



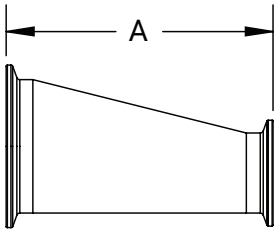



| Tube O.D. | A (in) | 304 Stainless Steel Part # |
|---|---|---|
| 1-1/2" x 1" | 3.22 | B14C31-G150100[1] |
| 2" x 1-1/2" | 3.25 | B14C31-G200150 |
| 2-1/2" x 1-1/2" | 5.38 | B14C31-G250150 |
| 2-1/2" x 2" | 3.38 | B14C31-G250200 |
| 3" x 1-1/2" | 7.41 | B14C31-G300150 |
| 3" x 2" | 5.41 | B14C31-G300200 |
| 3" x 2-1/2" | 3.41 | B14C31-G300250 |

[1] Comes with 13H-G150, hex nut cannot be assembled on fitting after welding

3-A 63-04 621






## Clamp Reducers

### Clamp Eccentric Reducers - B3214MP

| Tube O.D. | A (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|
| 3/4" x 1/2" | 2.00 | --- | B3214MP-R7550 |
| 1" x 1/2" | 3.00 | --- | B3214MP-R10050 |
| 1" x 3/4" | 2.00 | --- | B3214MP-R10075 |
| 1-1/2" x 1/2" | 5.00 | --- | B3214MP-R15050 |
| 1-1/2" x 3/4" | 4.00 | --- | B3214MP-R15075 |
| 1-1/2" x 1" | 3.00 | B3214MP-G150100 | B3214MP-R150100 |
| 2" x 1/2" | 7.00 | --- | B3214MP-R20050 |
| 2" X 3/4" | 6.00 | --- | B3214MP-R20075 |
| 2" x 1" | 5.00 | B3214MP-G200100 | B3214MP-R200100 |
| 2" x 1-1/2" | 3.00 | B3214MP-G200150 | B3214MP-R200150 |
| 2-1/2" x 1-1/2" | 5.00 | B3214MP-G250150 | B3214MP-R250150 |
| 2-1/2" x 2" | 3.00 | B3214MP-G250200 | B3214MP-R250200 |
| 3" x 1" | 9.00 | B3214MP-G300100 | B3214MP-R300100 |
| 3" x 1-1/2" | 7.00 | B3214MP-G300150 | B3214MP-R300150 |
| 3" x 2" | 5.00 | B3214MP-G300200 | B3214MP-R300200 |
| 3" x 2-1/2" | 3.00 | B3214MP-G300250 | B3214MP-R300250 |
| 4" x 1-1/2" | 11.13 | B3214MP-G400150 | B3214MP-R400150 |
| 4" x 2" | 9.13 | B3214MP-G400200 | B3214MP-R400200 |
| 4" x 2-1/2" | 7.13 | B3214MP-G400250 | B3214MP-R400250 |
| 4" x 3" | 5.13 | B3214MP-G400300 | B3214MP-R400300 |
| 6" x 3" | 6.88 | B3214MP-G600300 | B3214MP-R600300 |
| 6" x 4" | 7.00 | B3214MP-G600400 | B3214MP-R600400 |
| 8" x 4" | 7.50 | B3214MP-G800400 | B3214MP-R800400 |
| 8" x 6" | 7.75 | B3214MP-G800600 | B3214MP-R800600 |

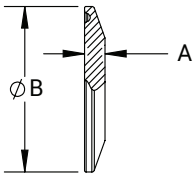
# Clamp Fittings - Caps



## Solid End Caps - 16AMP

| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" - 3/4" | .25 | .99 | 16AMP-G50-75 | 16AMP-R50-75 |
| 1" - 1-1/2" | .25 | 1.98 | 16AMP-G100-150 | 16AMP-R100-150 |
| 2" - 2-1/2" | .25 | 2.52 | 16AMP-G200 | 16AMP-R200 |
| 2.5" | .25 | 3.05 | 16AMP-G250 | 16AMP-R250 |
| 3" | .25 | 3.58 | 16AMP-G300 | 16AMP-R300 |
| 4" | .31 | 4.68 | 16AMP-G400 | 16AMP-R400 |
| 5" | .38 | 5.69 | 16AMP-G500 | 16AMP-R500 |
| 6" | .44 | 6.56 | 16AMP-G600 | 16AMP-R600 |
| 8" | .44 | 8.60 | 16AMP-G800 | 16AMP-R800 |
| 10" | .44 | 1.57 | 16AMP-G1000 | 16AMP-R1000 |
| 12" | .44 | 12.57 | 16AMP-G1200 | 16AMP-R1200 |

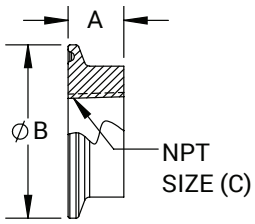





## Thermometer Caps - B23BMP

| Tube O.D. | A (in) | B (in) | C[1] (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/2" | .50 | .99 | 1/4" | -- | B23BMP-R5014 |
| 3/4" | .50 | .99 | 1/4" | -- | B23BMP-R7514 |
| 1" | .63 | 1.98 | 3/4" | B23BMP-G100 | B23BMP-R100 |
| 1-1/2" | .63 | 1.98 | 1/4" | -- | B23BMP-R15025 |
| | .63 | 1.98 | 1/2" | B23BMP-G15050 | B23BMP-R15050 |
| | .63 | 1.98 | 3/4" | B23BMP-G150 | B23BMP-R150 |
| 2" | .63 | 2.52 | 1/4" | -- | B23BMP-R20025 |
| | .63 | 2.52 | 1/2" | B23BMP-G20050 | B23BMP-R20050 |
| | .63 | 2.52 | 3/4" | B23BMP-G200 | B23BMP-R200 |
| | .63 | 2.52 | 1" | -- | B23BMP-R200100 |
| | .63 | 2.52 | 1-1/2" | -- | B23BMP-R200150 |
| 2-1/2" | .63 | 3.05 | 3/4" | B23BMP-G250 | B23BMP-R250 |
| 3" | .63 | 3.58 | 1/4" | B23BMP-G30025 | B23BMP-R30025 |
| | .63 | 3.58 | 1/2" | B23BMP-G30050 | B23BMP-R30050 |
| | .63 | 3.58 | 3/4" | B23BMP-G300 | B23BMP-R300 |
| | .63 | 3.58 | 1" | B23BMP-G300100 | B23BMP-R300100 |
| | .63 | 3.58 | 2" | B23BMP-G300200 | B23BMP-R300200 |
| 4" | .63 | 4.68 | 3/4" | B23BMP-G400 | B23BMP-R400 |






[1]Other NPT tap sizes available; call Dixon Sanitary at 800.789.1718.

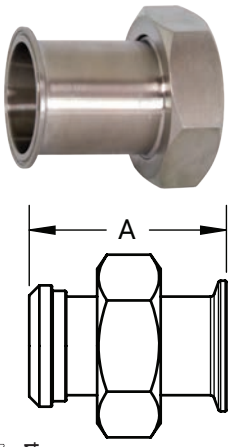


GOODYEAR RUBBER PRODUCTS, INC.
727-342-5088
You can also email us at GRP@goodyearrubberproducts.com

## Clamp Adapters

3A 621 63-04

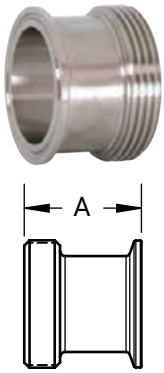
### Clamp x Plain Bevel Seat Adapters with Hex Nut - 17MP-14




| Tube O.D. | A (in) | 304 Stainless Steel Part # |
|---|---|---|
| 1" | 3.00 | 17MP-14-G100 |
| 1-1/2" | 3.00 | 17MP-14-G150 |
| 2" | 3.00 | 17MP-14-G200 |
| 2-1/2" | 3.50 | 17MP-14-G250 |
| 3" | 3.75 | 17MP-14-G300 |
| 4" | 4.00 | 17MP-14-G400 |

3A 621 63-04

### Clamp x Threaded Bevel Seat Adapters - 17MP-15

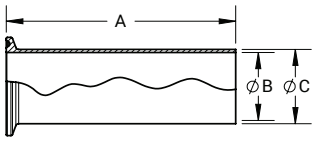



| Tube O.D. | A (in) | 304 Stainless Steel Part # |
|---|---|---|
| 1" | 1.84 | 17MP-15-G100 |
| 1-1/2" | 1.84 | 17MP-15-G150 |
| 2" | 1.88 | 17MP-15-G200 |
| 2-1/2" | 2.00 | 17MP-15-G250 |
| 3" | 2.03 | 17MP-15-G300 |
| 4" | 2.16 | 17MP-15-G400 |

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### Tygon® Hose Adapters - 14MPHT






| Tube O.D. | A (in) | B (in) | C (in) | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | 4.00 | .37 | .50 | 14MPHT-R50 |
| 3/4" | 4.00 | .62 | .75 | 14MPHT-R75 |
| 1" | 4.50 | .87 | 1.00 | 14MPHT-R100 |
| 1-1/2" | 4.50 | 1.37 | 1.50 | 14MPHT-R150 |
| 2" | 4.50 | 1.87 | 2.00 | 14MPHT-R200 |
| 2-1/2" | 4.50 | 2.37 | 2.50 | 14MPHT-R250 |
| 3" | 4.50 | 2.87 | 3.00 | 14MPHT-R300 |
| 4" | 4.63 | 3.83 | 4.00 | 14MPHT-R400 |
| 6" | 6.00 | 5.88 | 6.00 | 14MPHT-R600 |

1. Make sure the I.D. of the hose is slightly bigger than the O.D. of the fitting.
2. Insert 14MPHT fitting into the I.D. of the hose, so that the hose is 1/2" away from the clamp connection.
3. Use a band clamp to secure the hose to the 14MPHT.

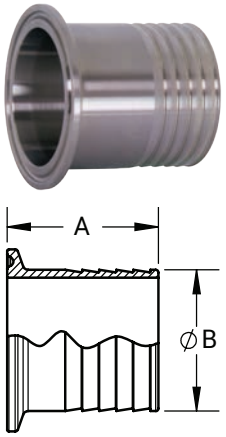
NOTE: 3A certification is for fitting alone. The fitting attached to a hose does not retain the 3A certification nor does it make the hose assembly 3A certified.

DIXON
The Right Connection®

## Clamp Fittings - Adapters

### Rubber Hose Adapters - 14MPHR

| Tube O.D. | Hose Size | A (in) | B (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/2" | 1/8" | 1.25 | .15 | -- | 14MPHR-R50125 |
| | 1/4" | 1.50 | .29 | -- | 14MPHR-R5025 |
| | 3/8" | 1.50 | .42 | -- | 14MPHR-R50375 |
| | 1/2" | 1.50 | .54 | -- | 14MPHR-R50 |
| | 3/4" | 1.50 | .79 | -- | 14MPHR-R5075 |
| 3/4" | 1/8" | 1.50 | .15 | -- | 14MPHR-R75125 |
| | 1/4" | 1.50 | .29 | -- | 14MPHR-R7525 |
| | 3/8" | 1.50 | .42 | -- | 14MPHR-R75375 |
| | 1/2" | 1.50 | .54 | -- | 14MPHR-R7550 |
| | 3/4" | 1.50 | .79 | -- | 14MPHR-R75 |
| | 5/8" | 1.50 | .67 | -- | 14MPHR-R75625 |
| 1" | 1/4" | 1.69 | .29 | -- | 14MPHR-R10025 |
| | 3/8" | 1.50 | .42 | 14MPHR-G100375 | 14MPHR-R100375 |
| | 1/2" | 1.50 | .54 | 14MPHR-G10050 | 14MPHR-R10050 |
| | 3/4" | 1.69 | .79 | 14MPHR-G10075 | 14MPHR-R10075 |
| | 1" | 1.69 | 1.04 | 14MPHR-G100 | 14MPHR-R100 |
| 1-1/2" | 1/8" | 1.50 | .17 | 14MPHR-G150125 | 14MPHR-R150125 |
| | 1/4" | 1.50 | .29 | -- | 14MPHR-R15025 |
| | 3/8" | 1.50 | .42 | 14MPHR-G150375 | 14MPHR-R150375 |
| | 1/2" | 1.50 | .54 | 14MPHR-G15050 | 14MPHR-R15050 |
| | 5/8" | 1.50 | .79 | 14MPHR-G150625 | 14MPHR-R150625 |
| | 3/4" | 1.50 | .67 | 14MPHR-G15075 | 14MPHR-R15075 |
| | 1" | 1.69 | 1.04 | 14MPHR-G150100 | 14MPHR-R150100 |
| | 1-1/4" | 1.69 | 1.29 | -- | 14MPHR-R150-125 |
| | 1-1/2" | 1.69 | 1.54 | 14MPHR-G150 | 14MPHR-R150 |
| 2" | 1/8" | 2.31 | .17 | 14MPHR-G200125 | 14MPHR-R200125 |
| | 1/2" | 2.31 | .54 | -- | 14MPHR-R20050 |
| | 5/8" | 2.31 | .67 | 14MPHR-G200625 | -- |
| | 3/4" | 2.31 | .79 | 14MPHR-G20075 | 14MPHR-R20075 |
| | 1" | 2.31 | 1.04 | 14MPHR-G200100 | -- |
| | 1-1/2" | 2.31 | 1.54 | 14MPHR-G200150 | 14MPHR-R200150 |
| | 2" | 2.31 | 2.04 | 14MPHR-G200 | 14MPHR-R200 |
| 2-1/2" | 1" | 2.34 | 1.04 | 14MPHR-G250100 | -- |
| | 2-1/2" | 2.34 | 2.54 | 14MPHR-G250 | 14MPHR-R250 |
| 3" | 3" | 3.09 | 3.04 | 14MPHR-G300 | 14MPHR-R300 |
| 4" | 3" | 3.41 | 3.04 | -- | 14MPHR-R400300 |
| | 4" | 3.41 | 4.04 | 14MPHR-G400 | 14MPHR-R400 |
| 6" | 6" | 3.41 | 6.04 | 14MPHR-G600 | 14MPHR-R600 |
| 8" | 8" | 3.41 | 8.04 | 14MPHR-G800 | 14MPHR-R800 |
| 10" | 10" | 3.40 | 1.04 | 14MPHR-G1000 | -- |



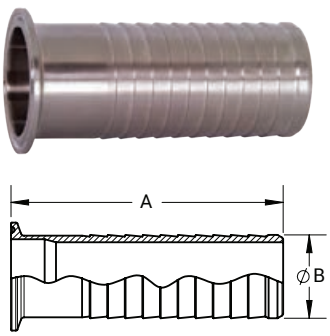

1. Make sure the I.D. of the hose is slightly bigger than the O.D. of the fitting.
2. Insert 14MPHR fitting into the I.D. of the hose, so that the hose is 1/2" away from the clamp connection.
3. Use a band clamp to secure the hose to the 14MPHR.

### Brewery Hose Barb Adapters - 14MPHRL

**Application**

- Suitable for use with band clamps

| Size | A (in) | B (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1/2" | 3.35 | .53 | 14MPHRL50 |
| 3/4" | 3.35 | .81 | 14MPHRL75 |
| 1" | 3.50 | 1.05 | 14MPHRL100 |
| 1-1/2" | 5.00 | 1.55 | 14MPHRL150 |
| 2" | 5.00 | 2.05 | 14MPHRL200 |
| 2-1/2" | 5.50 | 2.55 | 14MPHRL250 |
| 3" | 5.50 | 3.05 | 14MPHRL300 |
| 4" | 5.50 | 4.05 | 14MPHRL400 |
| 6" | 5.50 | 6.05 | 14MPHRL600 |



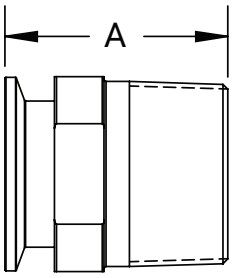

NOTE: Use of PVC tubing requires special techniques to prevent leakage. All assembly

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## Clamp Fittings - Adapters

### Male NPT Adapters - 21MP





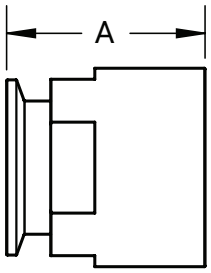

| Tube O.D. | NPT Size | A (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | 1/8" | 2.00 | -- | 21MP-R50125 |
| | 1/4" | 2.00 | -- | 21MP-R5025 |
| | 3/8" | 2.00 | -- | 21MP-R50375 |
| | 1/2" | 1.63 | -- | 21MP-R50 |
| | 3/4" | 2.00 | -- | 21MP-R5075 |
| 3/4" | 1/4" | 2.00 | -- | 21MP-R7525 |
| | 3/8" | 2.00 | -- | 21MP-R75375 |
| | 1/2" | 2.00 | -- | 21MP-R7550 |
| | 3/4" | 1.79 | -- | 21MP-R75 |
| | 1" | 2.25 | -- | 21MP-R75100 |
| 1" | 1/8" | 2.19 | 21MP-G100-125 | 21MP-R100-125 |
| | 1/4" | 2.16 | 21MP-G10025 | 21MP-R10025 |
| | 3/8" | 2.16 | 21MP-G100375 | 21MP-R100375 |
| | 1/2" | 2.19 | 21MP-G10050 | 21MP-R10050 |
| | 3/4" | 2.19 | 21MP-G10075 | 21MP-R10075 |
| | 1" | 2.25 | 21MP-G100 | 21MP-R100 |
| | 1-1/4" | 2.44 | 21MP-G100125 | 21MP-R100125 |
| | 1-1/2" | 2.44 | 21MP-G100150 | 21MP-R100150 |
| | 2" | 2.63 | 21MP-G100200 | 21MP-R100200 |
| 1-1/2" | 1/4" | 2.16 | 21MP-G15025 | 21MP-R15025 |
| | 3/8" | 2.16 | 21MP-G150375 | 21MP-R150375 |
| | 1/2" | 2.19 | 21MP-G15050 | 21MP-R15050 |
| | 3/4" | 2.19 | 21MP-G15075 | 21MP-R15075 |
| | 1" | 2.44 | 21MP-G150100 | 21MP-R150100 |
| | 1-1/4" | 2.44 | 21MP-G150125 | 21MP-R150125 |
| | 1-1/2" | 2.25 | 21MP-G150 | 21MP-R150 |
| | 2" | 2.63 | 21MP-G150200 | 21MP-R150200 |
| | 2-1/2" | 3.28 | 21MP-G150250 | 21MP-R150250 |
| 2" | 1/4" | 2.47 | -- | 21MP-R20025 |
| | 1/2" | 2.19 | 21MP-G20050 | 21MP-R20050 |
| | 3/4" | 2.19 | 21MP-G20075 | 21MP-R20075 |
| | 1" | 2.47 | 21MP-G200100 | 21MP-R200100 |
| | 1-1/4" | 2.47 | 21MP-G200125 | 21MP-R200125 |
| | 1-1/2" | 2.63 | 21MP-G200150 | 21MP-R200150 |
| | 2" | 2.64 | 21MP-G200 | 21MP-R200 |
| | 2-1/2" | 3.13 | 21MP-G200250 | 21MP-R200250 |
| | 3" | 3.50 | 21MP-G200300 | 21MP-R200300 |
| | 4" | 3.50 | 21MP-G200400 | 21MP-R200400 |
| 2-1/2" | 1/2" | 2.78 | 21MP-G25050 | 21MP-R25050 |
| | 1" | 2.78 | 21MP-G250100 | 21MP-R250100 |
| | 1-1/2" | 2.78 | 21MP-G250150 | 21MP-R250150 |
| | 2" | 2.78 | 21MP-G250200 | 21MP-R250200 |
| | 2-1/2" | 2.88 | 21MP-G250 | 21MP-R250 |
| | 3" | 3.69 | 21MP-G250300 | 21MP-R250300 |
| 3" | 1" | 3.00 | 21MP-G300100 | 21MP-R300100 |
| | 1-1/2" | 3.00 | 21MP-G300150 | 21MP-R300150 |
| | 2" | 3.00 | 21MP-G300200 | 21MP-R300200 |
| | 2-1/2" | 3.00 | 21MP-G300250 | 21MP-R300250 |
| | 3" | 3.07 | 21MP-G300 | 21MP-R300 |
| | 4" | 3.50 | 21MP-G300400 | 21MP-R300400 |
| 4" | 3" | 3.81 | 21MP-G400300 | 21MP-R400300 |
| | 4" | 3.16 | 21MP-G400 | 21MP-R400 |
| 6" | 6" | 4.50 | 21MP-G600 | 21MP-R600 |

## Clamp Fittings - Adapters

### Female NPT Adapters - 22MP

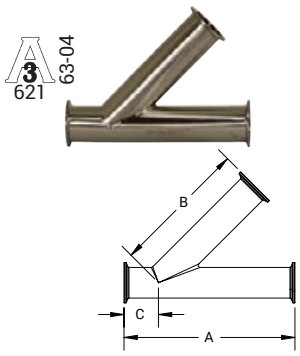
| Tube O.D. | NPT Size | A (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | 1/8" | 1.25 | -- | 22MP-R50-125 |
| | 1/4" | 1.50 | -- | 22MP-R5025 |
| | 3/8" | 1.50 | -- | 22MP-R50375 |
| | 1/2" | 1.50 | -- | 22MP-R50 |
| | 3/4" | 1.63 | -- | 22MP-R5075 |
| | 1" | 1.63 | -- | 22MP-R50100 |
| | 1-1/2" | 2.25 | -- | 22MP-R50150 |
| | 2" | 2.25 | -- | 22MP-R50200 |
| 3/4" | 1/8" | 1.25 | -- | 22MP-R75125 |
| | 1/4" | 1.50 | -- | 22MP-R7525 |
| | 3/8" | 1.50 | -- | 22MP-R75375 |
| | 1/2" | 1.50 | -- | 22MP-R7550 |
| | 3/4" | 1.63 | -- | 22MP-R75 |
| | 1" | 1.63 | -- | 22MP-R75100 |
| 1" | 1/8" | 1.63 | 22MP-G100-125 | 22MP-R100-125 |
| | 1/4" | 1.63 | 22MP-G10025 | 22MP-R10025 |
| | 3/8" | 1.63 | 22MP-G100375 | 22MP-R100375 |
| | 1/2" | 1.63 | 22MP-G10050 | 22MP-R10050 |
| | 3/4" | 1.63 | 22MP-G10075 | 22MP-R10075 |
| | 1" | 1.63 | 22MP-G100 | 22MP-R100 |
| | 1-1/4" | 1.63 | 22MP-G100125 | 22MP-R100125 |
| | 1-1/2" | 1.63 | 22MP-G100150 | 22MP-R100150 |
| | 2" | 1.63 | 22MP-G100200 | 22MP-R100200 |
| 1-1/2" | 1/8" | 1.63 | 22MP-G150-125 | 22MP-R150-125 |
| | 1/4" | 1.63 | 22MP-G15025 | 22MP-R15025 |
| | 3/8" | 1.63 | 22MP-G150375 | 22MP-R150375 |
| | 1/2" | 1.63 | 22MP-G15050 | 22MP-R15050 |
| | 3/4" | 1.63 | 22MP-G15075 | 22MP-R15075 |
| | 1" | 1.63 | 22MP-G150100 | 22MP-R150100 |
| | 1-1/4" | 2.25 | 22MP-G150125 | 22MP-R150125 |
| | 1-1/2" | 2.25 | 22MP-G150 | 22MP-R150 |
| | 2" | 2.25 | 22MP-G150200 | 22MP-R150200 |
| | 2-1/2" | 2.50 | 22MP-G150250 | -- |
| | 3" | 2.50 | -- | 22MP-R150300 |
| 2" | 1/4" | 1.69 | 22MP-G20025 | 22MP-R20025 |
| | 1/2" | 1.69 | 22MP-G20050 | 22MP-R20050 |
| | 3/4" | 1.69 | 22MP-G20075 | 22MP-R20075 |
| | 1" | 1.69 | 22MP-G200100 | 22MP-R200100 |
| | 1-1/4" | 1.69 | 22MP-G200125 | 22MP-R200125 |
| | 1-1/2" | 1.66 | 22MP-G200150 | 22MP-R200150 |
| | 2" | 2.34 | 22MP-G200 | 22MP-R200 |
| | 2-1/2" | 2.41 | 22MP-G200250 | 22MP-R200250 |
| | 3" | 2.41 | 22MP-G200300 | 22MP-R200300 |
| | 4" | 2.91 | 22MP-G200400 | -- |
| 2-1/2" | 3/4" | 1.31 | 22MP-G25075 | 22MP-R25075 |
| | 1" | 1.31 | 22MP-G250100 | 22MP-R250100 |
| | 1-1/2" | 1.66 | 22MP-G250150 | 22MP-R250150 |
| | 2" | 1.72 | 22MP-G250200 | 22MP-R250200 |
| | 2-1/2" | 2.09 | 22MP-G250 | 22MP-R250 |
| | 3" | 2.19 | 22MP-G250300 | 22MP-R250300 |
| 3" | 1" | 2.19 | 22MP-G300100 | 22MP-R300100 |
| | 1-1/2" | 2.19 | 22MP-G300150 | 22MP-R300150 |
| | 2" | 2.19 | 22MP-G300200 | 22MP-R300200 |
| | 2-1/2" | 2.19 | 22MP-G300250 | -- |
| | 3" | 2.19 | 22MP-G300 | 22MP-R300 |
| 4" | 1-1/2" | 2.19 | 22MP-G400150 | 22MP-R400150 |
| | 2" | 2.19 | 22MP-G400200 | 22MP-R400200 |
| | 2-1/2" | 2.19 | 22MP-G400250 | 22MP-R400250 |
| | 3" | 2.19 | 22MP-G400300 | 22MP-R400300 |
| | 4" | 2.63 | 22MP-G400 | 22MP-R400 |





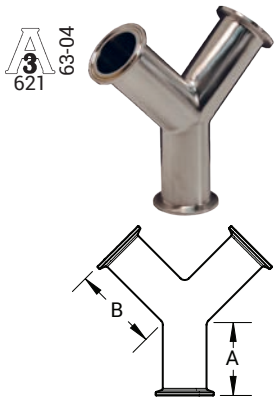

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## Laterals, Wyes, Crosses, Bends, and Flanges




### Clamp Laterals - B28AMP

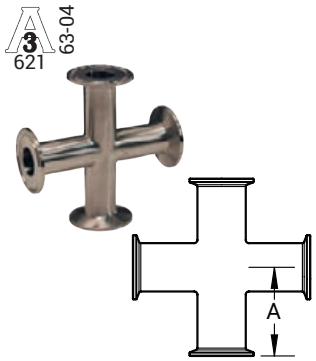
| Tube O.D. | A (in) | B (in) | C (in) | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 7.00 | 5.50 | 1.50 | B28AMP-R100 |
| 1-1/2" | 8.38 | 6.69 | 1.69 | B28AMP-R150 |
| 2" | 9.75 | 7.63 | 2.13 | B28AMP-R200 |
| 2-1/2" | 11.00 | 9.00 | 2.00 | B28AMP-R250 |
| 3" | 11.75 | 9.38 | 2.38 | B28AMP-R300 |
| 4" | 14.06 | 11.31 | 2.64 | B28AMP-R400 |
| 6" | 19.75 | 15.38 | 4.38 | B28AMP-R600 |




### Clamp True Wyes - B28BMP

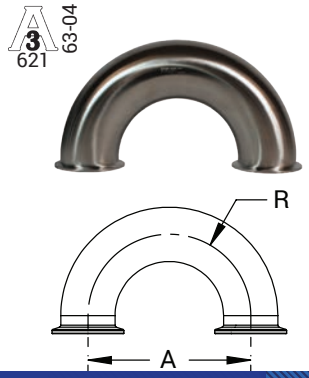
| Tube O.D. | A (in) | B (in) | 316L Stainless Steel Part # |
|---|---|---|---|
| 1" | 2.50 | 2.94 | B28BMP-R100 |
| 1-1/2" | 2.50 | 2.94 | B28BMP-R150 |
| 2" | 3.13 | 3.75 | B28BMP-R200 |
| 2-1/2" | 3.87 | 4.63 | B28BMP-R250 |
| 3" | 4.50 | 5.38 | B28BMP-R300 |
| 4" | 6.00 | 6.00 | B28BMP-R400 |
| 6" | 3.12 | 7.62 | B28BMP-R600 |
| 8" | 3.70 | 8.20 | B28BMP-R800 |

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### Clamp Crosses - B9MP

| Tube O.D. | A (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|
| 1" | 2.38 | B9MP-G100 | B9MP-R100 |
| 1-1/2" | 2.75 | B9MP-G150 | B9MP-R150 |
| 2" | 3.50 | B9MP-G200 | B9MP-R200 |
| 2-1/2" | 3.50 | B9MP-G250 | B9MP-R250 |
| 3" | 3.75 | B9MP-G300 | B9MP-R300 |
| 4" | 4.50 | B9MP-G400 | B9MP-R400 |




### Clamp 180° Return Bends - B2WUMP

**Feature**

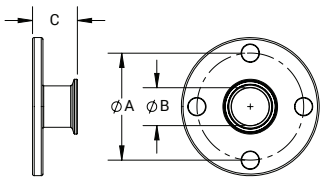
- Bends are 1.5 x tube diameter

| Tube O.D. | A (in) | R (in) | 316L Stainless Steel Part # |
|---|---|---|---|
| 1" | 3.00 | 1.50 | B2WUMP-R100 |
| 1-1/2" | 4.50 | 2.25 | B2WUMP-R150 |
| 2" | 6.00 | 3.00 | B2WUMP-R200 |
| 2-1/2" | 7.50 | 3.75 | B2WUMP-R250 |
| 3" | 9.00 | 4.50 | B2WUMP-R300 |
| 4" | 12.00 | 6.00 | B2WUMP-R400 |

# Laterals, Wyes, Crosses, Bends, and Flanges

## Clamp x 150# Flange Adapters - B38MP






| Tube O.D. | A (in) | B (in) | C (in) | Number & Diameter Bolt Holes | Bolt Circle | 316L Stainless Steel Part # |
|---|---|---|---|---|---|---|
| 1" | 3.13 | .87 | 1.63 | 4/.625 | 3.125 | B38MP-R100 |
| 1-1/2" | 3.88 | 1.37 | 1.63 | 4/.625 | 3.875 | B38MP-R150 |
| 2" | 4.75 | 1.87 | 1.75 | 4/.750 | 4.750 | B38MP-R200 |
| 2-1/2" | 5.50 | 2.37 | 1.75 | 4/.750 | 5.500 | B38MP-R250 |
| 3" | 6.00 | 2.87 | 1.75 | 4/.750 | 6.000 | B38MP-R300 |
| 4" | 7.50 | 3.83 | 1.75 | 8/.750 | 7.500 | B38MP-R400 |
| 6" | 9.50 | 5.78 | 2.13 | 8/.750 | 9.500 | B38MP-R600 |

## Clamp End Protection Covers - BCC

**Application**

- Use these covers to protect all clamp ends on fittings, valves, filters, and pumps





| Size | Vinyl Plastic Blue Part # | Vinyl Plastic Red Part # |
|---|---|---|
| 1/2" | BCC-050 | BCCR-050 |
| 3/4" | BCC-075 | BCCR-075 |
| 1" | BCC-100 | BCCR-100 |
| 1-1/2" | BCC-150 | BCCR-150 |
| 2" | BCC-200 | BCCR-200 |
| 2-1/2" | BCC-250 | BCCR-250 |
| 3" | BCC-300 | BCCR-300 |
| 4" | BCC-400 | BCCR-400 |
| 6" | BCC-600 | BCCR-600 |
| 8" | BCC-800 | -- |

3-A 621
63-04

## Sanitary Spools

Sanitary spools are pre-fabricated lengths of stainless steel tubing with sanitary fittings welded to the ends.



Clamp End



Weld End

### Applications
- Sanitary process lines can be built without having to use on-site fabrication or welding
- OEM skid packages that have predetermined spool specifications: Tube O.D. and length, end connections, and finish

### Sizes
- 1/2" - 8" tube O.D.

### Features
- Clamp connection, standard
- Will fabricate to customer drawings
- Customer part number/logo can be laser etched on each spool

### Materials
- 304 or 316L stainless steel
- Surface finish: 32Ra I.D./O.D., standard

### Primary Markets
- Found in the food processing, beverage, dairy, pet products, wineries and breweries, oil extraction, and industrial markets

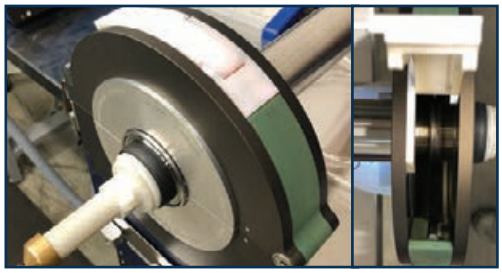
| Size | Material | 12" Part # | 18" Part # | 24" Part # | 36" Part # | 48" Part # |
|---|---|---|---|---|---|---|
| 1-1/2" | 304 stainless steel | S15CC012.000GC | S15CC018.000GC | S15CC024.000GC | S15CC036.000GC | S15CC048.000GC |
| 2" | | S20CC012.000GC | S20CC018.000GC | S20CC024.000GC | S20CC036.000GC | S20CC048.000GC |
| 2-1/2" | | S25CC012.000GC | S25CC018.000GC | S25CC024.000GC | S25CC036.000GC | S25CC048.000GC |
| 3" | | S30CC012.000GC | S30CC018.000GC | S30CC024.000GC | S30CC036.000GC | S30CC048.000GC |
| 4" | | S40CC012.000GC | S40CC018.000GC | S40CC024.000GC | S40CC036.000GC | S40CC048.000GC |
| 1-1/2" | 316L stainless steel | S15CC012.000RC | S15CC018.000RC | S15CC024.000RC | S15CC036.000RC | S15CC048.000RC |
| 2" | | S20CC012.000RC | S20CC018.000RC | S20CC024.000RC | S20CC036.000RC | S20CC048.000RC |
| 2-1/2" | | S25CC012.000RC | S25CC018.000RC | S25CC024.000RC | S25CC036.000RC | S25CC048.000RC |
| 3" | | S30CC012.000RC | S30CC018.000RC | S30CC024.000RC | S30CC036.000RC | S30CC048.000RC |
| 4" | | S40CC012.000RC | S40CC018.000RC | S40CC024.000RC | S40CC036.000RC | S40CC048.000RC |

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NOTE: All part numbers include clamp connections and #7 polish.
For additional sizes and configurations, contact Dixon Sanitary 800.789.1718.

### Manufacturing Process

**Orbital Welding**



**Polishing**

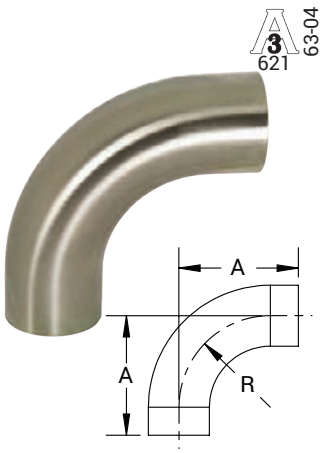


**Laser Etching**



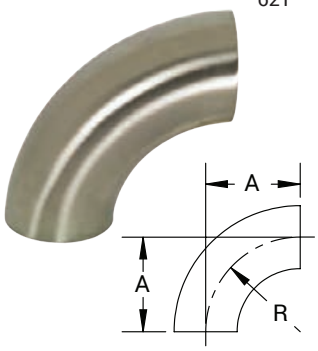
# Weld Elbows

## 90° Weld Elbows with Tangents - B2S



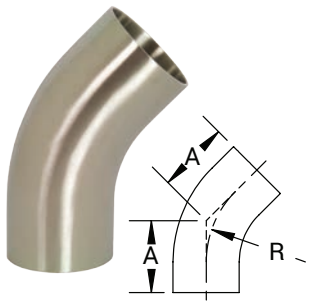

| Tube O.D. | A (in) | R (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/2" | 3.00 | 1.13 | .065 | B2S-G50P | B2S-R50P |
| 3/4" | 3.00 | 1.13 | .065 | B2S-G75P | B2S-R75P |
| 1" | 2.06 | 1.50 | .065 | B2S-G100P | B2S-R100P |
| 1-1/2" | 2.94 | 2.25 | .065 | B2S-G150P | B2S-R150P |
| 2" | 4.06 | 3.00 | .065 | B2S-G200P | B2S-R200P |
| 2-1/2" | 5.19 | 3.75 | .065 | B2S-G250P | B2S-R250P |
| 3" | 6.31 | 4.50 | .065 | B2S-G300P | B2S-R300P |
| 4" | 8.31 | 6.00 | .083 | B2S-G400P | B2S-R400P |
| 6" | 12.46 | 9.00 | .109 | B2S-G600P | B2S-R600P |

## 90° Weld Elbows - B2WCL



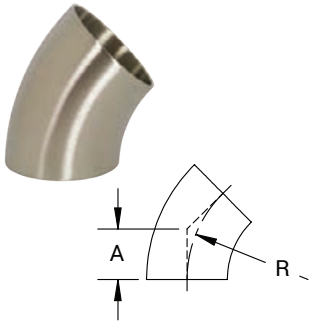

| Tube O.D. | A (in) | R (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/2" | 1.13 | 1.13 | .065 | --- | B2WCL-R50P |
| 3/4" | 1.13 | 1.13 | .065 | --- | B2WCL-R75P |
| 1" | 1.50 | 1.50 | .065 | B2WCL-G100P | B2WCL-R100P |
| 1-1/2" | 2.25 | 2.25 | .065 | B2WCL-G150P | B2WCL-R150P |
| 2" | 3.00 | 3.00 | .065 | B2WCL-G200P | B2WCL-R200P |
| 2-1/2" | 3.75 | 3.75 | .065 | B2WCL-G250P | B2WCL-R250P |
| 3" | 4.50 | 4.50 | .065 | B2WCL-G300P | B2WCL-R300P |
| 4" | 6.00 | 6.00 | .083 | B2WCL-G400P | B2WCL-R400P |
| 6" | 9.00 | 9.00 | .109 | B2WCL-G600P | B2WCL-R600P |
| 8" | 12.00 | 12.00 | .109 | B2WCL-G800P | B2WCL-R800P |
| 10" | 15.00 | 15.00 | .120 | B2WCL-G1000P | B2WCL-R1000P |
| 12" | 18.00 | 18.00 | .120 | --- | B2WCL-R1200P |

## 45° Weld Elbows with Tangents - B2KS




| Tube O.D. | A (in) | R (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/2" | 2.25 | 1.13 | .065 | --- | B2KS-R50P |
| 3/4" | 2.25 | 1.13 | .065 | --- | B2KS-R75P |
| 1" | 1.19 | 1.50 | .065 | B2KS-G100P | B2KS-R100P |
| 1-1/2" | 1.63 | 2.25 | .065 | B2KS-G150P | B2KS-R150P |
| 2" | 2.31 | 3.00 | .065 | B2KS-G200P | B2KS-R200P |
| 2-1/2" | 3.00 | 3.75 | .065 | B2KS-G250P | B2KS-R250P |
| 3" | 3.69 | 4.50 | .065 | B2KS-G300P | B2KS-R300P |
| 4" | 4.81 | 6.00 | .083 | B2KS-G400P | B2KS-R400P |

## 45° Weld Elbows - B2WK

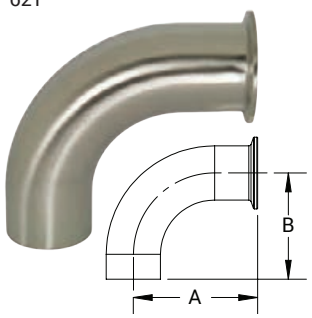



| Tube O.D. | A (in) | R (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/2" | 0.47 | 1.13 | .065 | --- | B2WK-R50P |
| 3/4" | 0.47 | 1.13 | .065 | --- | B2WK-R75P |
| 1" | 0.62 | 1.50 | .065 | B2WK-G100P | B2WK-R100P |
| 1-1/2" | 0.94 | 2.25 | .065 | B2WK-G150P | B2WK-R150P |
| 2" | 1.25 | 3.00 | .065 | B2WK-G200P | B2WK-R200P |
| 2-1/2" | 1.56 | 3.75 | .065 | B2WK-G250P | B2WK-R250P |
| 3" | 1.87 | 4.50 | .065 | B2WK-G300P | B2WK-R300P |
| 4" | 2.50 | 6.00 | .083 | B2WK-G400P | B2WK-R400P |
| 6" | 3.75 | 9.00 | .109 | B2WK-G600P | B2WK-R600P |
| 8" | 4.97 | 12.00 | .109 | B2WK-G800P | B2WK-R800P |
| 10" | 6.25 | 15.00 | .120 | B2WK-G1000P | B2WK-R1000P |

# Weld Elbows

## 90° Clamp x Weld Elbows - B2CM

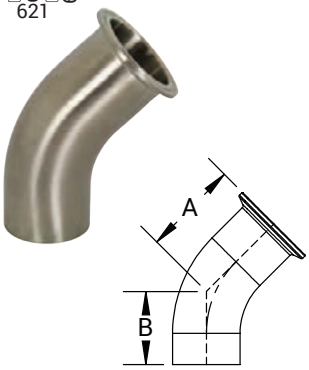
3-A 621 63-04




| Tube O.D. | A (in) | B (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/2" | 3.50 | 3.00 | .065 | -- | B2CM-R50 |
| 3/4" | 3.50 | 3.00 | .065 | -- | B2CM-R75 |
| 1" | 2.56 | 2.06 | .065 | B2CM-G100 | B2CM-R100 |
| 1-1/2" | 3.44 | 2.94 | .065 | B2CM-G150 | B2CM-R150 |
| 2" | 4.56 | 4.06 | .065 | B2CM-G200 | B2CM-R200 |
| 2-1/2" | 5.69 | 5.19 | .065 | B2CM-G250 | B2CM-R250 |
| 3" | 6.81 | 6.31 | .065 | B2CM-G300 | B2CM-R300 |
| 4" | 8.94 | 8.31 | .083 | B2CM-G400 | B2CM-R400 |
| 6" | 13.34 | 12.46 | .109 | -- | B2CM-R600 |
| 8" | 12.88 | 12.00 | .109 | -- | B2CM-R800 |

## 45° Clamp x Weld Elbows - B2KM

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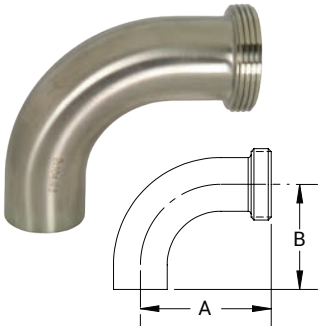



| Tube O.D. | A (in) | B (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1" | 1.69 | 1.19 | .065 | B2KM-G100 | B2KM-R100 |
| 1-1/2" | 2.13 | 1.63 | .065 | B2KM-G150 | B2KM-R150 |
| 2" | 2.81 | 2.31 | .065 | B2KM-G200 | B2KM-R200 |
| 2-1/2" | 3.50 | 3.00 | .065 | B2KM-G250 | B2KM-R250 |
| 3" | 4.19 | 3.69 | .065 | B2KM-G300 | B2KM-R300 |
| 4" | 5.44 | 4.81 | .083 | B2KM-G400 | B2KM-R400 |

## 90° Threaded Bevel Seat x Weld Elbows - B2T

3-A 621 63-04

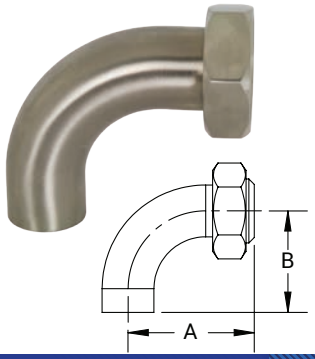
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| Tube O.D. | A (in) | B (in) | Nominal Wall (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 2.78 | 2.06 | .065 | B2T-G100 |
| 1-1/2" | 3.66 | 2.94 | .065 | B2T-G150 |
| 2" | 4.81 | 4.06 | .065 | B2T-G200 |
| 2-1/2" | 6.06 | 5.19 | .065 | B2T-G250 |
| 3" | 7.22 | 6.31 | .065 | B2T-G300 |
| 4" | 9.34 | 8.31 | .083 | B2T-G400 |

## 90° Plain Bevel Seat with Hex Nut x Weld Elbows - B2FP

3-A 621 63-04




| Tube O.D. | A (in) | B (in) | Nominal Wall (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 2.78 | 2.06 | .065 | B2FP-G100 |
| 1-1/2" | 3.66 | 2.94 | .065 | B2FP-G150 |
| 2" | 4.81 | 4.06 | .065 | B2FP-G200 |
| 2-1/2" | 6.06 | 5.19 | .065 | B2FP-G250 |
| 3" | 7.22 | 6.31 | .065 | B2FP-G300 |
| 4" | 9.34 | 8.31 | .083 | B2FP-G400 |

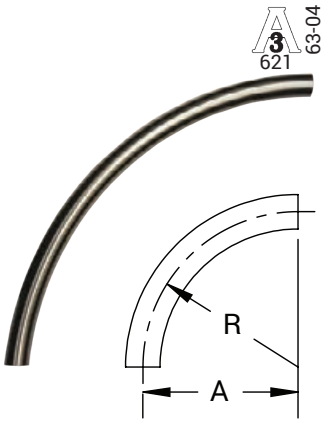
# Weld Sweep Elbows

**Feature**

- Standard with no tangents. Call Dixon Sanitary 800.789.1718 for tangents, 45°, and other radii

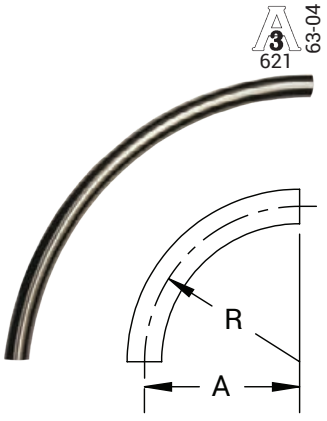
## 12" 90° Weld Sweep Elbows - B2SXL

| Tube O.D. | A (in) | R (in) | 316L Stainless Steel Part # |
|---|---|---|---|
| 1" | 12.00 | 12.00 | B2SXL12-R100 |
| 1-1/2" | 12.00 | 12.00 | B2SXL12-R150 |
| 2" | 12.00 | 12.00 | B2SXL12-R200 |
| 2-1/2" | 12.00 | 12.00 | B2SXL12-R250 |
| 3" | 12.00 | 12.00 | B2SXL12-R300 |
| 4" | 12.00 | 12.00 | B2SXL12-R400 |



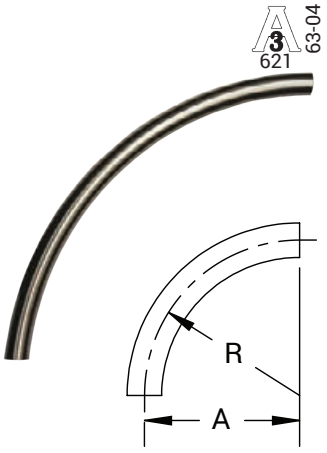

## 18" 90° Weld Sweep Elbows - B2SXL

| Tube O.D. | A (in) | R (in) | 316L Stainless Steel Part # |
|---|---|---|---|
| 1" | 18.00 | 18.00 | B2SXL18-R100 |
| 1-1/2" | 18.00 | 18.00 | B2SXL18-R150 |
| 2" | 18.00 | 18.00 | B2SXL18-R200 |
| 2-1/2" | 18.00 | 18.00 | B2SXL18-R250 |
| 3" | 18.00 | 18.00 | B2SXL18-R300 |
| 4" | 18.00 | 18.00 | B2SXL18-R400 |



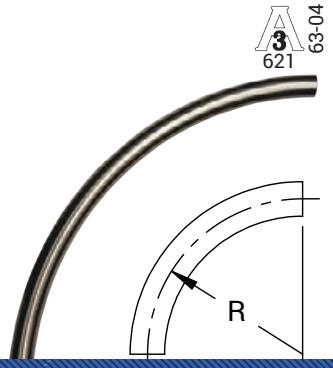

## 24" 90° Weld Sweep Elbows - B2SXL

| Tube O.D. | A (in) | R (in) | 316L Stainless Steel Part # |
|---|---|---|---|
| 1-1/2" | 24.00 | 24.00 | B2SXL24-R150 |
| 2" | 24.00 | 24.00 | B2SXL24-R200 |
| 2-1/2" | 24.00 | 24.00 | B2SXL24-R250 |
| 3" | 24.00 | 24.00 | B2SXL24-R300 |
| 4" | 24.00 | 24.00 | B2SXL24-R400 |
| 6" | 24.00 | 24.00 | B2SXL24-R600 |



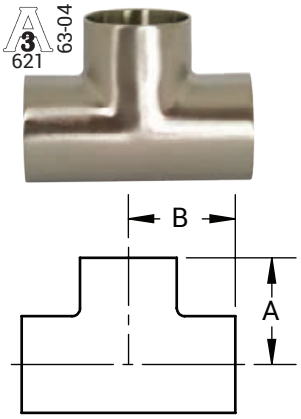

## 36" 90° Weld Sweep Elbows - B2SXL

| Tube O.D. | A (in) | R (in) | 316L Stainless Steel Part # |
|---|---|---|---|
| 1-1/2" | 36.00 | 36.00 | B2SXL36-R150 |
| 2" | 36.00 | 36.00 | B2SXL36-R200 |
| 2-1/2" | 36.00 | 36.00 | B2SXL36-R250 |
| 3" | 36.00 | 36.00 | B2SXL36-R300 |
| 4" | 36.00 | 36.00 | B2SXL36-R400 |
| 6" | 36.00 | 36.00 | B2SXL36-R600 |



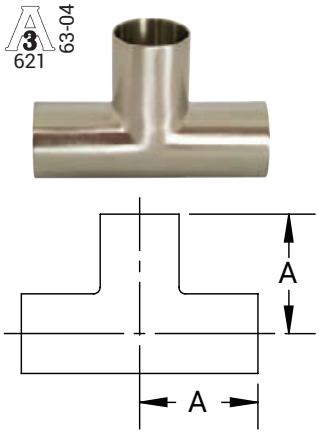
# Weld Tees

## Short Weld Tees - B7WWW



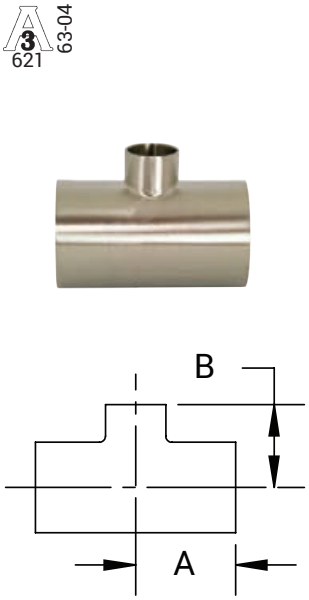

| Tube O.D. | A (in) | B (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 3/4" x 1/2" | 2.00 | 2.00 | .065 | -- | B7WWW-R7550P |
| 1" X 1/2" | 2.13 | 2.13 | .065 | -- | B7WWW-R100500P |
| 1" X 3/4" | 2.13 | 2.13 | .065 | -- | B7WWW-R10075P |
| 1-1/2" X 1/2" | 2.38 | 2.38 | .065 | -- | B7WWW-R15050P |
| 1-1/2" X 3/4" | 2.38 | 2.38 | .065 | -- | B7WWW-R15075P |
| 1-1/2" X 1" | 2.38 | 2.38 | .065 | B7WWW-G150100P | B7WWW-R150100P |
| 2" X 1" | 2.88 | 2.63 | .065 | B7WWW-G200100P | B7WWW-R200100P |
| 2" X 1-1/2" | 2.88 | 2.63 | .065 | B7WWW-G200150P | B7WWW-R200150P |
| 2-1/2" X 1" | 2.34 | 1.88 | .065 | B7WWW-G250100P | B7WWW-R250100P |
| 2-1/2" X 1-1/2" | 3.13 | 2.88 | .065 | B7WWW-G250150P | B7WWW-R250150P |
| 2-1/2" X 2" | 3.13 | 2.88 | .065 | B7WWW-G250200P | B7WWW-R250200P |
| 3" X 1" | 2.59 | 2.13 | .065 | B7WWW-G300100P | B7WWW-R300100P |
| 3" X 1-1/2" | 3.38 | 3.13 | .065 | B7WWW-G300150P | B7WWW-R300150P |
| 3" X 2" | 3.38 | 3.13 | .065 | B7WWW-G300200P | B7WWW-R300200P |
| 3" X 2-1/2" | 3.38 | 3.13 | .083 | B7WWW-G300250P | B7WWW-R300250P |
| 4" X 1" | 3.44 | 2.91 | .083 | B7WWW-G400100P | B7WWW-R400100P |
| 4" X 1-1/2" | 4.13 | 3.63 | .083 | B7WWW-G400150P | B7WWW-R400150P |
| 4" X 2" | 4.13 | 3.88 | .083 | B7WWW-G400200P | B7WWW-R400200P |
| 4" X 2-1/2" | 4.13 | 3.88 | .083 | B7WWW-G400250P | B7WWW-R400250P |
| 4" X 3" | 4.13 | 3.88 | .083 | B7WWW-G400300P | B7WWW-R400300P |
| 6" X 2" | 5.63 | 4.50 | .109 | B7WWW-G600200P | B7WWW-R600200P |
| 6" X 3" | 5.63 | 4.88 | .109 | B7WWW-G600300P | B7WWW-R600300P |
| 6" X 4" | 5.63 | 5.13 | .109 | B7WWW-G600400P | B7WWW-R600400P |

## Long Weld Tees - B7W




| Tube O.D. | A (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | 1.88 | .065 | --- | B7W-R50P |
| 3/4" | 2.00 | .065 | --- | B7W-R75P |
| 1" | 1.88 | .065 | B7W-G100P | B7W-R100P |
| 1-1/2" | 2.25 | .065 | B7W-G150P | B7W-R150P |
| 2" | 3.00 | .065 | B7W-G200P | B7W-R200P |
| 2-1/2" | 3.00 | .065 | B7W-G250P | B7W-R250P |
| 3" | 3.25 | .065 | B7W-G300P | B7W-R300P |
| 4" | 3.88 | .083 | B7W-G400P | B7W-R400P |
| 6" | 5.63 | .109 | B7W-G600P | B7W-R600P |
| 8" | 7.00 | .109 | B7W-G800P | B7W-R800P |

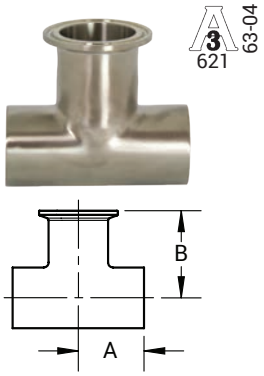
## Reducing Weld Tees - B7RWWW




| Tube O.D. | A (in) | B (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 3/4" x 1/2" | 2.00 | 2.00 | .065 | --- | B7RWWW-R7550P |
| 1" x 1/2" | 2.13 | 2.13 | .065 | --- | B7RWWW-R10050P |
| 1" x 3/4" | 2.13 | 2.13 | .065 | --- | B7RWWW-R10075P |
| 1-1/2" x 1/2" | 2.38 | 2.38 | .065 | --- | B7RWWW-R15050P |
| 1-1/2" x 3/4" | 2.38 | 2.38 | .065 | --- | B7RWWW-R15075P |
| 1-1/2" x 1" | 1.66 | 1.38 | .065 | B7RWWW-G150100P | B7RWWW-R150100P |
| 2" x 1" | 2.06 | 1.63 | .065 | B7RWWW-G200100P | B7RWWW-R200100P |
| 2" x 1-1/2" | 2.06 | 1.91 | .065 | B7RWWW-G200150P | B7RWWW-R200150P |
| 2-1/2" x 1-1/2" | 2.34 | 2.16 | .065 | B7RWWW-G250150P | B7RWWW-R250150P |
| 2-1/2" x 2" | 2.34 | 2.31 | .065 | B7RWWW-G250200P | B7RWWW-R250200P |
| 3" x 1-1/2" | 2.59 | 2.41 | .065 | B7RWWW-G300150P | B7RWWW-R300150P |
| 3" x 2" | 2.59 | 2.56 | .065 | B7RWWW-G300200P | B7RWWW-R300200P |
| 3" x 2-1/2" | 2.59 | 2.59 | .083 | B7RWWW-G300250P | B7RWWW-R300250P |
| 4" x 1-1/2" | 3.44 | 2.91 | .083 | B7RWWW-G400150P | B7RWWW-R400150P |
| 4" x 2" | 3.44 | 3.06 | .083 | B7RWWW-G400200P | B7RWWW-R400200P |
| 4" x 2-1/2" | 3.44 | 3.09 | .083 | B7RWWW-G400250P | B7RWWW-R400250P |
| 4" x 3" | 3.44 | 3.09 | .083 | B7RWWW-G400300P | B7RWWW-R400300P |
| 6" x 2" | 5.63 | 4.50 | .109 | B7RWWW-G600200P | B7RWWW-R600200P |

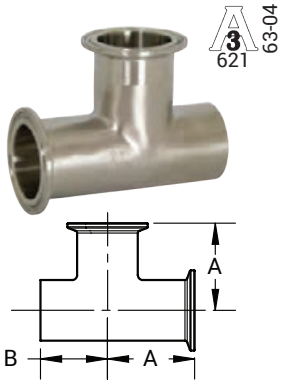
# Weld Tees

## Weld Run x Clamp Branch Tees - B7WWM



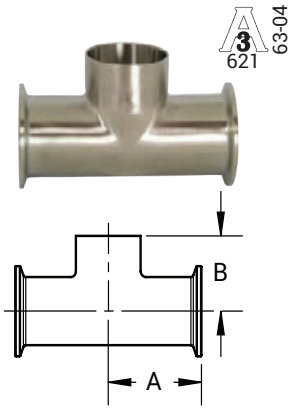

| Tube O.D. | A (in) | B (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/2" | 1.88 | 2.38 | .065 | -- | B7WWM-R50 |
| 3/4" | 2 | 2.5 | .065 | -- | B7WWM-R75 |
| 1" | 1.13 | 1.63 | .065 | B7WWM-G100 | B7WWM-R100 |
| 1-1/2" | 1.66 | 2.16 | .065 | B7WWM-G150 | B7WWM-R150 |
| 2" | 2.06 | 2.56 | .065 | B7WWM-G200 | B7WWM-R200 |
| 2-1/2" | 2.34 | 2.84 | .065 | B7WWM-G250 | B7WWM-R250 |
| 3" | 2.59 | 3.09 | .065 | B7WWM-G300 | B7WWM-R300 |
| 4" | 3.44 | 4.06 | .083 | B7WWM-G400 | B7WWM-R400 |

## Weld x Clamp Run x Clamp Branch Tees - B7WMM




| Tube O.D. | A (in) | B (in) | Nominal Wall (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 1.63 | 1.13 | .065 | B7WMM-G100 |
| 1-1/2" | 2.16 | 1.66 | .065 | B7WMM-G150 |
| 2" | 2.56 | 2.06 | .065 | B7WMM-G200 |
| 2-1/2" | 2.84 | 2.34 | .065 | B7WMM-G250 |
| 3" | 3.09 | 2.59 | .065 | B7WMM-G300 |
| 4" | 4.06 | 3.44 | .083 | B7WMM-G400 |

## Clamp Run x Weld Branch Tees - B7MMW

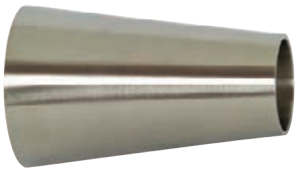


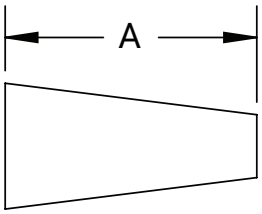

| Tube O.D. | A (in) | B (in) | Nominal Wall (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 1.63 | 1.13 | .065 | B7MMW-G100 |
| 1-1/2" | 2.16 | 1.66 | .065 | B7MMW-G150 |
| 2" | 2.56 | 2.06 | .065 | B7MMW-G200 |
| 2-1/2" | 2.84 | 2.34 | .065 | B7MMW-G250 |
| 3" | 3.09 | 2.59 | .065 | B7MMW-G300 |
| 4" | 4.06 | 3.44 | .083 | B7MMW-G400 |

## Weld Reducers

3-A 63-04 621

### Concentric Weld Reducers - B31W





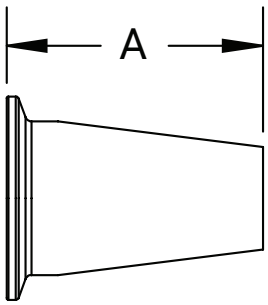

| Tube O.D. | A (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 3/4" X 1/2" | 1.00 | .065 | -- | B31W-R7550P |
| 1" X 1/2" | 2.00 | .065 | -- | B31W-R10050P |
| 1" X 3/4" | 1.00 | .065 | -- | B31W-R10075P |
| 1-1/2" X 1/2" | 4.00 | .065 | -- | B31W-R15050P |
| 1-1/2" X 3/4" | 3.00 | .065 | -- | B31W-R15075P |
| 1-1/2" X 1" | 2.00 | .065 | B31W-G150100P | B31W-R150100P |
| 2" X 1/2" | 6.00 | .065 | -- | B31W-R20050P |
| 2" X 3/4" | 5.00 | .065 | -- | B31W-R20075P |
| 2" X 1" | 4.00 | .065 | B31W-G200100P | B31W-R200100P |
| 2" X 1-1/2" | 2.00 | .065 | B31W-G200150P | B31W-R200150P |
| 2-1/2" X 1" | 6.00 | .065 | B31W-G250100P | B31W-R250100P |
| 2-1/2" X 1-1/2" | 4.00 | .065 | B31W-G250150P | B31W-R250150P |
| 2-1/2" X 2" | 2.00 | .065 | B31W-G250200P | B31W-R250200P |
| 3" X 1" | 8.00 | .065 | B31W-G300100P | B31W-R300100P |
| 3" X 1-1/2" | 6.00 | .065 | B31W-G300150P | B31W-R300150P |
| 3" X 2" | 4.00 | .065 | B31W-G300200P | B31W-R300200P |
| 3" X 2-1/2" | 2.00 | .065 | B31W-G300250P | B31W-R300250P |
| 4" X 1-1/2" | 10.00 | .083 | B31W-G400150P | B31W-R400150P |
| 4" X 2" | 8.00 | .083 | B31W-G400200P | B31W-R400200P |
| 4" X 2-1/2" | 6.00 | .083 | B31W-G400250P | B31W-R400250P |
| 4" X 3" | 4.00 | .083 | B31W-G400300P | B31W-R400300P |
| 6" X 2" | 5.50 | .109 | B31W-G600200P | B31W-R600200P |
| 6" X 3" | 5.50 | .109 | B31W-G600300P | B31W-R600300P |
| 6" X 4" | 5.50 | .109 | B31W-G600400P | B31W-R600400P |
| 8" X 4" | 6.00 | .109 | B31W-G800400P | B31W-R800400P |
| 8" X 6" | 7.00 | .120 | B31W-G800600P | B31W-R800600P |
| 10" X 8" | 7.00 | .120 | B31W-G1000800P | B31W-R1000800P |

M

3-A 63-04 621

### Concentric Clamp x Weld Reducers - B31M



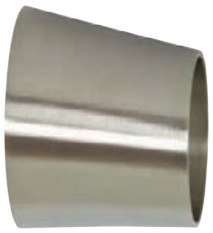


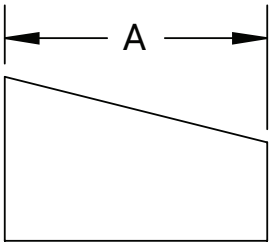

| Tube O.D. | A | Nominal Wall | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 3/4" x 1/2" | 1.50 | .065 | --- | B31M-R7550 |
| 1" x 1/2" | 2.50 | .065 | --- | B31M-R10050 |
| 1" x 3/4" | 1.50 | .065 | --- | B31M-R10075 |
| 1-1/2" x 1/2" | 4.50 | .065 | --- | B31M-R15050 |
| 1-1/2" x 3/4" | 3.50 | .065 | --- | B31M-R15075 |
| 1-1/2" x 1" | 2.50 | .065 | B31M-G150100 | B31M-R150100 |
| 2" x 1" | 4.50 | .065 | B31M-G200100 | B31M-R200100 |
| 2" x 1-1/2" | 2.50 | .065 | B31M-G200150 | B31M-R200150 |
| 2-1/2" x 1-1/2" | 4.50 | .065 | B31M-G250150 | B31M-R250150 |
| 2-1/2" x 2" | 2.50 | .065 | B31M-G250200 | B31M-R250200 |
| 3" x 1-1/2" | 6.50 | .065 | B31M-G300150 | B31M-R300150 |
| 3" x 2" | 4.50 | .065 | B31M-G300200 | B31M-R300200 |
| 3" x 2-1/2" | 2.50 | .065 | B31M-G300250 | B31M-R300250 |
| 4" x 2" | 8.66 | .083 | B31M-G400200 | B31M-R400200 |
| 4" x 2-1/2" | 6.66 | .083 | B31M-G400250 | B31M-R400250 |
| 4" x 3" | 4.66 | .083 | B31M-G400300 | B31M-R400300 |

## Weld Reducers

### Eccentric Weld Reducers - B32W

| Tube O.D. | A (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 3/4" x 1/2" | 1.00 | .065 | --- | B32W-R7550P |
| 1" x 1/2" | 2.00 | .065 | --- | B32W-R10050P |
| 1" x 3/4" | 1.00 | .065 | --- | B32W-R10075P |
| 1-1/2" x 1/2" | 4.00 | .065 | --- | B32W-R15050P |
| 1-1/2" x 3/4" | 3.00 | .065 | --- | B32W-R15075P |
| 1-1/2" x 1" | 2.00 | .065 | B32W-G150100P | B32W-R150100P |
| 2" x 1/2" | 6.00 | .065 | --- | B32W-R20050P |
| 2" x 3/4" | 5.00 | .065 | --- | B32W-R20075P |
| 2" x 1" | 4.00 | .065 | B32W-G200100P | B32W-R200100P |
| 2" x 1-1/2" | 2.00 | .065 | B32W-G200150P | B32W-R200150P |
| 2-1/2" x 1-1/2" | 4.00 | .065 | B32W-G250150P | B32W-R250150P |
| 2-1/2" x 2" | 2.00 | .065 | B32W-G250200P | B32W-R250200P |
| 3" x 1" | 8.00 | .065 | B32W-G300100P | B32W-R300100P |
| 3" x 1-1/2" | 6.00 | .065 | B32W-G300150P | B32W-R300150P |
| 3" x 2" | 4.00 | .065 | B32W-G300200P | B32W-R300200P |
| 3" x 2-1/2" | 2.00 | .065 | B32W-G300250P | B32W-R300250P |
| 4" x 1-1/2" | 10.00 | .083 | B32W-G400150P | B32W-R400150P |
| 4" x 2" | 8.00 | .083 | B32W-G400200P | B32W-R400200P |
| 4" x 2-1/2" | 6.00 | .083 | B32W-G400250P | B32W-R400250P |
| 4" x 3" | 4.00 | .083 | B32W-G400300P | B32W-R400300P |
| 6" x 3" | 5.50 | .109 | B32W-G600300P | B32W-R600300P |
| 6" x 4" | 5.50 | .109 | B32W-G600400P | B32W-R600400P |
| 8" x 4" | 6.00 | .109 | B32W-G800400P | B32W-R800400P |
| 8" x 6" | 6.00 | .109 | B32W-G800600P | B32W-R800600P |



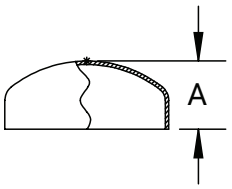



## Weld End Caps

### Weld End Caps - B16W

| Tube O.D. | A (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|
| 1/2" | .25 | --- | B16W-R50 |
| 3/4" | .31 | --- | B16W-R75 |
| 1" | .38 | B16W-G100 | B16W-R100 |
| 1-1/2" | .56 | B16W-G150 | B16W-R150 |
| 2" | .75 | B16W-G200 | B16W-R200 |
| 2-1/2" | 1.00 | B16W-G250 | B16W-R250 |
| 3" | 1.25 | B16W-G300 | B16W-R300 |
| 4" | 1.50 | B16W-G400 | B16W-R400 |
| 6" | 2.00 | B16W-G600 | B16W-R600 |
| 8" | 2.50 | B16W-G800 | B16W-R800 |

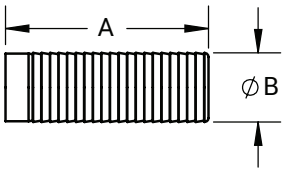




# Weld Adapters

## Long Weld Hose Adapters - 14WHRL





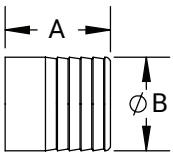

**Feature**
- Suitable for use with band clamps

| Tube O.D. | A (in) | B (in) | Nominal Wall (in) | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 3.00 | 1.03 | .116 | 14WHRL-R100 |
| 1-1/2" | 4.50 | 1.53 | .116 | 14WHRL-R150 |
| 2" | 4.50 | 2.03 | .116 | 14WHRL-R200 |
| 2-1/2" | 5.00 | 2.53 | .116 | 14WHRL-R250 |
| 3" | 5.00 | 3.03 | .116 | 14WHRL-R300 |
| 4" | 4.88 | 4.03 | .116 | 14WHRL-R400 |

NOTE: Use of PVC tubing requires special techniques to prevent leakage. All assembly work must be done with heated tube. Cold durometer is 90 as opposed to rubber hose at 65 to 70 durometer. Banding buckles must be at 180° from one another.

## Weld Hose Adapters - 14WHR

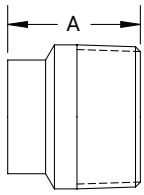





| Tube O.D. | A (in) | B (in) | Nominal Wall (in) | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | 1.50 | .50 | .065 | 14WHR-R50 |
| 3/4" | 1.50 | .75 | .065 | 14WHR-R75 |
| 1" | 1.69 | 1.00 | .065 | 14WHR-R100 |
| 1-1/2" | 1.69 | 1.50 | .065 | 14WHR-R150 |
| 2" | 2.31 | 2.00 | .065 | 14WHR-R200 |
| 2-1/2" | 2.00 | 2.50 | .065 | 14WHR-R250 |
| 3" | 3.09 | 3.00 | .065 | 14WHR-R300 |
| 4" | 3.41 | 4.00 | .083 | 14WHR-R400 |

## Male NPT x Weld End Adapters - B19WB



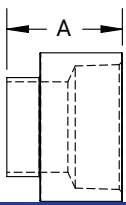



**Feature**
- 32Ra finish I.D. only

| Tube O.D. | A (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | 1.63 | .065 | --- | B19WB-R50 |
| 3/4" | 1.63 | .065 | --- | B19WB-R75 |
| 1" | 1.75 | .065 | B19WB-G100 | B19WB-R100 |
| 1-1/2" | 1.75 | .065 | B19WB-G150 | B19WB-R150 |
| 2" | 1.81 | .065 | B19WB-G200 | B19WB-R200 |
| 2-1/2" | 2.31 | .065 | B19WB-G250 | B19WB-R250 |
| 3" | 2.50 | .065 | B19WB-G300 | B19WB-R300 |
| 4" | 2.56 | .083 | B19WB-G400 | B19WB-R400 |
| 6" | 3.40 | .109 | --- | B19WB-R600 |

## Female NPT x Weld End Adapters - B22WB



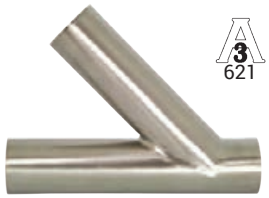


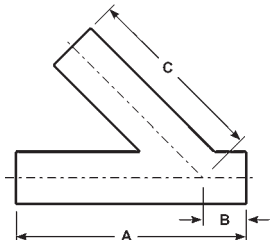

**Feature**
- 32Ra finish I.D. only

| Tube O.D. | A (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | 1.25 | .065 | --- | B22WB-R50 |
| 3/4" | 1.63 | .065 | --- | B22WB-R75 |
| 1" | 1.75 | .065 | B22WB-G100 | B22WB-R100 |
| 1-1/2" | 1.75 | .065 | B22WB-G150 | B22WB-R150 |
| 2" | 1.81 | .065 | B22WB-G200 | B22WB-R200 |
| 2-1/2" | 2.31 | .065 | B22WB-G250 | B22WB-R250 |
| 3" | 2.50 | .065 | B22WB-G300 | B22WB-R300 |

# Laterals, Wyes, Crosses, Bends, and Flanges

## Weld Laterals - B28WA

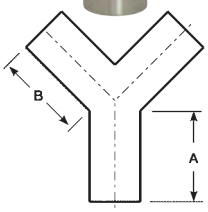



| Tube O.D. | A (in) | B (in) | C (in) | Nominal Wall (in) | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1" | 6.00 | 1.00 | 5.00 | .065 | B28WA-R100P |
| 1-1/2" | 7.38 | 1.19 | 6.19 | .065 | B28WA-R150P |
| 2" | 8.75 | 1.63 | 7.13 | .065 | B28WA-R200P |
| 2-1/2" | 10.00 | 1.50 | 8.50 | .065 | B28WA-R250P |
| 3" | 10.75 | 1.88 | 8.88 | .065 | B28WA-R300P |
| 4" | 12.81 | 2.02 | 10.75 | .083 | B28WA-R400P |
| 6" | 18.00 | 3.50 | 14.50 | .109 | B28WA-R600P |
| 8" | 22.00 | 5.00 | 17.00 | .109 | B28WA-R800P |

## Weld True Wyes - B28W

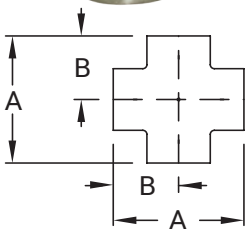



| Tube O.D. | A (in) | B (in) | Nominal Wall (in) | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 2.21 | 2.65 | .065 | B28W-R100P |
| 1-1/2" | 2.31 | 2.75 | .065 | B28W-R150P |
| 2" | 3.04 | 3.66 | .065 | B28W-R200P |
| 2-1/2" | 3.89 | 4.64 | .065 | B28W-R250P |
| 3" | 4.62 | 5.50 | .065 | B28W-R300P |
| 4" | 6.20 | 6.40 | .083 | B28W-R400P |
| 6" | 3.50 | 8.00 | .109 | B28W-R600P |

## Weld Crosses - B9WWWW

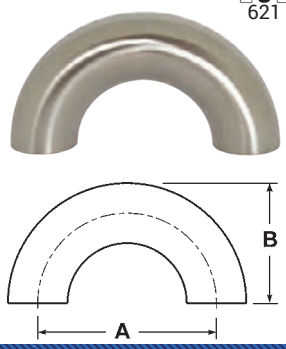



| Tube O.D. | A (in) | B (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1" | 2.25 | 1.13 | .065 | B9WWWW-G100P | B9WWWW-R100P |
| 1-1/2" | 3.31 | 1.66 | .065 | B9WWWW-G150P | B9WWWW-R150P |
| 2" | 4.13 | 2.06 | .065 | B9WWWW-G200P | B9WWWW-R200P |
| 2-1/2" | 4.69 | 2.34 | .065 | B9WWWW-G250P | B9WWWW-R250P |
| 3" | 5.19 | 2.59 | .065 | B9WWWW-G300P | B9WWWW-R300P |
| 4" | 6.88 | 3.44 | .083 | B9WWWW-G400P | B9WWWW-R400P |

## Weld 180° Return Bends - B2WUL




**Size**

- Bends are standard 1.5 x tube diameter

| Tube O.D. | A (in) | B (in) | 316L Stainless Steel Part # |
|---|---|---|---|
| 1" | 3.00 | 2.00 | B2WUL-R100P |
| 1-1/2" | 4.50 | 3.00 | B2WUL-R150P |
| 2" | 6.00 | 4.00 | B2WUL-R200P |
| 2-1/2" | 7.50 | 5.00 | B2WUL-R250P |
| 3" | 9.00 | 6.00 | B2WUL-R300P |
| 4" | 12.00 | 8.00 | B2WUL-R400P |

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## Laterals, Wyes, Crosses, Bends, and Flanges

### Weld End Blue Protection Covers - BCW



**Application**

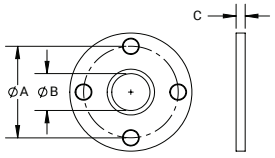
- Use these covers to protect all weld ends on fittings, valves, and pumps

| Size | Vinyl Plastic Part # |
|---|---|
| 1/2" | BCW-050 |
| 3/4" | BCW-075 |
| 1" | BCW-100 |
| 1-1/2" | BCW-150 |
| 2" | BCW-200 |
| 2-1/2" | BCW-250 |
| 3" | BCW-300 |
| 4" | BCW-400 |
| 6" | BCW-600 |
| 8" | BCW-800 |

## Weld Flanges

### Slip-On 150# Flanges - B38SL



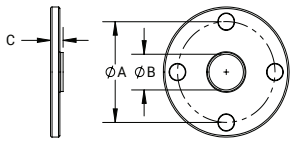



| Tube O.D. | A (in) | B (in) | C (in) | Number & Diameter Bolt Holes (in) | Bolt Circle (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|---|---|
| 1" | 3.13 | 1.06 | 0.38 | 4/.63 | 3.13 | B38SL-G100 | B38SL-R100 |
| 1-1/2" | 3.88 | 1.56 | 0.38 | 4/.63 | 3.88 | B38SL-G150 | B38SL-R150 |
| 2" | 4.75 | 2.06 | 0.44 | 4/.75 | 4.75 | B38SL-G200 | B38SL-R200 |
| 2-1/2" | 5.50 | 2.56 | 0.44 | 4/.75 | 5.50 | B38SL-G250 | B38SL-R250 |
| 3" | 6.00 | 3.06 | 0.50 | 4/.75 | 6.00 | B38SL-G300 | B38SL-R300 |
| 4" | 7.50 | 4.06 | 0.56 | 8/.75 | 7.50 | B38SL-G400 | B38SL-R400 |
| 6" | 9.50 | 6.06 | 0.56 | 8/.88 | 9.50 | B38SL-G600 | B38SL-R600 |
| 8" | 11.75 | 8.06 | 0.69 | 8/.88 | 11.75 | B38SL-G800 | B38SL-R800 |
| 10" | 14.25 | 10.06 | 0.69 | 12/1.00 | 14.25 | B38SL-G1000 | B38SL-R1000 |

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### Weld Neck Flanges - B38W






| Tube O.D. | A (in) | B (in) | C (in) | Number & Diameter Bolt Holes (in) | Bolt Circle (in) | 316L Stainless Steel Part # |
|---|---|---|---|---|---|---|
| 1" | 3.13 | 0.87 | 0.50 | 4/.63 | 3.13 | B38W-R100 |
| 1-1/2" | 3.88 | 1.37 | 0.50 | 4/.63 | 3.88 | B38W-R150 |
| 2" | 4.75 | 1.87 | 0.63 | 4/.75 | 4.75 | B38W-R200 |
| 2-1/2" | 5.50 | 2.37 | 0.63 | 4/.75 | 5.50 | B38W-R250 |
| 3" | 6.00 | 2.87 | 0.63 | 4/.75 | 6.00 | B38W-R300 |
| 4" | 7.50 | 3.83 | 0.63 | 8/.75 | 7.50 | B38W-R400 |
| 6" | 9.50 | 5.78 | 0.63 | 8/.88 | 9.50 | B38W-R600 |
| 8" | 11.75 | 7.78 | 0.63 | 8/.88 | 11.75 | B38W-R800 |
| 10" | 14.25 | 9.76 | 0.81 | 12/1.00 | 14.25 | B38W-R1000 |

NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.

## Flange Gaskets

**Size**

- Standard drop-ring type all 1/16" thick

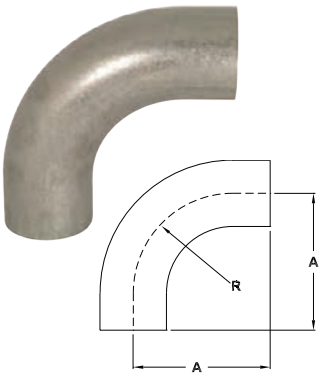


| Size | Neoprene Part # |
|---|---|
| 1" | NG10 |
| 1-1/4" | NG15 |
| 1-1/2" | NG20 |
| 2" | NG25 |
| 2-1/2" | NG30 |
| 3" | NG35 |
| 4" | NG40 |
| 5" | NG50 |
| 6" | NG60 |

# Unpolished Elbows

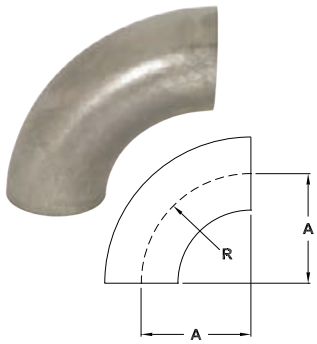
## Unpolished 90° Weld Elbows with Tangents - B2S

| Tube O.D. | A (in) | R (in) | Nominal Wall | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/2" | 3.000 | 1.125 | .065 | --- | B2S-R50U |
| 3/4" | 3.000 | 1.125 | .065 | --- | B2S-R75U |
| 1" | 2.062 | 1.500 | .065 | B2S-G100U | B2S-R100U |
| 1-1/2" | 2.937 | 2.250 | .065 | B2S-G150U | B2S-R150U |
| 2" | 4.062 | 3.000 | .065 | B2S-G200U | B2S-R200U |
| 2-1/2" | 5.187 | 3.750 | .065 | B2S-G250U | B2S-R250U |
| 3" | 6.312 | 4.500 | .065 | B2S-G300U | B2S-R300U |
| 4" | 8.312 | 6.000 | .083 | B2S-G400U | B2S-R400U |



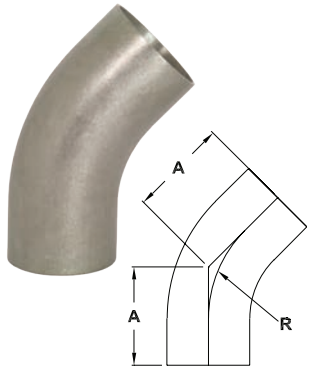

## Unpolished 90° Weld Elbows - B2WCL

| Tube O.D. | A (in) | R (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/2" | 1.13 | 1.13 | .065 | --- | B2WCL-R50U |
| 3/4" | 1.13 | 1.13 | .065 | --- | B2WCL-R75U |
| 1" | 1.50 | 1.50 | .065 | B2WCL-G100U | B2WCL-R100U |
| 1-1/2" | 2.25 | 2.25 | .065 | B2WCL-G150U | B2WCL-R150U |
| 2" | 3.00 | 3.00 | .065 | B2WCL-G200U | B2WCL-R200U |
| 2-1/2" | 3.75 | 3.75 | .065 | B2WCL-G250U | B2WCL-R250U |
| 3" | 4.50 | 4.50 | .065 | B2WCL-G300U | B2WCL-R300U |
| 4" | 6.00 | 6.00 | .083 | B2WCL-G400U | B2WCL-R400U |
| 6" | 9.00 | 9.00 | .109 | B2WCL-G600U | B2WCL-R600U |
| 8" | 12.00 | 12.00 | .109 | B2WCL-G800U | B2WCL-R800U |
| 10" | 15.00 | 15.00 | .120 | B2WCL-G1000U | B2WCL-R1000U |
| 12" | 18.00 | 18.00 | .120 | B2WCL-G1200U | B2WCL-R1200U |



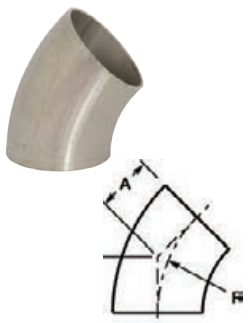

## Unpolished 45° Weld Elbows with Tangents - B2KS

| Tube O.D. | A (in) | R (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/2" | 2.25 | 1.13 | .065 | --- | B2KS-R50U |
| 3/4" | 2.25 | 1.13 | .065 | --- | B2KS-R75U |
| 1" | 1.19 | 1.50 | .065 | B2KS-G100U | B2KS-R100U |
| 1-1/2" | 1.63 | 2.25 | .065 | B2KS-G150U | B2KS-R150U |
| 2" | 2.31 | 3.00 | .065 | B2KS-G200U | B2KS-R200U |
| 2-1/2" | 3.00 | 3.75 | .065 | B2KS-G250U | B2KS-R250U |
| 3" | 3.69 | 4.50 | .065 | B2KS-G300U | B2KS-R300U |
| 4" | 4.81 | 6.00 | .083 | B2KS-G400U | B2KS-R400U |




## Unpolished 45° Weld Elbows - B2WK

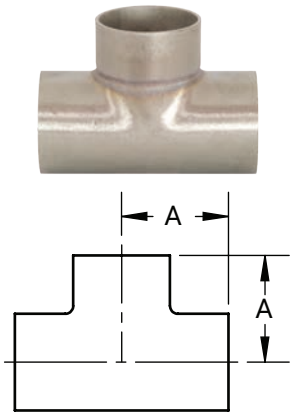
| Tube O.D. | A (in) | R (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/2" | .47 | 1.13 | .065 | --- | B2WK-R50U |
| 3/4" | .47 | 1.13 | .065 | --- | B2WK-R75U |
| 1" | .63 | 1.50 | .065 | B2WK-G100U | B2WK-R100U |
| 1-1/2" | .94 | 2.25 | .065 | B2WK-G150U | B2WK-R150U |
| 2" | 1.25 | 3.00 | .065 | B2WK-G200U | B2WK-R200U |
| 2-1/2" | 1.56 | 3.75 | .065 | B2WK-G250U | B2WK-R250U |
| 3" | 1.88 | 4.50 | .065 | B2WK-G300U | B2WK-R300U |
| 4" | 2.50 | 6.00 | .083 | B2WK-G400U | B2WK-R400U |
| 6" | 3.75 | 9.00 | .109 | B2WK-G600U | B2WK-R600U |
| 8" | 5.00 | 12.00 | .109 | B2WK-G800U | B2WK-R800U |
| 10" | 6.25 | 15.00 | .120 | B2WK-G1000U | B2WK-R1000U |




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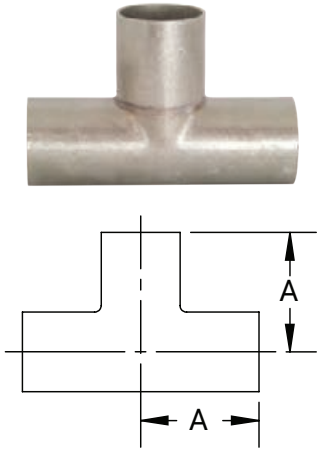
# Unpolished Tees

## Unpolished Short Weld Tees - B7WWW




| Tube O.D. | A (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 1.13 | .065 | B7WWW-G100U | B7WWW-R100U |
| 1-1/2" | 1.66 | .065 | B7WWW-G150U | B7WWW-R150U |
| 2" | 2.06 | .065 | B7WWW-G200U | B7WWW-R200U |
| 2-1/2" | 2.34 | .065 | B7WWW-G250U | B7WWW-R250U |
| 3" | 2.59 | .065 | B7WWW-G300U | B7WWW-R300U |
| 4" | 3.44 | .083 | B7WWW-G400U | B7WWW-R400U |

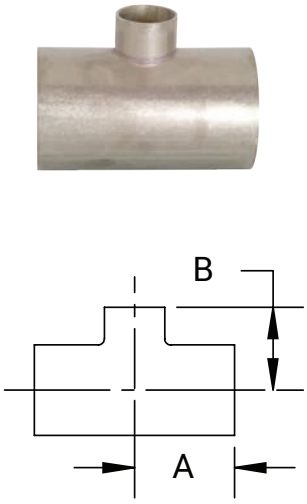
## Unpolished Long Weld Tees - B7W




| Tube O.D. | A (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | 1.88 | .065 | --- | B7W-R50U |
| 3/4" | 2.00 | .065 | --- | B7W-R75U |
| 1" | 1.88 | .065 | B7W-G100U | B7W-R100U |
| 1-1/2" | 2.25 | .065 | B7W-G150U | B7W-R150U |
| 2" | 3.00 | .065 | B7W-G200U | B7W-R200U |
| 2-1/2" | 3.00 | .065 | B7W-G250U | B7W-R250U |
| 3" | 3.25 | .065 | B7W-G300U | B7W-R300U |
| 4" | 3.88 | .083 | B7W-G400U | B7W-R400U |
| 6" | 5.63 | .109 | B7W-G600U | B7W-R600U |
| 8" | 7.00 | .109 | B7W-G800U | B7W-R800U |

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## Unpolished Reducing Weld Tees - B7RWWW



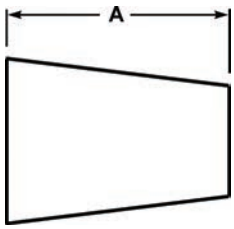

| Tube O.D. | A (in) | B (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1-1/2" x 3/4" | 2.13 | 2.13 | .065 | --- | B7RWWW-R15075U |
| 1-1/2" x 1" | 2.38 | 2.38 | .065 | B7RWWW-G150100U | B7RWWW-R150100U |
| 2" x 1/2" | 2.38 | 2.38 | .065 | --- | B7RWWW-R20050U |
| 2" x 3/4" | 1.66 | 1.38 | .065 | --- | B7RWWW-R20075U |
| 2" x 1" | 2.06 | 1.63 | .065 | B7RWWW-G200100U | B7RWWW-R200100U |
| 2" x 1-1/2" | 2.06 | 1.91 | .065 | B7RWWW-G200150U | B7RWWW-R200150U |
| 2-1/2" x 1-1/2" | 2.34 | 2.16 | .065 | B7RWWW-G250150U | B7RWWW-R250150U |
| 2-1/2" x 2" | 2.34 | 2.31 | .065 | B7RWWW-G250200U | B7RWWW-R250200U |
| 3" x 1-1/2" | 2.59 | 2.41 | .065 | B7RWWW-G300150U | B7RWWW-R300150U |
| 3" x 2" | 2.59 | 2.56 | .065 | B7RWWW-G300200U | B7RWWW-R300200U |
| 3" x 2-1/2" | 2.59 | 2.59 | .065 | B7RWWW-G300250U | B7RWWW-R300250U |
| 4" x 1-1/2" | 3.44 | 2.91 | .083 | B7RWWW-G400150U | B7RWWW-R400150U |
| 4" x 2" | 3.44 | 3.06 | .083 | B7RWWW-G400200U | B7RWWW-R400200U |
| 4" x 2-1/2" | 3.44 | 3.09 | .083 | B7RWWW-G400250U | B7RWWW-R400250U |
| 4" x 3" | 3.44 | 3.09 | .083 | B7RWWW-G400300U | B7RWWW-R400300U |

# Unpolished Reducers

## Unpolished Concentric Weld Reducers - B31W

| Tube O.D. | A (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 3/4" x 1/2" | 1.00 | .065 | --- | B31W-R7550U |
| 1" x 1/2" | 2.00 | .065 | --- | B31W-R10050U |
| 1" x 3/4" | 1.00 | .065 | --- | B31W-R10075U |
| 1-1/2" x 1/2" | 4.00 | .065 | --- | B31W-R15050U |
| 1-1/2" x 3/4" | 3.00 | .065 | --- | B31W-R15075U |
| 1-1/2" x 1" | 2.00 | .065 | B31W-G150100U | B31W-R150100U |
| 2" x 3/4" | 5.00 | .065 | --- | B31W-R20075U |
| 2" x 1" | 4.00 | .065 | B31W-G200100U | B31W-R200100U |
| 2" x 1-1/2" | 2.00 | .065 | B31W-G200150U | B31W-R200150U |
| 2-1/2" x 1-1/2" | 4.00 | .065 | B31W-G250150U | B31W-R250150U |
| 2-1/2" x 2" | 2.00 | .065 | B31W-G250200U | B31W-R250200U |
| 3" x 1" | 8.00 | .109 | B31W-G300100U | B31W-R300100U |
| 3" x 1-1/2" | 6.00 | .065 | B31W-G300150U | B31W-R300150U |
| 3" x 2" | 4.00 | .065 | B31W-G300200U | B31W-R300200U |
| 3" x 2-1/2" | 2.00 | .065 | B31W-G300250U | B31W-R300250U |
| 4" x 1-1/2" | 10.00 | .083 | B31W-G400150U | B31W-R400150U |
| 4" x 2" | 8.00 | .109 | B31W-G400200U | B31W-R400200U |
| 4" x 2-1/2" | 6.00 | .083 | B31W-G400250U | B31W-R400250U |
| 4" x 3" | 4.00 | .083 | B31W-G400300U | B31W-R400300U |
| 6" x 3" | 5.50 | .109 | B31W-G600300U | B31W-R600300U |
| 6" x 4" | 5.50 | .109 | B31W-G600400U | B31W-R600400U |
| 8" x 4" | 6.00 | .109 | B31W-G800400U | B31W-R800400U |
| 8" x 6" | 6.00 | .109 | B31W-G800600U | B31W-R800600U |

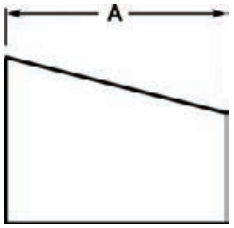




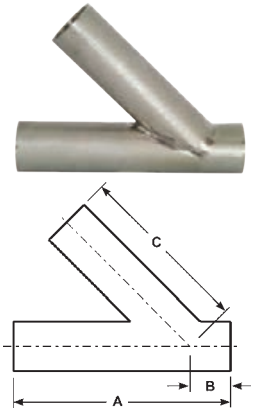

## Unpolished Eccentric Weld Reducers - B32W

| Tube O.D. | A (in) | Nominal Wall (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 3/4" x 1/2" | 1.00 | .065 | --- | B32W-R7550U |
| 1" x 1/2" | 2.00 | .065 | --- | B32W-R10050U |
| 1" x 3/4" | 1.00 | .065 | --- | B32W-R10075U |
| 1-1/2" x 1/2" | 4.00 | .065 | --- | B32W-R15050U |
| 1-1/2" x 3/4" | 3.00 | .065 | --- | B32W-R15075U |
| 1-1/2" x 1" | 2.00 | .065 | B32W-G150100U | B32W-R150100U |
| 2" x 3/4" | 5.00 | .065 | --- | B32W-R20075U |
| 2" x 1" | 4.00 | .065 | B32W-G200100U | B32W-R200100U |
| 2" x 1-1/2" | 2.00 | .065 | B32W-G200150U | B32W-R200150U |
| 2-1/2" x 2" | 2.00 | .065 | B32W-G250200U | B32W-R250200U |
| 3" x 1-1/2" | 6.00 | .065 | B32W-G300150U | B32W-R300150U |
| 3" x 2" | 4.00 | .065 | B32W-G300200U | B32W-R300200U |
| 3" x 2-1/2" | 2.00 | .065 | B32W-G300250U | B32W-R300250U |
| 4" x 1-1/2" | 10.00 | .083 | B32W-G400150U | B32W-R400150U |
| 4" x 2" | 8.00 | .109 | B32W-G400200U | B32W-R400200U |
| 4" x 3" | 4.00 | .083 | B32W-G400300U | B32W-R400300U |
| 6" x 4" | 5.50 | .109 | B32W-G600400U | B32W-R600400U |
| 8" x 6" | 6.00 | .109 | B32W-G800600U | B32W-R800600U |



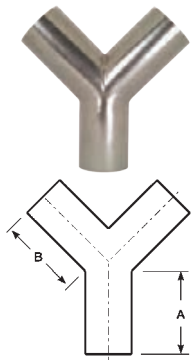


## Laterals, Wyes, Bends, and Flanges



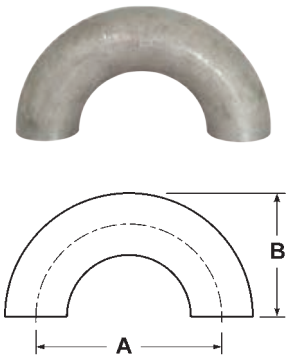

### Unpolished Weld Laterals - B28WA

| Tube O.D. | A (in) | B (in) | C (in) | Nominal Wall (in) | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1" | 6.00 | 1.00 | 5.00 | .065 | B28WA-R100U |
| 1-1/2" | 7.38 | 1.19 | 6.19 | .065 | B28WA-R150U |
| 2" | 8.75 | 1.63 | 7.13 | .065 | B28WA-R200U |
| 2-1/2" | 10.00 | 1.50 | 8.50 | .065 | B28WA-R250U |
| 3" | 10.75 | 1.88 | 8.88 | .065 | B28WA-R300U |
| 4" | 12.81 | 2.02 | 10.75 | .083 | B28WA-R400U |
| 6" | 18.00 | 3.00 | 14.50 | .109 | B28WA-R600U |




### Unpolished Weld True Wyes - B28W

| Tube O.D. | A (in) | B (in) | Nominal Wall (in) | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 2.00 | 2.44 | .065 | B28W-R100U |
| 1-1/2" | 2.00 | 2.44 | .065 | B28W-R150U |
| 2" | 2.63 | 3.25 | .065 | B28W-R200U |
| 2-1/2" | 3.37 | 4.13 | .065 | B28W-R250U |
| 3" | 4.00 | 4.88 | .065 | B28W-R300U |
| 4" | 5.38 | 5.38 | .083 | B28W-R400U |
| 6" | 8.00 | 8.00 | .109 | B28W-R600U |




### Unpolished Weld 180° Return Bends - B2WUL

**Feature**

- Bends are standard 1.5 x tube diameter

| Tube O.D. | A (in) | B (in) | Nominal Wall (in) | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 3.00 | 2.00 | .065 | B2WUL-R100U |
| 1-1/2" | 4.50 | 3.00 | .065 | B2WUL-R150U |
| 2" | 6.00 | 4.00 | .065 | B2WUL-R200U |
| 2-1/2" | 7.50 | 5.00 | .065 | B2WUL-R250U |
| 3" | 9.00 | 6.00 | .065 | B2WUL-R300U |
| 4" | 12.00 | 8.00 | .083 | B2WUL-R400U |



### Weld End Blue Protection Covers - BCW

**Application**

- Use these covers to protect all weld ends on fittings, valves, and pumps

| Size | Vinyl Plastic Part # |
|---|---|
| 1/2" | BCW-050 |
| 3/4" | BCW-075 |
| 1" | BCW-100 |
| 1-1/2" | BCW-150 |
| 2" | BCW-200 |
| 2-1/2" | BCW-250 |
| 3" | BCW-300 |
| 4" | BCW-400 |
| 6" | BCW-600 |

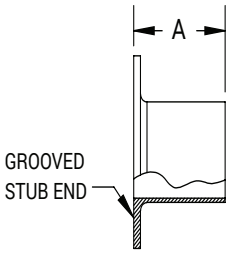


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## Laterals, Wyes, Bends, and Flanges

### Unpolished Type A Stub Ends - 14VB






**Application**

- Typically used with B38SL flanges

| Tube O.D. | A (in) | 316L Stainless Steel Part # |
|---|---|---|
| 1/2" | 1.38 | 14VB-R50 |
| 3/4" | 1.38 | 14VB-R75 |
| 1" | 1.63 | 14VB-R100 |
| 1-1/2" | 1.75 | 14VB-R150 |
| 2" | 1.50 | 14VB-R200 |
| 2-1/2" | 2.00 | 14VB-R250 |
| 3" | 2.25 | 14VB-R300 |
| 4" | 2.63 | 14VB-R400 |
| 6" | 3.00 | 14VB-R600 |
| 8" | 3.00 | 14VB-R800 |
| 10" | 3.50 | 14VB-R1000 |

## Flange Gaskets



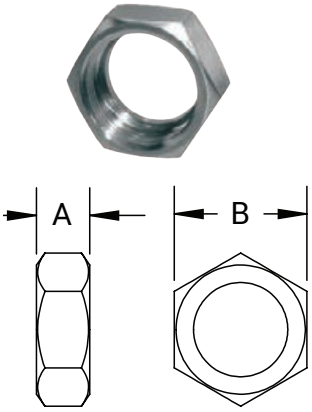
**Size**

- Standard drop-ring type all 1/16" thick

| Size | Neoprene Part # |
|---|---|
| 1" | NG10 |
| 1-1/4" | NG15 |
| 1-1/2" | NG20 |
| 2" | NG25 |
| 2-1/2" | NG30 |
| 3" | NG35 |
| 4" | NG40 |
| 5" | NG50 |
| 6" | NG60 |
| 8" | NG80 |

M

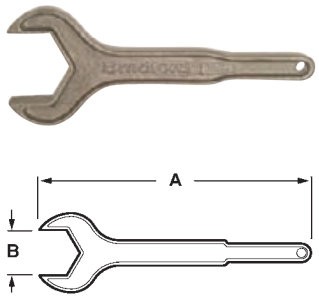
## Bevel Seat Nuts




### Union Hex Nuts - 13H

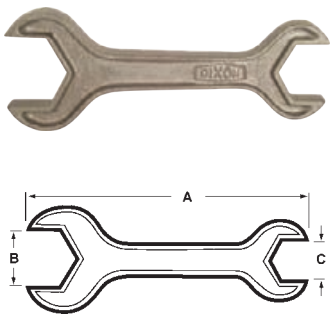
| Tube O.D. | A (in) | B (in) | 304 Stainless Steel (CF8) Part # |
|---|---|---|---|
| 1" | .91 | 1.81 | 13H-G100 |
| 1-1/2" | .97 | 2.41 | 13H-G150 |
| 2" | 1.06 | 3.00 | 13H-G200 |
| 2-1/2" | 1.19 | 3.59 | 13H-G250 |
| 3" | 1.28 | 4.19 | 13H-G300 |
| 4" | 1.50 | 5.44 | 13H-G400 |

## Bevel Seat Wrenches




### Single Side Hex Wrenches - 25H

| Tube O.D. | A (in) | B (in) | Weight lbs. | Aluminum Part # |
|---|---|---|---|---|
| 1" | 10.50 | 1.81 | .64 | 25H-100 |
| 1-1/2" | 12.00 | 2.41 | .86 | 25H-150 |
| 2" | 14.00 | 3.00 | 1.76 | 25H-200 |
| 2-1/2" | 16.25 | 3.59 | 2.40 | 25H-250 |
| 3" | 18.50 | 4.19 | 3.04 | 25H-300 |
| 4" | 19.50 | 5.44 | 3.62 | 25H-400 |



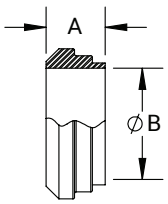

### Two Sided Hex Wrenches - 25H

| Tube O.D. | A (in) | B (in) | C (in) | Weight lbs. | Aluminum Part # |
|---|---|---|---|---|---|
| 1-1/2" x 1" | 12.00 | 2.41 | 1.81 | 1.00 | 25H-150100 |
| 2" x 1-1/2" | 14.00 | 3.00 | 2.41 | 1.75 | 25H-200150 |
| 2-1/2" x 2" | 16.50 | 3.59 | 3.00 | 2.80 | 25H-250200 |
| 3" x 2" | 18.00 | 4.19 | 3.00 | 3.20 | 25H-300200 |
| 3" x 2-1/2" | 18.00 | 4.19 | 3.59 | 3.70 | 25H-300250 |

# Bevel Seat Ferrules

## Short Plain Bevel Seat Weld Ferrules - 14PRF

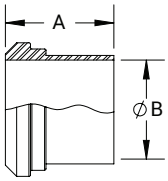





| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | .72 | .87 | 14PRF-G100 | 14PRF-R100 |
| 1-1/2" | .72 | 1.37 | 14PRF-G150 | 14PRF-R150 |
| 2" | .75 | 1.87 | 14PRF-G200 | 14PRF-R200 |
| 2-1/2" | .88 | 2.37 | 14PRF-G250 | 14PRF-R250 |
| 3" | .91 | 2.87 | 14PRF-G300 | 14PRF-R300 |
| 4" | 1.03 | 3.83 | 14PRF-G400 | 14PRF-R400 |

## Long Plain Bevel Seat Weld Ferrules - 14A

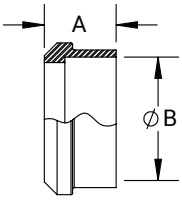





| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 1.38 | .87 | 14A-G100 | 14A-R100 |
| 1-1/2" | 1.50 | 1.37 | 14A-G150 | 14A-R150 |
| 2" | 1.50 | 1.87 | 14A-G200 | 14A-R200 |
| 2-1/2" | 1.75 | 2.37 | 14A-G250 | 14A-R250 |
| 3" | 1.75 | 2.87 | 14A-G300 | 14A-R300 |
| 4" | 1.75 | 3.83 | 14A-G400 | 14A-R400 |

## Recessed Plain Bevel Seat Weld Ferrules - 14

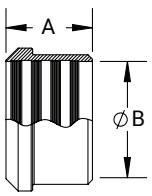





| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1" | .75 | 1.01 | 14-G100 |
| 1-1/2" | .88 | 1.51 | 14-G150 |
| 2" | .97 | 2.01 | 14-G200 |
| 2-1/2" | 1.06 | 2.51 | 14-G250 |
| 3" | 1.13 | 3.01 | 14-G300 |
| 4" | 1.25 | 4.01 | 14-G400 |

## Recessless Plain Bevel Seat Ferrules for Expanding - 14R






| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1" | .750 | 1.000 | 14R-G100 |
| 1-1/2" | 1.125 | 1.500 | 14R-G150 |
| 2" | 1.312 | 2.000 | 14R-G200 |
| 2-1/2" | 1.375 | 2.500 | 14R-G250 |
| 3" | 1.437 | 3.000 | 14R-G300 |
| 4" | 1.500 | 4.000 | 14R-G400 |

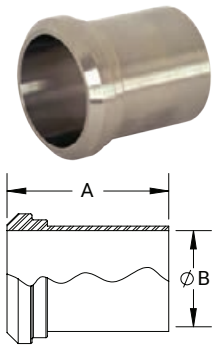


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## Bevel Seat Ferrules

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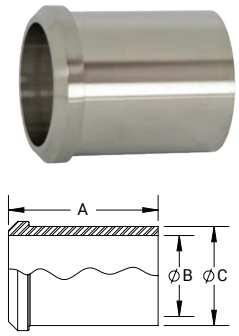
### Light Wall Tank Plain Bevel Seat Ferrules - 14WL




| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1" | 2.00 | .87 | 14WL-G100 |
| 1-1/2" | 2.25 | 1.37 | 14WL-G150 |
| 2" | 2.50 | 1.87 | 14WL-G200 |
| 2-1/2" | 2.75 | 2.37 | 14WL-G250 |
| 3" | 3.00 | 2.87 | 14WL-G300 |
| 4" | 4.00 | 3.83 | 14WL-G400 |

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### Heavy Wall Tank Plain Bevel Seat Ferrules - 14W

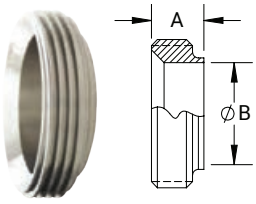



| Tube O.D. | A (in) | B (in) | C (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 2.38 | .87 | 1.16 | 14W-G100 |
| 1-1/2" | 2.53 | 1.37 | 1.68 | 14W-G150 |
| 2" | 2.78 | 1.87 | 2.19 | 14W-G200 |
| 2-1/2" | 3.06 | 2.37 | 2.71 | 14W-G250 |
| 3" | 3.53 | 2.87 | 3.22 | 14W-G300 |
| 4" | 4.31 | 3.83 | 4.26 | 14W-G400 |

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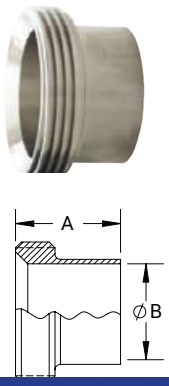
### Short Threaded Bevel Seat Weld Ferrules - 15TRF




| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | .72 | .87 | 15TRF-G100 | 15TRF-R100 |
| 1-1/2" | .72 | 1.37 | 15TRF-G150 | 15TRF-R150 |
| 2" | .75 | 1.87 | 15TRF-G200 | 15TRF-R200 |
| 2-1/2" | .88 | 2.37 | 15TRF-G250 | 15TRF-R250 |
| 3" | .91 | 2.87 | 15TRF-G300 | 15TRF-R300 |
| 4" | 1.03 | 3.83 | 15TRF-G400 | 15TRF-R400 |

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### Long Threaded Bevel Seat Weld Ferrules - 15A

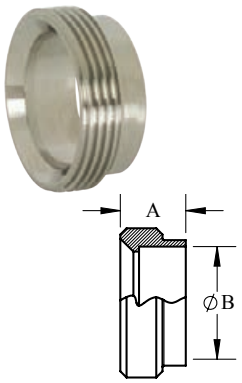



| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 1.38 | .87 | 15A-G100 | 15A-R100 |
| 1-1/2" | 1.50 | 1.37 | 15A-G150 | 15A-R150 |
| 2" | 1.50 | 1.87 | 15A-G200 | 15A-R200 |
| 2-1/2" | 1.75 | 2.37 | 15A-G250 | 15A-R250 |
| 3" | 1.75 | 2.87 | 15A-G300 | 15A-R300 |
| 4" | 1.75 | 3.83 | 15A-G400 | 15A-R400 |

# Bevel Seat Ferrules

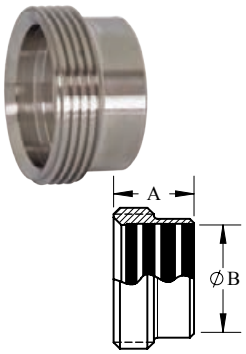
## Recessed Threaded Bevel Seat Ferrules - 15

| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1" | 0.81 | 1.01 | 15-G100 |
| 1-1/2" | 0.88 | 1.51 | 15-G150 |
| 2" | 1.03 | 2.01 | 15-G200 |
| 2-1/2" | 1.13 | 2.51 | 15-G250 |
| 3" | 1.25 | 3.01 | 15-G300 |
| 4" | 1.38 | 4.01 | 15-G400 |



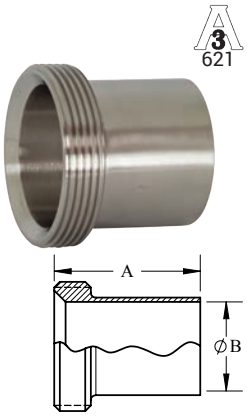

## Recessless Threaded Bevel Seat Ferrules for Expanding - 15R

| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1" | .81 | 1.01 | 15R-G100 |
| 1-1/2" | 1.13 | 1.51 | 15R-G150 |
| 2" | 1.38 | 2.01 | 15R-G200 |
| 2-1/2" | 1.50 | 2.51 | 15R-G250 |
| 3" | 1.63 | 3.01 | 15R-G300 |
| 4" | 1.68 | 4.01 | 15R-G400 |



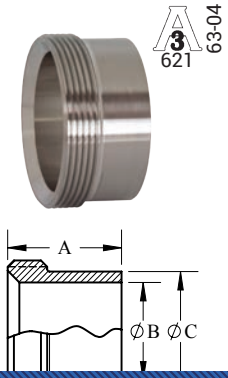

## Light Wall Tank Threaded Bevel Seat Ferrules - 15WL

| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1" | 2.00 | .87 | 15WL-G100 |
| 1-1/2" | 2.25 | 1.37 | 15WL-G150 |
| 2" | 2.50 | 1.87 | 15WL-G200 |
| 2-1/2" | 2.75 | 2.37 | 15WL-G250 |
| 3" | 3.00 | 2.87 | 15WL-G300 |
| 4" | 4.00 | 3.83 | 15WL-G400 |




## Heavy Wall Tank Threaded Bevel Seat Ferrules - 15W

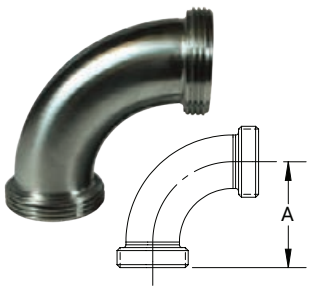
| Tube O.D. | A (in) | B (in) | C (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1" | 1.50 | .87 | 1.16 | 15W-G100 | 15W-R100 |
| 1-1/2" | 1.63 | 1.37 | 1.68 | 15W-G150 | 15W-R150 |
| 2" | 1.75 | 1.87 | 2.19 | 15W-G200 | 15W-R200 |
| 2-1/2" | 1.75 | 2.37 | 2.71 | 15W-G250 | 15W-R250 |
| 3" | 1.81 | 2.87 | 3.22 | 15W-G300 | 15W-R300 |



## Bevel Seat Elbows

A 3 621 63-04

### Threaded Bevel Seat x Threaded Bevel Seat 90° Elbows - B2C




| Tube O.D. | A (in) | 304 Stainless Steel Part # |
|---|---|---|
| 1" | 2.22 | B2C-G100 |
| 1-1/2" | 2.97 | B2C-G150 |
| 2" | 3.75 | B2C-G200 |
| 2-1/2" | 4.63 | B2C-G250 |
| 3" | 5.41 | B2C-G300 |
| 4" | 7.03 | B2C-G400 |

A 3 621 63-04

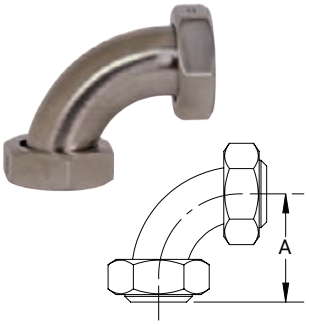
### Threaded Bevel Seat x Plain Bevel Seat with Hex Nut 90° Elbows - B2F




| Tube O.D. | A (in) | 304 Stainless Steel Part # |
|---|---|---|
| 1" | 2.22 | B2F-G100 |
| 1-1/2" | 2.97 | B2F-G150 |
| 2" | 3.75 | B2F-G200 |
| 2-1/2" | 4.63 | B2F-G250 |
| 3" | 5.41 | B2F-G300 |
| 4" | 7.03 | B2F-G400 |

A 3 621 63-04

### Plain Bevel Seat x Plain Bevel Seat with Hex Nut 90° Elbows - B2E

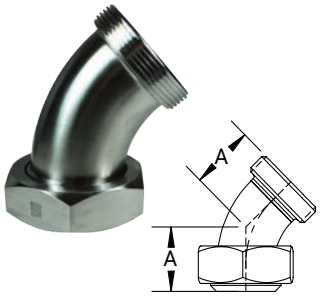



| Tube O.D. | A (in) | 304 Stainless Steel Part # |
|---|---|---|
| 1" | 2.22 | B2E-G100 |
| 1-1/2" | 2.97 | B2E-G150 |
| 2" | 3.75 | B2E-G200 |
| 2-1/2" | 4.63 | B2E-G250 |
| 3" | 5.41 | B2E-G300 |
| 4" | 7.03 | B2E-G400 |

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A 3 621 63-04

### Threaded Bevel Seat x Plain Bevel Seat with Hex Nut 45° Elbows - B2P



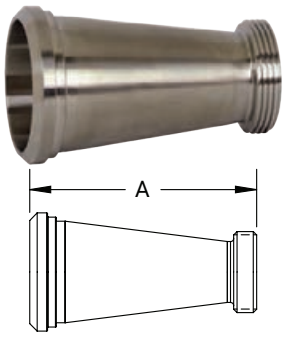

| Tube O.D. | A (in) | 304 Stainless Steel Part # |
|---|---|---|
| 1" | 1.34 | B2P-G100 |
| 1-1/2" | 1.66 | B2P-G150 |
| 2" | 2.00 | B2P-G200 |
| 2-1/2" | 2.44 | B2P-G250 |
| 3" | 2.78 | B2P-G300 |
| 4" | 3.53 | B2P-G400 |

# Bevel Seat Concentric Reducers

## Plain Bevel Seat x Threaded Bevel Seat Concentric Reducers - B3115F

3-A 621 63-04

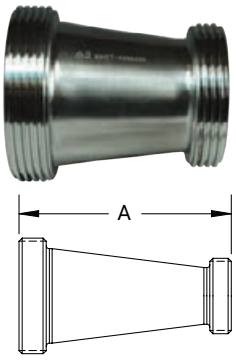
| Tube O.D. | A (in) | 304 Stainless Steel Part # |
|---|---|---|
| 1-1/2" x 1" | 3.44 | B3115F-G150100 |
| 2" x 1-1/2" | 3.47 | B3115F-G200150 |
| 2-1/2" x 2" | 3.63 | B3115F-G250200 |
| 3" x 2" | 5.66 | B3115F-G300200 |
| 3" x 2-1/2" | 3.78 | B3115F-G300250 |
| 4" x 3" | 5.94 | B3115F-G400300 |




## Threaded Bevel Seat x Threaded Bevel Seat Concentric Reducers - B31TT

3-A 621 63-04

| Tube O.D. | A (in) | 304 Stainless Steel Part # |
|---|---|---|
| 1-1/2" x 1" | 3.44 | B31TT-G150100 |
| 2" x 1-1/2" | 3.47 | B31TT-G200150 |
| 2-1/2" x 2" | 3.63 | B31TT-G250200 |
| 3" x 2" | 5.66 | B31TT-G300200 |
| 3" x 2-1/2" | 3.78 | B31TT-G300250 |
| 4" x 3" | 5.94 | B31TT-G400300 |

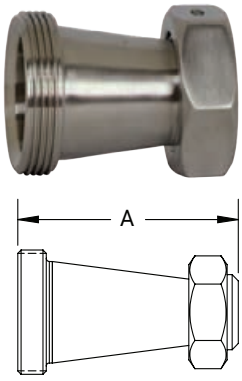



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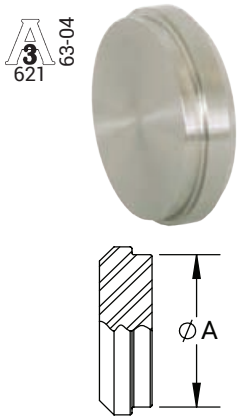
## Threaded Bevel Seat x Plain Bevel Seat with Hex Nut Concentric Reducers - B31TP

3-A 621 63-04

| Tube O.D. | A (in) | 304 Stainless Steel Part # |
|---|---|---|
| 1-1/2" x 1" | 3.44 | B31TP-G150100 |
| 2" x 1-1/2" | 3.47 | B31TP-G200150 |
| 2-1/2" x 2" | 3.63 | B31TP-G250200 |
| 3" x 2" | 5.66 | B31TP-G300200 |
| 3" x 2-1/2" | 3.78 | B31TP-G300250 |
| 4" x 3" | 5.94 | B31TP-G400300 |



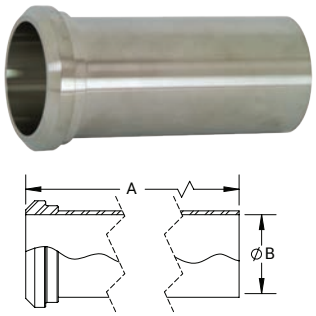
## Bevel Seat End Caps




### Plain Bevel Seat Solid End Caps - 16A

| Tube O.D. | A (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|
| 1" | 1.16 | 16A-G100 | 16A-R100 |
| 1-1/2" | 1.67 | 16A-G150 | 16A-R150 |
| 2" | 2.19 | 16A-G200 | 16A-R200 |
| 2-1/2" | 2.71 | 16A-G250 | 16A-R250 |
| 3" | 3.22 | 16A-G300 | 16A-R300 |
| 4" | 4.26 | 16A-G400 | 16A-R400 |

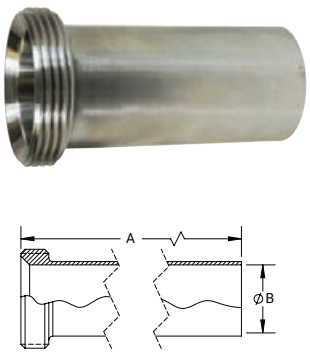
## Bevel Seat Adapters




### Plain Bevel Seat Tygon® Hose Adapters - 14AHT

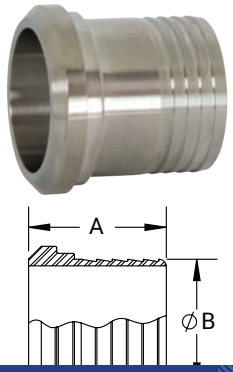
| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1" | 4.69 | .87 | 14AHT-G100 |
| 1-1/2" | 4.72 | 1.37 | 14AHT-G150 |
| 2" | 4.72 | 1.87 | 14AHT-G200 |
| 2-1/2" | 4.84 | 2.37 | 14AHT-G250 |
| 3" | 4.91 | 2.87 | 14AHT-G300 |
| 4" | 5.22 | 3.83 | 14AHT-G400 |

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### Threaded Bevel Seat Tygon® Hose Adapters - 15AHT

| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1" | 4.50 | .87 | 15AHT-G100 |
| 1-1/2" | 4.50 | 1.37 | 15AHT-G150 |
| 2" | 4.50 | 1.87 | 15AHT-G200 |
| 2-1/2" | 4.50 | 2.37 | 15AHT-G250 |
| 3" | 4.50 | 2.87 | 15AHT-G300 |
| 4" | 5.00 | 3.83 | 15AHT-G400 |




### Plain Bevel Seat Rubber Hose Adapters - 14AHR

| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1" | 1.69 | 1.00 | 14AHR-G100 |
| 1-1/2" | 1.69 | 1.50 | 14AHR-G150 |
| 2" | 2.31 | 2.00 | 14AHR-G200 |
| 2-1/2" | 2.67 | 2.50 | 14AHR-G250 |
| 3" | 3.10 | 3.00 | 14AHR-G300 |
| 4" | 4.00 | 4.00 | 14AHR-G400 |

# I-line / Q-line Clamps

## Heavy Duty Clamps - 13ILH

| Tube O.D. | Service Pressure Rating PSI @ 70°F (21°C)[1] | Service Pressure Rating PSI @ 250°F (121°C)[1] | A (in) | Part # |
|---|---|---|---|---|
| 1"- 1-1/2" | **700** | **250** | 2.12 | 13ILH100-150 |
| 2" | **450** | **250** | 2.65 | 13ILH200 |
| 2-1/2" | **450** | **200** | 3.19 | 13ILH250 |
| 3" | **350** | **150** | 3.72 | 13ILH300 |
| 4" | **200** | **125** | 4.82 | 13ILH400 |
| 6" | **150** | **100** | 7.69 | 13ILH600 |
| 8" | **125** | **75** | 9.69 | 13ILH800 |

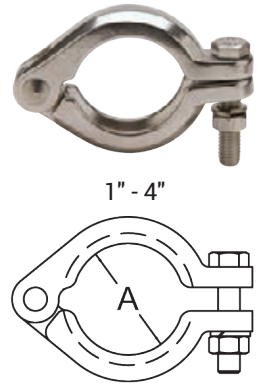
[1] Wing nut tightened to 25 in-lb of torque




## Bolted Clamps - 13ILB

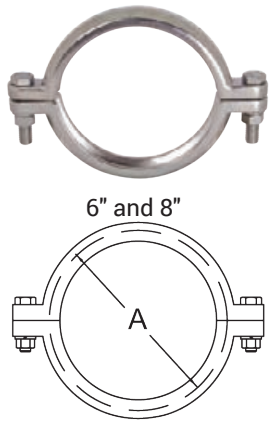
| Tube O.D. | Service Pressure Rating PSI @ 70°F (21°C)[1] | Service Pressure Rating PSI @ 250°F (121°C)[1] | A (in) | Part # |
|---|---|---|---|---|
| 1"- 1-1/2" | **1220** | **1100** | 2.12 | 13ILB100-150 |
| 2" | **900** | **830** | 2.65 | 13ILB200 |
| 2-1/2" | **720** | **660** | 3.19 | 13ILB250 |
| 3" | **600** | **550** | 3.72 | 13ILB300 |
| 4" | **570** | **525** | 4.82 | 13ILB400 |

[1] Nut tightened to 20 ft-lb of torque



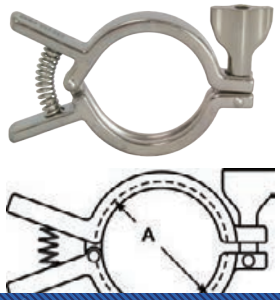

| Tube O.D. | Service Pressure Rating PSI @ 70°F (21°C)[1] | Service Pressure Rating PSI @ 250°F (121°C)[1] | A (in) | Part # |
|---|---|---|---|---|
| 6" | **300** | **200** | 7.69 | 13ILB600 |
| 8" | **250** | **150** | 9.69 | 13ILB800 |

[1] Nut tightened to 20 ft-lb of torque



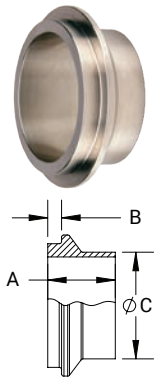

## Squeeze Clamps - 13IL-Q

| Tube O.D. | Service Pressure Rating PSI @ 70°F (21°C)[1] | Service Pressure Rating PSI @ 250°F (121°C)[1] | A (in) | Part # |
|---|---|---|---|---|
| 1"- 1-1/2" | **700** | **250** | 2.12 | 13IL-Q100150 |
| 2" | **450** | **250** | 2.65 | 13IL-Q200 |



## I-Line/Q-Line - Ferrules

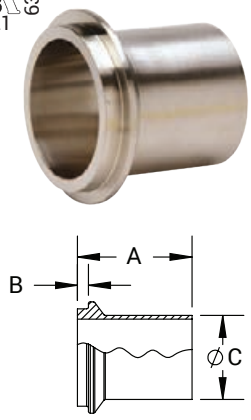
3-A 63-04 621




### Male I-Line Short Weld Ferrules - 14WI

| Tube O.D. | A (in) | B (in) | C (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1" | .79 | .19 | 1.00 | 14WI-G100 | 14WI-R100 |
| 1-1/2" | .95 | .20 | 1.50 | 14WI-G150 | 14WI-R150 |
| 2" | 1.04 | .26 | 2.00 | 14WI-G200 | 14WI-R200 |
| 2-1/2" | 1.16 | .31 | 2.50 | 14WI-G250 | 14WI-R250 |
| 3" | 1.22 | .31 | 3.00 | 14WI-G300 | 14WI-R300 |
| 4" | 1.35 | .31 | 4.00 | 14WI-G400 | 14WI-R400 |
| 6" | 1.13 | .19 | 6.00 | --- | 14WI-R600 |
| 8" | 1.13 | .19 | 8.00 | --- | 14WI-R800 |

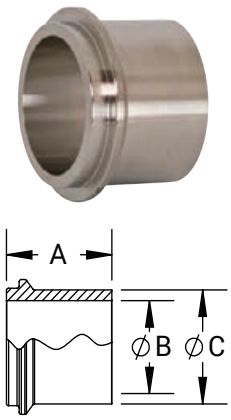
3-A 63-04 621




### Male I-Line Long Weld Ferrules - 14WLI

| Tube O.D. | A (in) | B (in) | C (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1" | 1.755 | 0.19 | 1.00 | 14WLI-G100 | 14WLI-R100 |
| 1-1/2" | 2.035 | 0.20 | 1.50 | 14WLI-G150 | 14WLI-R150 |
| 2" | 2.320 | 0.26 | 2.00 | 14WLI-G200 | 14WLI-R200 |
| 2-1/2" | 2.500 | 0.31 | 2.50 | 14WLI-G250 | 14WLI-R250 |
| 3" | 2.685 | 0.31 | 3.00 | 14WLI-G300 | 14WLI-R300 |
| 4" | 3.005 | 0.31 | 4.00 | 14WLI-G400 | 14WLI-R400 |
| 6" | 2.884 | 0.19 | 6.00 | 14WLI-G600 | 14WLI-R600 |

3-A 63-04 621



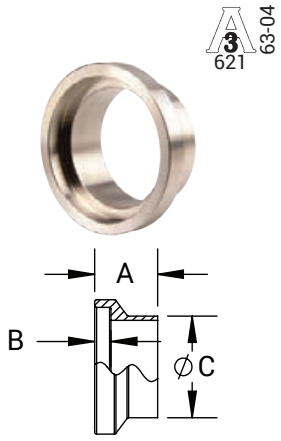

### Male I-Line Heavy Wall Tank Weld Ferrules - 14WHI

| Tube O.D. | A (in) | B (in) | C (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1" | 1.50 | .87 | 1.25 | 14WHI-G100 | 14WHI-R100 |
| 1-1/2" | 1.63 | 1.37 | 1.69 | 14WHI-G150 | 14WHI-R150 |
| 2" | 1.75 | 1.87 | 2.25 | 14WHI-G200 | 14WHI-R200 |
| 2-1/2" | 1.75 | 2.37 | 2.75 | 14WHI-G250 | 14WHI-R250 |
| 3" | 1.81 | 2.87 | 3.31 | 14WHI-G300 | 14WHI-R300 |
| 4" | 2.13 | 3.83 | 4.25 | 14WHI-G400 | 14WHI-R400 |
| 6" | 3.00 | 5.78 | 6.88 | --- | 14WHI-R600 |

# I-Line/Q-Line - Ferrules

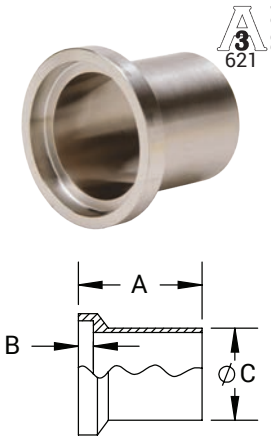
## Female I-Line Short Weld Ferrules - 15WI

| Tube O.D. | A (in) | B (in) | C (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1" | .79 | .25 | 1.00 | 15WI-G100 | 15WI-R100 |
| 1-1/2" | .95 | .25 | 1.50 | 15WI-G150 | 15WI-R150 |
| 2" | 1.04 | .31 | 2.00 | 15WI-G200 | 15WI-R200 |
| 2-1/2" | 1.16 | .36 | 2.50 | 15WI-G250 | 15WI-R250 |
| 3" | 1.22 | .36 | 3.00 | 15WI-G300 | 15WI-R300 |
| 4" | 1.35 | .36 | 4.00 | 15WI-G400 | 15WI-R400 |
| 6" | 1.13 | .24 | 6.00 | --- | 15WI-R600 |
| 8" | 1.13 | .24 | 8.00 | --- | 15WI-R800 |



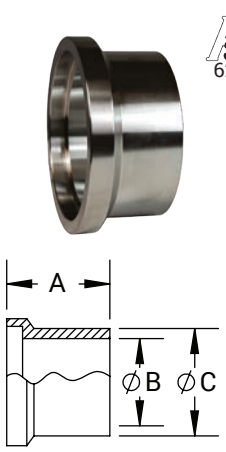

## Female I-Line Long Weld Ferrules - 15WLI

| Tube O.D. | A (in) | B (in) | C (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1" | 1.75 | .25 | 1.00 | 15WLI-G100 | 15WLI-R100 |
| 1-1/2" | 2.03 | .25 | 1.50 | 15WLI-G150 | 15WLI-R150 |
| 2" | 2.31 | .31 | 2.00 | 15WLI-G200 | 15WLI-R200 |
| 2-1/2" | 2.50 | .36 | 2.50 | 15WLI-G250 | 15WLI-R250 |
| 3" | 2.69 | .36 | 3.00 | 15WLI-G300 | 15WLI-R300 |
| 4" | 3.00 | .36 | 4.00 | 15WLI-G400 | 15WLI-R400 |
| 6" | 3.00 | .24 | 6.00 | --- | 15WLI-R600 |

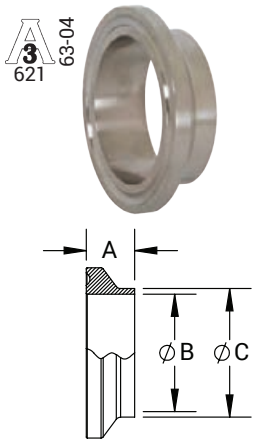



## Female I-Line Heavy Wall Tank Weld Ferrules - 15WHI

| Tube O.D. | A (in) | B (in) | C (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1" | 1.50 | .87 | 1.25 | 15WHI-G100 | 15WHI-R100 |
| 1-1/2" | 1.63 | 1.37 | 1.69 | 15WHI-G150 | 15WHI-R150 |
| 2" | 1.75 | 1.87 | 2.25 | 15WHI-G200 | 15WHI-R200 |
| 2-1/2" | 1.75 | 2.37 | 2.75 | 15WHI-G250 | 15WHI-R250 |
| 3" | 1.81 | 2.87 | 3.31 | 15WHI-G300 | 15WHI-R300 |
| 4" | 2.13 | 3.83 | 4.25 | 15WHI-G400 | 15WHI-R400 |

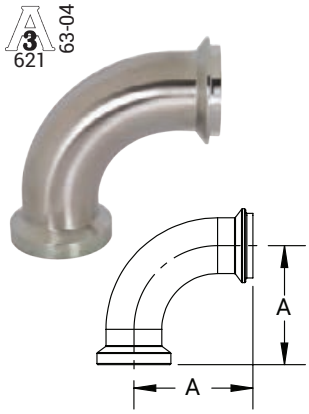


## I-Line/Q-Line - Ferrules



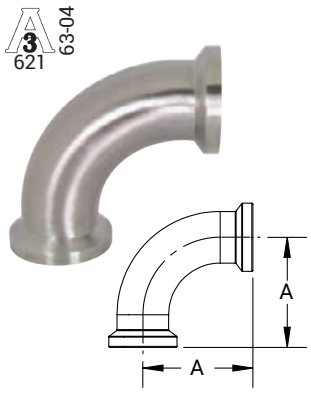

### Q-Line Weld Ferrules - 14WQ

| Tube O.D. | A (in) | B (in) | C (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1" | .53 | .87 | 1.00 | 14WQ-G100 |
| 1-1/2" | .56 | 1.37 | 1.50 | 14WQ-G150 |
| 2" | .81 | 1.87 | 2.00 | 14WQ-G200 |
| 2-1/2" | .94 | 2.37 | 2.50 | 14WQ-G250 |
| 3" | .94 | 2.87 | 3.00 | 14WQ-G300 |
| 4" | 1.00 | 3.83 | 4.00 | 14WQ-G400 |




### 90° Female I-Line x Male I-Line Elbows - B2FI

| Tube O.D. | A (in) | 304 Stainless Steel Part # |
|---|---|---|
| 1" | 2.29 | B2FI-G100 |
| 1-1/2" | 3.20 | B2FI-G150 |
| 2" | 4.04 | B2FI-G200 |
| 2-1/2" | 4.91 | B2FI-G250 |
| 3" | 5.72 | B2FI-G300 |
| 4" | 7.35 | B2FI-G400 |




### 90° Female I-Line Elbows - B2CI

| Tube O.D. | A (in) | 304 Stainless Steel Part # |
|---|---|---|
| 1" | 2.29 | B2CI-G100 |
| 1-1/2" | 3.20 | B2CI-G150 |
| 2" | 4.04 | B2CI-G200 |
| 2-1/2" | 4.91 | B2CI-G250 |
| 3" | 5.72 | B2CI-G300 |
| 4" | 7.35 | B2CI-G400 |



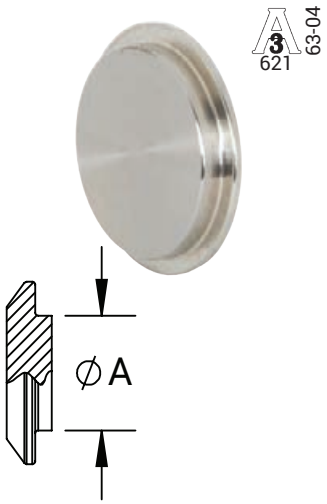

### 90° Male I-Line Elbows - B2EI

| Tube O.D. | A (in) | 304 Stainless Steel Part # |
|---|---|---|
| 1" | 2.29 | B2EI-G100 |
| 1-1/2" | 3.20 | B2EI-G150 |
| 2" | 4.04 | B2EI-G200 |
| 2-1/2" | 4.91 | B2EI-G250 |
| 3" | 5.72 | B2EI-G300 |
| 4" | 7.35 | B2EI-G400 |

# I-Line / Q-Line - End Caps

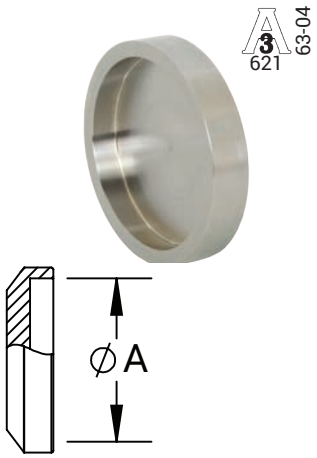
## Male I-Line Solid End Caps - 16AI-14I

| Tube O.D. | A (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|
| 1" | 1.25 | 16AI-14I100 | 16AI-14I100R |
| 1-1/2" | 1.74 | 16AI-14I150 | 16AI-14I150R |
| 2" | 2.24 | 16AI-14I200 | 16AI-14I200R |
| 2-1/2" | 2.74 | 16AI-14I250 | 16AI-14I250R |
| 3" | 3.30 | 16AI-14I300 | 16AI-14I300R |
| 4" | 4.30 | 16AI-14I400 | 16AI-14I400R |
| 6" | 6.83 | 16AI-14I600 | 16AI-14I600R |
| 8" | 8.83 | --- | 16AI-14I800R |



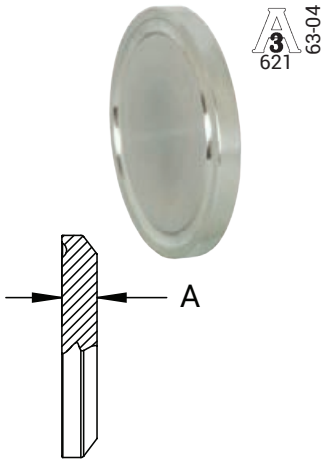

## Female I-Line Solid End Caps - 16AI-15I

| Tube O.D. | A (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|
| 1" | 1.27 | 16AI-15I100 | 16AI-15I100R |
| 1-1/2" | 1.76 | 16AI-15I150 | 16AI-15I150R |
| 2" | 2.26 | 16AI-15I200 | 16AI-15I200R |
| 2-1/2" | 2.76 | 16AI-15I250 | 16AI-15I250R |
| 3" | 3.32 | 16AI-15I300 | 16AI-15I300R |
| 4" | 4.32 | 16AI-15I400 | 16AI-15I400R |
| 6" | 6.92 | 16AI-15I600 | 16AI-15I600R |
| 8" | 8.92 | --- | 16AI-15I800R |




## Q-Line Solid End Caps - 16AQ

| Tube O.D. | A (in) | 304 Stainless Steel Part # |
|---|---|---|
| 1" | 0.19 | 16AQ-G100 |
| 1-1/2" | 0.19 | 16AQ-G150 |
| 2" | 0.25 | 16AQ-G200 |
| 2-1/2" | 0.26 | 16AQ-G250 |
| 3" | 0.26 | 16AQ-G300 |
| 4" | 0.25 | 16AQ-G400 |

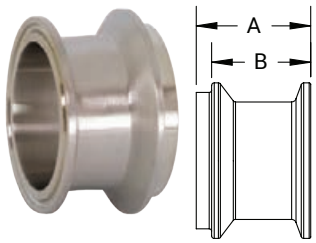



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## I-Line/Q-Line Adapters

A 3 621 63-04

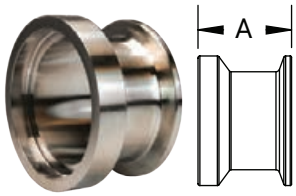
### Male I-Line x Clamp Adapters - 17-14I-14MP




| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1" | 1.29 | 1.10 | 17-14I-14MPG100 |
| 1-1/2" | 1.45 | 1.26 | 17-14I-14MPG150 |
| 2" | 1.54 | 1.29 | 17-14I-14MPG200 |
| 2-1/2" | 1.66 | 1.35 | 17-14I-14MPG250 |
| 3" | 1.72 | 1.41 | 17-14I-14MPG300 |
| 4" | 1.98 | 1.67 | 17-14I-14MPG400 |

A 3 621 63-04

### Female I-Line x Clamp Adapters - 17-15I-14MP

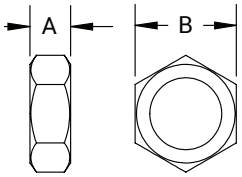



| Tube O.D. | A (in) | 304 Stainless Steel Part # |
|---|---|---|
| 1" | 1.28 | 17-15I-14MPG100 |
| 1-1/2" | 1.45 | 17-15I-14MPG150 |
| 2" | 1.54 | 17-15I-14MPG200 |
| 2-1/2" | 1.63 | 17-15I-14MPG250 |
| 3" | 1.72 | 17-15I-14MPG300 |
| 4" | 1.97 | 17-15I-14MPG400 |

## John Perry Nuts

### Union Hex Nuts - 13H



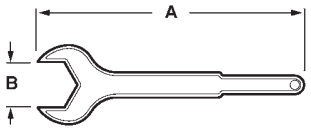



| Tube O.D. | A (in) | B (in) | 304 Stainless Steel (CF8) Part # |
|---|---|---|---|
| 1" | .91 | 1.81 | 13H-G100 |
| 1-1/2" | .97 | 2.41 | 13H-G150 |
| 2" | 1.06 | 3.00 | 13H-G200 |
| 2-1/2" | 1.19 | 3.59 | 13H-G250 |
| 3" | 1.28 | 4.19 | 13H-G300 |
| 4" | 1.50 | 5.44 | 13H-G400 |

## John Perry Wrenches

### Single-Side Hex Wrenches - 25H



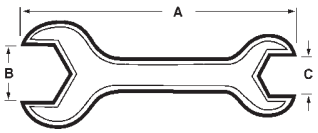



| Tube O.D. | A (in) | B (in) | Weight lbs. | Aluminum Part # |
|---|---|---|---|---|
| 1" | 10.50 | 1.81 | .64 | 25H-100 |
| 1-1/2" | 12.00 | 2.41 | .86 | 25H-150 |
| 2" | 14.00 | 3.00 | 1.76 | 25H-200 |
| 2-1/2" | 16.25 | 3.59 | 2.40 | 25H-250 |
| 3" | 18.50 | 4.19 | 3.04 | 25H-300 |
| 4" | 19.50 | 5.44 | 3.62 | 25H-400 |

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### Two-Sided Hex Wrenches - 25H

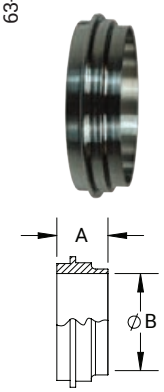





| Tube O.D. | A (in) | B (in) | C (in) | Weight lbs. | Aluminum Part # |
|---|---|---|---|---|---|
| 1-1/2" x 1" | 12.00 | 2.41 | 1.81 | 1.00 | 25H-150100 |
| 2" x 1-1/2" | 14.00 | 3.00 | 2.41 | 1.75 | 25H-200150 |
| 2-1/2" x 2" | 16.50 | 3.59 | 3.00 | 2.80 | 25H-250200 |
| 3" x 2" | 18.00 | 4.19 | 3.00 | 3.20 | 25H-300200 |
| 3" x 2-1/2" | 18.00 | 4.19 | 3.59 | 3.70 | 25H-300250 |

# John Perry Ferrules

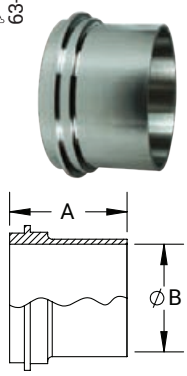
A 3 621 63-04




## John Perry Short Plain Weld Ferrules - 14PRFJP

| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | .69 | .87 | 14PRFJP-G100 | 14PRFJP-R100 |
| 1-1/2" | .72 | 1.37 | 14PRFJP-G150 | 14PRFJP-R150 |
| 2" | .72 | 1.87 | 14PRFJP-G200 | 14PRFJP-R200 |
| 2-1/2" | .84 | 2.37 | 14PRFJP-G250 | 14PRFJP-R250 |
| 3" | .91 | 2.87 | 14PRFJP-G300 | 14PRFJP-R300 |
| 4" | 1.22 | 3.83 | 14PRFJP-G400 | 14PRFJP-R400 |

A 3 621 63-04

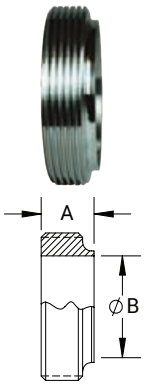



## John Perry Long Plain Weld Ferrules - L14AJP

| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 1.38 | .87 | L14AJP-G100 | L14AJP-R100 |
| 1-1/2" | 1.50 | 1.37 | L14AJP-G150 | L14AJP-R150 |
| 2" | 1.50 | 1.87 | L14AJP-G200 | L14AJP-R200 |
| 2-1/2" | 1.75 | 2.37 | L14AJP-G250 | L14AJP-R250 |
| 3" | 1.75 | 2.87 | L14AJP-G300 | L14AJP-R300 |
| 4" | 1.75 | 3.83 | L14AJP-G400 | L14AJP-R400 |

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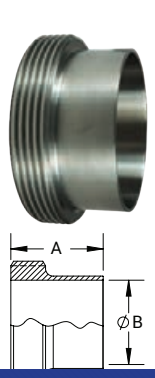
A 3 621 63-04




## John Perry Threaded Short Weld Ferrules - 15TRFJP

| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | .69 | .87 | 15TRFJP-G100 | 15TRFJP-R100 |
| 1-1/2" | .72 | 1.37 | 15TRFJP-G150 | 15TRFJP-R150 |
| 2" | .72 | 1.87 | 15TRFJP-G200 | 15TRFJP-R200 |
| 2-1/2" | .84 | 2.37 | 15TRFJP-G250 | 15TRFJP-R250 |
| 3" | .91 | 2.87 | 15TRFJP-G300 | 15TRFJP-R300 |
| 4" | 1.22 | 3.83 | 15TRFJP-G400 | 15TRFJP-R400 |

A 3 621 63-04



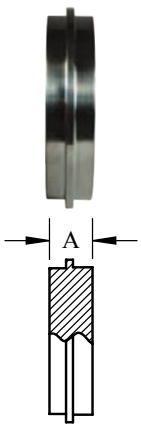

## John Perry Threaded Long Weld Ferrules - L15AJP

| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 1.38 | .87 | L15AJP-G100 | L15AJP-R100 |
| 1-1/2" | 1.50 | 1.37 | L15AJP-G150 | L15AJP-R150 |
| 2" | 1.50 | 1.87 | L15AJP-G200 | L15AJP-R200 |
| 2-1/2" | 1.75 | 2.37 | L15AJP-G250 | L15AJP-R250 |
| 3" | 1.75 | 2.87 | L15AJP-G300 | L15AJP-R300 |

# John Perry End Caps

## John Perry Solid End Caps - 16AJP

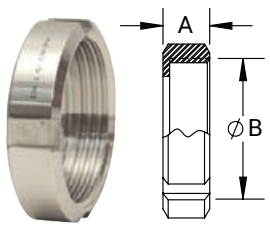
| Tube O.D. | A (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|
| 1" | .47 | 16AJP-G100 | 16AJP-R100 |
| 1-1/2" | .48 | 16AJP-G150 | 16AJP-R150 |
| 2" | .53 | 16AJP-G200 | 16AJP-R200 |
| 2-1/2" | .55 | 16AJP-G250 | 16AJP-R250 |
| 3" | .61 | 16AJP-G300 | 16AJP-R300 |
| 4" | .69 | 16AJP-G400 | 16AJP-R400 |




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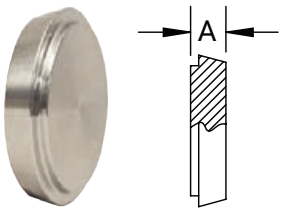
# European Fittings - DIN

## DIN Round Nuts - 13R



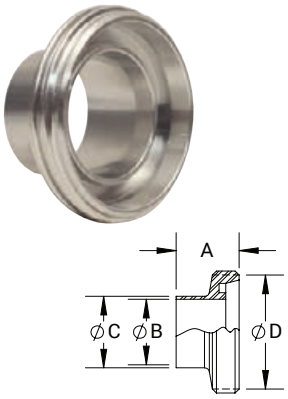

| Nominal Size | A (mm) | B (mm) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1" | 21.0 | Rd 52 x 1/6" | 13R-G100DIN |
| 1-1/2" | 21.0 | Rd 65 x 1/6" | 13R-G150DIN |
| 2" | 22.0 | Rd 78 x 1/6" | 13R-G200DIN |
| 2-1/2" | 25.0 | Rd 95 x 1/6" | 13R-G250DIN |
| 3" | 29.0 | Rd 110 x 1/4" | 13R-G300DIN |
| 4" | 31.0 | Rd 130 x 1/4" | 13R-G400DIN |

## DIN Blank Caps - 16AMP



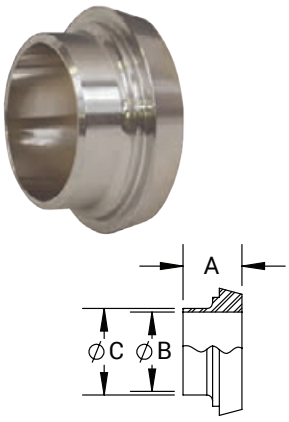

| Nominal Size | A (mm) | 316 Stainless Steel Part # |
|---|---|---|
| 1" | 13.0 | 16AMP-R100DIN |
| 1-1/2" | 13.0 | 16AMP-R150DIN |
| 2" | 14.0 | 16AMP-R200DIN |
| 2-1/2" | 16.0 | 16AMP-R250DIN |
| 3" | 16.0 | 16AMP-R300DIN |
| 4" | 20.0 | 16AMP-R400DIN |

## DIN x Tube O.D. Welding Male Adapters - 15A




| Nominal Size | A (mm) | B (mm) | C (mm) | D (mm) | 316 Stainless Steel Part # |
|---|---|---|---|---|---|
| 1" | 29.0 | 22.1 | 25.4 | Rd 52 x 1/6" | 15A-R100DIN |
| 1-1/2" | 33.0 | 34.8 | 38.1 | Rd 65 x 1/6" | 15A-R150DIN |
| 2" | 35.0 | 47.5 | 50.8 | Rd 78 x 1/6" | 15A-R200DIN |
| 2-1/2" | 40.0 | 60.2 | 63.5 | Rd 95 x 1/6" | 15A-R250DIN |
| 3" | 45.0 | 72.9 | 76.2 | Rd 110 x 1/4" | 15A-R300DIN |
| 4" | 54.0 | 97.4 | 101.6 | Rd 130 x 1/4" | 15A-R400DIN |

## DIN x Tube O.D. Welding Liner Adapters - 14A



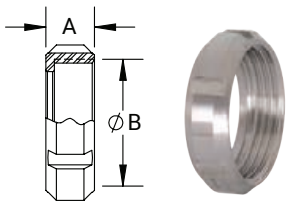

| Nominal Size | A (mm) | B (mm) | C (mm) | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 22.0 | 22.1 | 25.4 | 14A-R100DIN |
| 1-1/2" | 26.0 | 34.8 | 38.1 | 14A-R150DIN |
| 2" | 28.0 | 47.5 | 50.8 | 14A-R200DIN |
| 2-1/2" | 32.0 | 60.2 | 63.5 | 14A-R250DIN |
| 3" | 37.0 | 72.9 | 76.2 | 14A-R300DIN |
| 4" | 44.0 | 97.4 | 101.6 | 14A-R400DIN |

NOTE: Manufactured in accordance to Imperial DIN 11851

# SMS

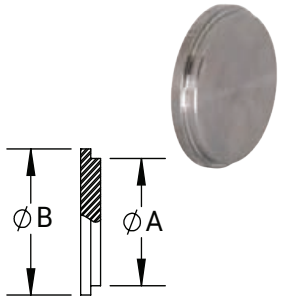
## SMS Round Nuts - 13R

| Nominal Size | A (mm) | B (mm) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1" | 19.0 | Rd 40 x 1/6" | 13R-G100SMS |
| 1-1/2" | 23.0 | Rd 60 x 1/6" | 13R-G150SMS |
| 2" | 24.0 | Rd 70 x 1/6" | 13R-G200SMS |
| 2-1/2" | 28.0 | Rd 85 x 1/6" | 13R-G250SMS |
| 3" | 30.0 | Rd 98 x 1/6" | 13R-G300SMS |
| 4" | 31.0 | Rd 125 x 1/4" | 13R-G400SMS |



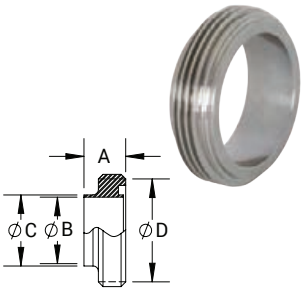

## SMS Blank Caps - 16AMP

| Nominal Size | A (mm) | B (mm) | 316 Stainless Steel Part # |
|---|---|---|---|
| 1" | 32.0 | 35.5 | 16AMP-R100SMS |
| 1-1/2" | 47.9 | 55.0 | 16AMP-R150SMS |
| 2" | 60.4 | 65.0 | 16AMP-R200SMS |
| 2-1/2" | 73.5 | 80.0 | 16AMP-R250SMS |
| 3" | 86.5 | 93.0 | 16AMP-R300SMS |
| 4" | 112.5 | 118.0 | 16AMP-R400SMS |



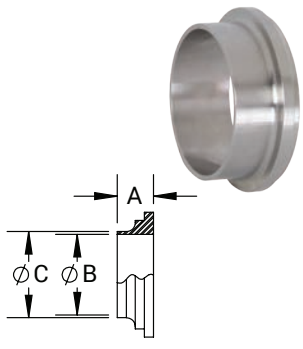

## SMS x Tube O.D. Adapters - 15A

| Nominal Size | A (mm) | B (mm) | C (mm) | D (mm) | 316 Stainless Steel Part # |
|---|---|---|---|---|---|
| 1" | 19.0 | 22.1 | 25.0 | Rd 40 x 1/6" | 15A-R100SMS |
| 1-1/2" | 23.0 | 34.8 | 38.0 | Rd 60 x 1/6" | 15A-R150SMS |
| 2" | 23.0 | 47.5 | 50.8 | Rd 70 x 1/6" | 15A-R200SMS |
| 2-1/2" | 27.0 | 60.2 | 63.5 | Rd 85 x 1/6" | 15A-R250SMS |
| 3" | 27.0 | 72.9 | 76.2 | Rd 98 x 1/6" | 15A-R300SMS |
| 4" | 30.0 | 97.4 | 101.6 | Rd 125 x 1/4" | 15A-R400SMS |



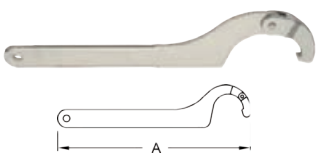

## SMS x Tube O.D. Welding Liners - 14A

| Nominal Size | A (mm) | B (mm) | C (mm) | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 15.5 | 22.1 | 25.0 | 14A-R100SMS |
| 1-1/2" | 16.0 | 34.8 | 38.0 | 14A-R150SMS |
| 2" | 17.0 | 47.5 | 50.8 | 14A-R200SMS |
| 2-1/2" | 17.0 | 60.2 | 63.5 | 14A-R250SMS |
| 3" | 19.0 | 72.9 | 76.2 | 14A-R300SMS |
| 4" | 19.0 | 97.4 | 101.6 | 14A-R400SMS |




## DIN and SMS Spanner Wrenches - SP

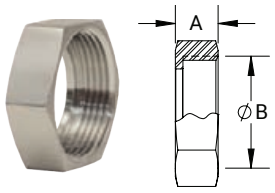
| Used On Nominal Size | A (mm) | Nickel Plated Steel Part # |
|---|---|---|
| 1" - 1-1/2" | 247.7 | DIN-SMS-60/90SP |
| 2" - 4" | 330.2 | DIN-SMS90/155SP |




M

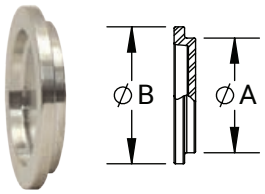
# European Fittings - RJT BS: 4825

## RJT Hex Nuts - 13H



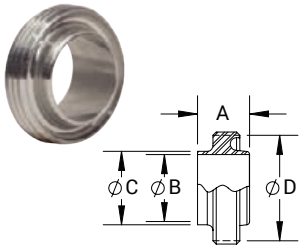

| Nominal Size | A (mm) | B (mm) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1" | 22.2 | 42.3 x 8TPI WHIT | 13H-G100RJT |
| 1-1/2" | 22.2 | 55.0 x 8TPI WHIT | 13H-G150RJT |
| 2" | 22.2 | 67.9 x 6TPI WHIT | 13H-G200RJT |
| 2-1/2" | 22.2 | 80.6 x 6TPI WHIT | 13H-G250RJT |
| 3" | 22.2 | 93.3 x 6TPI WHIT | 13H-G300RJT |
| 4" | 22.2 | 118.7 x 6TPI WHIT | 13H-G400RJT |

## RJT Blank Caps - 13RBN




| Nominal Size | A (mm) | B (mm) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1" | 32.5 | 41.3 | 13RBN-G100RJT |
| 1-1/2" | 45.2 | 54.0 | 13RBN-G150RJT |
| 2" | 57.9 | 66.7 | 13RBN-G200RJT |
| 2-1/2" | 70.6 | 79.4 | 13RBN-G250RJT |
| 3" | 83.3 | 92.1 | 13RBN-G300RJT |
| 4" | 108.7 | 117.5 | 13RBN-G400RJT |

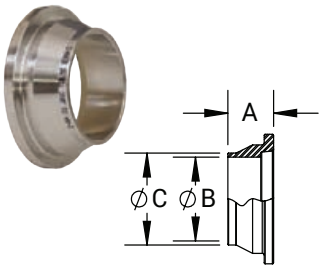
## RJT x Tube O.D. Adapters - 15A




| Nominal Size | A (mm) | B (mm) | C (mm) | D (mm) | 316 Stainless Steel Part # |
|---|---|---|---|---|---|
| 1" | 27.0 | 22.1 | 25.65 | 45.7 x 8T | 15A-R100RJT |
| 1-1/2" | 27.0 | 34.8 | 38.35 | 58.4 x 8T | 15A-R150RJT |
| 2" | 27.0 | 47.5 | 50.8 | 72.7 x 6T | 15A-R200RJT |
| 2-1/2" | 27.0 | 60.2 | 63.75 | 85.4 x 6T | 15A-R250RJT |
| 3" | 27.0 | 72.9 | 76.2 | 98.1 x 6T | 15A-R300RJT |
| 4" | 27.0 | 97.4 | 101.85 | 123.5 x 6T | 15A-R400RJT |

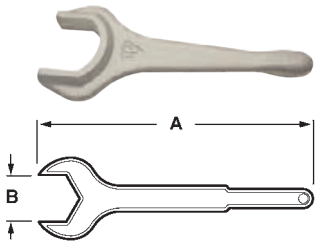
M

## RJT x Tube O.D. Welding Liners - 14A




| Nominal Size | A (mm) | B (mm) | C (mm) | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 19.5 | 22.1 | 25.65 | 14A-R100RJT |
| 1-1/2" | 19.5 | 34.8 | 38.35 | 14A-R150RJT |
| 2" | 19.5 | 47.5 | 50.8 | 14A-R200RJT |
| 2-1/2" | 19.5 | 60.2 | 63.75 | 14A-R250RJT |
| 3" | 19.5 | 72.9 | 76.2 | 14A-R300RJT |
| 4" | 19.5 | 97.4 | 101.85 | 14A-R400RJT |

## RJT Spanner Wrenches - SP

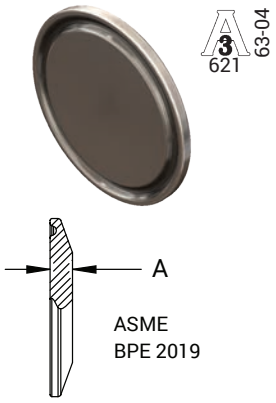



| Size | A (mm) | B (mm) | Aluminum Part # |
|---|---|---|---|
| 1" | 254.00 | 50.80 | RJT-100SP |
| 1-1/2" | 292.10 | 65.02 | RJT-150SP |
| 2" | 304.80 | 79.25 | RJT-200SP |
| 2-1/2" | 342.80 | 91.95 | RJT-250SP |
| 3" | 368.30 | 104.65 | RJT-300SP |
| 4" | 444.50 | 130.05 | RJT-400SP |

# High Purity BioPharm Fittings

## Solid End Caps - T16AMP

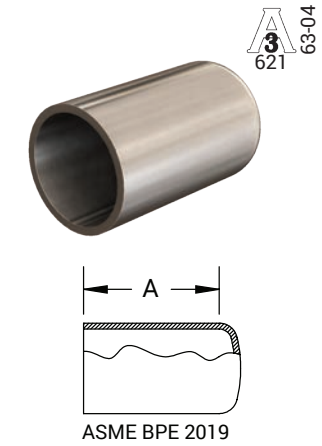
| Tube O.D. | A (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|
| 1/2" - 3/4" | 1.00 | T16AMP-050075PL | T16AMP-050075PM |
| 1" - 1-1/2" | 1.99 | T16AMP-100150PL | T16AMP-100150PM |
| 2" | 2.52 | T16AMP-200PL | T16AMP-200PM |
| 2-1/2" | 3.05 | T16AMP-250PL | T16AMP-250PM |
| 3" | 3.58 | T16AMP-300PL | T16AMP-300PM |
| 4" | 4.69 | T16AMP-400PL | T16AMP-400PM |
| 6" | 6.56 | T16AMP-600PL | T16AMP-600PM |




BPE Table DT-4.1.5-2

## Weld Caps - T16W

| Tube O.D. | A (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|
| 1/2" | 1.50 | T16W-050PL | T16W-050PM |
| 3/4" | 1.50 | T16W-075PL | T16W-075PM |
| 1" | 1.50 | T16W-100PL | T16W-100PM |
| 1-1/2" | 1.50 | T16W-150PL | T16W-150PM |
| 2" | 1.50 | T16W-200PL | T16W-200PM |
| 2-1/2" | 1.50 | T16W-250PL | T16W-250PM |
| 3" | 1.50 | T16W-300PL | T16W-300PM |
| 4" | 2.00 | T16W-400PL | T16W-400PM |
| 6" | 2.50 | T16W-600PL | T16W-600PM |



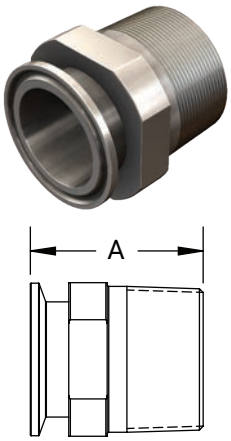

BPE Table DT-4.1.5-1

M

NOTE: BPE 2019 Specifications
PL Finish – SF1
PM Finish – SF4

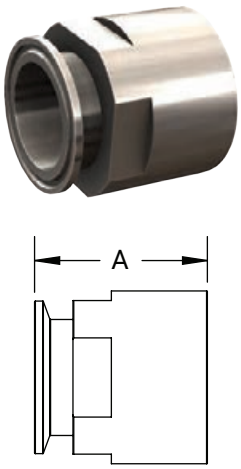
# High Purity BioPharm Line

## Clamp Adapter x Male NPT - T21MP



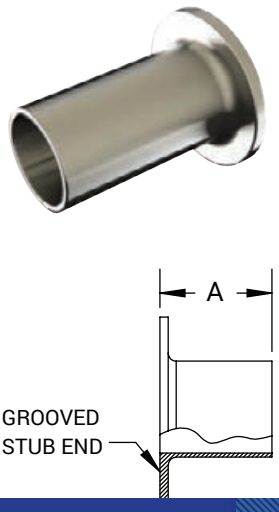

| Clamp Size | NPT Thread Size | A (in) | PL Finish - SF1 |
|---|---|---|---|
| 1/2" | 1/4" | 2.00 | T21MP-050025PL |
| | 3/8" | 2.00 | T21MP-050375PL |
| | 1/2" | 1.63 | T21MP-050PL |
| | 3/4" | 2.00 | T21MP-050075PL |
| 3/4" | 1/4" | 2.00 | T21MP-075025PL |
| | 3/8" | 2.00 | T21MP-075375PL |
| | 1/2" | 2.00 | T21MP-075050PL |
| | 3/4" | 1.79 | T21MP-075PL |
| 1" | 1/2" | 2.19 | T21MP-100050PL |
| | 1" | 2.25 | T21MP-100PL |
| 1-1/2" | 1-1/2" | 2.25 | T21MP-150PL |
| 2" | 2" | 2.64 | T21MP-200PL |
| 2-1/2" | 2-1/2" | 2.88 | T21MP-250PL |
| 3" | 3" | 3.07 | T21MP-300PL |
| 4" | 4" | 3.16 | T21MP-400PL |

## Clamp Adapter x Female NPT - T22MP




| Clamp Size | NPT Thread Size | A (in) | PL Finish - SF1 |
|---|---|---|---|
| 1/2" | 1/8" | 1.25 | T22MP-050125PL |
| | 1/4" | 1.50 | T22MP-050025PL |
| | 3/8" | 1.50 | T22MP-050375PL |
| | 1/2" | 1.50 | T22MP-050PL |
| | 3/4" | 1.63 | T22MP-050075PL |
| 3/4" | 1/4" | 1.50 | T22MP-075025PL |
| | 3/8" | 1.50 | T22MP-075375PL |
| | 1/2" | 1.50 | T22MP-075050PL |
| | 3/4" | 1.63 | T22MP-075PL |
| 1" | 1" | 1.63 | T22MP-100PL |
| 1-1/2" | 1-1/2" | 2.25 | T22MP-150PL |
| 2" | 2" | 2.34 | T22MP-200PL |
| 2-1/2" | 2-1/2" | 2.09 | T22MP-250PL |
| 3" | 3" | 2.19 | T22MP-300PL |
| 4" | 4" | 2.63 | T22MP-400PL |

## Stub Adapters - T14VB




| Tube O.D. | A (in) | PL Finish - SF1 |
|---|---|---|
| 1/2" | 2.00 | T14VB-050PL |
| 3/4" | 2.00 | T14VB-075PL |
| 1" | 2.00 | T14VB-100PL |
| 1-1/2" | 2.00 | T14VB-150PL |
| 2" | 2.50 | T14VB-200PL |
| 2-1/2" | 2.50 | T14VB-250PL |
| 3" | 2.50 | T14VB-300PL |
| 4" | 2.50 | T14VB-400PL |
| 6" | 3.00 | T14VB-600PL |

PL Finish – SF1
O.D. = 32Ra Mechanically Polished
I.D. = 20Ra Mechanically Polished

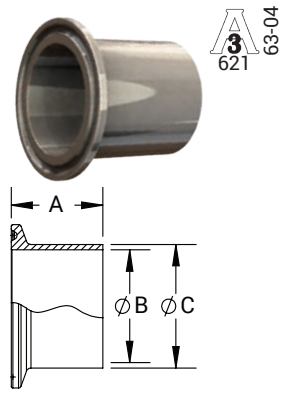
PM Finish – SF4
O.D. = 32Ra Mechanically Polished
I.D. = 15Ra Mechanically Polished and Electropolished

M

# High Purity BioPharm Fittings

## Automatic Weld Ferrules - TL14AM7

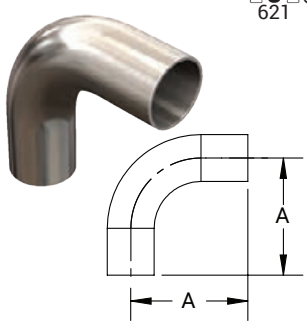
| Tube O.D. | A (in) | B (in) | C (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|---|---|
| 1/2" | 1.75 | 0.37 | 0.50 | TL14AM7-050PL | TL14AM7-050PM |
| 3/4" | 1.75 | 0.62 | 0.75 | TL14AM7-075PL | TL14AM7-075PM |
| 1" | 1.75 | 0.87 | 1.00 | TL14AM7-100PL | TL14AM7-100PM |
| 1-1/2" | 1.75 | 1.37 | 1.50 | TL14AM7-150PL | TL14AM7-150PM |
| 2" | 2.25 | 1.87 | 2.00 | TL14AM7-200PL | TL14AM7-200PM |
| 2-1/2" | 2.25 | 2.37 | 2.50 | TL14AM7-250PL | TL14AM7-250PM |
| 3" | 2.25 | 2.87 | 3.00 | TL14AM7-300PL | TL14AM7-300PM |
| 4" | 2.25 | 3.83 | 4.00 | TL14AM7-400PL | TL14AM7-400PM |
| 6" | 3.00 | 5.78 | 6.00 | TL14AM7-600PL | TL14AM7-600PM |




BPE Table DT-4.1.4-1
ASME BPE 2019

## 90° Weld Elbows - T2S

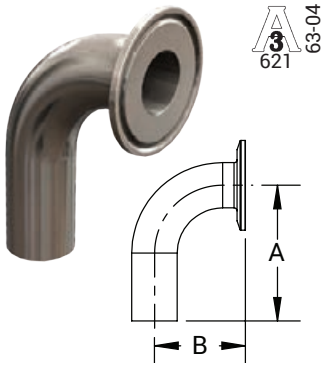
| Tube O.D. | A (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|
| 1/2" | 3.00 | T2S-050PL | T2S-050PM |
| 3/4" | 3.00 | T2S-075PL | T2S-075PM |
| 1" | 3.00 | T2S-100PL | T2S-100PM |
| 1-1/2" | 3.75 | T2S-150PL | T2S-150PM |
| 2" | 4.75 | T2S-200PL | T2S-200PM |
| 2-1/2" | 5.50 | T2S-250PL | T2S-250PM |
| 3" | 6.25 | T2S-300PL | T2S-300PM |
| 4" | 8.00 | T2S-400PL | T2S-400PM |
| 6" | 11.50 | T2S-600PL | T2S-600PM |




BPE Table DT-4.1.1-1
ASME BPE 2019

## 90° Clamp x Weld Elbows - T2CM

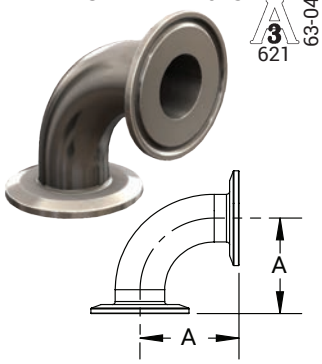
| Tube O.D. | A (in) | B (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|---|
| 1/2" | 3.00 | 1.63 | T2CM-050PL | T2CM-050PM |
| 3/4" | 3.00 | 1.63 | T2CM-075PL | T2CM-075PM |
| 1" | 3.00 | 2.00 | T2CM-100PL | T2CM-100PM |
| 1-1/2" | 3.75 | 2.75 | T2CM-150PL | T2CM-150PM |
| 2" | 4.75 | 3.50 | T2CM-200PL | T2CM-200PM |
| 2-1/2" | 5.50 | 4.25 | T2CM-250PL | T2CM-250PM |
| 3" | 6.25 | 5.00 | T2CM-300PL | T2CM-300PM |
| 4" | 8.00 | 6.63 | T2CM-400PL | T2CM-400PM |
| 6" | 11.50 | 10.50 | T2CM-600PL | T2CM-600PM |




BPE Table DT-4.1.1-2
ASME BPE 2019

## 90° Clamp x Clamp Elbows - T2CMP

| Tube O.D. | A (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|
| 1/2" | 1.63 | T2CMP-050PL | T2CMP-050PM |
| 3/4" | 1.63 | T2CMP-075PL | T2CMP-075PM |
| 1" | 2.00 | T2CMP-100PL | T2CMP-100PM |
| 1-1/2" | 2.75 | T2CMP-150PL | T2CMP-150PM |
| 2" | 3.50 | T2CMP-200PL | T2CMP-200PM |
| 2-1/2" | 4.25 | T2CMP-250PL | T2CMP-250PM |
| 3" | 5.00 | T2CMP-300PL | T2CMP-300PM |
| 4" | 6.63 | T2CMP-400PL | T2CMP-400PM |
| 6" | 10.50 | T2CMP-600PL | T2CMP-600PM |



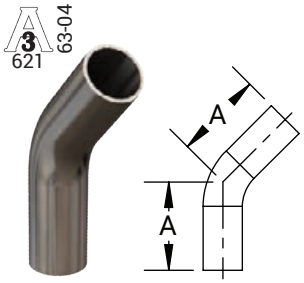

BPE Table DT-4.1.1-3
ASME BPE 2019

NOTE: BPE 2019 Specifications
PL Finish – SF1 PM Finish – SF4

M

## High Purity BioPharm Fittings

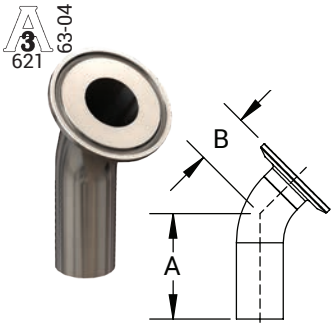
### 45° Weld Elbows - T2KS




BPE Table DT-4.1.1-4
ASME BPE 2019

| Tube O.D. | A (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|
| 1/2" | 2.25 | T2KS-050PL | T2KS-050PM |
| 3/4" | 2.25 | T2KS-075PL | T2KS-075PM |
| 1" | 2.25 | T2KS-100PL | T2KS-100PM |
| 1-1/2" | 2.50 | T2KS-150PL | T2KS-150PM |
| 2" | 3.00 | T2KS-200PL | T2KS-200PM |
| 2-1/2" | 3.38 | T2KS-250PL | T2KS-250PM |
| 3" | 3.63 | T2KS-300PL | T2KS-300PM |
| 4" | 4.50 | T2KS-400PL | T2KS-400PM |
| 6" | 6.25 | T2KS-600PL | T2KS-600PM |

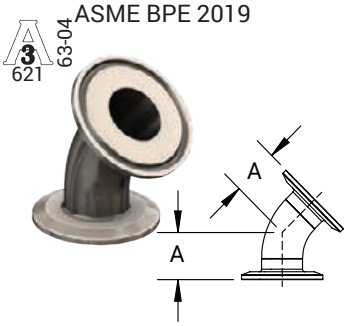
### 45° Clamp x Weld Elbows - T2KM




BPE Table DT-4.1.1-5
ASME BPE 2019

| Tube O.D. | A (in) | B (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|---|
| 1/2" | 2.25 | 1.00 | T2KM-050PL | T2KM-050PM |
| 3/4" | 2.25 | 1.00 | T2KM-075PL | T2KM-075PM |
| 1" | 2.25 | 1.13 | T2KM-100PL | T2KM-100PM |
| 1-1/2" | 2.50 | 1.44 | T2KM-150PL | T2KM-150PM |
| 2" | 3.00 | 1.75 | T2KM-200PL | T2KM-200PM |
| 2-1/2" | 3.38 | 2.06 | T2KM-250PL | T2KM-250PM |
| 3" | 3.63 | 2.38 | T2KM-300PL | T2KM-300PM |
| 4" | 4.50 | 3.13 | T2KM-400PL | T2KM-400PM |
| 6" | 6.25 | 5.25 | T2KM-600PL | T2KM-600PM |

### 45° Clamp x Clamp Elbows - T2KMP




BPE Table DT-4.1.1-6
ASME BPE 2019

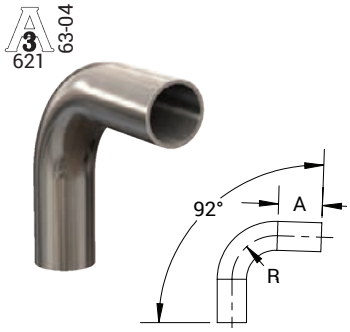
| Tube O.D. | A (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|
| 1/2" | 1.00 | T2KMP-050PL | T2KMP-050PM |
| 3/4" | 1.00 | T2KMP-075PL | T2KMP-075PM |
| 1" | 1.13 | T2KMP-100PL | T2KMP-100PM |
| 1-1/2" | 1.44 | T2KMP-150PL | T2KMP-150PM |
| 2" | 1.75 | T2KMP-200PL | T2KMP-200PM |
| 2-1/2" | 2.06 | T2KMP-250PL | T2KMP-250PM |
| 3" | 2.38 | T2KMP-300PL | T2KMP-300PM |
| 4" | 3.13 | T2KMP-400PL | T2KMP-400PM |
| 6" | 5.25 | T2KMP-600PL | T2KMP-600PM |

### 88° Weld Elbows - T2S88




| Tube O.D. | A (in) | R (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|---|
| 1/2" | 1.94 | 1.06 | T2S88-050PL | T2S88-050PM |
| 3/4" | 1.98 | 1.02 | T2S88-075PL | T2S88-075PM |
| 1" | 1.50 | 1.50 | T2S88-100PL | T2S88-100PM |
| 1-1/2" | 1.50 | 2.25 | T2S88-150PL | T2S88-150PM |
| 2" | 1.75 | 3.00 | T2S88-200PL | T2S88-200PM |
| 2-1/2" | 1.75 | 3.75 | T2S88-250PL | T2S88-250PM |
| 3" | 1.75 | 4.50 | T2S88-300PL | T2S88-300PM |
| 4" | 2.00 | 6.00 | T2S88-400PL | T2S88-400PM |
| 6" | 2.50 | 9.00 | T2S88-600PL | T2S88-600PM |

### 92° Weld Elbows - T2S92




| Tube O.D. | A (in) | R (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|---|
| 1/2" | 1.94 | 1.06 | T2S92-050PL | T2S92-050PM |
| 3/4" | 1.98 | 1.02 | T2S92-075PL | T2S92-075PM |
| 1" | 1.50 | 1.50 | T2S92-100PL | T2S92-100PM |
| 1-1/2" | 1.50 | 2.25 | T2S92-150PL | T2S92-150PM |
| 2" | 1.75 | 3.00 | T2S92-200PL | T2S92-200PM |
| 2-1/2" | 1.75 | 3.75 | T2S92-250PL | T2S92-250PM |
| 3" | 1.75 | 4.50 | T2S92-300PL | T2S92-300PM |
| 4" | 2.00 | 6.00 | T2S92-400PL | T2S92-400PM |
| 6" | 2.50 | 9.00 | T2S92-600PL | T2S92-600PM |

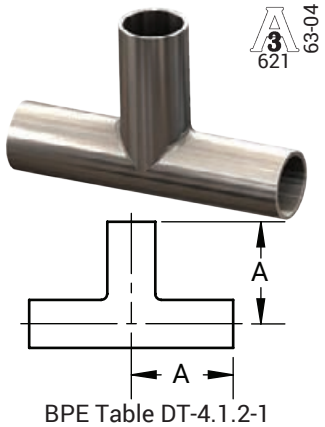
NOTE: BPE 2019 Specifications
PL Finish – SF1 PM Finish – SF4

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# High Purity BioPharm Fittings

## Weld x Weld x Weld Tees - T7WWW

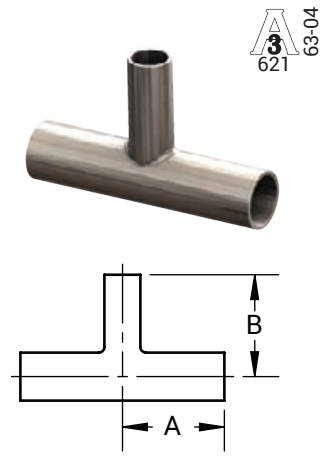
| Tube O.D. | A (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|
| 1/2" | 1.88 | T7WWW-050PL | T7WWW-050PM |
| 3/4" | 2.00 | T7WWW-075PL | T7WWW-075PM |
| 1" | 2.13 | T7WWW-100PL | T7WWW-100PM |
| 1-1/2" | 2.38 | T7WWW-150PL | T7WWW-150PM |
| 2" | 2.88 | T7WWW-200PL | T7WWW-200PM |
| 2-1/2" | 3.13 | T7WWW-250PL | T7WWW-250PM |
| 3" | 3.38 | T7WWW-300PL | T7WWW-300PM |
| 4" | 4.13 | T7WWW-400PL | T7WWW-400PM |
| 6" | 5.63 | T7WWW-600PL | T7WWW-600PM |




BPE Table DT-4.1.2-1
ASME BPE 2019

## Weld x Weld x Weld Reducing Tees - T7RWWW

| Tube O.D. | A (in) | B (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|---|
| 3/4" x 1/2" | 2.00 | 2.00 | T7RWWW-075050PL | T7RWWW-075050PM |
| 1" X 1/2" | 2.13 | 2.13 | T7RWWW-100050PL | T7RWWW-100050PM |
| 1" X 3/4" | 2.13 | 2.13 | T7RWWW-10075PL | T7RWWW-10075PM |
| 1-1/2" X 1/2" | 2.38 | 2.38 | T7RWWW-150050PL | T7RWWW-150050PM |
| 1-1/2" X 3/4" | 2.38 | 2.38 | T7RWWW-150075PL | T7RWWW-150075PM |
| 1-1/2" X 1" | 2.38 | 2.38 | T7RWWW-150100PL | T7RWWW-150100PM |
| 2 X 1/2" | 2.88 | 2.63 | T7RWWW-200050PL | T7RWWW-200050PM |
| 2" X 3/4" | 2.88 | 2.63 | T7RWWW-200075PL | T7RWWW-200075PM |
| 2" X 1" | 2.88 | 2.63 | T7RWWW-200100PL | T7RWWW-200100PM |
| 2" X 1-1/2" | 2.88 | 2.63 | T7RWWW-200150PL | T7RWWW-200150PM |
| 2-1/2" X 1/2" | 3.13 | 2.88 | T7RWWW-250050PL | T7RWWW-250050PM |
| 2-1/2" X 3/4" | 3.13 | 2.88 | T7RWWW-250075PL | T7RWWW-250075PM |
| 2-1/2" X 1" | 3.13 | 2.88 | T7RWWW-250100PL | T7RWWW-250100PM |
| 2-1/2" X 1-1/2" | 3.13 | 2.88 | T7RWWW-250150PL | T7RWWW-250150PM |
| 2-1/2" X 2" | 3.13 | 2.88 | T7RWWW-250200PL | T7RWWW-250200PM |
| 3" X 1/2" | 3.38 | 3.13 | T7RWWW-300050PL | T7RWWW-300050PM |
| 3" X 3/4" | 3.38 | 3.13 | T7RWWW-300075PL | T7RWWW-300075PM |
| 3" X 1" | 3.38 | 3.13 | T7RWWW-300100PL | T7RWWW-300100PM |
| 3" X 1-1/2" | 3.38 | 3.13 | T7RWWW-300150PL | T7RWWW-300150PM |
| 3" X 2" | 3.38 | 3.13 | T7RWWW-300200PL | T7RWWW-300200PM |
| 3" X 2-1/2" | 3.38 | 3.13 | T7RWWW-300250PL | T7RWWW-300250PM |
| 4" X 1/2" | 4.13 | 3.63 | T7RWWW-400050PL | T7RWWW-400050PM |
| 4" X 3/4" | 4.13 | 3.63 | T7RWWW-400075PL | T7RWWW-400075PM |
| 4" X 1" | 4.13 | 3.63 | T7RWWW-400100PL | T7RWWW-400100PM |
| 4" X 1-1/2" | 4.13 | 3.63 | T7RWWW-400150PL | T7RWWW-400150PM |
| 4" X 2" | 4.13 | 3.88 | T7RWWW-400200PL | T7RWWW-400200PM |
| 4" X 2-1/2" | 4.13 | 3.88 | T7RWWW-400250PL | T7RWWW-400250PM |
| 4" X 3" | 4.13 | 3.88 | T7RWWW-400300PL | T7RWWW-400300PM |
| 6" X 3" | 5.63 | 4.88 | T7RWWW-600300PL | T7RWWW-600300PM |
| 6" X 4" | 5.63 | 5.13 | T7RWWW-600400PL | T7RWWW-600400PM |

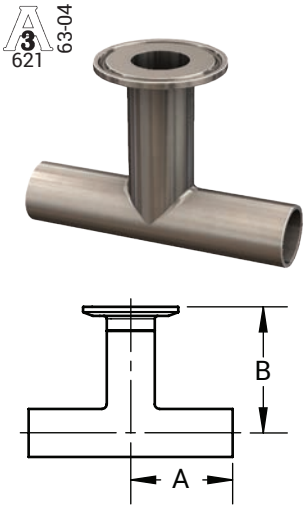



BPE Table DT-4.1.2-6
ASME BPE 2019

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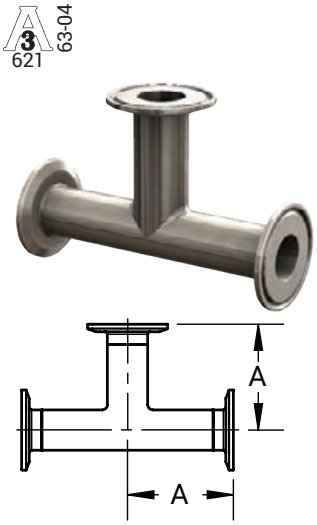
NOTE: BPE 2019 Specifications
PL Finish – SF1
PM Finish – SF4

## High Purity BioPharm Fittings




### Weld x Weld x Clamp Tees - T7WWM

| Tube O.D. | A (in) | B (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|---|
| 1/2" | 1.88 | 2.25 | T7WWM-050PL | T7WWM-050PM |
| 3/4" | 2.00 | 2.38 | T7WWM-075PL | T7WWM-075PM |
| 1" | 2.13 | 2.63 | T7WWM-100PL | T7WWM-100PM |
| 1-1/2" | 2.38 | 2.88 | T7WWM-150PL | T7WWM-150PM |
| 2" | 2.88 | 3.38 | T7WWM-200PL | T7WWM-200PM |
| 2-1/2" | 3.13 | 3.63 | T7WWM-250PL | T7WWM-250PM |
| 3" | 3.38 | 3.88 | T7WWM-300PL | T7WWM-300PM |
| 4" | 4.13 | 4.75 | T7WWM-400PL | T7WWM-400PM |
| 6" | 5.63 | 7.13 | T7WWM-600PL | T7WWM-600PM |




### Clamp x Clamp x Clamp Tees - T7MP

| Tube O.D. | A (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|
| 1/2" | 2.38 | T7MP-050PL | T7MP-050PM |
| 3/4" | 2.50 | T7MP-075PL | T7MP-075PM |
| 1" | 2.63 | T7MP-100PL | T7MP-100PM |
| 1-1/2" | 2.88 | T7MP-150PL | T7MP-150PM |
| 2" | 3.38 | T7MP-200PL | T7MP-200PM |
| 2-1/2" | 3.63 | T7MP-250PL | T7MP-250PM |
| 3" | 3.88 | T7MP-300PL | T7MP-300PM |
| 4" | 4.75 | T7MP-400PL | T7MP-400PM |
| 6" | 7.13 | T7MP-600PL | T7MP-600PM |

BPE Table DT-4.1.2-4
ASME BPE 2019

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NOTE: BPE 2019 Specifications
PL Finish – SF1
O.D. = 32Ra Mechanically Polished

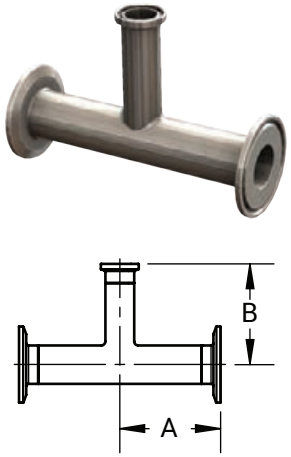
PM Finish – SF4
O.D. = 32Ra Mechanically Polished

# High Purity BioPharm Fittings

3-A 621 63-04

## Clamp x Clamp x Clamp Reducing Tees - T7RMP

| Tube O.D. | A (in) | B (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|---|
| 3/4" x 1/2" | 2.50 | 2.50 | T7RMP-075050PL | T7RMP-075050PM |
| 1" x 1/2" | 2.63 | 2.63 | T7RMP-100050PL | T7RMP-100050PM |
| 1" x 3/4" | 2.63 | 2.63 | T7RMP-100075PL | T7RMP-100075PM |
| 1-1/2" x 1/2" | 2.88 | 2.88 | T7RMP-150050PL | T7RMP-150050PM |
| 1-1/2" x 3/4" | 2.88 | 2.88 | T7RMP-150075PL | T7RMP-150075PM |
| 1-1/2" x 1" | 2.88 | 2.88 | T7RMP-150100PL | T7RMP-150100PM |
| 2" x 1/2" | 3.38 | 3.13 | T7RMP-200050PL | T7RMP-200050PM |
| 2" x 3/4" | 3.38 | 3.13 | T7RMP-200075PL | T7RMP-200075PM |
| 2" x 1" | 3.38 | 3.13 | T7RMP-200100PL | T7RMP-200100PM |
| 2" x 1-1/2" | 3.38 | 3.13 | T7RMP-200150PL | T7RMP-200150PM |
| 2-1/2" x 1/2" | 3.63 | 3.38 | T7RMP-250050PL | T7RMP-250050PM |
| 2-1/2" x 3/4" | 3.63 | 3.38 | T7RMP-250075PL | T7RMP-250075PM |
| 2-1/2" x 1" | 3.63 | 3.38 | T7RMP-250100PL | T7RMP-250100PM |
| 2-1/2" x 1-1/2" | 3.63 | 3.38 | T7RMP-250150PL | T7RMP-250150PM |
| 2-1/2" x 2" | 3.63 | 3.38 | T7RMP-250200PL | T7RMP-250200PM |
| 3" x 1/2" | 3.88 | 3.63 | T7RMP-300050PL | T7RMP-300050PM |
| 3" x 3/4" | 3.88 | 3.63 | T7RMP-300075PL | T7RMP-300075PM |
| 3" x 1" | 3.88 | 3.63 | T7RMP-300100PL | T7RMP-300100PM |
| 3" x 1-1/2" | 3.88 | 3.63 | T7RMP-300150PL | T7RMP-300150PM |
| 3" x 2" | 3.88 | 3.63 | T7RMP-300200PL | T7RMP-300200PM |
| 3" x 2-1/2" | 3.88 | 3.63 | T7RMP-300250PL | T7RMP-300250PM |
| 4" x 1/2" | 4.75 | 4.13 | T7RMP-400050PL | T7RMP-400050PM |
| 4" x 3/4" | 4.75 | 4.13 | T7RMP-400075PL | T7RMP-400075PM |
| 4" x 1" | 4.75 | 4.13 | T7RMP-400100PL | T7RMP-400100PM |
| 4" x 1-1/2" | 4.75 | 4.13 | T7RMP-400150PL | T7RMP-400150PM |
| 4" x 2" | 4.75 | 4.38 | T7RMP-400200PL | T7RMP-400200PM |
| 4" x 2-1/2" | 4.75 | 4.38 | T7RMP-400250PL | T7RMP-400250PM |
| 4" x 3" | 4.75 | 4.38 | T7RMP-400300PL | T7RMP-400300PM |
| 6" x 3" | 7.13 | 5.38 | T7RMP-600300PL | T7RMP-600300PM |
| 6" x 4" | 7.13 | 5.75 | T7RMP-600400PL | T7RMP-600400PM |



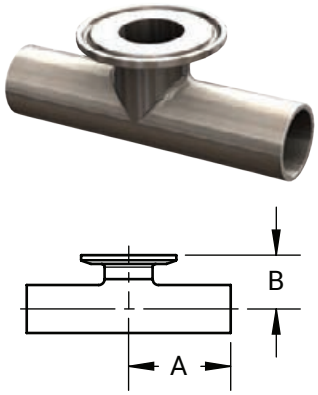

BPE Table DT-4.1.2-8
ASME BPE 2019

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3-A 621 63-04

## Weld x Weld x Clamp Short Outlet Tees - T7WWMS

| Tube O.D. | A (in) | B (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|---|
| 1/2" | 1.88 | 1.00 | T7WWMS-050PL | T7WWMS-050PM |
| 3/4" | 2.00 | 1.13 | T7WWMS-075PL | T7WWMS-075PM |
| 1" | 2.13 | 1.13 | T7WWMS-100PL | T7WWMS-100PM |
| 1-1/2" | 2.38 | 1.38 | T7WWMS-150PL | T7WWMS-150PM |
| 2" | 2.88 | 1.63 | T7WWMS-200PL | T7WWMS-200PM |
| 2-1/2" | 3.13 | 1.88 | T7WWMS-250PL | T7WWMS-250PM |
| 3" | 3.38 | 2.13 | T7WWMS-300PL | T7WWMS-300PM |
| 4" | 4.13 | 2.75 | T7WWMS-400PL | T7WWMS-400PM |
| 6" | 5.63 | 4.63 | T7WWMS-600PL | T7WWMS-600PM |




BPE Table DT-4.1.2-2
ASME BPE 2019

NOTE: BPE 2019 Specifications

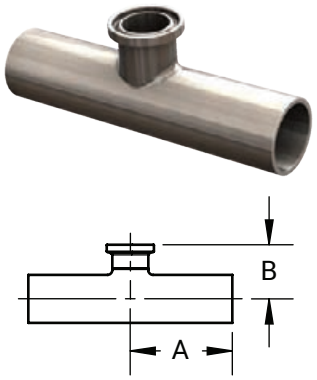
PL Finish – SF1
O.D. = 32Ra Mechanically Polished

PM Finish – SF4
O.D. = 32Ra Mechanically Polished

## High Purity BioPharm Line

### Weld x Weld x Clamp Short Outlet Reducing Tees - T7RWWMS

A 3 621 63-04



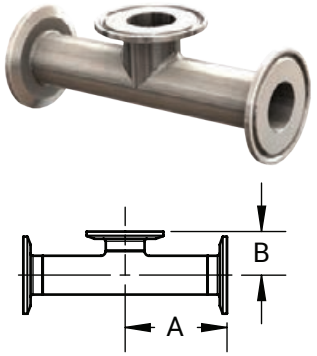

BPE Table DT-4.1.2-7
ASME BPE 2019

| Tube O.D. | A (in) | B (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|---|
| 3/4" x 1/2" | 2.00 | 1.00 | T7RWWMS075050PL | T7RWWMS075050PM |
| 1" x 1/2" | 2.13 | 1.13 | T7RWWMS100050PL | T7RWWMS100050PM |
| 1" x 3/4" | 2.13 | 1.13 | T7RWWMS100075PL | T7RWWMS100075PM |
| 1-1/2" x 1/2" | 2.38 | 1.38 | T7RWWMS150050PL | T7RWWMS150050PM |
| 1-1/2" x 3/4" | 2.38 | 1.38 | T7RWWMS150075PL | T7RWWMS150075PM |
| 1-1/2" x 1" | 2.38 | 1.38 | T7RWWMS150100PL | T7RWWMS150100PM |
| 2" x 1/2" | 2.88 | 1.63 | T7RWWMS200050PL | T7RWWMS200050PM |
| 2" x 3/4" | 2.88 | 1.63 | T7RWWMS200075PL | T7RWWMS200075PM |
| 2" x 1" | 2.88 | 1.63 | T7RWWMS200100PL | T7RWWMS200100PM |
| 2" x 1-1/2" | 2.88 | 1.63 | T7RWWMS200150PL | T7RWWMS200150PM |
| 2-1/2" x 1/2" | 3.13 | 1.88 | T7RWWMS250050PL | T7RWWMS250050PM |
| 2-1/2" x 3/4" | 3.13 | 1.88 | T7RWWMS250075PL | T7RWWMS250075PM |
| 2-1/2" x 1" | 3.13 | 1.88 | T7RWWMS250100PL | T7RWWMS250100PM |
| 2-1/2" x 1-1/2" | 3.13 | 1.88 | T7RWWMS250150PL | T7RWWMS250150PM |
| 2-1/2" x 2" | 3.13 | 1.88 | T7RWWMS250200PL | T7RWWMS250200PM |
| 3" x 1/2" | 3.38 | 2.13 | T7RWWMS300050PL | T7RWWMS300050PM |
| 3" x 3/4" | 3.38 | 2.13 | T7RWWMS300075PL | T7RWWMS300075PM |
| 3" x 1" | 3.38 | 2.13 | T7RWWMS300100PL | T7RWWMS300100PM |
| 3" x 1-1/2" | 3.38 | 2.13 | T7RWWMS300150PL | T7RWWMS300150PM |
| 3" x 2" | 3.38 | 2.13 | T7RWWMS300200PL | T7RWWMS300200PM |
| 3" x 2-1/2" | 3.38 | 2.13 | T7RWWMS300250PL | T7RWWMS300250PM |
| 4" x 1/2" | 4.13 | 2.63 | T7RWWMS400050PL | T7RWWMS400050PM |
| 4" x 3/4" | 4.13 | 2.63 | T7RWWMS400075PL | T7RWWMS400075PM |
| 4" x 1" | 4.13 | 2.63 | T7RWWMS400100PL | T7RWWMS400100PM |
| 4" x 1-1/2" | 4.13 | 2.63 | T7RWWMS400150PL | T7RWWMS400150PM |
| 4" x 2" | 4.13 | 2.63 | T7RWWMS400200PL | T7RWWMS400200PM |
| 4" x 2-1/2" | 4.13 | 2.63 | T7RWWMS400250PL | T7RWWMS400250PM |
| 4" x 3" | 4.13 | 2.63 | T7RWWMS400300PL | T7RWWMS400300PM |
| 6" x 3" | 5.63 | 3.63 | T7RWWMS600300PL | T7RWWMS600300PM |
| 6" x 4" | 5.63 | 3.75 | T7RWWMS600400PL | T7RWWMS600400PM |

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### Clamp x Clamp x Clamp Short Outlet Tees - T7MPS

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BPE Table DT-4.1.2-5
ASME BPE 2019

| Tube O.D. | A (in) | B (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|---|
| 1/2" | 2.38 | 1.00 | T7MPS-050PL | T7MPS-050PM |
| 3/4" | 2.50 | 1.13 | T7MPS-075PL | T7MPS-075PM |
| 1" | 2.63 | 1.13 | T7MPS-100PL | T7MPS-100PM |
| 1-1/2" | 2.88 | 1.38 | T7MPS-150PL | T7MPS-150PM |
| 2" | 3.38 | 1.63 | T7MPS-200PL | T7MPS-200PM |
| 2-1/2" | 3.63 | 1.88 | T7MPS-250PL | T7MPS-250PM |
| 3" | 3.88 | 2.13 | T7MPS-300PL | T7MPS-300PM |
| 4" | 4.75 | 2.75 | T7MPS-400PL | T7MPS-400PM |
| 6" | 7.13 | 4.63 | T7MPS-600PL | T7MPS-600PM |

NOTE: BPE 2019 Specifications

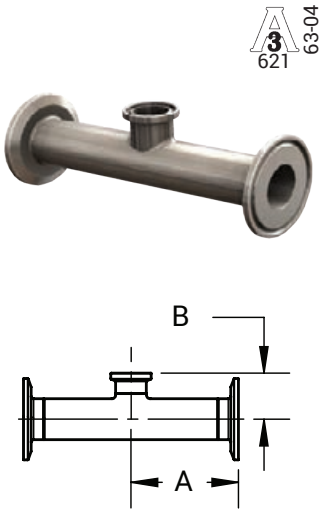
PL Finish – SF1
O.D. = 32Ra Mechanically Polished
I.D. = 20Ra Mechanically Polished

PM Finish – SF4
O.D. = 32Ra Mechanically Polished
I.D. = 15Ra Mechanically Polished and Electropolished

# High Purity BioPharm Line

## Clamp x Clamp x Clamp Short Outlet Reducing Tees - T7RMPS

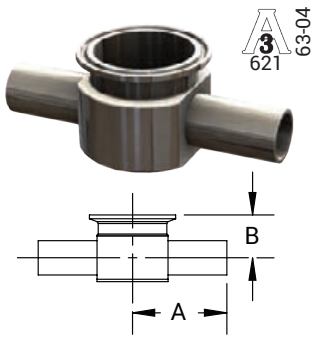
| Tube O.D. | A (in) | B (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|---|
| 3/4" x 1/2" | 2.50 | 1.00 | T7RMPS-075050PL | T7RMPS-075050PM |
| 1" x 1/2" | 2.63 | 1.13 | T7RMPS-100050PL | T7RMPS-100050PM |
| 1" x 3/4" | 2.63 | 1.13 | T7RMPS-100075PL | T7RMPS-100075PM |
| 1-1/2" x 1/2" | 2.88 | 1.38 | T7RMPS-150050PL | T7RMPS-150050PM |
| 1-1/2" x 3/4" | 2.88 | 1.38 | T7RMPS-150075PL | T7RMPS-150075PM |
| 1-1/2" x 1" | 2.88 | 1.38 | T7RMPS-150100PL | T7RMPS-150100PM |
| 2" x 1/2" | 3.38 | 1.63 | T7RMPS-200050PL | T7RMPS-200050PM |
| 2" x 3/4" | 3.38 | 1.63 | T7RMPS-200075PL | T7RMPS-200075PM |
| 2" x 1" | 3.38 | 1.63 | T7RMPS-200100PL | T7RMPS-200100PM |
| 2" x 1-1/2" | 3.38 | 1.63 | T7RMPS-200150PL | T7RMPS-200150PM |
| 2-1/2" x 1/2" | 3.63 | 1.88 | T7RMPS-250050PL | T7RMPS-250050PM |
| 2-1/2" x 3/4" | 3.63 | 1.88 | T7RMPS-250075PL | T7RMPS-250075PM |
| 2-1/2" x 1" | 3.63 | 1.88 | T7RMPS-250100PL | T7RMPS-250100PM |
| 2-1/2" x 1-1/2" | 3.63 | 1.88 | T7RMPS-250150PL | T7RMPS-250150PM |
| 2-1/2" x 2" | 3.63 | 1.88 | T7RMPS-250200PL | T7RMPS-250200PM |
| 3" x 1/2" | 3.88 | 2.13 | T7RMPS-300050PL | T7RMPS-300050PM |
| 3" x 3/4" | 3.88 | 2.13 | T7RMPS-300075PL | T7RMPS-300075PM |
| 3" x 1" | 3.88 | 2.13 | T7RMPS-300100PL | T7RMPS-300100PM |
| 3" x 1-1/2" | 3.88 | 2.13 | T7RMPS-300150PL | T7RMPS-300150PM |
| 3" x 2" | 3.88 | 2.13 | T7RMPS-300200PL | T7RMPS-300200PM |
| 3" x 2-1/2" | 3.88 | 2.13 | T7RMPS-300250PL | T7RMPS-300250PM |
| 4" x 1/2" | 4.75 | 2.63 | T7RMPS-400050PL | T7RMPS-400050PM |
| 4" x 3/4" | 4.75 | 2.63 | T7RMPS-400075PL | T7RMPS-400075PM |
| 4" x 1" | 4.75 | 2.63 | T7RMPS-400100PL | T7RMPS-400100PM |
| 4" x 1-1/2" | 4.75 | 2.63 | T7RMPS-400150PL | T7RMPS-400150PM |
| 4" x 2" | 4.75 | 2.63 | T7RMPS-400200PL | T7RMPS-400200PM |
| 4" x 2-1/2" | 4.75 | 2.63 | T7RMPS-400250PL | T7RMPS-400250PM |
| 4" x 3" | 4.75 | 2.63 | T7RMPS-400300PL | T7RMPS-400300PM |
| 6" x 3" | 7.13 | 3.63 | T7RMPS-600300PL | T7RMPS-600300PM |
| 6" x 4" | 7.13 | 3.75 | T7RMPS-600400PL | T7RMPS-600400PM |




BPE Table DT-4.1.2-9
ASME BPE 2019

## Weld x Weld x Clamp Instrument Tees - T7IWWMS

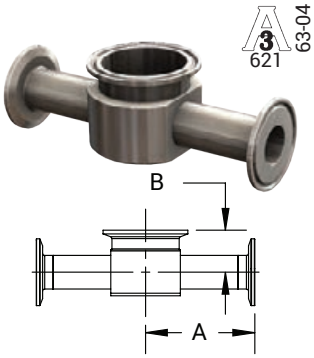
| Tube O.D. | A (in) | B (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|---|
| 1/2" x 1-1/2" | 2.50 | .88 | T7IWWMS050150PL | T7IWWMS050150PM |
| 3/4" x 1-1/2" | 2.50 | 1.00 | T7IWWMS075150PL | T7IWWMS075150PM |
| 1" x 1-1/2" | 2.50 | 1.13 | T7IWWMS100150PL | T7IWWMS100150PM |
| 1/2" x 2" | 2.75 | 1.00 | T7IWWMS050200PL | T7IWWMS050200PM |
| 3/4" x 2" | 2.75 | 1.13 | T7IWWMS075200PL | T7IWWMS075200PM |
| 1" X 2" | 2.75 | 1.25 | T7IWWMS100200PL | T7IWWMS100200PM |
| 1-1/2" X 2" | 2.75 | 1.50 | T7IWWMS150200PL | T7IWWMS150200PM |




BPE Table DT-4.1.2-10
ASME BPE 2019

## Clamp x Clamp x Clamp Instrument Tees - T7IMPS

| Tube O.D. | A (in) | B (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|---|
| 1/2" x 1-1/2" | 3.00 | .88 | T7IMPS-050150PL | T7IMPS-050150PM |
| 3/4" x 1-1/2" | 3.00 | 1.00 | T7IMPS-075150PL | T7IMPS-075150PM |
| 1" x 1-1/2" | 3.00 | 1.13 | T7IMPS-100150PL | T7IMPS-100150PM |
| 1/2" x 2" | 3.25 | 1.00 | T7IMPS-050200PL | T7IMPS-050200PM |
| 3/4" x 2" | 3.25 | 1.13 | T7IMPS-075200PL | T7IMPS-075200PM |
| 1" X 2" | 3.25 | 1.25 | T7IMPS-100200PL | T7IMPS-100200PM |
| 1-1/2" X 2" | 3.25 | 1.50 | T7IMPS150200PL | T7IMPS150200PM |




NOTE: BPE 2019 Specifications

PL Finish – SF1
O.D. = 32Ra Mechanically Polished

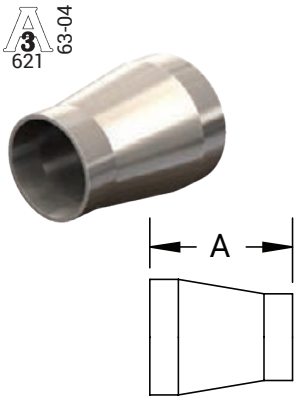
PM Finish – SF4
O.D. = 32Ra Mechanically Polished



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## High Purity BioPharm Fittings

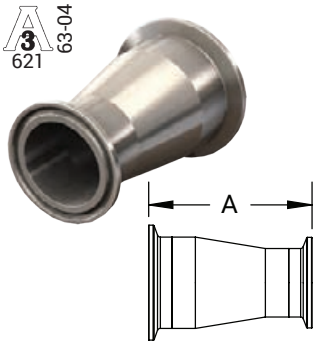
### Weld x Weld Concentric Reducers – 2211C




BPE Table DT-4.1.3-1
ASME BPE 2019

| Size | A (in) | PL finish - SF1 | PM finish - SF4 |
|---|---|---|---|
| 3/4" x 1/2" | 2.13 | 2211CBB075050F1 | 2211CBB075050F4 |
| 1" x 1/2" | 2.50 | 2211CBB100050F1 | 2211CBB100050F4 |
| 1" x 3/4" | 2.13 | 2211CBB100075F1 | 2211CBB100075F4 |
| 1-1/2" x 3/4" | 3.00 | 2211CBB150075F1 | 2211CBB150075F4 |
| 1-1/2" x 1" | 2.50 | 2211CBB150100F1 | 2211CBB150100F4 |
| 2" x 1" | 3.38 | 2211CBB200100F1 | 2211CBB200100F4 |
| 2" x 1-1/2" | 2.50 | 2211CBB200150F1 | 2211CBB200150F4 |
| 2-1/2" x 1-1/2" | 3.38 | 2211CBB250150F1 | 2211CBB250150F4 |
| 2-1/2" x 2" | 2.50 | 2211CBB250200F1 | 2211CBB250200F4 |
| 3" x 1-1/2" | 4.25 | 2211CBB300150F1 | 2211CBB300150F4 |
| 3" x 2" | 3.38 | 2211CBB300200F1 | 2211CBB300200F4 |
| 3" x 2-1/2" | 2.63 | 2211CBB300250F1 | 2211CBB300250F4 |
| 4" x 2" | 5.13 | 2211CBB400200F1 | 2211CBB400200F4 |
| 4" x 2-1/2" | 4.25 | 2211CBB400250F1 | 2211CBB400250F4 |
| 4" x 3" | 3.88 | 2211CBB400300F1 | 2211CBB400300F4 |
| 6" x 3" | 7.25 | 2211CBB600300F1 | 2211CBB600300F4 |
| 6" x 4" | 5.63 | 2211CBB600400F1 | 2211CBB600400F4 |

### Clamp x Clamp Concentric Reducers – 2221C




BPE Table DT-4.1.3-3
ASME BPE 2019

| Size | A (in) | PL finish - SF1 | PM finish - SF4 |
|---|---|---|---|
| 3/4" x 1/2" | 3.13 | 2221CBB075050F1 | 2221CBB075050F4 |
| 1" x 1/2" | 3.50 | 2221CBB100050F1 | 2221CBB100050F4 |
| 1" x 3/4" | 3.13 | 2221CBB100075F1 | 2221CBB100075F4 |
| 1-1/2" x 3/4" | 4.00 | 2221CBB150075F1 | 2221CBB150075F4 |
| 1-1/2" x 1" | 3.50 | 2221CBB150100F1 | 2221CBB150100F4 |
| 2" x 1" | 4.38 | 2221CBB200100F1 | 2221CBB200100F4 |
| 2" x 1-1/2" | 3.50 | 2221CBB200150F1 | 2221CBB200150F4 |
| 2-1/2" x 1-1/2" | 4.38 | 2221CBB250150F1 | 2221CBB250150F4 |
| 2-1/2" x 2" | 3.50 | 2221CBB250200F1 | 2221CBB250200F4 |
| 3" x 1-1/2" | 5.25 | 2221CBB300150F1 | 2221CBB300150F4 |
| 3" x 2" | 4.38 | 2221CBB300200F1 | 2221CBB300200F4 |
| 3" x 2-1/2" | 3.63 | 2221CBB300250F1 | 2221CBB300250F4 |
| 4" x 2" | 6.25 | 2221CBB400200F1 | 2221CBB400200F4 |
| 4" x 2-1/2" | 5.38 | 2221CBB400250F1 | 2221CBB400250F4 |
| 4" x 3" | 5.00 | 2221CBB400300F1 | 2221CBB400300F4 |
| 6" x 3" | 8.50 | 2221CBB600300F1 | 2221CBB600300F4 |
| 6" x 4" | 7.00 | 2221CBB600400F1 | 2221CBB600400F4 |

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NOTE: BPE 2019 Specifications

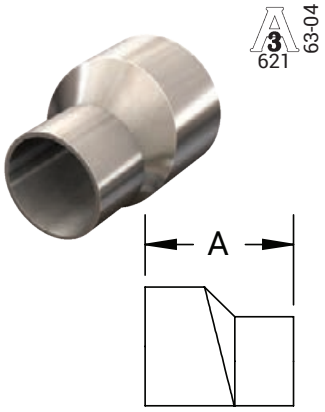
PL Finish – SF1
O.D. = 32Ra Mechanically Polished

PM Finish – SF4
O.D. = 32Ra Mechanically Polished

# High Purity BioPharm Fittings

## Weld x Weld Eccentric Reducers – 2211E

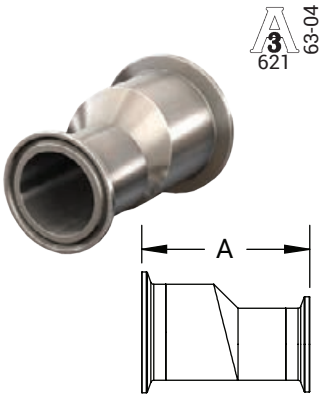
| Size | A (in) | PL finish - SF1 | PM finish - SF4 |
|---|---|---|---|
| 3/4" x 1/2" | 2.13 | 2211EBB075050F1 | 2211EBB075050F4 |
| 1" x 1/2" | 2.50 | 2211EBB100050F1 | 2211EBB100050F4 |
| 1" x 3/4" | 2.13 | 2211EBB100075F1 | 2211EBB100075F4 |
| 1-1/2" x 3/4" | 3.00 | 2211EBB150075F1 | 2211EBB150075F4 |
| 1-1/2" x 1" | 2.50 | 2211EBB150100F1 | 2211EBB150100F4 |
| 2" x 1" | 3.38 | 2211EBB200100F1 | 2211EBB200100F4 |
| 2" x 1-1/2" | 2.50 | 2211EBB200150F1 | 2211EBB200150F4 |
| 2-1/2" x 1-1/2" | 3.38 | 2211EBB250150F1 | 2211EBB250150F4 |
| 2-1/2" x 2" | 2.50 | 2211EBB250200F1 | 2211EBB250200F4 |
| 3" x 1-1/2" | 4.25 | 2211EBB300150F1 | 2211EBB300150F4 |
| 3" x 2" | 3.38 | 2211EBB300200F1 | 2211EBB300200F4 |
| 3" x 2-1/2" | 2.63 | 2211EBB300250F1 | 2211EBB300250F4 |
| 4" x 2" | 5.13 | 2211EBB400200F1 | 2211EBB400200F4 |
| 4" x 2-1/2" | 4.25 | 2211EBB400250F1 | 2211EBB400250F4 |
| 4" x 3" | 3.88 | 2211EBB400300F1 | 2211EBB400300F4 |
| 6" x 3" | 7.25 | 2211EBB600300F1 | 2211EBB600300F4 |
| 6" x 4" | 5.63 | 2211EBB600400F1 | 2211EBB600400F4 |




BPE Table DT-4.1.3-1
ASME BPE 2019

## Clamp x Clamp Eccentric Reducers – 2221E

| Size | A (in) | PL finish - SF1 | PM finish - SF4 |
|---|---|---|---|
| 3/4" x 1/2" | 3.13 | 2221EBB075050F1 | 2221EBB075050F4 |
| 1" x 1/2" | 3.50 | 2221EBB100050F1 | 2221EBB100050F4 |
| 1" x 3/4" | 3.13 | 2221EBB100075F1 | 2221EBB100075F4 |
| 1-1/2" x 3/4" | 4.00 | 2221EBB150075F1 | 2221EBB150075F4 |
| 1-1/2" x 1" | 3.50 | 2221EBB150100F1 | 2221EBB150100F4 |
| 2" x 1" | 4.38 | 2221EBB200100F1 | 2221EBB200100F4 |
| 2" x 1-1/2" | 3.50 | 2221EBB200150F1 | 2221EBB200150F4 |
| 2-1/2" x 1-1/2" | 4.38 | 2221EBB250150F1 | 2221EBB250150F4 |
| 2-1/2" x 2" | 3.50 | 2221EBB250200F1 | 2221EBB250200F4 |
| 3" x 1-1/2" | 5.25 | 2221EBB300150F1 | 2221EBB300150F4 |
| 3" x 2" | 4.38 | 2221EBB300200F1 | 2221EBB300200F4 |
| 3" x 2-1/2" | 3.63 | 2221EBB300250F1 | 2221EBB300250F4 |
| 4" x 2" | 6.25 | 2221EBB400200F1 | 2221EBB400200F4 |
| 4" x 2-1/2" | 5.38 | 2221EBB400250F1 | 2221EBB400250F4 |
| 4" x 3" | 5.00 | 2221EBB400300F1 | 2221EBB400300F4 |
| 6" x 3" | 8.50 | 2221EBB600300F1 | 2221EBB600300F4 |
| 6" x 4" | 7.00 | 2221EBB600400F1 | 2221EBB600400F4 |




BPE Table DT-4.1.3-3
ASME BPE 2019

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NOTE: BPE 2019 Specifications

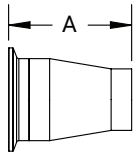
PL Finish – SF1
O.D. = 32Ra Mechanically Polished

PM Finish – SF4
O.D. = 32Ra Mechanically Polished

## High Purity BioPharm Fittings

3-A 621 63-04





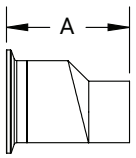

ASME BPE 2019

### Clamp X Weld Concentric Reducers - 2226C

| Tube O.D. | A (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|
| 3/4" x 1/2" | 2.63 | 2226CBB075050F1 | 2226CBB075050F4 |
| 1" x 1/2" | 3.00 | 2226CBB100050F1 | 2226CBB100050F4 |
| 1" x 3/4" | 2.63 | 2226CBB100075F1 | 2226CBB100075F4 |
| 1-1/2" x 3/4" | 3.50 | 2226CBB150075F1 | 2226CBB150075F4 |
| 1-1/2" x 1" | 3.00 | 2226CBB150100F1 | 2226CBB150100F4 |
| 2" x 1" | 3.88 | 2226CBB200100F1 | 2226CBB200100F4 |
| 2" x 1-1/2" | 3.00 | 2226CBB200150F1 | 2226CBB200150F4 |
| 2-1/2" x 1-1/2" | 3.88 | 2226CBB250150F1 | 2226CBB250150F4 |
| 2-1/2" x 2" | 3.00 | 2226CBB250200F1 | 2226CBB250200F4 |
| 3" x 1-1/2" | 4.75 | 2226CBB300150F1 | 2226CBB300150F4 |
| 3" x 2" | 3.88 | 2226CBB300200F1 | 2226CBB300200F4 |
| 3" x 2-1/2" | 3.13 | 2226CBB300250F1 | 2226CBB300250F4 |
| 4" x 2" | 5.75 | 2226CBB400200F1 | 2226CBB400200F4 |
| 4" x 2-1/2" | 4.88 | 2226CBB400250F1 | 2226CBB400250F4 |
| 4" x 3" | 4.50 | 2226CBB400300F1 | 2226CBB400300F4 |

3-A 621 63-04






ASME BPE 2019

### Clamp X Weld Eccentric Reducers - 2226E

| Tube O.D. | A (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|
| 3/4" x 1/2" | 2.63 | 2226EBB075050F1 | 2226EBB075050F4 |
| 1" x 1/2" | 3.00 | 2226EBB100050F1 | 2226EBB100050F4 |
| 1" x 3/4" | 2.63 | 2226EBB100075F1 | 2226EBB100075F4 |
| 1-1/2" x 3/4" | 3.50 | 2226EBB150075F1 | 2226EBB150075F4 |
| 1-1/2" x 1" | 3.00 | 2226EBB150100F1 | 2226EBB150100F4 |
| 2" x 1" | 3.88 | 2226EBB200100F1 | 2226EBB200100F4 |
| 2" x 1-1/2" | 3.00 | 2226EBB200150F1 | 2226EBB200150F4 |
| 2-1/2" x 1-1/2" | 3.88 | 2226EBB250150F1 | 2226EBB250150F4 |
| 2-1/2" x 2" | 3.00 | 2226EBB250200F1 | 2226EBB250200F4 |
| 3" x 1-1/2" | 4.75 | 2226EBB300150F1 | 2226EBB300150F4 |
| 3" x 2" | 3.88 | 2226EBB300200F1 | 2226EBB300200F4 |
| 3" x 2-1/2" | 3.13 | 2226EBB300250F1 | 2226EBB300250F4 |
| 4" x 2" | 5.75 | 2226EBB400200F1 | 2226EBB400200F4 |
| 4" x 2-1/2" | 4.88 | 2226EBB400250F1 | 2226EBB400250F4 |
| 4" x 3" | 4.50 | 2226EBB400300F1 | 2226EBB400300F4 |

NOTE: BPE 2019 Specifications

PL Finish – SF1
O.D. = 32Ra Mechanically Polished
I.D. = 20Ra Mechanically Polished

PM Finish – SF4
O.D. = 32Ra Mechanically Polished
I.D. = 15Ra Mechanically Polished and Electropolished

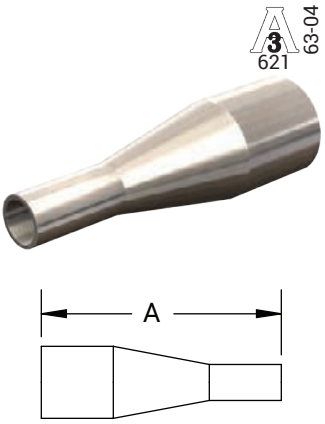


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## High Purity BioPharm Fittings

### Weld x Weld Concentric Reducers - T31W

| Tube O.D. | A (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|
| 3/4" x 1/2" | 4.00 | T31W-075050PL | T31W-075050PM |
| 1" x 1/2" | 4.50 | T31W-100050PL | T31W-100050PM |
| 1" x 3/4" | 4.00 | T31W-100075PL | T31W-100075PM |
| 1-1/2" x 1/2" | 5.50 | T31W-150050PL | T31W-150050PM |
| 1-1/2" x 3/4" | 5.00 | T31W-150075PL | T31W-150075PM |
| 1-1/2" x 1" | 5.00 | T31W-150100PL | T31W-150100PM |
| 2" x 1/2" | 7.75 | T31W-200050PL | T31W-200050PM |
| 2" x 3/4" | 7.25 | T31W-200075PL | T31W-200075PM |
| 2" x 1" | 7.25 | T31W-200100PL | T31W-200100PM |
| 2" x 1-1/2" | 5.25 | T31W-200150PL | T31W-200150PM |
| 2-1/2" x 1/2" | 9.75 | T31W-250050PL | T31W-250050PM |
| 2-1/2" x 3/4" | 9.25 | T31W-250075PL | T31W-250075PM |
| 2-1/2" x 1" | 9.25 | T31W-250100PL | T31W-250100PM |
| 2-1/2" x 1-1/2" | 7.25 | T31W-250150PL | T31W-250150PM |
| 2-1/2" x 2" | 5.50 | T31W-250200PL | T31W-250200PM |
| 3" x 1" | 11.25 | T31W-300100PL | T31W-300100PM |
| 3" x 1-1/2" | 9.25 | T31W-300150PL | T31W-300150PM |
| 3" x 2" | 7.50 | T31W-300200PL | T31W-300200PM |
| 3" x 2-1/2" | 5.50 | T31W-300250PL | T31W-300250PM |
| 4" x 1" | 15.50 | T31W-400100PL | T31W-400100PM |
| 4" x 1-1/2" | 13.50 | T31W-400150PL | T31W-400150PM |
| 4" x 2" | 11.75 | T31W-400200PL | T31W-400200PM |
| 4" x 2-1/2" | 9.75 | T31W-400250PL | T31W-400250PM |
| 4" x 3" | 7.75 | T31W-400300PL | T31W-400300PM |
| 6" x 3" | 10.00 | T31W-600300PL | T31W-600300PM |
| 6" x 4" | 10.00 | T31W-600400PL | T31W-600400PM |




BPE Table DT-4.1.3-1(a)

### Clamp x Weld Concentric Reducers - T31M

| Tube O.D. | A (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|
| 3/4" x 1/2" | 3.00 | T31M-075050PL | T31M-075050PM |
| 1" x 1/2" | 3.50 | T31M-100050PL | T31M-100050PM |
| 1" x 3/4" | 3.00 | T31M-100075PL | T31M-100075PM |
| 1-1/2" x 1/2" | 4.50 | T31M-150050PL | T31M-150050PM |
| 1-1/2" x 3/4" | 4.00 | T31M-150075PL | T31M-150075PM |
| 1-1/2" x 1" | 4.00 | T31M-150100PL | T31M-150100PM |
| 2" x 1/2" | 6.50 | T31M-200050PL | T31M-200050PM |
| 2" x 3/4" | 6.00 | T31M-200075PL | T31M-200075PM |
| 2" x 1" | 6.00 | T31M-200100PL | T31M-200100PM |
| 2" x 1-1/2" | 4.00 | T31M-200150PL | T31M-200150PM |
| 2-1/2" x 1/2" | 8.50 | T31M-250050PL | T31M-250050PM |
| 2-1/2" x 3/4" | 8.00 | T31M-250075PL | T31M-250075PM |
| 2-1/2" x 1" | 8.00 | T31M-250100PL | T31M-250100PM |
| 2-1/2" x 1-1/2" | 6.00 | T31M-250150PL | T31M-250150PM |
| 2-1/2" x 2" | 4.25 | T31M-250200PL | T31M-250200PM |
| 3" x 1" | 10.00 | T31M-300100PL | T31M-300100PM |
| 3" x 1-1/2" | 8.00 | T31M-300150PL | T31M-300150PM |
| 3" x 2" | 6.25 | T31M-300200PL | T31M-300200PM |
| 3" x 2-1/2" | 4.25 | T31M-300250PL | T31M-300250PM |
| 4" x 1" | 14.13 | T31M-400100PL | T31M-400100PM |
| 4" x 1-1/2" | 12.13 | T31M-400150PL | T31M-400150PM |
| 4" x 2" | 10.38 | T31M-400200PL | T31M-400200PM |
| 4" x 2-1/2" | 8.38 | T31M-400250PL | T31M-400250PM |
| 4" x 3" | 6.38 | T31M-400300PL | T31M-400300PM |
| 6" x 3" | 9.00 | T31M-600300PL | T31M-600300PM |
| 6" x 4" | 9.00 | T31M-600400PL | T31M-600400PM |




BPE Table DT-4.1.3-2(a)

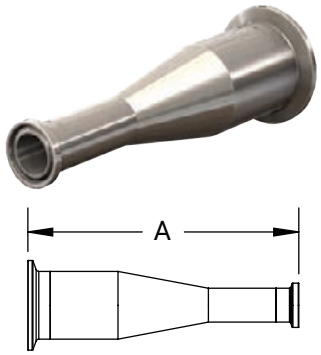
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NOTE: BPE 2016 Specifications
PL Finish – SF1 PM Finish – SF4

## High Purity BioPharm Fittings

### Clamp x Clamp Concentric Reducers - T3114MP

A 3 621 63-04



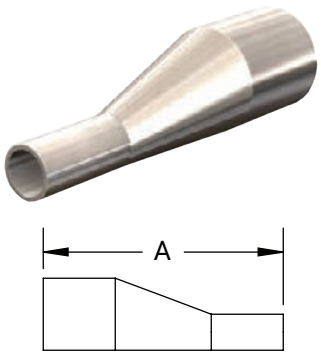

BPE Table DT-4.1.3-3(a)

| Tube O.D. | A (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|
| 3/4" x 1/2" | 2.00 | T3114MP075050PL | T3114MP075050PM |
| 1" x 1/2" | 2.50 | T3114MP100050PL | T3114MP100050PM |
| 1" x 3/4" | 2.00 | T3114MP100075PL | T3114MP100075PM |
| 1-1/2" x 1/2" | 3.50 | T3114MP150050PL | T3114MP150050PM |
| 1-1/2" x 3/4" | 3.00 | T3114MP150075PL | T3114MP150075PM |
| 1-1/2" x 1" | 3.00 | T3114MP150100PL | T3114MP150100PM |
| 2" x 1/2" | 5.50 | T3114MP200050PL | T3114MP200050PM |
| 2" x 3/4" | 5.00 | T3114MP200075PL | T3114MP200075PM |
| 2" x 1" | 5.00 | T3114MP200100PL | T3114MP200100PM |
| 2" x 1-1/2" | 3.00 | T3114MP200150PL | T3114MP200150PM |
| 2-1/2" x 1/2" | 7.50 | T3114MP250050PL | T3114MP250050PM |
| 2-1/2" x 3/4" | 7.00 | T3114MP250075PL | T3114MP250075PM |
| 2-1/2" x 1" | 7.00 | T3114MP250100PL | T3114MP250100PM |
| 2-1/2" x 1-1/2" | 5.00 | T3114MP250150PL | T3114MP250150PM |
| 2-1/2" x 2" | 3.00 | T3114MP250200PL | T3114MP250200PM |
| 3" x 1" | 9.00 | T3114MP300100PL | T3114MP300100PM |
| 3" x 1-1/2" | 7.00 | T3114MP300150PL | T3114MP300150PM |
| 3" x 2" | 5.00 | T3114MP300200PL | T3114MP300200PM |
| 3" x 2-1/2" | 3.00 | T3114MP300250PL | T3114MP300250PM |
| 4" x 1" | 13.13 | T3114MP400100PL | T3114MP400100PM |
| 4" x 1-1/2" | 11.13 | T3114MP400150PL | T3114MP400150PM |
| 4" x 2" | 9.13 | T3114MP400200PL | T3114MP400200PM |
| 4" x 2-1/2" | 7.13 | T3114MP400250PL | T3114MP400250PM |
| 4" x 3" | 5.13 | T3114MP400300PL | T3114MP400300PM |
| 6" x 3" | 7.50 | T3114MP600300PL | T3114MP600300PM |
| 6" x 4" | 7.63 | T3114MP600400PL | T3114MP600400PM |

### Weld x Weld Eccentric Reducers - T32W

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BPE Table DT-4.1.3-1(a)

| Tube O.D. | A (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|
| 3/4" x 1/2" | 4.00 | T32W-075050PL | T32W-075050PM |
| 1" x 1/2" | 4.50 | T32W-100050PL | T32W-100050PM |
| 1" x 3/4" | 4.00 | T32W-100075PL | T32W-100075PM |
| 1-1/2" x 1/2" | 5.50 | T32W-150050PL | T32W-150050PM |
| 1-1/2" x 3/4" | 5.00 | T32W-150075PL | T32W-150075PM |
| 1-1/2" x 1" | 5.00 | T32W-150100PL | T32W-150100PM |
| 2" x 1/2" | 7.75 | T32W-200050PL | T32W-200050PM |
| 2" x 3/4" | 7.25 | T32W-200075PL | T32W-200075PM |
| 2" x 1" | 7.25 | T32W-200100PL | T32W-200100PM |
| 2" x 1-1/2" | 5.25 | T32W-200150PL | T32W-200150PM |
| 2-1/2" x 1/2" | 9.75 | T32W-250050PL | T32W-250050PM |
| 2-1/2" x 3/4" | 9.25 | T32W-250075PL | T32W-250075PM |
| 2-1/2" x 1" | 9.25 | T32W-250100PL | T32W-250100PM |
| 2-1/2" x 1-1/2" | 7.25 | T32W-250150PL | T32W-250150PM |
| 2-1/2" x 2" | 5.50 | T32W-250200PL | T32W-250200PM |
| 3" x 1" | 11.25 | T32W-300100PL | T32W-300100PM |
| 3" x 1-1/2" | 9.25 | T32W-300150PL | T32W-300150PM |
| 3" x 2" | 7.50 | T32W-300200PL | T32W-300200PM |
| 3" x 2-1/2" | 5.50 | T32W-300250PL | T32W-300250PM |
| 4" x 1" | 15.50 | T32W-400100PL | T32W-400100PM |
| 4" x 1-1/2" | 13.50 | T32W-400150PL | T32W-400150PM |
| 4" x 2" | 11.75 | T32W-400200PL | T32W-400200PM |
| 4" x 2-1/2" | 9.75 | T32W-400250PL | T32W-400250PM |
| 4" x 3" | 7.75 | T32W-400300PL | T32W-400300PM |
| 6" x 3" | 9.75 | T32W-600300PL | T32W-600300PM |
| 6" x 4" | 10.00 | T32W-600400PL | T32W-600400PM |

NOTE: BPE 2016 Specifications
PL Finish – SF1 PM Finish – SF4

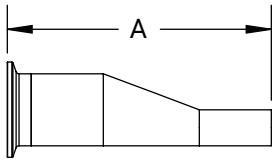
## High Purity BioPharm Fittings

### Clamp x Weld Eccentric Reducers - T32M

A 3 621 63-04

| Tube O.D. | A (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|
| 3/4" x 1/2" | 3.00 | T32M-075050PL | T32M-075050PM |
| 1" x 1/2" | 3.50 | T32M-100050PL | T32M-100050PM |
| 1" x 3/4" | 3.00 | T32M-100075PL | T32M-100075PM |
| 1-1/2" x 1/2" | 4.50 | T32M-150050PL | T32M-150050PM |
| 1-1/2" x 3/4" | 4.00 | T32M-150075PL | T32M-150075PM |
| 1-1/2" x 1" | 4.00 | T32M-150100PL | T32M-150100PM |
| 2" x 1/2" | 6.50 | T32M-200050PL | T32M-200050PM |
| 2" x 3/4" | 6.00 | T32M-200075PL | T32M-200075PM |
| 2" x 1" | 6.00 | T32M-200100PL | T32M-200100PM |
| 2" x 1-1/2" | 4.00 | T32M-200150PL | T32M-200150PM |
| 2-1/2" x 1/2" | 8.50 | T32M-250050PL | T32M-250050PM |
| 21/2" x 3/4" | 8.00 | T32M-250075PL | T32M-250075PM |
| 2-1/2" x 1" | 8.00 | T32M-250100PL | T32M-250100PM |
| 2-1/2" x 1-1/2" | 6.00 | T32M-250150PL | T32M-250150PM |
| 2-1/2" x 2" | 4.25 | T32M-250200PL | T32M-250200PM |
| 3" x 1" | 10.00 | T32M-300100PL | T32M-300100PM |
| 3" x 1-1/2" | 8.00 | T32M-300150PL | T32M-300150PM |
| 3" x 2" | 6.25 | T32M-300200PL | T32M-300200PM |
| 3" x 2-1/2" | 4.25 | T32M-300250PL | T32M-300250PM |
| 4" x 1" | 14.13 | T32M-400100PL | T32M-400100PM |
| 4" x 1-1/2" | 12.13 | T32M-400150PL | T32M-400150PM |
| 4" x 2" | 10.38 | T32M-400200PL | T32M-400200PM |
| 4" x 2-1/2" | 8.38 | T32M-400250PL | T32M-400250PM |
| 4" x 3" | 6.38 | T32M-400300PL | T32M-400300PM |
| 6" x 3" | 8.75 | T32M-600300PL | T32M-600300PM |
| 6" x 4" | 9.00 | T32M-600400PL | T32M-600400PM |





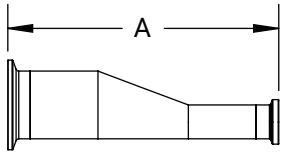

BPE Table DT-4.1.3-2(a)

### Clamp x Clamp Eccentric Reducers - T3214MP

A 3 621 63-04

| Tube O.D. | A (in) | PL Finish - SF1 | PM Finish - SF4 |
|---|---|---|---|
| 3/4" x 1/2" | 2.00 | T3214MP075050PL | T3214MP075050PM |
| 1" x 1/2" | 2.50 | T3214MP100050PL | T3214MP100050PM |
| 1" x 3/4" | 2.00 | T3214MP100075PL | T3214MP100075PM |
| 1-1/2" x 1/2" | 3.50 | T3214MP150050PL | T3214MP150050PM |
| 1-1/2" x 3/4" | 3.00 | T3214MP150075PL | T3214MP150075PM |
| 1-1/2" x 1" | 3.00 | T3214MP150100PL | T3214MP150100PM |
| 2" x 1/2" | 5.50 | T3214MP200050PL | T3214MP200050PM |
| 2" x 3/4" | 5.00 | T3214MP200075PL | T3214MP200075PM |
| 2" x 1" | 5.00 | T3214MP200100PL | T3214MP200100PM |
| 2" x 1-1/2" | 3.00 | T3214MP200150PL | T3214MP200150PM |
| 2-1/2" x 1/2" | 7.50 | T3214MP250050PL | T3214MP250050PM |
| 2-1/2" x 3/4" | 7.00 | T3214MP250075PL | T3214MP250075PM |
| 2-1/2" x 1" | 7.00 | T3214MP250100PL | T3214MP250100PM |
| 2-1/2" x 1-1/2" | 5.00 | T3214MP250150PL | T3214MP250150PM |
| 2-1/2" x 2" | 3.00 | T3214MP250200PL | T3214MP250200PM |
| 3" x 1" | 9.00 | T3214MP300100PL | T3214MP300100PM |
| 3" x 1-1/2" | 7.00 | T3214MP300150PL | T3214MP300150PM |
| 3" x 2" | 5.00 | T3214MP300200PL | T3214MP300200PM |
| 3" x 2-1/2" | 3.00 | T3214MP300250PL | T3214MP300250PM |
| 4" x 1" | 13.13 | T3214MP400100PL | T3214MP400100PM |
| 4" x 1-1/2" | 11.13 | T3214MP400150PL | T3214MP400150PM |
| 4" x 2" | 9.13 | T3214MP400200PL | T3214MP400200PM |
| 4" x 2-1/2" | 7.13 | T3214MP400250PL | T3214MP400250PM |
| 4" x 3" | 5.13 | T3214MP400300PL | T3214MP400300PM |
| 6" x 3" | 7.63 | T3214MP600300PL | T3214MP600300PM |
| 6" x 4" | 7.63 | T3214MP600400PL | T3214MP600400PM |





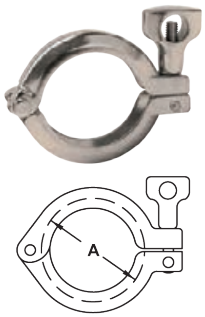

BPE Table DT-4.1.3-3(a)

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NOTE: BPE 2016 Specifications
PL Finish – SF1 PM Finish – SF4

## Pipe Size Clamps

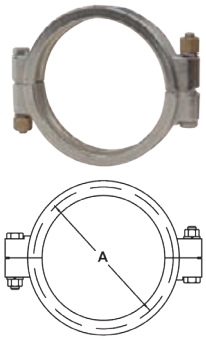
### Schedule 5S and 10S Single Pin Heavy Duty Clamps - 13MHHV




| Pipe Size | A (in) | Service Pressure Rating PSI @ 70°F (21°C)[1] | Part # |
|---|---|---|---|
| 1" | 2.12 | **500** | 13MHHV100 |
| 1-1/2" | 2.65 | **450** | 13MHHV150 |
| 2" | 3.18 | **400** | 13MHHV200 |
| 2-1/2" | 3.72 | **350** | 13MHHV250 |
| 3" | 4.26 | **250** | 13MHHV300 |
| 4" | 5.26 | **150** | 13MHHV400 |
| 6" | 7.50 | **100** | 13MHHV600 |
| 8" | 9.32 | **75** | 13MHHV800 |
| 10" | 11.45 | **75** | 13MHHV1000 |

[1] Wing nut tightened to 25 in-lb of torque

### Schedule 5S and 10S Bolted Clamps - 13MHPV



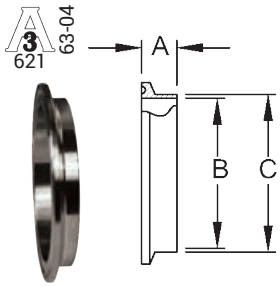

| Pipe Size | A (in) | Service Pressure Rating PSI @ 70°F (21°C)[1] | Part # |
|---|---|---|---|
| 1" | 2.05 | **750** | 13MHPV100 |
| 1-1/2" | 2.58 | **500** | 13MHPV150 |
| 2" | 3.11 | **500** | 13MHPV200 |
| 2/1/2" | 3.46 | **500** | 13MHPV250 |
| 3" | 4.31 | **400** | 13MHPV300 |
| 4" | 5.19 | **400** | 13MHPV400 |
| 6" | 7.20 | **350** | 13MHPV600 |
| 8" | 9.17 | **350** | 13MHPV800 |

[1] Bronze nuts tightened to 20 ft-lb of torque

M

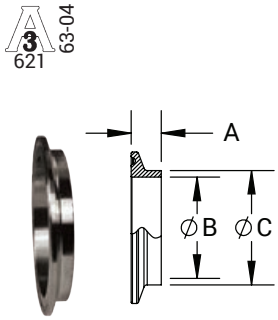
## Pipe Size Ferrules

### Schedule 5S Short Weld Ferrules - 14WMV




| Pipe Size | A (in) | B (in) | C (in) | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | .50 | 1.19 | 1.32 | 14WMV-R100 |
| 1-1/2" | .50 | 1.77 | 1.90 | 14WMV-R150 |
| 2" | .50 | 2.25 | 2.38 | 14WMV-R200 |
| 2-1/2" | .50 | 2.71 | 2.88 | 14WMV-R250 |
| 3" | .50 | 3.33 | 3.50 | 14WMV-R300 |
| 4" | .63 | 4.33 | 4.50 | 14WMV-R400 |
| 6" | .88 | 6.41 | 6.63 | 14WMV-R600 |

### Schedule 10S Short Weld Ferrules - 14WMX

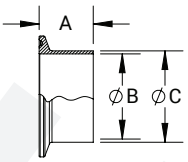



| Pipe Size | A (in) | B (in) | C (in) | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | .50 | 1.10 | 1.32 | 14WMX-R100 |
| 1-1/2" | .50 | 1.68 | 1.90 | 14WMX-R150 |
| 2" | .50 | 2.16 | 2.38 | 14WMX-R200 |
| 2-1/2" | .50 | 2.64 | 2.88 | 14WMX-R250 |
| 3" | .50 | 3.26 | 3.50 | 14WMX-R300 |
| 4" | .63 | 4.26 | 4.50 | 14WMX-R400 |
| 6" | .88 | 6.36 | 6.63 | 14WMX-R600 |

## Pipe Size Ferrules

### Schedule 5S Long Weld Ferrules - L14AM7V

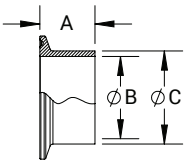





| Pipe Size | A (in) | B (in) | C (in) | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 1.13 | 1.19 | 1.32 | L14AM7V-R100 |
| 1-1/2" | 1.13 | 1.77 | 1.90 | L14AM7V-R150 |
| 2" | 1.13 | 2.25 | 2.38 | L14AM7V-R200 |
| 2-1/2" | 1.13 | 2.71 | 2.88 | L14AM7V-R250 |
| 3" | 1.13 | 3.33 | 3.50 | L14AM7V-R300 |
| 4" | 1.13 | 4.33 | 4.50 | L14AM7V-R400 |
| 6" | 1.50 | 6.41 | 6.63 | L14AM7V-R600 |

### Schedule 10S Long Weld Ferrules - L14AM7X



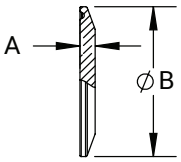



| Pipe Size | A (in) | B (in) | C (in) | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 1.13 | 1.10 | 1.32 | L14AM7X-R100 |
| 1-1/2" | 1.13 | 1.68 | 1.90 | L14AM7X-R150 |
| 2" | 1.13 | 2.16 | 2.38 | L14AM7X-R200 |
| 2-1/2" | 1.13 | 2.64 | 2.88 | L14AM7X-R250 |
| 3" | 1.13 | 3.26 | 3.50 | L14AM7X-R300 |
| 4" | 1.13 | 4.26 | 4.50 | L14AM7X-R400 |
| 6" | 1.50 | 6.36 | 6.63 | L14AM7X-R600 |

## Pipe Size End Caps

### Schedule 5S and 10S Solid End Caps - 16AMV

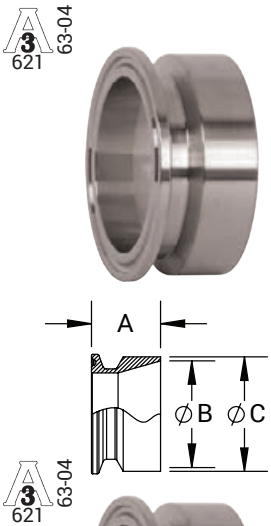





| Pipe Size | A (in) | B (in) | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | .25 | 1.98 | 16AMV-G100 | 16AMV-R100 |
| 1-1/2" | .25 | 2.52 | 16AMV-G150 | 16AMV-R150 |
| 2" | .25 | 3.05 | 16AMV-G200 | 16AMV-R200 |
| 2-1/2" | .25 | 3.60 | 16AMV-G250 | 16AMV-R250 |
| 3" | .31 | 4.13 | 16AMV-G300 | 16AMV-R300 |
| 4" | .31 | 5.13 | 16AMV-G400 | 16AMV-R400 |
| 6" | .44 | 7.20 | 16AMV-G600 | 16AMV-R600 |

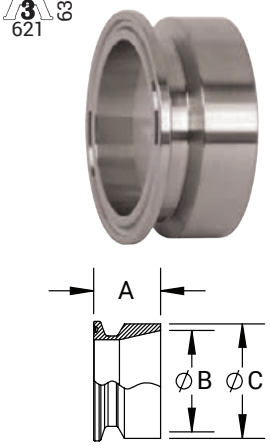
NOTE: For additional information on pipe dimensions please reference dixonvalve.com.

# Pipe Size Adapters



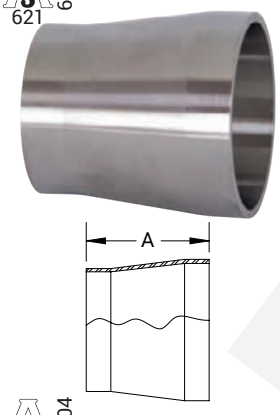

## Tube O.D. Clamp x Schedule 5S Weld Adapters - B19MPV

| Pipe Size | A (in) | B (in) | C (in) | Pipe Wall Thickness | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1" | 1.13 | 1.19 | 1.32 | .065 | B19MPV-R100 |
| 1-1/2" | 1.13 | 1.77 | 1.90 | .065 | B19MPV-R150 |
| 2" | 1.13 | 2.25 | 2.38 | .065 | B19MPV-R200 |
| 2-1/2" | 1.13 | 2.71 | 2.88 | .083 | B19MPV-R250 |
| 3" | 1.13 | 3.33 | 3.50 | .083 | B19MPV-R300 |
| 4" | 1.13 | 4.33 | 4.50 | .083 | B19MPV-R400 |



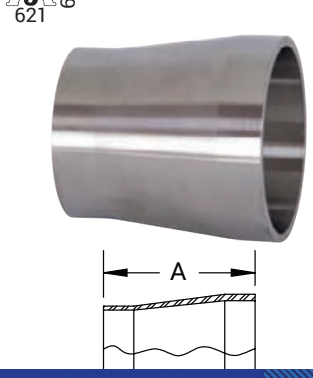

## Tube O.D. Clamp x Schedule 10S Weld Adapters - B19MPX

| Pipe Size | A (in) | B (in) | C (in) | Pipe Wall Thickness | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1" | 1.13 | 1.10 | 1.32 | .109 | B19MPX-R100 |
| 1-1/2" | 1.13 | 1.68 | 1.90 | .109 | B19MPX-R150 |
| 2" | 1.13 | 2.16 | 2.38 | .109 | B19MPX-R200 |
| 2-1/2" | 1.13 | 2.64 | 2.88 | .120 | B19MPX-R250 |
| 3" | 1.13 | 3.26 | 3.50 | .120 | B19MPX-R300 |
| 4" | 1.13 | 4.26 | 4.50 | .120 | B19MPX-R400 |




## Tube O.D. Weld x Schedule 5S Weld Adapters - B19WV

| Pipe Size | A (in) | Tube Wall Thickness | Pipe Wall Thickness | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 2.00 | .07 | .065 | B19WV-R100 |
| 1-1/2" | 2.50 | .07 | .065 | B19WV-R150 |
| 2" | 2.50 | .07 | .065 | B19WV-R200 |
| 2-1/2" | 2.50 | .07 | .083 | B19WV-R250 |
| 3" | 2.50 | .07 | .083 | B19WV-R300 |
| 4" | 3.00 | .08 | .083 | B19WV-R400 |




## Tube O.D. Weld x Schedule 10S Weld Adapters - B19WX

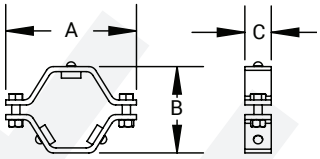
| Pipe Size | A (in) | Tube Wall Thickness | Pipe Wall Thickness | 316L Stainless Steel Part # |
|---|---|---|---|---|
| 1" | 2.00 | .07 | .109 | B19WX-R100 |
| 1-1/2" | 2.50 | .07 | .109 | B19WX-R150 |
| 2" | 2.50 | .07 | .109 | B19WX-R200 |
| 2-1/2" | 2.50 | .07 | .120 | B19WX-R250 |
| 3" | 2.50 | .07 | .120 | B19WX-R300 |
| 4" | 3.00 | .08 | .120 | B19WX-R400 |

# Pipe Size Hangers

## Hex Hanger with Rubber Grommets - B24RV[1]

| Pipe Size | A (in) | B (in) | C (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | 3.38 | 2.25 | 1.00 | B24RV-G50 |
| 3/4" | 3.38 | 2.19 | 1.00 | B24RV-G75 |
| 1" | 3.70 | 2.20 | 1.00 | B24RV-G100 |
| 1-1/2" | 4.40 | 2.80 | 1.00 | B24RV-G150 |
| 2" | 5.00 | 3.30 | 1.00 | B24RV-G200 |
| 2-1/2" | 5.60 | 3.70 | 1.00 | B24RV-G250 |
| 3" | 6.10 | 4.30 | 1.00 | B24RV-G300 |
| 4" | 7.60 | 5.00 | 1.00 | B24RV-G400 |
| 6" | 9.80 | 7.20 | 1.50 | B24RV-G600 |
| 8" | 12.25 | 9.38 | 1.50 | B24RV-G800 |



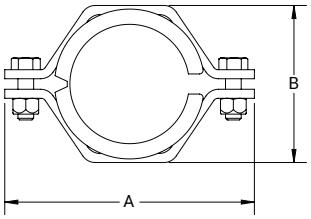



[1] For coupler options, call Dixon Sanitary at 800.789.1718

## Hex Hanger with Polypropylene Sleeves - B24PV[1]

| Pipe Size | A (in) | B (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1/2" | 3.38 | 1.63 | B24PV-G50 |
| 3/4" | 3.38 | 1.63 | B24PV-G75 |
| 1" | 3.63 | 2.13 | B24PV-G100 |
| 1-1/2" | 4.31 | 2.63 | B24PV-G150 |
| 2" | 4.88 | 3.13 | B24PV-G200 |
| 2-1/2" | 4.88 | 3.13 | B24PV-G250 |
| 3" | 6.00 | 4.25 | B24PV-G300 |
| 4" | 7.50 | 5.63 | B24PV-G400 |
| 5" | 8.50 | 6.38 | B24PV-G500 |
| 6" | 9.75 | 7.38 | B24PV-G600 |
| 8" | 11.38 | 9.38 | B24PV-G800 |






[1] For coupler options, call Dixon Sanitary at 800.789.1718

## Sleeves - 13PV

| Pipe Size | Polypropylene Part # |
|---|---|
| 3/4" | 13PV-75 |
| 1" | 13PV-100 |
| 1-1/2" | 13PV-150 |
| 2" | 13PV-200 |
| 2-1/2" | 13PV-250 |
| 3" | 13PV-300 |
| 4" | 13PV-400 |
| 6" | 13PV-600 |



NOTE: For additional information on pipe dimensions, please reference dixonvalve.com

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# Pipe Size Block Hangers



### Applications
- Clean rooms and mechanical areas; not limited to: biotech, pharmaceutical, food processing, beverage, dairy, cosmetic, chemical, water treatment, and semi-conductor industries.
- Low-flow and low-pressure systems with moderate vibration: WFI, SIP, CIP, process, utility, and instrument lines

### Sizes
- 1" - 4" standard; other sizes may be available upon request

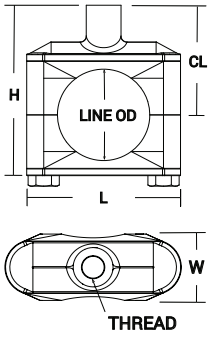
### Features
- Insulation envelope: reduced O.D. allows hanger to be buried under the insulation jacket
- ZERO PUDDLE Silicone inserts raised geometry facilitates drainage of liquids on vertical/riser lines
- There are no exposed threads or openings in hardware plates

### Materials
- Silicone insert - 80 durometer; color: blue
- ZERO PUDDLE silicone rubber insert are available with FDA and UL ratings
- 304 stainless steel as standard; 316 available upon request

### Specification
- Intermittent temperatures from **-40°F** to **320°F (-40°C** to **160°C)**
- Continuous temperatures from **-20°F** to **285°F (-29°C** to **140°C)**

### Approvals
- All plates polished, bolts are cleaned, and nuts are lubricated with FDA-approved product
- Hanger threads match MSS SP-69 rod O.D. requirements



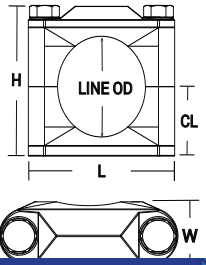



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## Hang Plate Block Hangers - B24V-HP

| Pipe Size | Line O.D. (in) | H (in) | L (in) | W (in) | CL (in) | Thread | 304 Stainless Steel Part # |
|---|---|---|---|---|---|---|---|
| 1" | 1.32 | 2.79 | 2.49 | 0.75 | 0.97 | 3/8"-16 | B24V-HP-G100 |
| 1-1/2" | 1.90 | 3.29 | 2.99 | 0.88 | 1.25 | 3/8"-16 | B24V-HP-G150 |
| 2" | 2.38 | 5.59 | 3.36 | 0.88 | 1.47 | 1/2"-13 | B24V-HP-G200 |
| 2-1/2" | 2.88 | 6.02 | 3.74 | 0.88 | 1.66 | 1/2"-13 | B24V-HP-G250 |
| 3" | 3.50 | 6.68 | 4.48 | 1.00 | 2.03 | 1/2"-13 | B24V-HP-G300 |
| 4" | 4.50 | 6.24 | 5.10 | 1.00 | 2.50 | 5/8"-11 | B24V-HP-G400 |






## Weld Plate Block Hangers - B24V-WP

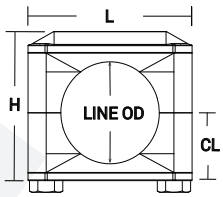
| Pipe Size | Line O.D. (in) | H (in) | L (in) | W (in) | CL (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|---|---|
| 1" | 1.32 | 2.23 | 2.49 | 0.75 | 1.03 | B24V-WP-G100 |
| 1-1/2" | 1.90 | 2.75 | 2.99 | 0.88 | 1.31 | B24V-WP-G150 |
| 2" | 2.38 | 3.25 | 3.36 | 0.88 | 1.55 | B24V-WP-G200 |
| 2-1/2" | 2.88 | 3.68 | 3.74 | 0.88 | 1.70 | B24V-WP-G250 |
| 3" | 3.50 | 4.15 | 4.48 | 1.00 | 2.06 | B24V-WP-G300 |
| 4" | 4.50 | 5.27 | 5.10 | 1.00 | 2.58 | B24V-WP-G400 |

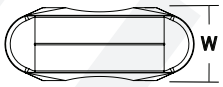
# Pipe Size Uni-Hinge Block Hangers

## Base Mount Block Hangers - B24V-BM



| Pipe Size | Line O.D. (in) | H (in) | L (in) | W (in) | CL (in) | Round Coupling | | 304 Stainless Steel Part # |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Height (in) | Thread | |
| 1" | 1.312 | 2.19 | 2.49 | .75 | .97 | .47 | 3/8"-16 | B24V-BM-G100 |
| 1-1/2" | 1.90 | 2.69 | 2.99 | .88 | 1.25 | .47 | 3/8"-16 | B24V-BM-G150 |
| 2" | 2.38 | 3.19 | 3.36 | .88 | 1.49 | .59 | 1/2"-13 | B24V-BM-G200 |
| 2-1/2" | 2.88 | 3.63 | 3.74 | .88 | 1.71 | .59 | 1/2"-13 | B24V-BM-G250 |

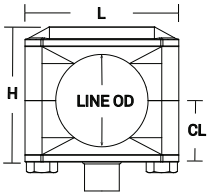


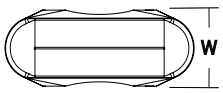




## Base Mount Block Hanger Threaded Couplings - B24V-BMTC



| Pipe Size | Line O.D. (in) | H (in) | L (in) | W (in) | CL (in) | Round Coupling | | 304 Stainless Steel Part # |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Height (in) | Thread | |
| 1" | 1.312 | 2.19 | 2.49 | .75 | 1.94 | .47 | 3/8"-16 | B24V-BM-G100 |
| 1-1/2" | 1.90 | 2.69 | 2.99 | .88 | 2.44 | .47 | 3/8"-16 | B24V-BM-G150 |
| 2" | 2.38 | 3.19 | 3.36 | .88 | 2.81 | .59 | 1/2"-13 | B24V-BM-G200 |
| 2-1/2" | 2.88 | 3.63 | 3.74 | .88 | 3.19 | .59 | 1/2"-13 | B24V-BM-G250 |

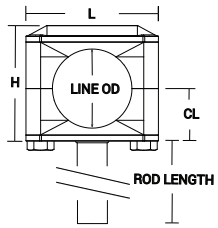


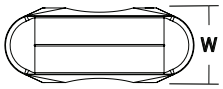




## Base Mount Block Hanger Rod Mounts - B24V-BMR6



| Pipe Size | Line O.D. (in) | H (in) | L (in) | W (in) | CL (in) | Rod (stock length) | | 304 Stainless Steel Part # |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Length (in) | O.D. | |
| 1" | 1.32 | 2.19 | 2.49 | .75 | 1.94 | 6.00 | .38 | B24V-BMR6-G100 |
| 1-1/2" | 1.90 | 2.69 | 2.99 | .88 | 2.44 | 6.00 | .38 | B24V-BMR6-G150 |
| 2" | 2.38 | 3.19 | 3.36 | .88 | 2.81 | 6.00 | .50 | B24V-BMR6-G200 |
| 2-1/2" | 2.88 | 3.63 | 3.74 | .88 | 3.19 | 6.00 | .50 | B24V-BMR6-G250 |

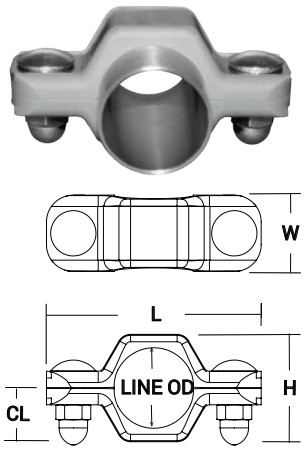



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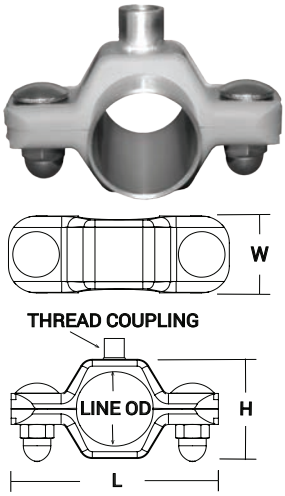
# Pipe Size Uni-Hinge Block Hangers

## Process Hex Hanger Weld Mounts - B24V-PH




| Pipe Size | Line O.D. | H (in) | L (in) | W (in) | CL (in) | 304 Stainless Steel With Acorn Nut Part # | 304 Stainless Steel With Lock Nut Part # |
|---|---|---|---|---|---|---|---|
| 1" | 1.32 | 1.96 | 4.00 | 1.42 | 0.98 | B24V-PH-G100 | B24V-PHL-G100 |
| 1-1/2" | 1.90 | 2.50 | 4.60 | 1.42 | 1.25 | B24V-PH-G150 | B24V-PHL-G150 |
| 2" | 2.38 | 3.00 | 5.10 | 1.42 | 1.50 | B24V-PH-G200 | B24V-PHL-G200 |
| 2-1/2" | 2.88 | 3.50 | 5.60 | 1.42 | 1.75 | B24V-PH-G250 | B24V-PHL-G250 |
| 3" | 3.50 | 4.13 | 6.33 | 1.42 | 2.06 | B24V-PH-G300 | B24V-PHL-G300 |
| 4" | 4.50 | 5.12 | 7.52 | 1.42 | 2.65 | B24V-PH-G400 | B24V-PHL-G400 |

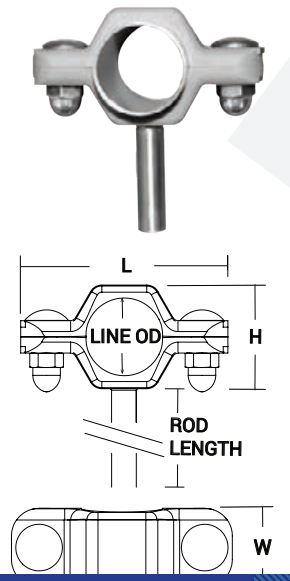
## Process Hex Hanger Weld Mount Threaded Couplings - B24V-PHC




| Pipe Size | Line O.D. (in) | H (in) | L (in) | W (in) | Height (in) | Thread (in) | 304 Stainless Steel With Acorn Nut Part # | 304 Stainless Steel With Lock Nut Part # |
|---|---|---|---|---|---|---|---|---|
| 1" | 1.32 | 1.96 | 4.00 | 1.42 | 0.47 | 3/8"-16 | B24V-PHC-G100 | B24V-PHCL-G100 |
| 1-1/2" | 1.90 | 2.50 | 4.60 | 1.42 | 0.47 | 3/8"-16 | B24V-PHC-G150 | B24V-PHCL-G150 |
| 2" | 2.38 | 3.00 | 5.10 | 1.42 | 0.59 | 1/2"-13 | B24V-PHC-G200 | B24V-PHCL-G200 |
| 2-1/2" | 2.88 | 3.50 | 5.60 | 1.42 | 0.59 | 1/2"-13 | B24V-PHC-G250 | B24V-PHCL-G250 |
| 3" | 3.50 | 4.13 | 6.33 | 1.42 | 0.59 | 1/2"-13 | B24V-PHC-G300 | B24V-PHCL-G300 |
| 4" | 4.50 | 5.12 | 7.52 | 1.42 | 0.59 | 1/2"-13 | B24V-PHC-G400 | B24V-PHCL-G400 |

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## Process Hex Hanger Weld Mounts Rod Attached - B24V-PHR6




| Pipe Size | Line O.D. (in) | H (in) | L (in) | W (in) | Length (in) | O.D. (in) | 304 Stainless Steel With Acorn Nut Part # | 304 Stainless Steel With Lock Nut Part # |
|---|---|---|---|---|---|---|---|---|
| 1" | 1.32 | 1.96 | 4.00 | 1.42 | 6 | 0.38 | B24V-PHR6-G100 | B24V-PHR6L-G100 |
| 1-1/2" | 1.90 | 2.50 | 4.60 | 1.42 | 6 | 0.38 | B24V-PHR6-G150 | B24V-PHR6L-G150 |
| 2" | 2.38 | 3.00 | 5.10 | 1.42 | 6 | 0.50 | B24V-PHR6-G200 | B24V-PHR6L-G200 |
| 2-1/2" | 2.88 | 3.50 | 5.60 | 1.42 | 6 | 0.50 | B24V-PHR6-G250 | B24V-PHR6L-G250 |
| 3" | 3.50 | 4.13 | 6.33 | 1.42 | 6 | 0.50 | B24V-PHR6-G300 | B24V-PHR6L-G300 |
| 4" | 4.50 | 5.12 | 7.52 | 1.42 | 6 | 0.63 | B24V-PHR6-G400 | B24V-PHR6L-G400 |

# Schedule 5S and 10S Pipe Gaskets

## Nitrile Rubber - 40MPV-U, Black

**Feature**
- Color code: red dot

**Approval**
- Meets 21CFR 177.2600



| Size | Nitrile Rubber Part # |
|---|---|
| 1" | 40MPV-U100 |
| 1-1/2" | 40MPV-U150 |
| 2" | 40MPV-U200 |
| 2-1/2" | 40MPV-U250 |
| 3" | 40MPV-U300 |
| 4" | 40MPV-U400 |
| 6" | 40MPV-U600 |

## PTFE - 40MPV-G, White

**Features**
- Color code: no dot
- Not recommended for use with bolted clamps

**Approvals**
- Meets 21CFR 177.1550
- Passed U.S.P. Class VI Cytotoxicity testing



| Size | PTFE Part # |
|---|---|
| 1" | 40MPV-G100 |
| 1-1/2" | 40MPV-G150 |
| 2" | 40MPV-G200 |
| 2-1/2" | 40MPV-G250 |
| 3" | 40MPV-G300 |
| 4" | 40MPV-G400 |
| 6" | 40MPV-G600 |

PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration, and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.



PDF

# Schedule 5S and 10S Pipe Gaskets

## EPDM - 40MPV-E, Black

**Feature**
- Color code: 3 green dots

**Approvals**
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing



| Size | EPDM Part # |
|---|---|
| 1" | 40MPV-E100 |
| 1-1/2" | 40MPV-E150 |
| 2" | 40MPV-E200 |
| 2-1/2" | 40MPV-E250 |
| 3" | 40MPV-E300 |
| 4" | 40MPV-E400 |
| 6" | 40MPV-E600 |

## FKM - 40MPV-SFY, Black

**Feature**
- Color code: 1 white dot, 1 yellow dot

**Approvals**
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

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| Size | FKM Part # |
|---|---|
| 1" | 40MPV-SFY100 |
| 1-1/2" | 40MPV-SFY150 |
| 2" | 40MPV-SFY200 |
| 2-1/2" | 40MPV-SFY250 |
| 3" | 40MPV-SFY300 |
| 4" | 40MPV-SFY400 |
| 6" | 40MPV-SFY600 |

# Sanitary Gaskets


**Types** **Pages**
- Clamp ..... 674 - 681
- Bevel seat ..... 682 - 683
- I-line / Q-line ..... 684 - 685
- John Perry ..... 686 - 687
- Euro ..... 688 - 689
- Clamp gasket sizing chart ..... 690 - 692




## Materials
- Nitrile rubber
- Silicone (peroxide cured)
- EPDM
- FKM
- PTFE

## Approvals
- U.S. Pharmacopoeia Class VI Cytotoxicity Criteria
- Title 21CFR177.2600 & .1550
- USDA and 3A Sanitary Standards

All elastomeric gaskets require periodic replacement. Gasket life is influenced by the gasket material, product application, temperature, cleaning procedures, etc. After monitoring gasket conditions in a process system, a schedule should be developed for replacement of gaskets.

### Color Coding - Identification of Gasket Materials

| Elastomer | Part # Identifier | Color Code | Temperature | |
|---|---|---|---|---|
| | | | Farenheit | Celsius |
| Nitrile rubber | U | 1 red dot | **-30°F to 200°F** | **-34°C to 93°C** |
| White nitrile rubber | UW | 1 red dot | **-30°F to 200°F** | **-34°C to 93°C** |
| EPDM peroxide cured | E | 3 green dots | **-30°F to 300°F** | **-34°C to 149°C** |
| FKM | SFY | 1 white dot and 1 yellow dot | **-30°F to 400°F** | **-34°C to 204°C** |
| Silicone platinum cured (white) | XW | 1 pink dot | **-40°F to 450°F** | **-40°C to 232°C** |
| Silicone platinum cured (clear) | XC | none | **-40°F to 450°F** | **-40°C to 232°C** |
| PTFE | G | none | **-100°F to 500°F** | **-73°C to 260°C** |
| Metal detectable PTFE | GZ | none | **-320°F to 550°F** | **-195°C to 288°C** |
| Metal detectable nitrile rubber | UZ | 2 blue dots and 1 red dot | **-30°F to 200°F** | **-34°C to 93°C** |
| Metal detectable EPDM | EZ | 2 blue dots and 3 green dots | **-30°F to 300°F** | **-34°C to 149°C** |
| Metal detectable FKM | SFYZ | 2 blue dots and 1 white dot and 1 yellow dot | **-30°F to 400°F** | **-34°C to 204°C** |
| Metal detectable Silicone | XZ | 2 blue dots and 1 pink dot | **-40°F to 450°F** | **-40°C to 232°C** |

M

### Packaging and Storing Information

The shelf life of rubber gaskets is the maximum period from cure date to the date the product is installed. During the shelf life time, the rubber product is expected to retain its characteristics under the following conditions:
- Stored in original packaging in a clean, dry warehouse
- Not exposed to direct sunlight
- Stored no closer than 6 feet from electric motors
- Temperature between **65°F** to **85°F (18°C** to **29°C)**

A guideline for shelf life of rubber gaskets manufactured from the following components should have the following shelf life not to exceed:
- Nitrile rubber ..... 10 years
- EPDM ..... 10 years
- FKM ..... 10 years
- Silicone ..... 5 years
- PTFE ..... 20 years

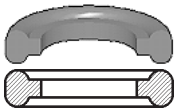
## Clamp Gaskets

### Specifications

- **PSI** Service Ratings for the sanitary clamps DO NOT APPLY to connections (1" and above) using any PTFE gaskets, due to the potential for cold flow under normal operating conditions. PTFE gaskets, when used with any clamp, are likely to leak at pressures far below the published service ratings. This restriction does not apply to the fractionally sized 1/2" and 3/4" connections, due to their recessed, fully contained design.

### Approval

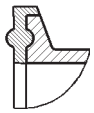
- Gasket material approved by 3A (3A), USDA and complies with FDA's 21CFR177.2600 and 1550

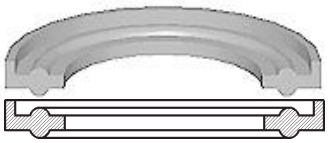


Mini



Standard - type 1





Flanged - type 2

### Clamp Gaskets - Black



Type 1 - Standard
1" and larger



Type 1 - Standard
1/2" - 3/4"

**Feature**
- Color code: one red dot

**Approval**
- Meets 21CFR 177.2600

| Size | Nitrile Rubber Part # |
|---|---|
| 1/2" | 42MP-U50 |
| 3/4" | 42MP-U75 |
| 1" | 40MP-U100 |
| 1-1/2" | 40MP-U150 |
| 2" | 40MP-U200 |
| 2-1/2" | 40MP-U250 |
| 3" | 40MP-U300 |
| 4" | 40MP-U400 |
| 5" | 40MP-U500 |
| 6" | 40MP-U600 |
| 8" | 40MP-U800 |

### Clamp Gaskets - White

M



Type 1 - Standard
1" and larger



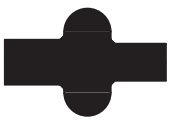
Type 1 - Standard
1/2" - 3/4"

**Feature**
- Color code: one red dot

**Approval**
- Meets 21CFR 177.2600

| Size | Nitrile Rubber Part # |
|---|---|
| 1/2" | 42MP-UW50 |
| 3/4" | 42MP-UW75 |
| 1" | 40MP-UW100 |
| 1-1/2" | 40MP-UW150 |
| 2" | 40MP-UW200 |
| 2-1/2" | 40MP-UW250 |
| 3" | 40MP-UW300 |
| 4" | 40MP-UW400 |
| 6" | 40MP-UW600 |

### Clamp Gaskets - Black



Type 1 - Standard
1" and larger



Type 1 - Standard
1/2" - 3/4"

**Features**
- Color code: three green dots
- Peroxide cured

**Approvals**
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

| Size | EPDM Part # |
|---|---|
| 1/2" | 42MP-E50 |
| 3/4" | 42MP-E75 |
| 1" | 40MP-E100 |
| 1-1/2" | 40MP-E150 |
| 2" | 40MP-E200 |
| 2-1/2" | 40MP-E250 |
| 3" | 40MP-E300 |
| 4" | 40MP-E400 |
| 5" | 40MP-E500 |
| 6" | 40MP-E600 |

# Clamp Gaskets

## Clamp Gaskets - Black

| Size | FKM Part # |
|---|---|
| 1/2" | 42MP-SFY50 |
| 3/4" | 42MP-SFY75 |
| 1" | 40MP-SFY100 |
| 1-1/2" | 40MP-SFY150 |
| 2" | 40MP-SFY200 |
| 2-1/2" | 40MP-SFY250 |
| 3" | 40MP-SFY300 |
| 4" | 40MP-SFY400 |
| 6" | 40MP-SFY600 |
| 8" | 40MP-SFY800 |

**Features**
- Color code: one white dot and one yellow dot
- Peroxide cured

**Approvals**
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing



Type 1 - Standard
1/2" - 3/4"



Type 1 - Standard
1" and larger

## Clamp Gaskets - White

| Size | Silicone Part # |
|---|---|
| 1/2" | 42MP-XW50 |
| 3/4" | 42MP-XW75 |
| 1" | 40MP-XW100 |
| 1-1/2" | 40MP-XW150 |
| 2" | 40MP-XW200 |
| 2-1/2" | 40MP-XW250 |
| 3" | 40MP-XW300 |
| 4" | 40MP-XW400 |
| 6" | 40MP-XW600 |

**Features**
- Color code: one pink dot
- Peroxide cured

**Approvals**
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing



Type 1 - Standard
1/2" - 3/4"



Type 1 - Standard
1" and larger

## Clamp Gaskets - Clear

| Size | Silicone Part # |
|---|---|
| 1/2" | 42MP-XC50 |
| 3/4" | 42MP-XC75 |
| 1" | 40MP-XC100 |
| 1-1/2" | 40MP-XC150 |
| 2" | 40MP-XC200 |
| 2-1/2" | 40MP-XC250 |
| 3" | 40MP-XC300 |
| 4" | 40MP-XC400 |
| 5" | 40MP-XC500 |
| 6" | 40MP-XC600 |
| 8" | 40MP-XC800 |

**Features**
- Color code: no dot
- Peroxide cured

**Approval**
- Meets 21CFR 177.2600



Type 1 - Standard
1/2" - 3/4"



Type 1 - Standard
1" and larger

M

## Clamp Gaskets - White

| Size | PTFE Part # |
|---|---|
| 1/2" | 42MP-G50 |
| 3/4" | 42MP-G75 |
| 1" | 40MP-G100 |
| 1-1/2" | 40MP-G150 |
| 2" | 40MP-G200 |
| 2-1/2" | 40MP-G250 |
| 3" | 40MP-G300 |
| 4" | 40MP-G400 |
| 5" | 40MP-G500 |
| 6" | 40MP-G600 |
| 8" | 40MP-G800 |
| 10" | 40MP-G1000 |
| 12" | 40MP-G1200 |

**Features**
- Color code: no dot
- Not recommended for use with bolted clamps

**Approvals**
- Meets 21CFR 177.1550
- Passed U.S.P. Class VI Cytotoxicity testing



Type 1 - Standard
1/2" - 3/4"



Type 1 - Standard
1" and larger

NOTE: PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration, and it will continue to compress as the cycling continues.

# Metal and X-ray Detectable Clamp Gaskets



Type 1 - Standard
1/2" - 3/4"



Type 1 - Standard
1" and larger

### Materials
- Metal detectable gaskets are impregnated with stainless steel particles, the addition of stainless steel allows a gasket or gasket pieces to be found with metal detection equipment

## Nitrile Rubber - Metal Detectable Clamp Gaskets

### Feature
- Color code: two blue dots and one red dot

### Approvals
- Meets 21CFR 177.2600
- Passed U.S.P Class VI Cytotoxicity testing

| Size | Black Part # | Blue Part # | Red Part # |
|---|---|---|---|
| 1/2" | 42MP-UZ50 | 42MP-UZ50BL | 42MP-UZ50RD |
| 3/4" | 42MP-UZ75 | 42MP-UZ75BL | 42MP-UZ75RD |
| 1" | 40MP-UZ100 | 40MP-UZ100BL | 40MP-UZ100RD |
| 1-1/2" | 40MP-UZ150 | 40MP-UZ150BL | 40MP-UZ150RD |
| 2" | 40MP-UZ200 | 40MP-UZ200BL | 40MP-UZ200RD |
| 2-1/2" | 40MP-UZ250 | 40MP-UZ250BL | 40MP-UZ250RD |
| 3" | 40MP-UZ300 | 40MP-UZ300BL | 40MP-UZ300RD |
| 4" | 40MP-UZ400 | 40MP-UZ400BL | 40MP-UZ400RD |
| 6" | 40MP-UZ600 | 40MP-UZ600BL | 40MP-UZ600RD |
| 8" | 40MP-UZ800 | 40MP-UZ800BL | 40MP-UZ800RD |
| 10" | 40MP-UZ1000 | 40MP-UZ1000BL | 40MP-UZ1000RD |

## EPDM - Metal Detectable Clamp Gaskets

### Feature
- Color code: two blue dots and three green dots

### Approvals
- Meets 21CFR 177.2600
- Passed U.S.P Class VI Cytotoxicity testing

| Size | Black Part # | Blue Part # | Red Part # |
|---|---|---|---|
| 1/2" | 42MP-E50 | 42MP-E50BL | -- |
| 3/4" | 42MP-E75 | 42MP-E75BL | -- |
| 1" | 40MP-E100 | 40MP-E100BL | 40MP-E100RD |
| 1-1/2" | 40MP-E150 | 40MP-E150BL | 40MP-E150RD |
| 2" | 40MP-E200 | 40MP-E200BL | 40MP-E200RD |
| 2-1/2" | 40MP-E250 | 40MP-E250BL | 40MP-E250RD |
| 3" | 40MP-E300 | 40MP-E300BL | 40MP-E300RD |
| 4" | 40MP-E400 | 40MP-E400BL | 40MP-E400RD |
| 6" | 40MP-E600 | 40MP-E600BL | 40MP-E600RD |
| 8" | 40MP-E800 | 40MP-E800BL | 40MP-E800RD |
| 10" | 40MP-E1000 | 40MP-E1000BL | 40MP-E1000RD |



## FKM - Metal Detectable Clamp Gaskets

### Feature
- Color code: two blue dots, one white dot, and one yellow dot

### Approvals
- Meets 21CFR 177.2600
- Passed U.S.P Class VI Cytotoxicity testing

| Size | Black Part # | Blue Part # | Red Part # |
|---|---|---|---|
| 1/2" | 42MP-SFY50 | 42MP-SFY50BL | -- |
| 3/4" | 42MP-SFY75 | 42MP-SFY75BL | -- |
| 1" | 40MP-SFY100 | 40MP-SFY100BL | 40MP-SFY100RD |
| 1-1/2" | 40MP-SFY150 | 40MP-SFY150BL | 40MP-SFY150RD |
| 2" | 40MP-SFY200 | 40MP-SFY200BL | 40MP-SFY200RD |
| 2-1/2" | 40MP-SFY250 | 40MP-SFY250BL | 40MP-SFY250RD |
| 3" | 40MP-SFY300 | 40MP-SFY300BL | 40MP-SFY300RD |
| 4" | 40MP-SFY400 | 40MP-SFY400BL | 40MP-SFY400RD |
| 6" | 40MP-SFY600 | 40MP-SFY600BL | 40MP-SFY600RD |

## Silicone - Metal Detectable Clamp Gaskets

### Feature
- Color code: two  blue dots and one pink dot

### Approvals
- Meets 21CFR 177.2600
- Passed U.S.P.Class VI Cytotoxicity testing

| Size | Blue Part # | Red Part # |
|---|---|---|
| 1/2" | 42MP-XZ50BL | 42MP-XZ50RD |
| 3/4" | 42MP-XZ75BL | 42MP-XZ75RD |
| 1" | 40MP-XZ100BL | 40MP-XZ100RD |
| 1-1/2" | 40MP-XZ150BL | 40MP-XZ150RD |
| 2" | 40MP-XZ200BL | 40MP-XZ200RD |
| 2-1/2" | 40MP-XZ250BL | 40MP-XZ250RD |
| 3" | 40MP-XZ300BL | 40MP-XZ300RD |
| 4" | 40MP-XZ400BL | 40MP-XZ400RD |
| 6" | 40MP-XZ600BL | 40MP-XZ800RD |
| 8" | 40MP-XZ800BL | 40MP-XZ1000RD |

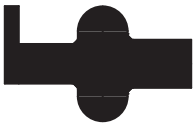
# Flanged Clamp Gaskets

## Flanged Clamp Gaskets - Black

| Size | Nitrile Rubber Part # |
|---|---|
| 1" | 40MPF-U100 |
| 1-1/2" | 40MPF-U150 |
| 2" | 40MPF-U200 |
| 2-1/2" | 40MPF-U250 |
| 3" | 40MPF-U300 |
| 4" | 40MPF-U400 |
| 6" | 40MPF-U600 |
| 8" | 40MPF-U800 |
| 10" | 40MPF-U1000 |
| 12" | 40MPF-U1200 |

**Feature**
- Color code: one red dot

**Approval**
- Meets 21CFR 177.2600



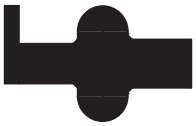
Type 2 - Flanged
1" and larger

## Flanged Clamp Gaskets - White

| Size | Nitrile Rubber Part # |
|---|---|
| 1" | 40MPF-UW100 |
| 1-1/2" | 40MPF-UW150 |
| 2" | 40MPF-UW200 |
| 2-1/2" | 40MPF-UW250 |
| 3" | 40MPF-UW300 |
| 4" | 40MPF-UW400 |
| 6" | 40MPF-UW600 |
| 8" | 40MPF-UW800 |
| 10" | 40MPF-UW1000 |
| 12" | 40MPF-UW1200 |

**Feature**
- Color code: one red dot

**Approval**
- Meets 21CFR 177.2600



Type 2 - Flanged
1" and larger

M

## Flanged Clamp Gaskets - Black

| Size | EPDM Part # |
|---|---|
| 1" | 40MPF-E100 |
| 1-1/2" | 40MPF-E150 |
| 2" | 40MPF-E200 |
| 2-1/2" | 40MPF-E250 |
| 3" | 40MPF-E300 |
| 4" | 40MPF-E400 |
| 6" | 40MPF-E600 |
| 8" | 40MPF-E800 |
| 10" | 40MPF-E1000 |
| 12" | 40MPF-E1200 |

**Features**
- Color code: three green dots
- Peroxide cured

**Approvals**
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing



Type 2 - Flanged
1" and larger

# Clamp Flanged Gaskets

## Flanged Clamp Gaskets - Black



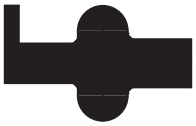
Type 2 - Flanged
1" and larger

**Features**
- Color code: one white dot, one yellow dot
- Peroxide cured
- Not recommended for use with bolted clamps

**Approvals**
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

| Size | FKM Part # |
|---|---|
| 1" | 40MPF-SFY100 |
| 1-1/2" | 40MPF-SFY150 |
| 2" | 40MPF-SFY200 |
| 2-1/2" | 40MPF-SFY250 |
| 3" | 40MPF-SFY300 |
| 4" | 40MPF-SFY400 |
| 6" | 40MPF-SFY600 |
| 8" | 40MPF-SFY800 |
| 10" | 40MPF-SFY1000 |
| 12" | 40MPF-SFY1200 |

## Flanged Clamp Gaskets - White



Type 2 - Flanged
1" and larger

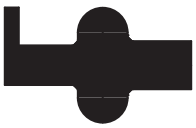
**Features**
- Color code: one pink dot
- Peroxide cured
- Not recommended for use with bolted clamps

**Approvals**
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

| Size | Silicone Part # |
|---|---|
| 1" | 40MPF-XW100 |
| 1-1/2" | 40MPF-XW150 |
| 2" | 40MPF-XW200 |
| 2-1/2" | 40MPF-XW250 |
| 3" | 40MPF-XW300 |
| 4" | 40MPF-XW400 |
| 6" | 40MPF-XW600 |
| 8" | 40MPF-XW800 |
| 10" | 40MPF-XW1000 |
| 12" | 40MPF-XW1200 |



## Flanged Clamp Gaskets - Clear



Type 2 - Flanged
1" and larger

**Features**
- Color code: no dot
- Peroxide cured
- Not recommended for use with bolted clamps

**Approvals**
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

| Size | Silicone Part # |
|---|---|
| 1" | 40MPF-XC100 |
| 1-1/2" | 40MPF-XC150 |
| 2" | 40MPF-XC200 |
| 2-1/2" | 40MPF-XC250 |
| 3" | 40MPF-XC300 |
| 4" | 40MPF-XC400 |
| 6" | 40MPF-XC600 |
| 8" | 40MPF-XC800 |
| 10" | 40MPF-XC1000 |

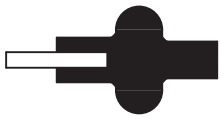
# Clamp Mesh Screened Gaskets

## Mesh Screen Clamp Gasket, 316

| Size | Nitrile Rubber Part # |
|---|---|
| 1" | 40MPS-U100 |
| 1-1/2" | 40MPS-U150 |
| 2" | 40MPS-U200 |
| 2-1/2" | 40MPS-U250 |
| 3" | 40MPS-U300 |
| 4" | 40MPS-U400 |

**Feature**
- Color code: one red dot

**Approval**
- Meets 21CFR 177.2600



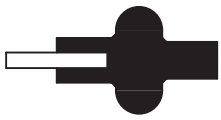
Type 3 - Mesh

## Mesh Screen Clamp Gaskets, 316

| Size | EPDM Part # |
|---|---|
| 1" | 40MPS-E100 |
| 1-1/2" | 40MPS-E150 |
| 2" | 40MPS-E200 |
| 2-1/2" | 40MPS-E250 |
| 3" | 40MPS-E300 |
| 4" | 40MPS-E400 |

**Feature**
- Color code: three green dot

**Approval**
- Meets 21CFR 177.2600



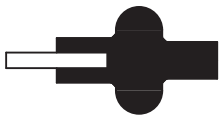
Type 3 - Mesh

## Mesh Screen Clamp Gaskets, 316

| Size | FKM Part # |
|---|---|
| 1" | 40MPS-SFY100 |
| 1-1/2" | 40MPS-SFY150 |
| 2" | 40MPS-SFY200 |
| 2-1/2" | 40MPS-SFY250 |
| 3" | 40MPS-SFY300 |
| 4" | 40MPS-SFY400 |

**Feature**
- Color code: one white dot

**Approval**
- Meets 21CFR 177.2600



Type 3 - Mesh

M

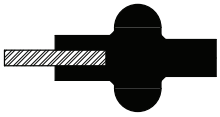
NOTE: For other sizes and configurations, contact Dixon Sanitary at 800.789.1718



GOODYEAR RUBBER PRODUCTS, INC.
727-342-5088
You can also email us at GRP@goodyearrubberproducts.com

## Clamp Perforated Gaskets

### Perforated Clamp Gaskets - .033" holes



Type 3 - Perforated

**Feature**
- Color code: one red dot

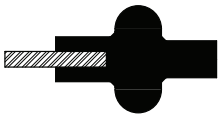
**Material**
- Perforated metal disc 316 stainless steel sheet

**Approval**
- Meets 21CFR 177.2600

| Size | Nitrile Rubber Part # |
|---|---|
| 1" | 40MP-UP100 |
| 1-1/2" | 40MP-UP150 |
| 2" | 40MP-UP200 |
| 2-1/2" | 40MP-UP250 |
| 3" | 40MP-UP300 |
| 4" | 40MP-UP400 |

## Clamp Orifice Gaskets

### Orifuce Clamp Gaskets, .125" hole



Type 3

**Feature**
- Color code: one red dot

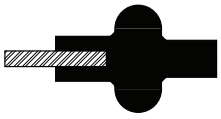
**Material**
- 316 stainless steel sheet

**Approval**
- Meets 21CFR 177.2600

| Size | Nitrile Rubber Part # |
|---|---|
| 1" | A80MP-U100 |
| 1-1/2" | A80MP-U150 |
| 2" | A80MP-U200 |
| 2-1/2" | A80MP-U250 |
| 3" | A80MP-U300 |
| 4" | A80MP-U400 |

### Orifuce Clamp Gaskets, .125" hole





Type 3

**Feature**
- Color code: one white dot

**Material**
- 316 stainless steel sheet

**Approval**
- Meets 21CFR 177.2600

| Size | FKM Part # |
|---|---|
| 1" | A80MP-SFY100 |
| 1-1/2" | A80MP-SFY150 |
| 2" | A80MP-SFY200 |
| 2-1/2" | A80MP-SFY250 |
| 3" | A80MP-SFY300 |
| 4" | A80MP-SFY400 |

NOTE: For other sizes and configurations, contact Dixon Sanitary at 800.789.1718

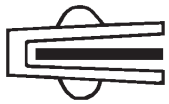
# Clamp Envelope Gaskets

## Envelope Clamp Gaskets with EPDM Filler

| Size | PTFE Part # |
|---|---|
| 1/2" | 42MP-GRE50 |
| 3/4" | 42MP-GRE75 |
| 1" | 40MP-GRE100 |
| 1-1/2" | 40MP-GRE150 |
| 2" | 40MP-GRE200 |
| 2-1/2" | 40MP-GRE250 |
| 3" | 40MP-GRE300 |
| 4" | 40MP-GRE400 |
| 6" | 40MP-GRE600 |
| 8" | 40MP-GRE800 |

**Features**
- Color code: usually not marked
- Peroxide cured EPDM

**Approvals**
- Meets 21CFR 177.1550
- PTFE Passed U.S.P. Class VI Cytotoxicity testing

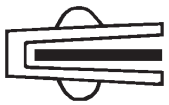


## Envelope Clamp Gaskets with FKM Filler

| Size | PTFE Part # |
|---|---|
| 1/2" | 42MP-GR50 |
| 3/4" | 42MP-GR75 |
| 1" | 40MP-GR100 |
| 1-1/2" | 40MP-GR150 |
| 2" | 40MP-GR200 |
| 2-1/2" | 40MP-GR250 |
| 3" | 40MP-GR300 |
| 4" | 40MP-GR400 |
| 6" | 40MP-GR600 |
| 8" | 40MP-GR800 |

**Features**
- Color code: usually not marked
- Peroxide cured FKM

**Approvals**
- Meets 21CFR 177.1550
- PTFE Passed U.S.P. Class VI Cytotoxicity testing

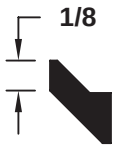


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NOTE: PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration, and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.

# Bevel Seat Gaskets

## Bevel Seat Gaskets - Black




**Feature**
- Color code: one red dot

**Approval**
- Meets 21CFR 177.2600

| Size | Nitrile Rubber Part # |
|---|---|
| 1" | 40BS-O100 |
| 1-1/2" | 40BS-O150 |
| 2" | 40BS-O200 |
| 2-1/2" | 40BS-O250 |
| 3" | 40BS-O300 |
| 4" | 40BS-O400 |

## Flat Bevel Seat Gaskets - Black

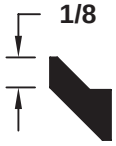


**Feature**
- Color code: one red dot

**Approval**
- Meets 21CFR 177.2600

| Size | Nitrile Rubber Part # |
|---|---|
| 1" | 40BS-F100 |
| 1-1/2" | 40BS-F150 |
| 2" | 40BS-F200 |
| 2-1/2" | 40BS-F250 |
| 3" | 40BS-F300 |
| 4" | 40BS-F400 |

## Bevel Seat Gaskets - Black

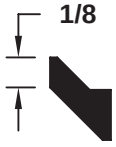



**Features**
- Color code: three green dots
- Peroxide cured

**Approvals**
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

| Size | EPDM Part # |
|---|---|
| 1" | 40BS-E100 |
| 1-1/2" | 40BS-E150 |
| 2" | 40BS-E200 |
| 2-1/2" | 40BS-E250 |
| 3" | 40BS-E300 |
| 4" | 40BS-E400 |

## Bevel Seat Gaskets - Black




**Features**
- Color code: one white dot and one yellow dot
- Peroxide cured

**Approvals**
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

| Size | FKM Part # |
|---|---|
| 1" | 40BS-Y100 |
| 1-1/2" | 40BS-Y150 |
| 2" | 40BS-Y200 |
| 2-1/2" | 40BS-Y250 |
| 3" | 40BS-Y300 |
| 4" | 40BS-Y400 |

NOTE: PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.



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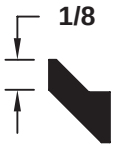
# Bevel Seat Gaskets

## Bevel Seat Gaskets - White

| Size | Silicone Part # |
|---|---|
| 1" | 40BS-X100 |
| 1-1/2" | 40BS-X150 |
| 2" | 40BS-X200 |
| 2-1/2" | 40BS-X250 |
| 3" | 40BS-X300 |
| 4" | 40BS-X400 |

**Features**
- Color code: no dot
- Peroxide cured

**Approvals**
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

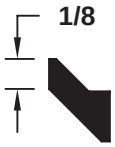



## Bevel Seat Gaskets - White

| Size | PTFE Part # |
|---|---|
| 1" | 40BS-S100 |
| 1-1/2" | 40BS-S150 |
| 2" | 40BS-S200 |
| 2-1/2" | 40BS-S250 |
| 3" | 40BS-S300 |
| 4" | 40BS-S400 |

**Feature**
- Color code: no dot

**Approvals**
- Meets 21CFR 177.1550
- Passed U.S.P. Class VI Cytotoxicity testing



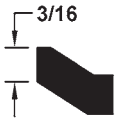

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## Bevel Seat Gaskets - White

| Size | Heavy PTFE Part # |
|---|---|
| 1" | 40BS-H100 |
| 1-1/2" | 40BS-H150 |
| 2" | 40BS-H200 |
| 2-1/2" | 40BS-H250 |
| 3" | 40BS-H300 |
| 4" | 40BS-H400 |

**Feature**
- Color code: no dot

**Approvals**
- Meets 21CFR 177.1550
- Passed U.S.P. Class VI Cytotoxicity testing




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# I-Line Gaskets

## I-Line Gaskets - Black 3/32"



**Feature**
- Color code: one red dot

**Approval**
- Meets 21CFR 177.2600

| Size | Nitrile Rubber Part # |
|---|---|
| 1" | 40IH100 |
| 1-1/2" | 40IH150 |
| 2" | 40IH200 |
| 2-1/2" | 40IH250 |
| 3" | 40IH300 |
| 4" | 40IH400 |
| 6" | 40IH600 |
| 8" | 40IH800 |

## I-Line Gaskets - White 3/32"



**Features**
- Color code: three green dots
- Peroxide cured

**Approvals**
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

| Size | EPDM Part # |
|---|---|
| 1" | 40IE100 |
| 1-1/2" | 40IE150 |
| 2" | 40IE200 |
| 2-1/2" | 40IE250 |
| 3" | 40IE300 |
| 4" | 40IE400 |
| 6" | 40IE600 |
| 8" | 40IE800 |

## I-Line Gaskets - White 1/16"



**Features**
- Color code: three green dots
- Peroxide cured

**Approvals**
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

| Size | EPDM Part # |
|---|---|
| 1-1/2" | 40IE15016 |
| 2" | 40IE20016 |
| 2-1/2" | 40IE25016 |
| 3" | 40IE30016 |
| 4" | 40IE40016 |
| 6" | 40IE60016 |
| 8" | 40IE80016 |

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## I-Line Gaskets - 1/16"



**Features**
- Color code: one white dot and one yellow dot
- Peroxide cured

**Approvals**
- Meets 21CFR 177.1550
- Passed U.S.P. Class VI Cytotoxicity testing

| Size | FKM Part # |
|---|---|
| 1" | 40IV10016 |
| 1-1/2" | 40IV15016 |
| 2" | 40IV20016 |
| 2-1/2" | 40IV25016 |
| 3" | 40IV30016 |
| 4" | 40IV40016 |
| 6" | 40IV60016 |
| 8" | 40IV80016 |

## I-Line Gaskets - 3/32"



**Features**
- Color code: one white dot and one yellow dot
- Peroxide cured

**Approvals**
- Meets 21CFR 177.1550
- Passed U.S.P. Class VI Cytotoxicity testing

| Size | FKM Part # |
|---|---|
| 1" | 40IV100 |
| 1-1/2" | 40IV150 |
| 2" | 40IV200 |
| 2-1/2" | 40IV250 |
| 3" | 40IV300 |
| 4" | 40IV400 |
| 6" | 40IV600 |
| 8" | 40IV800 |

# I-Line Gaskets

## I-Line Gaskets - 1/16"

| Size | PTFE Part # |
|---|---|
| 1" | 40IT100 |
| 1-1/2" | 40IT150 |
| 2" | 40IT200 |
| 2-1/2" | 40IT250 |
| 3" | 40IT300 |
| 4" | 40IT400 |
| 6" | 40IT600 |
| 8" | 40IT800 |

**Feature**
- Color code: no dot

**Approvals**
- Meets 21CFR 177.1550
- Passed U.S.P. Class VI Cytotoxicity testing



PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.

# Q-Line Gaskets

## Q-Line Gaskets - Black

| Size | Nitrile Rubber Part # |
|---|---|
| 1" | 40QH100 |
| 1-1/2" | 40QH150 |
| 2" | 40QH200 |
| 2-1/2" | 40QH250 |
| 3" | 40QH300 |
| 4" | 40QH400 |

**Feature**
- Color code: one red dot

**Approval**
- Meets 21CFR 177.2600



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## Q-Line Gaskets - White

| Size | PTFE Part # |
|---|---|
| 1" | 40QT100 |
| 1-1/2" | 40QT150 |
| 2" | 40QT200 |
| 2-1/2" | 40QT250 |
| 3" | 40QT300 |
| 4" | 40QT400 |

**Feature**
- Color code: no dot

**Approvals**
- Meets 21CFR 177.1550
- Passed U.S.P. Class VI Cytotoxicity testing



PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration, and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.

# John Perry Gaskets

## John Perry Gaskets



**Feature**
- Color code: one red dot

**Approval**
- Meets 21CFR 177.2600

| Size | Nitrile Rubber 80 Duro Part # |
|---|---|
| 1" | 40JP-U100 |
| 1-1/2" | 40JP-U150 |
| 2" | 40JP-U200 |
| 2-1/2" | 40JP-U250 |
| 3" | 40JP-U300 |
| 4" | 40JP-U400 |

## John Perry Gaskets



**Features**
- Color code: three green dots
- Peroxide cured

**Approvals**
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

| Size | EPDM Part # |
|---|---|
| 1" | 40JP-E100 |
| 1-1/2" | 40JP-E150 |
| 2" | 40JP-E200 |
| 2-1/2" | 40JP-E250 |
| 3" | 40JP-E300 |
| 4" | 40JP-E400 |

# John Perry Gaskets

## John Perry Gaskets

**Features**
- Color code: one white dot and one yellow dot
- Peroxide cured

**Approvals**
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

| Size | FKM Part # |
|---|---|
| 1" | 40JP-SFY100 |
| 1-1/2" | 40JP-SFY150 |
| 2" | 40JP-SFY200 |
| 2-1/2" | 40JP-SFY250 |
| 3" | 40JP-SFY300 |
| 4" | 40JP-SFY400 |

## John Perry Gaskets

**Feature**
- Color code: no dot

**Approvals**
- Meets 21CFR 177.1550
- Passed U.S.P. Class VI Cytotoxicity testing

| Size | Virgin PTFE Part # |
|---|---|
| 1" | 40JP-G100 |
| 1-1/2" | 40JP-G150 |
| 2" | 40JP-G200 |
| 2-1/2" | 40JP-G250 |
| 3" | 40JP-G300 |
| 4" | 40JP-G400 |

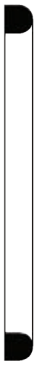
PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.



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# European Fittings - Gaskets

## DIN Euro Gaskets - Black



**Feature**
- Color code: one red dot

**Specification**
- DIN 11851

**Approval**
- Meets 21CFR 177.2600

| Nominal Size | I.D. (mm) | O.D. (mm) | Nitrile Rubber Part # |
|---|---|---|---|
| 1" | 29.97 | 39.88 | 40MP-U100DIN |
| 1-1/2" | 41.91 | 52.07 | 40MP-U150DIN |
| 2" | 54.10 | 64.01 | 40MP-U200DIN |
| 2-1/2" | 71.12 | 81.03 | 40MP-U250DIN |
| 3" | 85.09 | 95.00 | 40MP-U300DIN |
| 4" | 103.89 | 114.05 | 40MP-U400DIN |

## SMS Euro Gaskets - Black



**Features**
- Color code: one red dot
- L-style

**Approval**
- Meets 21CFR 177.2600

| Nominal Size | I.D. (mm) | O.D. (mm) | Nitrile Rubber Part # |
|---|---|---|---|
| 1" | 24.89 | 32.00 | 40MP-U100SMS |
| 1-1/2" | 37.49 | 48.00 | 40MP-U150SMS |
| 2" | 50.80 | 61.00 | 40MP-U200SMS |
| 2-1/2" | 63.50 | 73.40 | 40MP-U250SMS |
| 3" | 75.95 | 86.10 | 40MP-U300SMS |
| 4" | 103.89 | 114.00 | 40MP-U400SMS |

## RJT Nitrile Rubber Euro Gaskets - Black



**Feature**
- Color code: one red dot

**Approval**
- Meets 21CFR 177.2600

| Nominal Size | I.D. (mm) | O.D. (mm) | Nitrile Rubber Part # |
|---|---|---|---|
| 1" | 26.92 | 6.35 | 40MP-U100RJT |
| 1-1/2" | 39.62 | 6.35 | 40MP-U150RJT |
| 2" | 52.32 | 6.35 | 40MP-U200RJT |
| 2-1/2" | 65.08 | 6.35 | 40MP-U250RJT |
| 3" | 77.72 | 6.35 | 40MP-U300RJT |



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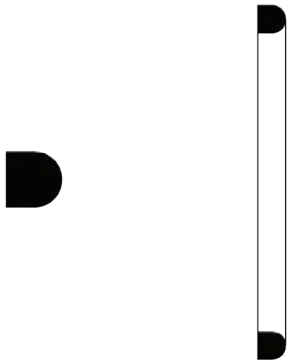
# European Gaskets

## DIN Euro Gaskets - Black

**Feature**
- Color code: three green dots

**Specification**
- DIN 11851

**Approval**
- Meets 21CFR 177.2600



| Nominal Size | I.D. (mm) | O.D. (mm) | EPDM Part # |
|---|---|---|---|
| 1" | 29.97 | 39.88 | 40MP-E100DIN |
| 1-1/2" | 41.91 | 52.07 | 40MP-E150DIN |
| 2" | 54.10 | 64.01 | 40MP-E200DIN |
| 2-1/2" | 71.12 | 81.03 | 40MP-E250DIN |
| 3" | 85.09 | 95.00 | 40MP-E300DIN |
| 4" | 103.89 | 114.05 | 40MP-E400DIN |

## SMS Euro Gaskets - Black

**Features**
- Color code: three green dots
- L-style

**Approval**
- Meets 21CFR 177.2600



| Nominal Size | I.D. (mm) | O.D. (mm) | EPDM Part # |
|---|---|---|---|
| 1" | 24.89 | 32.00 | 40MP-E100SMS |
| 1-1/2" | 37.49 | 48.00 | 40MP-E150SMS |
| 2" | 50.80 | 61.00 | 40MP-E200SMS |
| 2-1/2" | 63.50 | 73.40 | 40MP-E250SMS |
| 3" | 75.95 | 86.10 | 40MP-E300SMS |
| 4" | 103.89 | 114.00 | 40MP-E400SMS |

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## RJT Euro Gaskets - Black

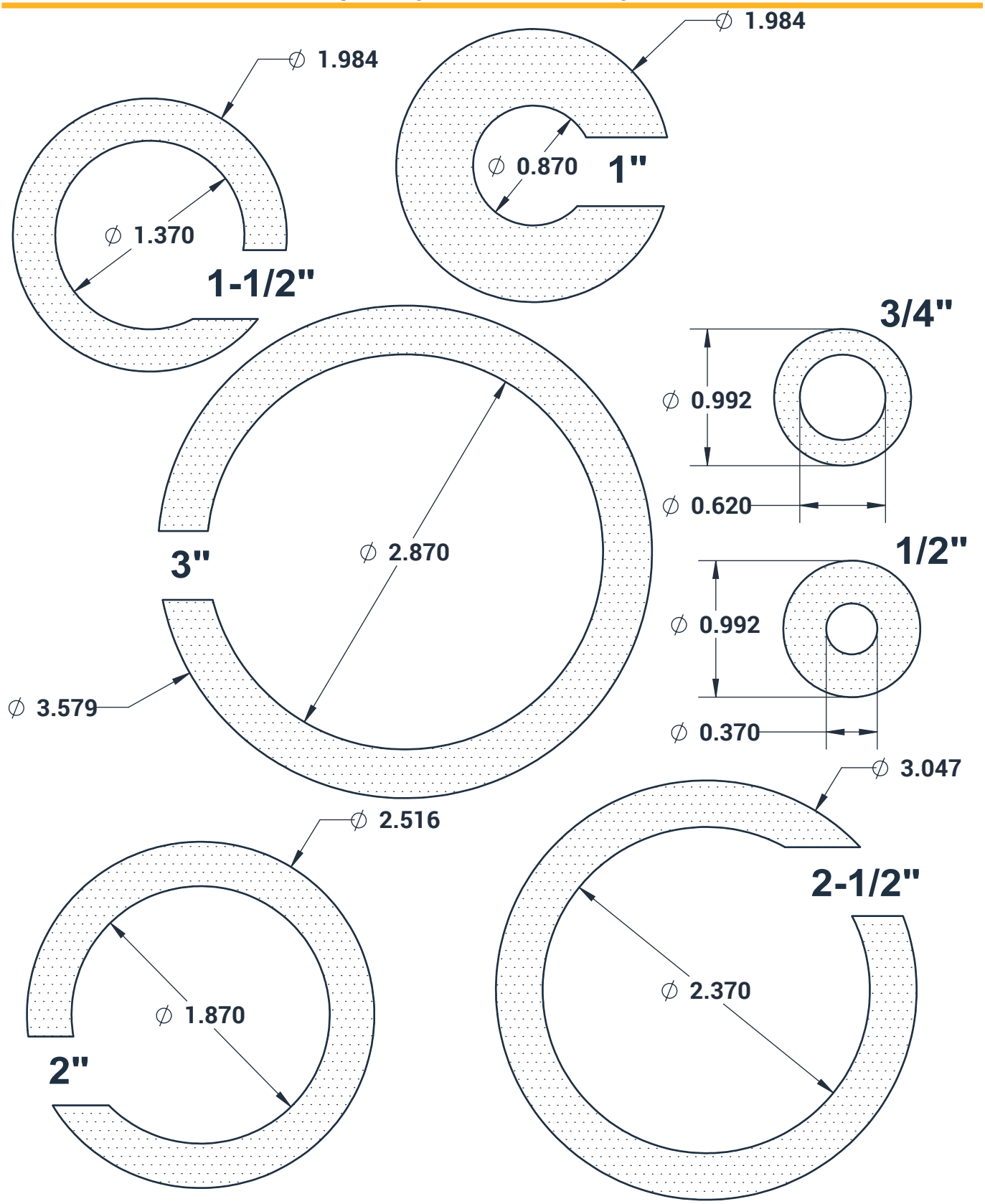
**Feature**
- Color code: three green dots

**Approval**
- Meets 21CFR 177.2600



| Nominal Size | I.D. (mm) | O.D. (mm) | EPDM Part # |
|---|---|---|---|
| 1" | 26.92 | 6.35 | 40MP-E100RJTCIP |
| 1-1/2" | 39.62 | 6.35 | 40MP-E150RJTCIP |
| 2" | 52.32 | 6.35 | 40MP-E200RJTCIP |
| 2-1/2" | 65.08 | 6.35 | 40MP-E250RJTCIP |
| 3" | 77.72 | 6.35 | 40MP-E300RJTCIP |
| 4" | 103.12 | 6.35 | 40MP-E400RJTCIP |

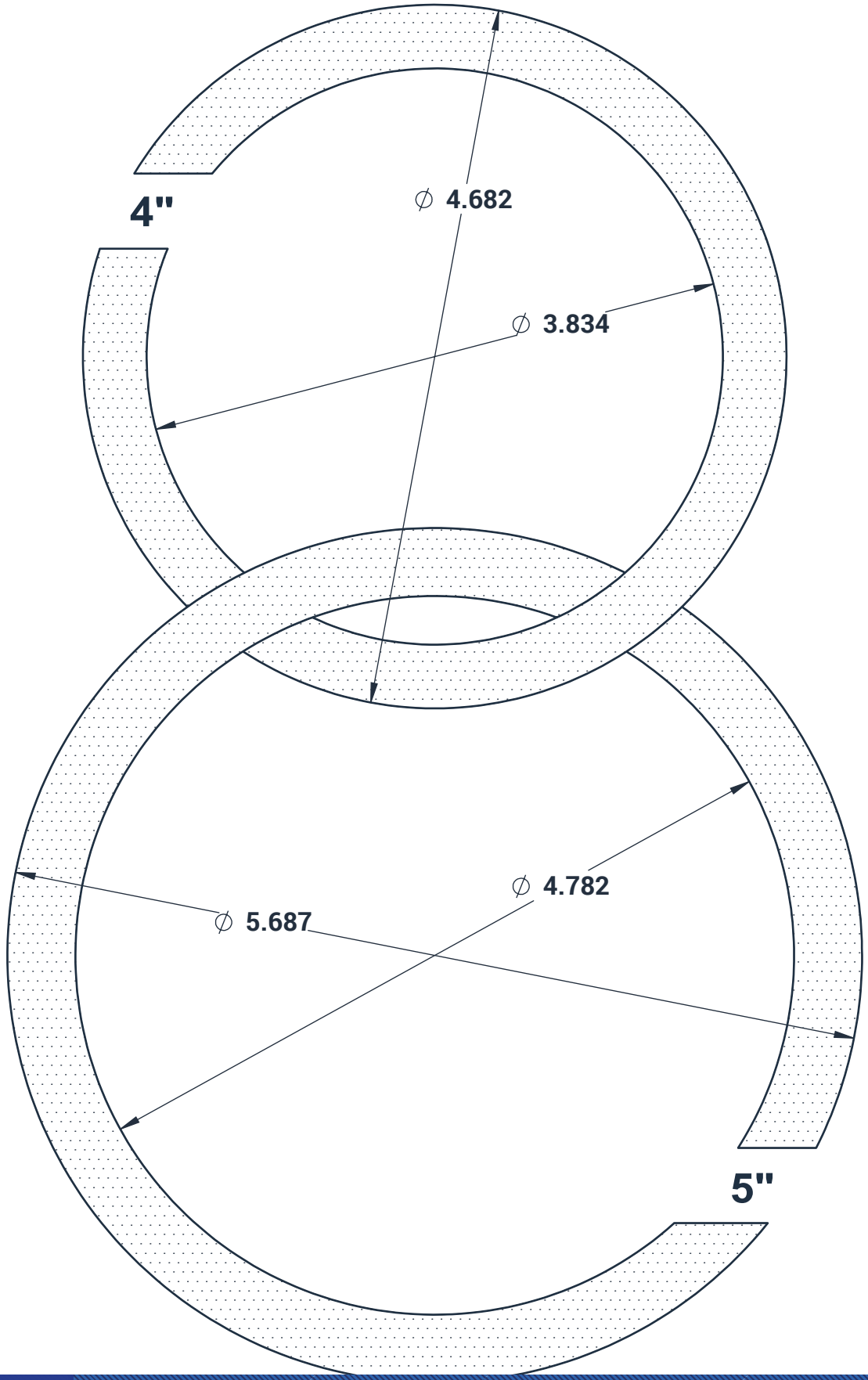
## Clamp Fittings and Gasket Sizing Guide



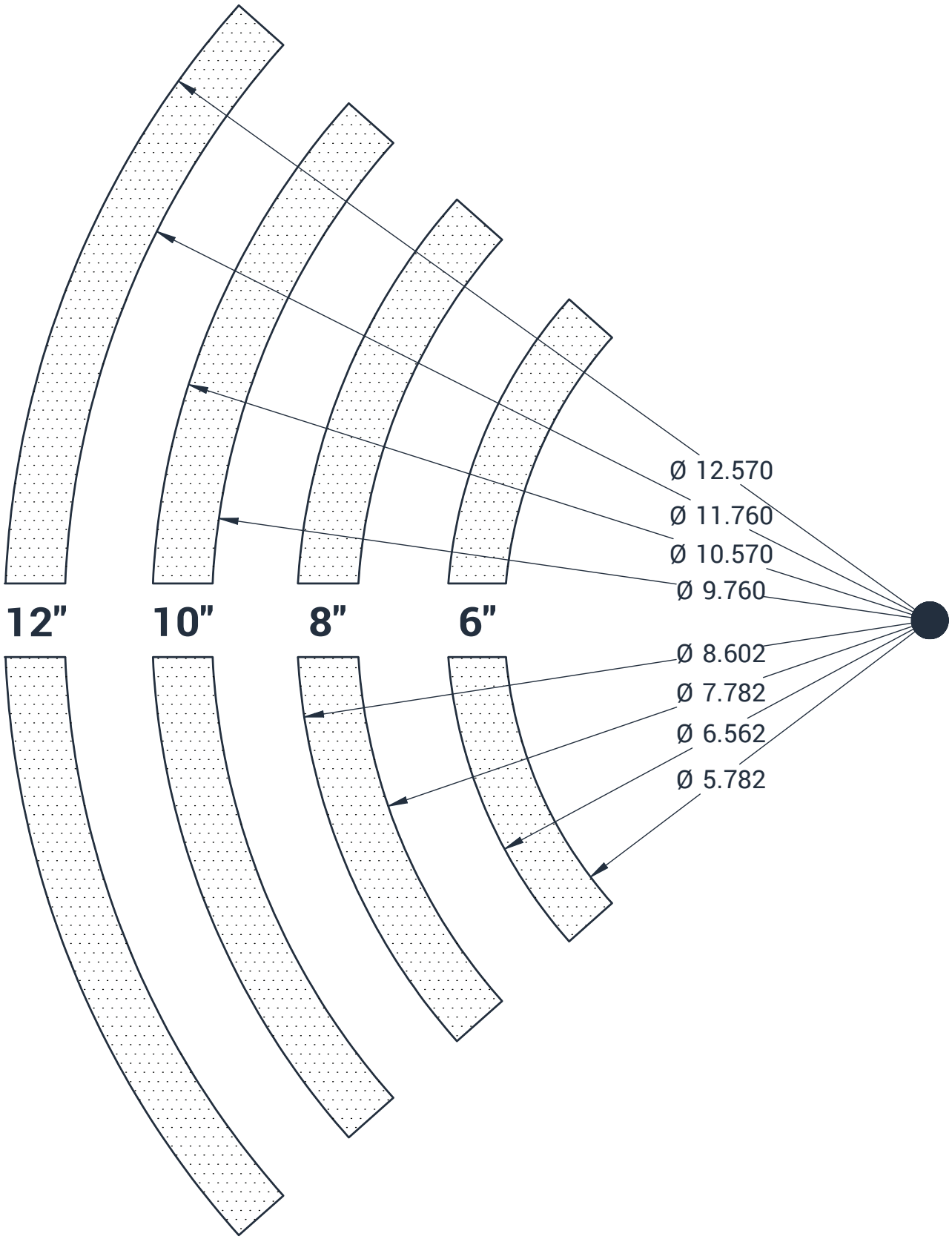

| Sanitary Size | O.D. of Clamp End (in) | I.D. of Fitting (in) |
|---|---|---|
| 1/2" | 0.992 | 0.370 |
| 3/4" | 0.992 | 0.620 |
| 1" | 1.984 | 0.870 |
| 1-1/2" | 1.984 | 1.370 |

| Sanitary Size | O.D. of Clamp End (in) | I.D. of Fitting (in) |
|---|---|---|
| 3" | 3.579 | 2.870 |
| 4" | 4.682 | 3.834 |
| 6" | 6.562 | 5.782 |
| 8" | 8.602 | 7.782 |

# Clamp Fittings and Gasket Sizing Guide



## Clamp Fittings and Gasket Sizing Guide



# Dixon Sanitary Tubing

3A 33-03
331



| Tube O.D. | Nominal Wall Thickness (inches) | Gage Number | Wt. Pounds per Ft. |
|---|---|---|---|
| 1/2" | .065 | 16 | 0.31 |
| 3/4" | .065 | 16 | 0.49 |
| 1" | .065 | 16 | 0.67 |
| 1-1/2" | .065 | 16 | 1.02 |
| 2" | .065 | 16 | 1.36 |
| 2-1/2" | .065 | 16 | 1.71 |
| 3" | .065 | 16 | 2.06 |
| 4" | .083 | 14 | 3.45 |
| 6" | .109 | 12 | 6.92 |

**Size**
- 1/2" - 6" O.D. tube

**Materials**
- G = 304L stainless steel
- R = 316L stainless steel
- 3A sanitary finish I.D. and O.D.; Typical 32$R_a$
- Unpolished
- BPE finishes:
  - SF1: 20Ra I.D., 32Ra O.D.
  - SF4: 15Ra I.D., 32Ra O.D.

- Surcharges change MONTHLY
- Tubing available in 20' lengths only
- Broken box charges apply
- Tubing only ships via truck
- Tubing is NOT returnable
- Call Dixon Sanitary at 800.789.1718 for pricing, full freight allowance, and other sizes available

## Operating Pressures

304L Stainless Steel Tube

| Tube O.D. | Nominal Wall Thickness (in) | Pressure (PSI) | | |
|---|---|---|---|---|
| | | Working | Yield | Burst |
| 1/2" | .065 | **4,870** | **7,800** | **19,500** |
| 3/4" | .065 | **3,250** | **5,200** | **13,000** |
| 1" | .065 | **2,440** | **3,900** | **9,800** |
| 1-1/2" | .065 | **1,630** | **2,600** | **6,500** |
| 2" | .065 | **1,220** | **2,000** | **4,900** |
| 2-1/2" | .065 | **980** | **1,600** | **3,900** |
| 3" | .065 | **810** | **1,300** | **3,300** |
| 4" | .083 | **780** | **1,200** | **3,100** |
| 6" | .109 | **680** | **1,090** | **2,720** |

The pressures shown in the table above are calculated using Barlow's Formula and the following properties:
- Material: 304L stainless steel
- Yield strength (**PSI**): **30,000**
- Tensile strength (**PSI**): **75,000**

Working Pressure = 1/4 of Burst Pressure, these calculate from **-20°F** to **100°F (-29°C** to **38°C)**.

316L Stainless Steel Tube

| Tube O.D. | Nominal Wall Thickness (in) | Pressure (PSI) | | |
|---|---|---|---|---|
| | | Working | Yield | Burst |
| 1/2" | .065 | **3,250** | **6,500** | **19,500** |
| 3/4" | .065 | **2,167** | **4,330** | **13,000** |
| 1" | .065 | **2,280** | **3,300** | **9,100** |
| 1-1/2" | .065 | **1,520** | **2,200** | **6,100** |
| 2" | .065 | **1,140** | **1,600** | **4,600** |
| 2-1/2" | .065 | **910** | **1,300** | **3,600** |
| 3" | .065 | **760** | **1,100** | **3,000** |
| 4" | .083 | **730** | **1,000** | **2,900** |
| 6" | .109 | **635** | **900** | **2,540** |

The pressures shown in the table above are calculated using Barlow's Formula and the following properties:
- Material: 316L stainless steel
- Yield strength (**PSI**): **25,000**
- Tensile strength (**PSI**): **70,000**

Working Pressure = 1/4 of Burst Pressure, these calculate from **-20°F** to **100°F (-29°C** to **38°C)**.

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GOODYEAR RUBBER PRODUCTS, INC.
727-342-5088
You can also email us at GRP@goodyearrubberproducts.com

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## ASTM-A270 Polished I.D. and O.D. Tubing

### 3A Food Grade

**Feature**
- ASTM-A270-02 welded austenitic stainless steel sanitary tubing



| Size | Nominal Wall Thickness (in) | Box Quantity/ Sticks | Tubing Type | 304L Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/2" | 0.065 | 100' / 5 | Seamless | A270-R50P | -- |
| 3/4" | 0.065 | 100' / 5 | Seamless | A270-R75P | -- |
| 1" | 0.065 | 280' / 14 | Laser Weld | A270-R100P | A270-G100P |
| 1-1/2" | 0.065 | 340' / 17 | Laser Weld | A270-R150P | A270-G150P |
| 2" | 0.065 | 340' / 17 | Laser Weld | A270-R200P | A270-G200P |
| 2-1/2" | 0.065 | 220' / 11 | Laser Weld | A270-R250P | A270-G250P |
| 3" | 0.065 | 220' / 11 | Laser Weld | A270-R300P | A270-G300P |
| 4" | 0.065 | 100' / 5 | Laser Weld | -- | A270.065-G400P |
| 4" | 0.083 | 100' / 5 | Laser Weld | A270.083-R400P | A270.083-G400P |
| 5" | 0.083 | 40' / 2 | Passivated Laser Weld | -- | A270.083-G500P |
| 6" | 0.083 | 40' / 2 | Passivated Laser Weld | -- | A270.083-G600P |
| 6" | 0.109 | 40' / 2 | Passivated Laser Weld | A270.109-R600P | A270.109-G600P |
| 8" | 0.109 | 40' / 2 | Passivated Laser Weld | A270-R800P | A270-G800P |

## ASTM-A269 Unpolished I.D. and O.D. Tubing

### General Service - for Winery / Cannery Applications

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**Feature**
- ASTM-A269-02 welded austenitic stainless steel sanitary tubing for general service



| Size | Nominal Wall Thickness (in) | Box Quantity/ Sticks | Tubing Type | 304L Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| 1" | 0.065 | 280' / 14 | Laser Weld | A269-R100U | A269-G100U |
| 1-1/2" | 0.065 | 340' / 17 | Laser Weld | A269-R150U | A269-G150U |
| 2" | 0.065 | 340' / 17 | Laser Weld | A269-R200U | A269-G200U |
| 2-1/2" | 0.065 | 220' / 11 | Laser Weld | A269-R250U | A269-G250U |
| 3" | 0.065 | 220' / 11 | Laser Weld | A269-R300U | A269-G300U |
| 4" | 0.065 | 100' / 5 | Laser Weld | -- | A269.065-G400U |
| 4" | 0.083 | 100' / 5 | Laser Weld | A269.083-R400U | A269.083-G400U |
| 5" | 0.083 | 40' / 2 | Passivated Laser Weld | -- | A269.083-G500U |
| 6" | 0.083 | 40' / 2 | Passivated Laser Weld | -- | A269.083-G600U |
| 6" | 0.109 | 40' / 2 | Passivated Laser Weld | A269.109-R600U | A269.109-G600U |
| 8" | 0.109 | 40' / 2 | Passivated Laser Weld | A269-R800U | A269-G800U |

# ASTM-A270 BPE Polished I.D. and O.D. Polished Tubing

## 316L BPE-Pharmaceutical Grade (Stenciled According to BPE)

**Feature**
- ASTM-A270-S2 laser welded tubing

| Size | Nominal Wall Thickness (in) | Box Quantity/ Sticks | Tubing Type | Surface Finish | |
|---|---|---|---|---|---|
| | | | | SF1 | SF4 |
| 1/2" | 0.065 | 100' / 5 | Seamless | A270-R050PL | A270-050PM |
| 3/4" | 0.065 | 100' / 5 | Seamless | A270-R075PL | A270-075PM |
| 1" | 0.065 | 280' / 14 | Laser Weld | A270-R100PL | A270-100PM |
| 1-1/2" | 0.065 | 340' / 17 | Laser Weld | A270-R150PL | A270-150PM |
| 2" | 0.065 | 340' / 17 | Laser Weld | A270-R200PL | A270-200PM |
| 2-1/2" | 0.065 | 220' / 11 | Laser Weld | A270-R250PL | A270-250PM |
| 3" | 0.065 | 220' / 11 | Laser Weld | A270-R300PL | A270-300PM |
| 4" | 0.083 | 100' / 5 | Laser Weld | A270-R400PL | A270-400PM |
| 6" | 0.109 | 40' / 2 | Passivated Laser Weld | A270-R600PL | A270-600PM |



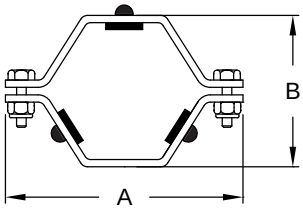
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PM Finish - Mechanical Polish - 20Ra max I.D., 32Ra max O.D.
PL Finish- Electropolish - 15Ra max I.D., 32Ra max O.D.

# Tube Hex Hangers

## Hex Hanger with Rubber Grommets - B24RG






**Specifications**

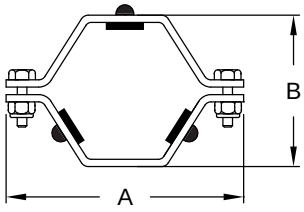
- All hex and round style hangers can be equipped with the following coupler options:
  - 3/8" NPT
  - all thread: 3/8"-16 or 1/2"-13
- Rubber grommets maximum temperature: **230°F (110°C)**

| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1/2" | 3.38 | 2.13 | B24RG-G50 |
| 3/4" | 3.38 | 2.13 | B24RG-G75 |
| 1" | 3.38 | 2.13 | B24RG-G100 |
| 1-1/2" | 3.75 | 2.13 | B24RG-G150 |
| 2" | 4.44 | 2.63 | B24RG-G200 |
| 2-1/2" | 4.94 | 3.13 | B24RG-G250 |
| 3" | 5.56 | 3.63 | B24RG-G300 |
| 4" | 6.63 | 4.50 | B24RG-G400 |
| 5" | 8.13 | 5.63 | B24RG-G500 |
| 6" | 9.19 | 6.63 | B24RG-G600 |
| 8" | 11.38 | 8.75 | B24RG-G800 |
| 10" | 14.50 | 10.50 | B24RG-G1000 |
| 12" | 16.63 | 12.63 | B24RG-G1200 |

## Hex Hanger with FKM Grommets - B24RGSFY

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**Features**

- All hex and round style hangers can be equipped with the following coupler options:
  - 3/8" NPT
  - all thread: 3/8"-16 or 1/2"-13

**Specification**

- FKM grommets maximum temperature: **392°F (200°C)**

| Tube O.D. | A | B | 304 Stainless Steel Part # |
|---|---|---|---|
| 1/2" | 3.38 | 2.13 | B24RGSFY-G50 |
| 3/4" | 3.38 | 2.13 | B24RGSFY-G75 |
| 1" | 3.38 | 2.13 | B24RGSFY-G100 |
| 1-1/2" | 3.75 | 2.13 | B24RGSFY-G150 |
| 2" | 4.44 | 2.63 | B24RGSFY-G200 |
| 2-1/2" | 4.94 | 3.13 | B24RGSFY-G250 |
| 3" | 5.56 | 3.63 | B24RGSFY-G300 |
| 4" | 6.63 | 4.50 | B24RGSFY-G400 |
| 6" | 9.19 | 6.63 | B24RGSFY-G600 |
| 8" | 11.38 | 8.75 | B24RGSFY-G800 |
| 10" | 14.50 | 10.50 | B24RGSFY-G1000 |
| 12" | 16.63 | 12.63 | B24RGSFY-G1200 |

# Tube Hex Hangers

## Hex Hanger with Rubber Grommets and All Thread Coupler - B24RGC16

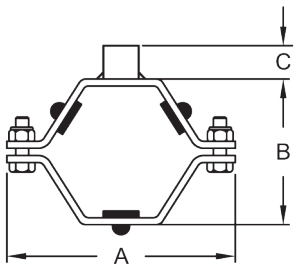
### Features
- Coupler is all thread 3/8"-16
- Optional: 1/2"-13 all thread

### Specification
- Rubber grommets maximum temperature: **230°F (110°C)**

**3/8" NPT**

| Tube O.D. | A (in) | B (in) | C (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" - 3/4" | 3.43 | 1.45 | 0.75 | B24RGC-G75 |
| 1" | 3.43 | 1.45 | 0.75 | B24RGC-G100 |
| 1-1/2" | 4.00 | 2.13 | 0.75 | B24RGC-G150 |
| 2" | 4.50 | 2.50 | 0.75 | B24RGC-G200 |
| 2-1/2" | 4.75 | 1.13 | 0.75 | B24RGC-G250 |
| 3" | 5.50 | 3.75 | 0.75 | B24RGC-G300 |
| 4" | 6.75 | 4.75 | 0.75 | B24RGC-G400 |
| 6" | 9.25 | 6.63 | 0.75 | B24RGC-G600 |
| 8" | 11.50 | 8.63 | 0.75 | B24RGC-G800 |






**1/2"-13**

| Tube O.D. | A (in) | B (in) | C (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" - 3/4" | 3.43 | 1.45 | 0.75 | B24RGC13-G75 |
| 1" | 3.43 | 1.45 | 0.75 | B24RGC13-G100 |
| 1-1/2" | 4.00 | 2.13 | 0.75 | B24RGC13-G150 |
| 2" | 4.50 | 2.50 | 0.75 | B24RGC13-G200 |
| 2-1/2" | 4.75 | 1.13 | 0.75 | B24RGC13-G250 |
| 3" | 5.50 | 3.75 | 0.75 | B24RGC13-G300 |
| 4" | 6.75 | 4.75 | 0.75 | B24RGC13-G400 |
| 6" | 9.25 | 6.63 | 0.75 | B24RGC13-G600 |
| 8" | 11.50 | 8.63 | 0.75 | B24RGC13-G800 |

# Tube Hex Hangers

## Nuts and Bolts - 13NHN

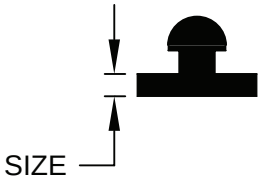


### Features

- All sizes hex hangers with grommets and round hangers 1" to 4" use 13NHN-G100-600 fastener sets
- 1/2" and 3/4" round and sleeved hangers use 13NHN-G75 fastener sets
- (2) nuts and bolts supplied to a set

| Size | Description | 304 Stainless Steel Part # |
|---|---|---|
| 1/2" - 3/4" | 1/4"-20 x 3/4" bolt with nylock nut | 13NHN-G75 |
| 1" - 12" | 5/16"-18 x 1" bolt with nylock nut | 13NHN-G100-600 |

## Grommets - 13RG




### Specifications

- Rubber grommets maximum temperature: **230°F (110°C)**
- High-temp rubber grommets maximum temperature: **392°F (200°C)**

| Size | Rubber Part # | High-Temp Rubber Part # |
|---|---|---|
| 1/8"[1] | 13RG18 | 13RGV18 |
| 1/4" | 13RG14 | 13RGV14 |
| 1/2" | 13RG12 | 13RGV12 |
| 3/8"[2] | 13RG3/8 | 13RGV38 |
| 5/8" | 13RG58 | 13RGV58 |

[1] For 1" hangers and larger
[2] For 1/2" and 3/4" hangers

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# Tube Hex Hangers

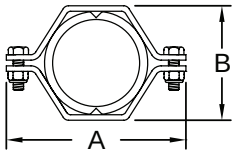
## Hex Hanger with Polypropylene Sleeve - B24PS

**Specification**

- Polypropylene sleeve maximum temperature: **230°F (110°C)**

| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1/2" | 2.80 | 1.15 | B24PS-G50 |
| 3/4" | 2.80 | 1.15 | B24PS-G75 |
| 1" | 3.43 | 1.45 | B24PS-G100 |
| 1-1/2" | 4.00 | 2.13 | B24PS-G150 |
| 2" | 4.50 | 2.50 | B24PS-G200 |
| 2-1/2" | 4.95 | 3.13 | B24PS-G250 |
| 3" | 5.50 | 3.75 | B24PS-G300 |
| 4" | 6.95 | 4.75 | B24PS-G400 |
| 5" | 8.06 | 5.63 | B24PS-G500 |
| 6" | 9.25 | 6.63 | B24PS-G600 |
| 8" | 11.50 | 8.63 | B24PS-G800 |
| 10" | 14.50 | 10.50 | B24PS-G1000 |
| 12" | 16.63 | 13.00 | B24PS-G1200 |






NOTE: Metal detectable options available upon request.

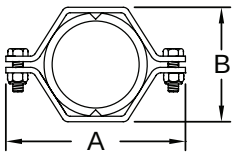
## Hex Hanger with High Temperature Polysulfone Sleeve - B24HS

**Specification**

- High temperature sleeve maximum temperature: **325°F (163°C)**

| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1/2" | 2.38 | 1.06 | B24HS-G50 |
| 3/4" | 2.63 | 1.19 | B24HS-G75 |
| 1" | 2.69 | 1.56 | B24HS-G100 |
| 1-1/2" | 3.63 | 2.13 | B24HS-G150 |
| 2" | 4.63 | 2.63 | B24HS-G200 |
| 2-1/2" | 4.81 | 3.13 | B24HS-G250 |
| 3" | 5.38 | 3.63 | B24HS-G300 |
| 4" | 6.63 | 4.63 | B24HS-G400 |
| 6" | 9.00 | 6.63 | B24HS-G600 |






NOTE: Sleeve must be removed before welding.

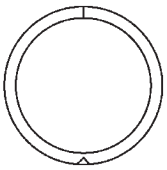
# Tube Hex Hangers



Polypropylene



High Temperature



## Sleeves - 13PS

### Specifications

- Polypropylene sleeve maximum temperature: **230°F (110°C)**
- High-temperature sleeve maximum temperature: **325°F (163°C)**

| Size | Polypropylene Part # | High-Temperature Part # |
|---|---|---|
| 1/2" | 13PS-50 | 13HS-50 |
| 3/4" | 13PS-75 | 13HS-75 |
| 1" | 13PS-100 | 13HS-100 |
| 1-1/2" | 13PS-150 | 13HS-150 |
| 2" | 13PS-200 | 13HS-200 |
| 2-1/2" | 13PS-250 | 13HS-250 |
| 3" | 13PS-300 | 13HS-300 |
| 4" | 13PS-400 | 13HS-400 |
| 5" | 13PS-500 | --- |
| 6" | 13PS-600 | 13HS-600 |
| 8" | 13PS-800 | --- |

NOTE: Metal detectable options available upon request.

## Round Hanger with Nitrile Inserts - B24RPH

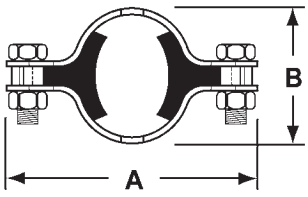


### Features

- All hex and round style hangers can be equipped with the following coupler options: 3/8" NPT or all thread; 3/8"-16 or 1/2"-13 available upon request

### Specification

- Nitrile inserts maximum temperature: **230°F (110°C)**




| Tube O.D. | A (in) | B (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1/2" | 2.75 | 1.13 | B24RPH-G50 |
| 3/4" | 2.75 | 1.13 | B24RPH-G75 |
| 1" | 3.31 | 1.50 | B24RPH-G100 |
| 1-1/2" | 3.81 | 2.00 | B24RPH-G150 |
| 2" | 4.25 | 2.56 | B24RPH-G200 |
| 2-1/2" | 5.00 | 3.00 | B24RPH-G250 |
| 3" | 5.50 | 3.56 | B24RPH-G300 |
| 4" | 6.50 | 4.69 | B24RPH-G400 |

# Tube Block Hangers

## Applications
- Clean rooms and mechanical areas; not limited to: biotech, pharmaceutical, food processing
- Low flow and low pressure systems with moderate vibration: WFI, SIP, CIP, process, utility, and instrument lines



## Sizes
- Support range: 1/2" - 4"; optional 6" - contact Dixon Sanitary at 800.789.1718

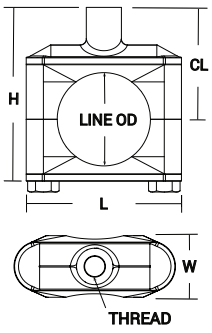
## Materials
- ZERO PUDDLE silicone rubber insert are available with FDA and UL ratings
- Hardware: 304 standard option and 316 stainless steel available upon request

## Features
- Insulation envelope: reduced O.D. allows hanger to be buried under the insulation jacket.
- ZERO PUDDLE silicone inserts raised geometry facilitates drainage of liquids on vertical/riser lines
- There are no exposed threads or openings in hardware plates

## Specification
- Intermittent temperatures from **-40°F** to **320°F (-40°C** to **160°C)**
- Continous temperatures from **-20°** to **285°F (-29°C to** 140°C)

## Approvals
- All plates polished; bolts are cleaned and nuts are lubricated with FDA approved product
- Hanger threads match MSS SP-69 rod O.D. requirements

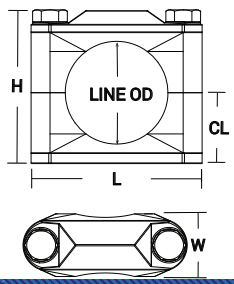





### Hang Plate Block Hangers - B24-HP

| Tube O.D. | Line O.D.(in) | H (in) | L (in) | W (in) | CL (in) | Thread | 304 Stainless Steel Part # |
|---|---|---|---|---|---|---|---|
| 1/2" | .50 | 2.29 | 1.93 | .75 | .63 | 3/8"-16 | B24-HP-G050 |
| 3/4" | .75 | 2.29 | 1.93 | .75 | .63 | 3/8"-16 | B24-HP-G075 |
| 1" | 1.00 | 2.29 | 1.96 | .75 | .63 | 3/8"-16 | B24-HP-G100 |
| 1-1/2" | 1.50 | 2.79 | 2.49 | .75 | .97 | 3/8"-16 | B24-HP-G150 |
| 2" | 2.00 | 3.29 | 2.99 | .88 | 1.25 | 1/2"-13 | B24-HP-G200 |
| 2-1/2" | 2.50 | 4.43 | 3.36 | .88 | 1.47 | 1/2"-13 | B24-HP-G250 |
| 3" | 3.00 | 5.18 | 3.99 | .88 | 1.81 | 1/2"-13 | B24-HP-G300 |
| 4" | 4.00 | 6.24 | 5.10 | 1.00 | 2.28 | 5/8"-11 | B24-HP-G400 |

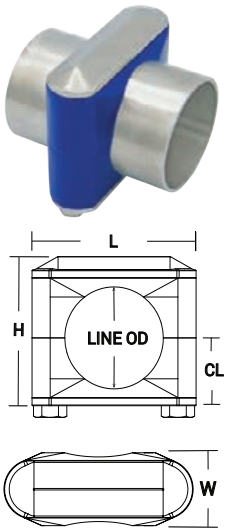





### Weld Plate Block Hangers - B24-WP

| Tube O.D. | Line O.D. (in) | H (in) | L (in) | W (in) | CL (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|---|---|
| 1/2" | .50 | 1.73 | 1.93 | .75 | .79 | B24-WP-G050 |
| 3/4" | .75 | 1.73 | 1.93 | .75 | .79 | B24-WP-G075 |
| 1" | 1.00 | 1.73 | 1.96 | .75 | .79 | B24-WP-G100 |
| 1-1/2" | 1.50 | 2.23 | 2.49 | .75 | 1.03 | B24-WP-G150 |
| 2" | 2.00 | 2.75 | 2.99 | .88 | 1.31 | B24-WP-G200 |
| 2-1/2" | 2.50 | 3.25 | 3.36 | .88 | 1.55 | B24-WP-G250 |
| 3" | 3.00 | 3.97 | 3.99 | .88 | 1.94 | B24-WP-G300 |
| 4" | 4.00 | 4.87 | 5.10 | 1.00 | 2.39 | B24-WP-G400 |

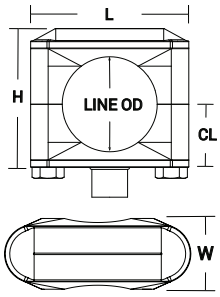
# Tube Uni-Hinge Block Hangers




## Base Mount Block Hangers - B24-BM

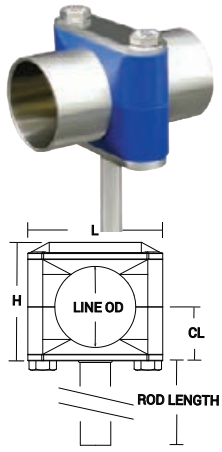
| Tube O.D. | Line O.D. (in) | H (in) | L (in) | W (in) | CL (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|---|---|
| 1/2" | .50 | 1.70 | 1.93 | .75 | .73 | B24-BM-G050 |
| 3/4" | .75 | 1.70 | 1.93 | .75 | .73 | B24-BM-G075 |
| 1" | 1.00 | 1.70 | 1.93 | .75 | .73 | B24-BM-G100 |
| 1-1/2" | 1.50 | 2.19 | 2.49 | .75 | .97 | B24-BM-G150 |
| 2" | 2.00 | 2.69 | 2.99 | .88 | 1.25 | B24-BM-G200 |
| 2-1/2" | 2.50 | 3.19 | 3.36 | .88 | 1.49 | B24-BM-G250 |
| 3" | 3.00 | 3.97 | 3.99 | .88 | 1.85 | B24-BM-G300 |






## Base Mount Block Hanger Threaded Couplings - B24-BMTC

| Tube Size | Line O.D. (in) | H (in) | L (in) | W (in) | CL (in) | Round Coupling | | 304 Stainless Steel Part # |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Height (in) | Thread | |
| 1/2" | .50 | 1.70 | 1.93 | .75 | .73 | .47 | 3/8"-16 | B24-BMTC-G050 |
| 3/4" | .75 | 1.70 | 1.93 | .75 | .73 | .47 | 3/8"-16 | B24-BMTC-G075 |
| 1" | 1.00 | 1.70 | 1.93 | .75 | .73 | .47 | 3/8"-16 | B24-BMTC-G100 |
| 1-1/2" | 1.50 | 2.19 | 2.49 | .75 | .97 | .47 | 3/8"-16 | B24-BMTC-G150 |
| 2" | 2.00 | 2.69 | 2.99 | .88 | 1.25 | .47 | 3/8"-16 | B24-BMTC-G200 |
| 2-1/2" | 2.50 | 3.19 | 3.36 | .88 | 1.49 | .59 | 1/2"-13 | B24-BMTC-G250 |
| 3" | 3.00 | 3.97 | 3.99 | .88 | 1.85 | .59 | 1/2"-13 | B24-BMTC-G300 |



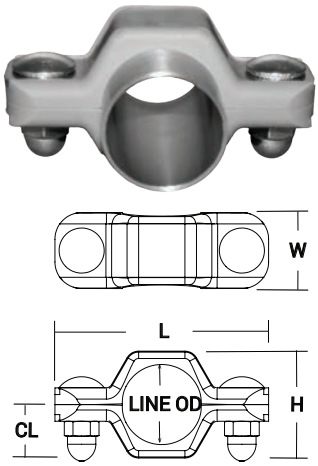

## Base Mount Block Hanger Rod Mounts - B24-BMR6

| Tube Size | Line O.D. (in) | H (in) | L (in) | W (in) | CL (in) | Rod (stock length) | | 304 Stainless Steel Part # |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Length (in) | O.D. | |
| 1/2" | .50 | 1.70 | 1.93 | .75 | .73 | 6.00 | .38 | B24-BMR6-G050 |
| 3/4" | .75 | 1.70 | 1.93 | .75 | .73 | 6.00 | .38 | B24-BMR6-G075 |
| 1" | 1.00 | 1.70 | 1.93 | .75 | .73 | 6.00 | .38 | B24-BMR6-G100 |
| 1-1/2" | 1.50 | 2.19 | 2.49 | .75 | .97 | 6.00 | .38 | B24-BMR6-G150 |
| 2" | 2.00 | 2.69 | 2.99 | .88 | 1.25 | 6.00 | .38 | B24-BMR6-G200 |
| 2-1/2" | 2.50 | 3.19 | 3.36 | .88 | 1.49 | 6.00 | .50 | B24-BMR6-G250 |
| 3" | 3.00 | 3.97 | 3.99 | .88 | 1.85 | 6.00 | .50 | B24-BMR6-G300 |

# Tube Process Hex Hangers

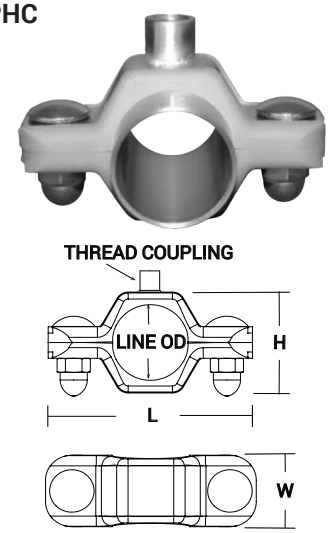
## Process Hex Hanger Weld Mount - B24V-PH

| Tube O.D. | Line O.D. (in) | H (in) | L (in) | W (in) | CL (in) | 304 Stainless Steel With Acorn Nut Part # | 304 Stainless Steel With Lock Nut Part # |
|---|---|---|---|---|---|---|---|
| 1/2" | 0.50 | 1.15 | 2.80 | 1.10 | 0.58 | B24-PH-G050 | B24-PHL-G050 |
| 3/4" | 0.75 | 1.15 | 2.80 | 1.10 | 0.58 | B24-PH-G075 | B24-PHL-G075 |
| 1" | 1.00 | 1.45 | 3.00 | 1.10 | 0.73 | B24-PH-G100 | B24-PHL-G100 |
| 1-1/2" | 1.50 | 1.93 | 4.00 | 1.42 | 0.98 | B24-PH-G150 | B24-PHL-G150 |
| 2" | 2.00 | 2.50 | 4.60 | 1.42 | 1.25 | B24-PH-G200 | B24-PHL-G200 |
| 2-1/2" | 2.50 | 4.00 | 5.10 | 1.42 | 4.00 | B24-PH-G250 | B24-PHL-G250 |
| 3" | 3.00 | 3.50 | 5.60 | 1.42 | 1.75 | B24-PH-G300 | B24-PHL-G300 |
| 4" | 4.00 | 4.55 | 6.75 | 1.42 | 2.28 | B24-PH-G400 | B24-PHL-G400 |



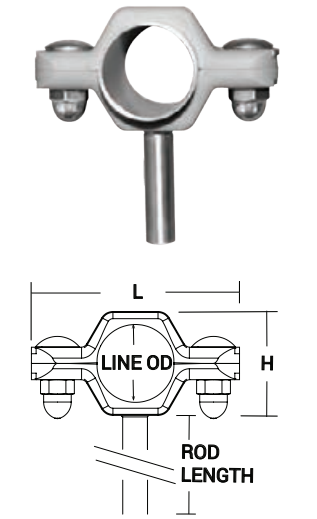

## Process Hex Hanger Weld Mount Threaded Coupling - B24V-PHC

| Tube O.D. | Line O.D. (in) | H (in) | L (in) | W (in) | Rod (stock length) | | 304 Stainless Steel With Acorn Nut Part # | 304 Stainless Steel With Lock Nut Part # |
|---|---|---|---|---|---|---|---|---|
| | | | | | Height (in) | Thread | | |
| 1/2" | 0.50 | 1.15 | 2.80 | 1.10 | 0.47 | 3/8"-16 | B24-PHC-G050 | B24-PHC-PHCL |
| 3/4" | 0.75 | 1.15 | 2.80 | 1.10 | 0.47 | 3/8"-16 | B24-PHC-G075 | B24-PHC-G075 |
| 1" | 1.00 | 1.45 | 3.00 | 1.10 | 0.47 | 3/8"-16 | B24-PHC-G100 | B24-PHCL-G100 |
| 1-1/2" | 1.50 | 1.93 | 4.00 | 1.42 | 0.47 | 3/8"-16 | B24-PHC-G150 | B24-PHCL-G150 |
| 2" | 2.00 | 2.50 | 4.60 | 1.42 | 0.59 | 1/2"-13 | B24-PHC-G200 | B24-PHCL-G200 |
| 2-1/2" | 2.50 | 4.00 | 5.10 | 1.42 | 0.59 | 1/2"-13 | B24-PHC-G250 | B24-PHCL-G250 |
| 3" | 3.00 | 3.50 | 5.60 | 1.42 | 0.59 | 1/2"-13 | B24-PHC-G300 | B24-PHCL-G300 |
| 4" | 4.00 | 4.55 | 6.75 | 1.42 | 0.59 | 1/2"-13 | B24-PHC-G400 | B24-PHCL-G400 |




## Process Hex Hanger Weld Mount Rod Attached - B24V-PHR6

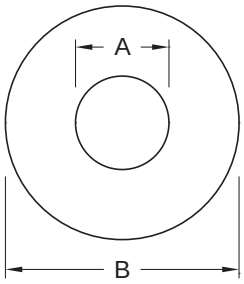
| Tube O.D. | Line O.D. (in) | H (in) | L (in) | W (in) | Rod (stock length) | | 304 Stainless Steel With Acorn Nut Part # | 304 Stainless Steel With Lock Nut Part # |
|---|---|---|---|---|---|---|---|---|
| | | | | | Length (in) | O.D. (in) | | |
| 1/2" | 0.50 | 1.15 | 2.80 | 1.10 | 6 | 0.38 | B24-PHR6-G050 | B24-PHRL-PHR6L |
| 3/4" | 0.75 | 1.15 | 2.80 | 1.10 | 6 | 0.38 | B24-PHR6-G075 | B24-PHRL-G075 |
| 1" | 1.00 | 1.45 | 3.00 | 1.10 | 6 | 0.38 | B24-PHR6-G100 | B24-PHR6L-G100 |
| 1-1/2" | 1.50 | 1.93 | 4.00 | 1.42 | 6 | 0.38 | B24-PHR6-G150 | B24-PHR6L-G150 |
| 2" | 2.00 | 2.50 | 4.60 | 1.42 | 6 | 0.50 | B24-PHR6-G200 | B24-PHR6L-G200 |
| 2-1/2" | 2.50 | 4.00 | 5.10 | 1.42 | 6 | 0.50 | B24-PHR6-G250 | B24-PHR6L-G250 |
| 3" | 3.00 | 3.50 | 5.60 | 1.42 | 6 | 0.50 | B24-PHR6-G300 | B24-PHR6L-G300 |
| 4" | 4.00 | 4.55 | 6.75 | 1.42 | 6 | 0.63 | B24-PHR6-G400 | B24-PHR6L-G400 |



## Wall Flanges

### Flanges - B25



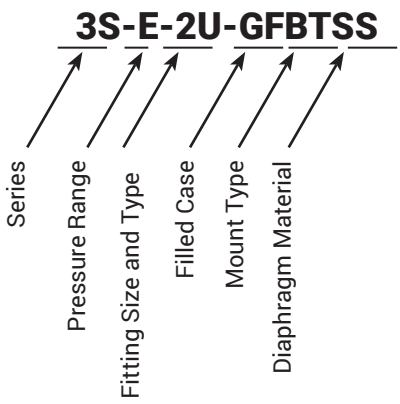



| Tube O.D. | A (in) | B (in) | Wall Thickness (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | .50 | 3.00 | .065 | B25-G050300 |
| | .50 | 5.00 | | B25-G050500 |
| 3/4" | .75 | 3.00 | | B25-G075300 |
| | .75 | 5.00 | | B25-G075500 |
| 1" | 1.00 | 3.00 | | B25-G100300 |
| | 1.00 | 5.00 | | B25-G100500 |
| 1-1/2" | 1.50 | 5.00 | | B25-G150500 |
| 2" | 2.00 | 5.00 | | B25-G200500 |
| 2-1/2" | 2.50 | 5.00 | | B25-G250500 |
| 3" | 3.00 | 6.00 | | B25-G300600 |
| 4" | 4.00 | 7.00 | | B25-G400700 |
| 5" | 5.00 | 8.00 | | B25-G500800 |
| 6" | 6.00 | 10.00 | | B25-G6001000 |
| 8" | 8.00 | 12.00 | | B25-G8001200 |
| 10" | 10.00 | 14.00 | | B25-G10001400 |
| 12" | 12.00 | 16.00 | | B25-G12001600 |

# Dixon Sanitary Gauges

A3 74-07
850

## Model Number Breakdown




### Sizes
- 1-1/2", 2", 2-1/2" or 3"

### Material
- 316L stainless steel

### Features
- Finishes: 3A sanitary
- Finishes: pharmaceutical

## Ordering Information

### Series
**3S**..... 3-1/2" Sanitary pressure gauge
**5S**..... 5" Sanitary pressure gauge
**3P**..... 3-1/2" Pharmaceutical pressure gauge
**5P**..... 5" Pharmaceutical pressure gauge

### Pressure Range[1]
**B**..... **0 to 30 PSI (2 BAR)**
**C**..... **0 to 60 PSI (4 BAR)**
**D**..... **0 to 100 PSI (7 BAR)**
**E**..... **0 to 160 PSI (11 BAR)**
**F**..... **0 to 200 PSI (14 BAR)**
**G**..... **0 to 300 PSI (21 BAR)**
**H**..... **0 to 400 PSI (28 BAR)**
**I**..... **0 to 600 PSI (41 BAR)**
**K**..... **0 to 1,000 PSI (70 BAR)**

[1] Standard scales are in PSI only. For dual scales, add the letter B for PSI/BAR after the pressure range letter.

### Fitting Type[2]
specify size in inches: 15, 2, 25, or 3
**I**..... male I-Line
**J** ..... female I-Line
**R**..... RJT
**S** ..... #15 Bevel Seat sanitary male thread
**T** ..... #13H captive nut and #14 Bevel Seat
**U**..... clamp
**DIN**..... DIN according to DIN 11851 (*specify DIN40 or DIN50*)
**SMS**..... SMS (*specify SMS38 or SMS51*)

[2] Specify size then type, i.e. 1-1/2" - 15

### Filled Case
**GF**..... glycerine filled
**NF** ..... no fill (dry)

### Mount type
**BT**..... bottom
**RT**..... right side
**LF** ..... left side
**TP**..... top
**BK** ..... back

### Diaphragm Material
**SS**..... stainless steel



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3-A 74-07
850

## Sanitary Pressure Gauges



3S-EB-2U-GFBTSS

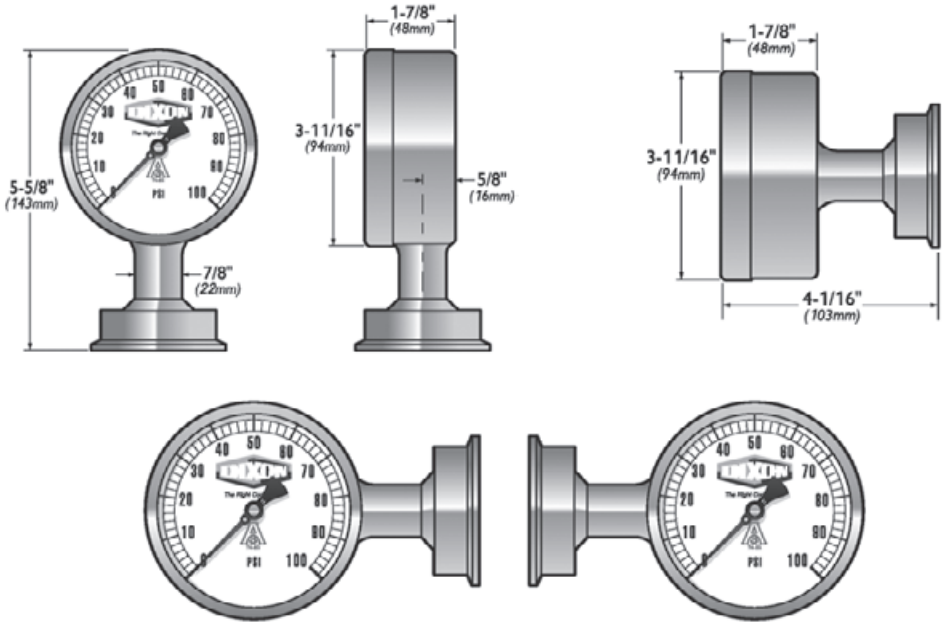
### Sizes
- Dial size: 3-1/2" or 5" diameter

### Materials
- Case: 304 stainless steel
- Lens: polycarbonate

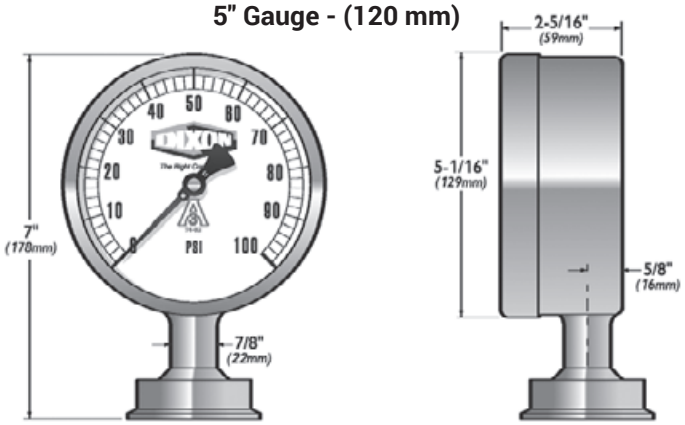
### Features
- Accuracy: ± 1.5% of full scale
- Over range capacity: 30%
- Product contact: 316L stainless steel
- Surface finishes (product contact): Ra max = 25 microinches
- Standard fill: food grade glycerin
- Rezero feature: standard on pointer
- Shipping weight: approximately 3 lbs. (1.3 kg)

### Specification
- Temperature limits: **0°F** to **250°F (-18°C** to **121°C)**

### 3-1/2" Gauge - (90 mm)




### 5" Gauge - (120 mm)




shown with 2" clamp



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# Sanitary Pressure Gauges

3-A 74-07
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| Part # | Dial Size | Pressure Range (PSI) | Clamp Size | Mount |
|---|---|---|---|---|
| 3S-B-15U-GFBTSS | 3-1/2" | 0-30 | 1-1/2" | bottom |
| 3S-C-15U-GFBTSS | | 0-60 | | |
| 3S-D-15U-GFBTSS | | 0-100 | | |
| 3S-E-15U-GFBTSS | | 0-160 | | |
| 3S-F-15U-GFBTSS | | 0-200 | | |
| 3S-G-15U-GFBTSS | | 0-300 | | |
| 3S-B-15U-GFBKSS | | 0-30 | | back |
| 3S-C-15U-GFBKSS | | 0-60 | | |
| 3S-D-15U-GFBKSS | | 0-100 | | |
| 3S-E-15U-GFBKSS | | 0-160 | | |
| 3S-F-15U-GFBKSS | | 0-200 | | |
| 3S-G-15U-GFBKSS | | 0-300 | | |
| 3S-B-2U-GFBTSS | | 0-30 | 2" | bottom |
| 3S-C-2U-GFBTSS | | 0-60 | | |
| 3S-D-2U-GFBTSS | | 0-100 | | |
| 3S-E-2U-GFBTSS | | 0-160 | | |
| 3S-F-2U-GFBTSS | | 0-200 | | |
| 3S-G-2U-GFBTSS | | 0-300 | | |
| 3S-B-2U-GFBKSS | | 0-30 | | back |
| 3S-C-2U-GFBKSS | | 0-60 | | |
| 3S-D-2U-GFBKSS | | 0-100 | | |
| 3S-E-2U-GFBKSS | | 0-160 | | |
| 3S-F-2U-GFBKSS | | 0-200 | | |
| 3S-G-2U-GFBKSS | | 0-300 | | |



Product not returnable and no cancellations.

74-07
850

## Pharmaceutical Pressure Gauges



3P-D-15U-GFBT

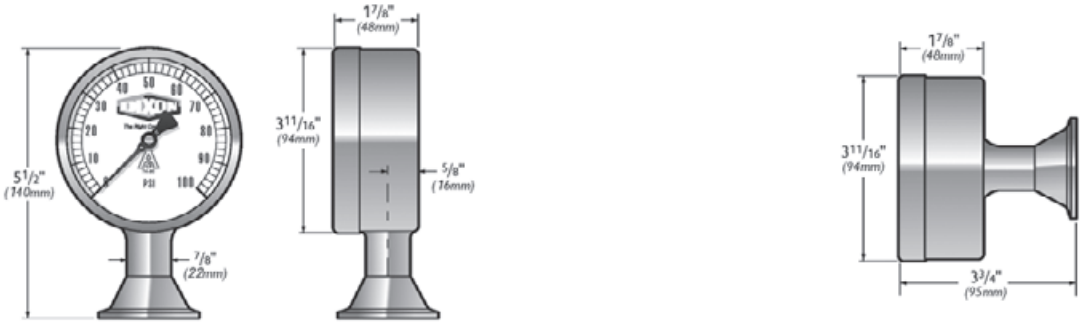
### Sizes
- Dial size: 3-1/2" or 5" diameter

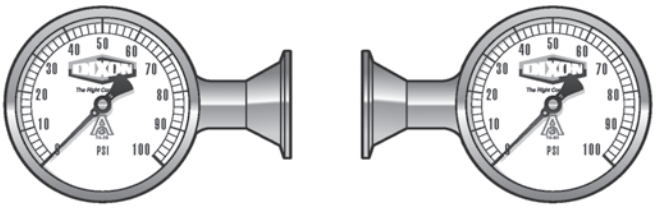
### Materials
- Lens: polycarbonate
- Case: 304 stainless steel

### Features
- Accuracy: ± 0.75% of full scale
- Over range capacity: 30%
- Product contact: 316L stainless steel
- Surface finishes (product contact): Ra max = 8 microinches
- Standard fill: food grade glycerin
- Rezero feature: standard on pointer
- Shipping weight: approximately 3 lbs. (1.3 kg)

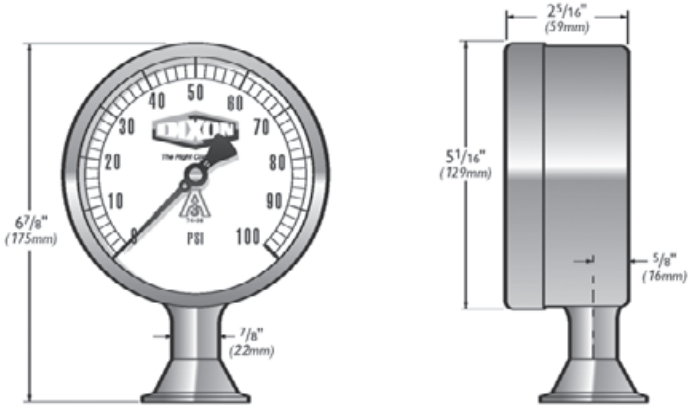
### Specification
- Temperature limits: **0°F** to **250°F (-18°C** to **121°C)**

**3-1/2" Gauge - (90 mm)**




**5" Gauge - (120 mm)**




M

# Homogenizer Pressure Gauges

### Size
- Dial size: 5"

### Features
- Lexan® lens virtually impervious to cracks and breakage
- Unique pulsation dampening system insulates the gauge movement from the punishing pulsations of a homogenizer
- Glycerine fill standard
- Waterproof construction
- CIP certified
- True zero with re-zero standard

### Materials
- Product contact: 316L stainless steel
- Case: 304 stainless steel
- Lens: Lexan®

### Specifications
- Ranges up to **15,000 PSI**
- Maximum temperature: **250°F (121°C)**



**Model Number Breakdown**

**5H - V - 03**

Series | Pressure Range | Flange

## Ordering Information

### Series
**5H** ..... 5" Sani-Flow homogenizer pressure gauge

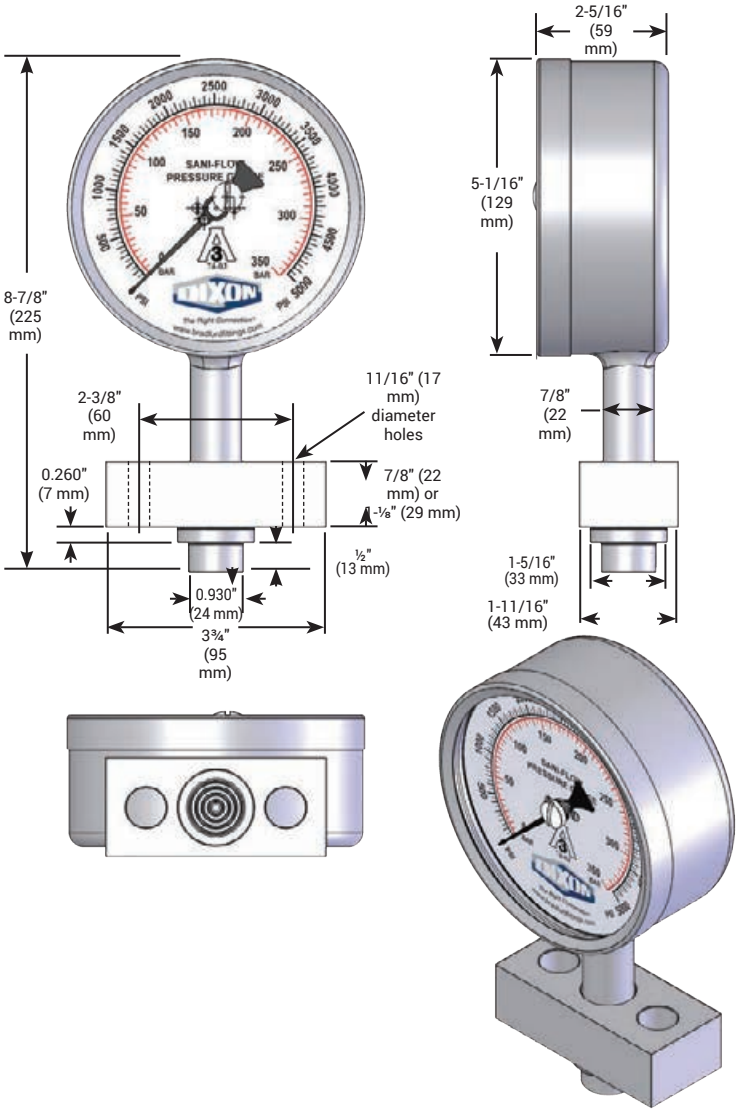
### Pressure Range[1]
**K** ..... **0 to 1,000 PSI (70 BAR)**
**T** ..... **0 to 2,500 PSI (170 BAR)**
**U** ..... **0 to 3,000 PSI (205 BAR)**
**V** ..... **0 to 5,000 PSI (350 BAR)**
**Y** ..... **0 to 7,500 PSI (520 BAR)**
**W** ..... **0 to 10,000 PSI (700 BAR)**
**X** ..... **0 to 15,000 PSI (1000 BAR)**

[1] Standard scales are in **PSI** only. For dual scales, after the pressure range add the letter B for **PSI**/BAR, K for **PSI**/Kg/cm3, P for **PSI**/KPa (see examples below).

### Examples
**5H-V-03** - describes a 5" Sani-Flow homogenizer pressure gauge, **0 to 5,000 PSI**, a 1-1/8" thick flange, and a glycerine filled case

**5H-WB-01** - describes a 5" Sani-Flow homogenizer pressure gauge, dual scale **0 to 10,000 PSI**/0 to 700 BAR, no flange, and a glycerine filled case

### Flange
**01** ..... no flange
**02** ..... 7/8" thick 2 bolt flange
**03** ..... 1-1/8" thick 2 bolt flange
**04** ..... 1/2" thick 4 bolt flange
**05** ..... 3/4" thick 4 bolt flange
**09** ..... 1.66" thick laboratory homogenizer flange




M

Product not returnable and no cancellations.

A 3 74-07
850

## Sanitary Digital Thermometers

### Model Number Breakdown

**DT-2U-BT-DF-10**

- Series
- Fitting Size and Type
- Mount Type
- Display
- Up-Date Interval

### Sizes
- Dial size: 3-1/2" diameter
- LCD display: 0.6"

### Materials
- Product contact: 316L stainless steel
- Case: 304 stainless steel
- Lens: 1/4" polycarbonate

### Features
- Accuracy: ±1°
- Surface finish: Ra max.is 8 microinches
- Battery size / life: standard AAA/3 years
- Shipping weight: approximately 3 lbs.

### Specifications
- Temperature limits: **-58°F** to **302°F (-50°C** to **150°C)**
- Ambient operating limits: **-4°F** to **140°F (-20°C** to **60°C)**
- Resolution: **0.1° (-58° thru 199.9°)**



M

### Ordering Information

**Series**
**DT** ..... Sanitary digital thermometer

**Fitting Type**[1]
Sizes available: 75, 15, 2, 25, 3, and 4
**I**..... male I-Line
**T**..... #13H captive nut and #14 bevel seat
**U** ..... clamp

[1] Specify size then type, i.e. 1-1/2" = 15U

**Mount type**
**BT** ..... bottom
**RT** ..... right side
**LF**..... left side
**TP** ..... top
**BK**..... back
**BTR**..... remote fitting

**Display**
**DF** ..... F (Fahrenheit) *standard*
**DC**..... C (Celsius)

**Up-Date Interval**
**1**..... one second (*1 year battery life*)
**10**..... ten second (*3 year battery life*)

### Dimensions

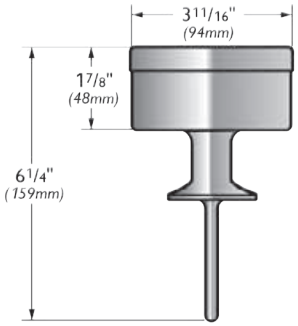
**LEFT SIDE MOUNT**



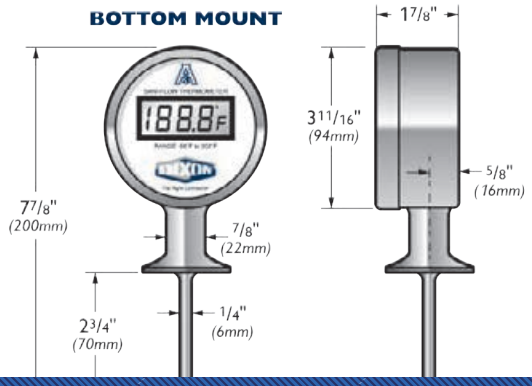
**RIGHT SIDE MOUNT**



**BACK MOUNT**




**BOTTOM MOUNT**




Ordering code shown with clamp configuration "U". See ordering information for other types available.

| Size | Probe Length [1] | Code |
|---|---|---|
| 3/4" | 2-3/8" | 75U |
| 1" | 2-5/5" | 1U |
| 1-1/2" | 2-3/4" | 15U |
| 2" | 3-1/2" | 2U |
| 2-1/2" | 3-1/2" | 25U |
| 3" | 3-3/4" | 3U |
| 4" | 4-1/2" | 4U |

# Sanitary RTDs and Temperature Transmitters

3-A 74-07 850

## Materials
- Product contact: 316L stainless
- Exterior surfaces 316L with a near mirror finish

## Features
- Standard 12mm industrial connector with gold-plated contacts for maximum corrosion resistance and cleanability
- Sensor elements are accurate up to +/-0.1C

## Specifications
- RTD – temperature range: **-58°F** to **392°F (-50°C** to **200°C)**
- TT – temperature range: **-22°F** to **302°F (-30°C** to **150°C)**



Sanitary RTD



Temperature transmitter

## Ordering Information

### Series
**RTD** ..... Sani-Flow resistive temperature device
**TT** ..... Sani-Flow temperature transmitter

### Sanitary Fittings
Fittings available in 5, 75, 15, 20, 25, 30, and 40
**H** ..... G & H 'H' line male
**I** ..... Cherry-Burrell male I-line
**K** ..... APC 'K' clamp
**Q** ..... Cherry-Burrell Q-line
**T** ..... #13H captive nut and #14 bevel seat
**U** ..... Tri-clamp®

- Specify size, then adapter type such as 15U for 1-1/2" Tri-clamp® adapter

- For special probes, add SP and the required probe length at the end of the part number, such as SP2.75 for a 2-3/4" long probe

### Other Fittings
Specify probe length
**A** ..... air space
**M** ..... umbrella fittings
**NPT** ..... 1/4", 3/8", 1/2", 5/8", or 3/4" pipe thread
**PW** ..... projectile well with 1-1/4"-18 UNEF male thread
**SP** ..... split ferrule
**VP** ..... VAT well fitting with #13H captive nut
**OF** ..... no fitting

### Element[1]
**E1** ..... single element
**E2** ..... dual element

[1] Available for RTD only

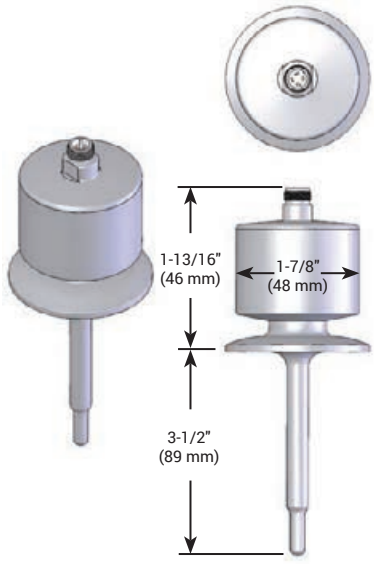
### Model Number Breakdown

**RTD - 15U - E1**

Series — Fitting — Element




RTD-20GI-38




M

# Vacuum Fittings
## KF Flanges and Fittings







### Application
- Vacuum sealing for 1/2" - 2" O.D. tubing in the semiconductor industry

### Sizes
- KF10 - KF50

### Features
- Each assembly contains two identical flanges and a centering ring assembly and is clamped together with a thumbscrew clamp
- Coupling features prevent O-ring collapse and keep the assembly aligned
- KF flanges are compatible with other ISO-KF-QF vacuum flange manufacturers' components
- All fittings are IPA cleaned and bagged in a controlled environment
- MTRs available

### Materials
- Fittings: 304 or 316L stainless steel
- Clamps: aluminum
- O-ring: FKM

### Specifications
- Maximum temperature: **302°F (150°C)**
- Helium leakage testing to $1x10^{-8}$ Torr
- Standards followed: ISO2681

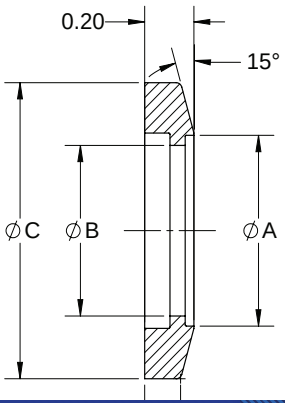
### Part Number Key
**Example: DVF - A 10 G A**

(KF10, 304 stainless steel bored flange)

| Product Line | - | Series | Size | Material | Type |
|---|---|---|---|---|---|
| DVF | | A - KF<br>B - ISO<br>C - Fitting | 10 - KF10<br>16 - KF16<br>25 - KF25<br>40 - KF40<br>50 - KF50 | G - 304 stainless steel<br>R - 316L stainless steel[1]<br>L - Aluminum (clamp only) | A - KF bored flange<br>B - KF blank flange<br>C - KF short weld flange<br>D - KF long weld flange<br>E - KF centering ring assembly<br>F - KF overpressure ring<br>G - KF flex bellow<br>H - KF clamp |

[1] Minimum quantity requirements apply.

### KF Bored Flanges




| Flange Size | A (in) | B (in) | C (in) | D (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|---|
| KF10 | 0.51 | 0.45 | 1.18 | 0.12 | DVF-A10GA |
| KF16 | 0.76 | 0.68 | 1.18 | 0.11 | DVF-A16GA |
| KF25 | 1.01 | 0.94 | 1.58 | 0.13 | DVF-A25GA |
| KF40 | 1.51 | 1.43 | 2.17 | 0.12 | DVF-A40GA |
| KF50 | 2.01 | 1.94 | 2.95 | 0.12 | DVF-A50GA |

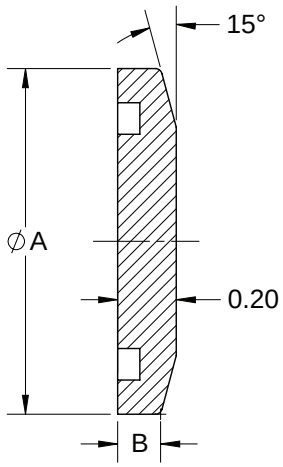


GOODYEAR RUBBER PRODUCTS, INC.
727-342-5088
You can also email us at GRP@goodyearrubberproducts.com

# Vacuum Fittings

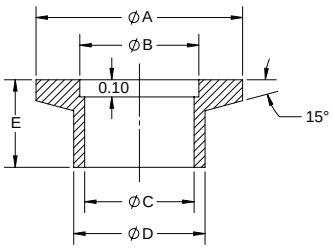
## KF Blank Flanges

| Flange Size | A (in) | B (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| KF10 | 1.18 | 0.12 | DVF-A10GB |
| KF16 | 1.18 | 0.11 | DVF-A16GB |
| KF25 | 1.58 | 0.13 | DVF-A25GB |
| KF40 | 2.17 | 0.12 | DVF-A40GB |
| KF50 | 2.95 | 0.12 | DVF-A50GB |



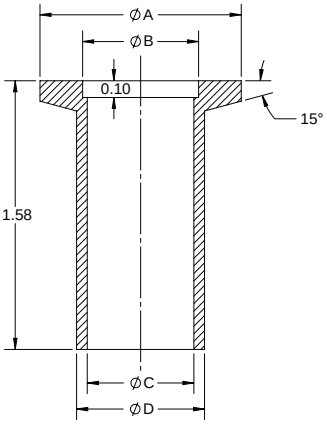

## KF Short Weld Flanges

| Flange Size | A (in) | B (in) | C (in) | D (in) | E (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|---|---|
| KF10 | 1.18 | 0.48 | 0.37 | 0.50 | 0.50 | DVF-A10GC |
| KF16 | 1.18 | 0.67 | 0.62 | 0.75 | 0.50 | DVF-A16GC |
| KF25 | 1.58 | 1.03 | 0.87 | 1.00 | 0.50 | DVF-A25GC |
| KF40 | 2.17 | 1.62 | 1.37 | 1.50 | 0.75 | DVF-A40GC |
| KF50 | 2.95 | 2.05 | 1.87 | 2.00 | 0.75 | DVF-A50GC |



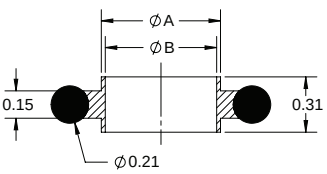

## KF Long Weld Flanges

| Flange Size | A (in) | B (in) | C (in) | D (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|---|
| KF10 | 1.18 | 0.48 | 0.37 | 0.50 | DVF-A10GD |
| KF16 | 1.18 | 0.67 | 0.62 | 0.75 | DVF-A16GD |
| KF25 | 1.58 | 1.03 | 0.87 | 1.00 | DVF-A25GD |
| KF40 | 2.17 | 1.62 | 1.37 | 1.50 | DVF-A40GD |
| KF50 | 2.95 | 2.05 | 1.87 | 2.00 | DVF-A50GD |




## KF Centering Ring Assemblies

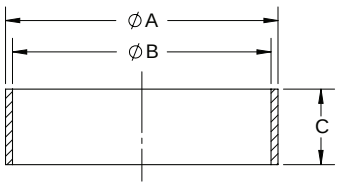
| Flange Size | A (in) | B (in) | 304 Stainless Steel with FKM O-ring Part # |
|---|---|---|---|
| KF10 | 0.48 | 0.44 | DVF-A10GE |
| KF16 | 0.67 | 0.63 | DVF-A16GE |
| KF25 | 1.02 | 0.98 | DVF-A25GE |
| KF40 | 1.61 | 1.57 | DVF-A40GE |
| KF50 | 2.05 | 1.97 | DVF-A50GE |




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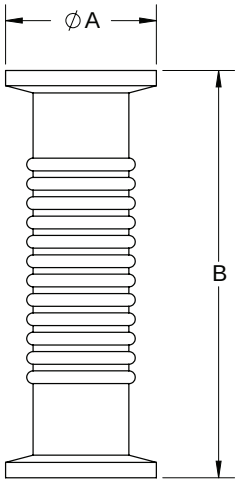
# Vacuum Fittings

## KF Overpressure Rings




| Flange Size | A (in) | B (in) | C (in) | Max PSIG | 304 Stainless Steel Part # |
|---|---|---|---|---|---|
| KF10 | 1.25 | 1.19 | 0.35 | **100** | DVF-A1016GF |
| KF16 | 1.25 | 1.19 | 0.35 | **100** | DVF-A1016GF |
| KF25 | 1.66 | 1.58 | 0.35 | **100** | DVF-A25GF |
| KF40 | 2.26 | 2.18 | 0.35 | **75** | DVF-A40GF |
| KF50 | 2.77 | 2.64 | 0.15 | **50** | DVF-A50GF |

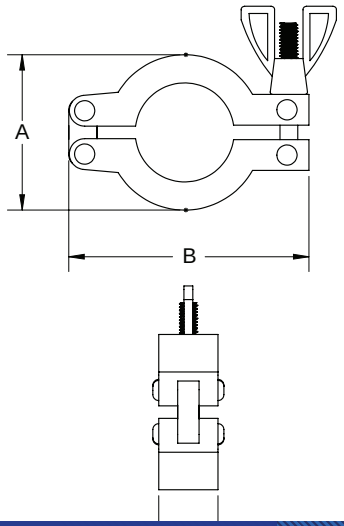
## KF Flex Bellows (Formed)




| Flange Size | A (in) | B (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| KF10 | 1.18 | 3.20 | DVF-A10GG |
| KF16 | 1.18 | 3.20 | DVF-A16GG |
| KF25 | 1.58 | 4.20 | DVF-A25GG |
| KF40 | 2.17 | 4.20 | DVF-A40GG |
| KF50 | 2.95 | 4.20 | DVF-A50GG |

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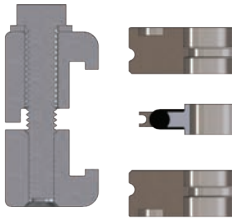
## KF Clamps




| Flange Size | A (in) | B (in) | C (in) | Aluminum Part # |
|---|---|---|---|---|
| KF10 | 1.69 | 2.39 | 0.63 | DVF-A1016LH |
| KF16 | 1.69 | 2.39 | 0.63 | DVF-A1016LH |
| KF25 | 2.14 | 2.80 | 0.63 | DVF-A25LH |
| KF40 | 2.75 | 3.44 | 0.63 | DVF-A40LH |
| KF50 | 3.50 | 4.25 | 0.71 | DVF-A50LH |

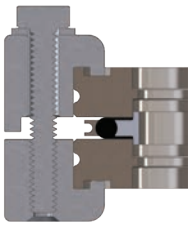
# Vacuum Fittings

## ISO Flanges and Fittings









### Application
- Vacuum sealing for 2-1/2" - 10" O.D. tubing in the semiconductor industry

### Sizes
- ISO63 - ISO250

### Features
- Each assembly contains two identical flanges and a centering ring assembly and is joined together by clamps
- Centering ring keeps the flanges in line and prevents the O-ring from being pushed in by atmospheric pressure
- Multiple clamps must be used to ensure a sturdy connection
- ISO fittings are compatible with other manufacturers' ISO-KF-QF vacuum flanges
- All fittings are IPA cleaned and bagged in a controlled environment
- MTRs available

### Materials
- Fittings: 304 or 316L stainless steel
- Clamps: aluminum
- O-ring: FKM

### Specifications
- Maximum temperature: **302°F (150°C)**
- Helium leakage testing to $1x10^{-8}$ Torr
- Standards followed: ISO2681

### Part Number Breakdown
**Example: DVF - B 63 G A**
(ISO63, 304 stainless steel bored flange)

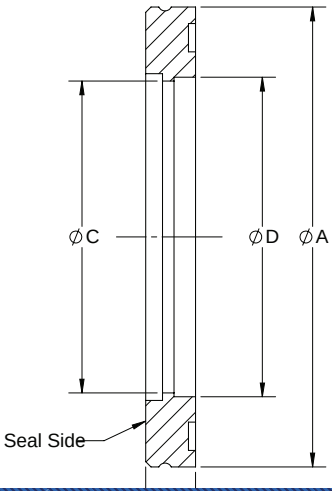
| Product Line | - | Series | Size | Material | Type |
|---|---|---|---|---|---|
| DVF | | A - KF<br>B - ISO<br>C - Fitting | 63 - ISO63<br>80 - ISO80<br>100 - ISO100<br>160 - ISO160<br>200 - ISO200<br>250 - ISO250 | G - 304 stainless steel<br>R - 316L stainless steel[1]<br>L - Aluminum (clamp only) | A - ISO bored flange<br>B - ISO blank flange<br>E - ISO centering ring assembly<br>G - ISO flexible bellow<br>H - ISO double claw clamp |

[1] Minimum quantity requirements apply.

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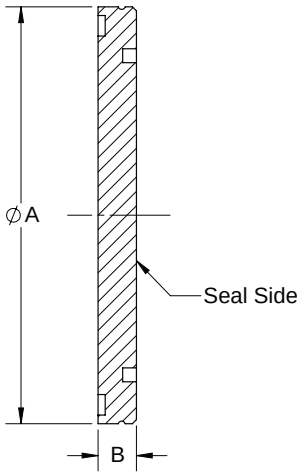
### ISO Bored Flanges

| Flange Size | A (in) | B (in) | C (in) | D (in) | 304 Stainless Steel Part # |
|---|---|---|---|---|---|
| ISO63 | 3.74 | 0.47 | 2.44 | 2.51 | DVF-B63GA |
| ISO80 | 4.33 | 0.47 | 2.94 | 3.01 | DVF-B80GA |
| ISO100 | 5.12 | 0.47 | 3.91 | 4.02 | DVF-B100GA |
| ISO160 | 7.09 | 0.47 | 5.87 | 6.03 | DVF-B160GA |
| ISO200 | 9.45 | 0.47 | 7.87 | 8.03 | DVF-B200GA |
| ISO250 | 11.42 | 0.47 | 9.88 | 10.02 | DVF-B250GA |



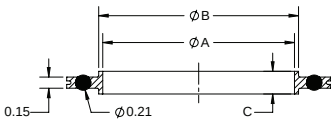
# Vacuum Fittings

## ISO Blank Flanges



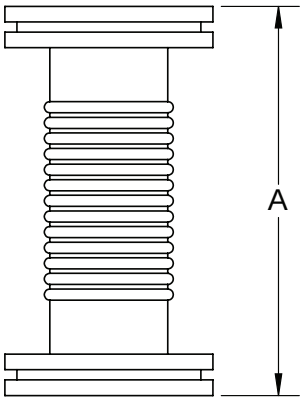

| Flange Size | A (in) | B (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| ISO63 | 3.74 | 0.47 | DVF-B63GB |
| ISO80 | 4.33 | 0.47 | DVF-B80GB |
| ISO100 | 5.12 | 0.47 | DVF-B100GB |
| ISO160 | 7.09 | 0.47 | DVF-B160GB |
| ISO200 | 9.45 | 0.47 | DVF-B200GB |
| ISO250 | 11.42 | 0.47 | DVF-B250GB |

## ISO Centering Rings Assemblies



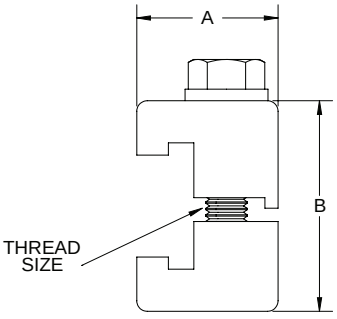

| Flange Size | A (in) | B (in) | C (in) | 304 Stainless Steel Centering Ring FKM O-ring Aluminum Spacer Ring Part # |
|---|---|---|---|---|
| ISO63 | 2.63 | 2.74 | 0.31 | DVF-B63GE |
| ISO80 | 3.14 | 3.25 | 0.31 | DVF-B80GE |
| ISO100 | 3.89 | 4.00 | 0.31 | DVF-B100GE |
| ISO160 | 5.90 | 6.01 | 0.31 | DVF-B160GE |
| ISO200 | 8.26 | 8.37 | 0.31 | DVF-B200GE |

## ISO Flexible Bellow (Formed)




| Flange Size | A (in) | Compressed Length (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| ISO63 | 7.00 | 6.00 | DVF-B63GG |
| ISO80 | 7.00 | 6.00 | DVF-B80GG |
| ISO100 | 7.00 | 6.00 | DVF-B100GG |
| ISO160 | 7.00 | 6.00 | DVF-B160GG |
| ISO200 | 7.00 | 6.00 | DVF-B200GG |
| ISO250 | 13.50 | 10.50 | DVF-B250GG |

## ISO Double Claw Clamps




| Flange Size | A (in) | B (in) | Thread Size | Qty. of Clamps Required | Aluminum Part # |
|---|---|---|---|---|---|
| ISO63 | 0.94 | 1.96 | 5/16"-18 | 3 - 4 | DVF-B63100LH |
| ISO80 | 0.94 | 1.96 | 5/16"-18 | 4 - 8 | DVF-B63100LH |
| ISO100 | 0.94 | 1.96 | 5/16"-18 | 4 - 8 | DVF-B63100LH |
| ISO160 | 1.10 | 1.96 | 5/16"-18 | 4 - 8 | DVF-B160250LH |
| ISO200 | 1.10 | 1.96 | 5/16"-18 | 6 - 12 | DVF-B160250LH |
| ISO250 | 1.10 | 1.96 | 5/16"-18 | 6 - 12 | DVF-B160250LH |

## Vacuum Weld Fittings

Each part is crafted with precision to ensure a leak-free fit. All fittings are IPA cleaned and bagged in a controlled environment.

**Application**
- Vacuum sealing weld fittings used in the semiconductor industry

**Sizes**
- 1/2" - 6"

**Feature**
- Material Test Reports (MTRs) available

**Materials**
- Fittings: 304 or 316L stainless steel

**Specifications**
- Helium leakage testing to $1x10^{-8}$ Torr
- Maximum temperature: **302°F (150°C)**
- Standards followed: ASTM A270, ASTM A269, and ASME SA270



### Part Number Key

**Example: DVF - C 050 G 1 Q**

(1/2" 90° elbow, polished weld fitting, 304 stainless steel)

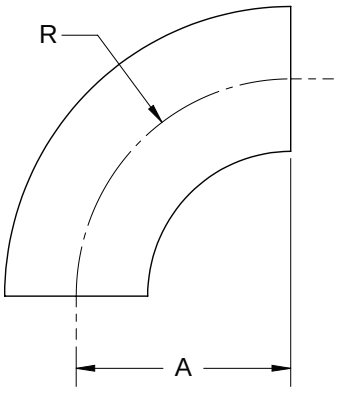
| Product Line | - | Series | Size | Material | Finish | Type |
|---|---|---|---|---|---|---|
| DVF | | A - KF<br>B - ISO<br>C - Fitting | 050 - 1/2"<br>075 - 3/4"<br>100 - 1"<br>150 - 1-1/2"<br>200 - 2"<br>250 - 2-1/2"<br>300 - 3"<br>400 - 4"<br>600 - 6" | G - 304 stainless steel<br>R - 316L stainless steel[1] | 1 - polished<br>2 - bead blast[1] | Q - 90° elbow<br>R - 90° elbow with tangents<br>S - 45° elbow<br>T - 45° elbow with tangents<br>U - concentric reducer<br>V - tee<br>W - reducing tee |

[1] Minimum quantity requirements apply.

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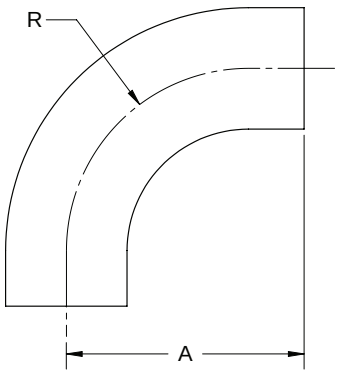
### Weld 90° Elbows

| O.D. | A (in) | R (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1/2" | 0.75 | 0.75 | DVF-C050G1Q |
| 3/4" | 1.00 | 1.00 | DVF-C075G1Q |
| 1" | 1.50 | 1.50 | DVF-C100G1Q |
| 1-1/2" | 2.25 | 2.25 | DVF-C150G1Q |
| 2" | 3.00 | 3.00 | DVF-C200G1Q |
| 2-1/2" | 3.75 | 3.75 | DVF-C250G1Q |
| 3" | 4.50 | 4.50 | DVF-C300G1Q |
| 4" | 6.00 | 6.00 | DVF-C400G1Q |
| 6" | 9.00 | 9.00 | DVF-C600G1Q |



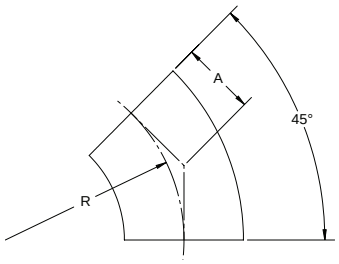
## Vacuum Fittings

### Weld 90° Elbows with Tangents



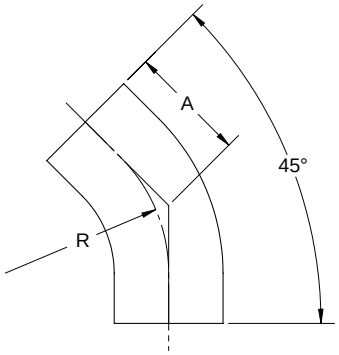

| O.D. | A | R | 304 Stainless Steel Part # |
|---|---|---|---|
| 3/4" | 1.42 | 1.00 | DVF-C075G1R |
| 1" | 1.82 | 1.50 | DVF-C100G1R |
| 1-1/2" | 2.94 | 2.25 | DVF-C150G1R |
| 2" | 4.06 | 3.00 | DVF-C200G1R |
| 2-1/2" | 5.19 | 3.75 | DVF-C250G1R |
| 3" | 6.31 | 4.50 | DVF-C300G1R |
| 4" | 8.31 | 6.00 | DVF-C400G1R |
| 6" | 11.50 | 9.00 | DVF-C600G1R |

### Weld 45° Elbows




| O.D. | A (in) | R (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1/2" | 0.31 | 0.75 | DVF-C050G1S |
| 3/4" | 0.41 | 1.00 | DVF-C075G1S |
| 1" | 0.62 | 1.50 | DVF-C100G1S |
| 1-1/2" | 0.93 | 2.25 | DVF-C150G1S |
| 2" | 1.25 | 3.00 | DVF-C200G1S |
| 2-1/2" | 1.53 | 3.75 | DVF-C250G1S |
| 3" | 1.84 | 4.50 | DVF-C300G1S |
| 4" | 2.50 | 6.00 | DVF-C400G1S |
| 6" | 3.73 | 9.00 | DVF-C600G1S |

### Weld 45° Elbows with Tangents

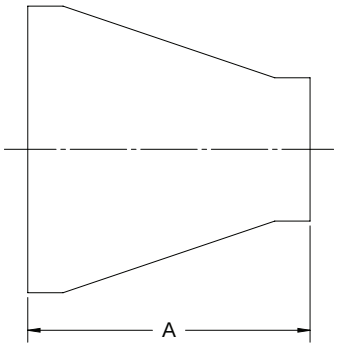



| O.D. | A (in) | R (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| 3/4" | 0.76 | 1.00 | DVF-C075G1T |
| 1" | 1.19 | 1.50 | DVF-C100G1T |
| 1-1/2" | 1.63 | 2.25 | DVF-C150G1T |
| 2" | 2.31 | 3.00 | DVF-C200G1T |
| 2-1/2" | 3.00 | 3.75 | DVF-C250G1T |
| 3" | 3.68 | 4.50 | DVF-C300G1T |
| 4" | 4.81 | 6.00 | DVF-C400G1T |
| 6" | 7.33 | 9.00 | DVF-C600G1T |

# Vacuum Fittings

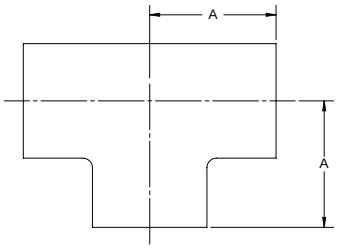
## Concentric Reducers with Tangents

| O.D. | A (in) | 304 Stainless Steel Part # |
|---|---|---|
| 1" x 3/4" | 1.38 | DVF-C100075G1U |
| 1-1/2" x -3/4" | 2.38 | DVF-C150075G1U |
| 1-1/2" x 1" | 2.38 | DVF-C150100G1U |
| 2" x 1" | 2.38 | DVF-C200100G1U |
| 2" x 1-1/2" | 2.38 | DVF-C200150G1U |
| 2-1/2" x 1-1/2" | 2.38 | DVF-C250150G1U |
| 2-1/2" x 2" | 2.38 | DVF-C250200G1U |
| 3" x 1-1/2" | 3.63 | DVF-C300150G1U |
| 3" x 2" | 3.63 | DVF-C300200G1U |
| 3" x 2-1/2" | 3.63 | DVF-C300250G1U |
| 4" x 2" | 3.63 | DVF-C400200G1U |
| 4" x 2-1/2" | 3.63 | DVF-C400250G1U |
| 4" x 3" | 3.63 | DVF-C400300G1U |




## Weld Tees

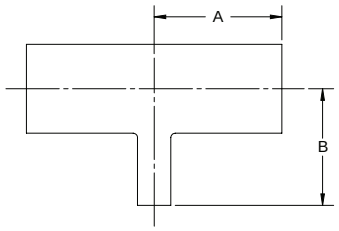
| O.D. | A (in) | 304 Stainless Steel Part # |
|---|---|---|
| 1/2" | .75 | DVF-C050G1V |
| 3/4" | 1.00 | DVF-C075G1V |
| 1" | 1.88 | DVF-C100G1V |
| 1-1/2" | 2.25 | DVF-C150G1V |
| 2" | 3.00 | DVF-C200G1V |
| 2-1/2" | 3.00 | DVF-C250G1V |
| 3" | 3.25 | DVF-C300G1V |
| 4" | 3.88 | DVF-C400G1V |
| 6" | 5.00 | DVF-C600G1V |




M

## Weld Reducing Tees

| O.D. | A (in) | B (in) | 304 Stainless Steel Part # |
|---|---|---|---|
| 1" x 3/4" | 1.88 | 2.13 | DVF-C100075G1W |
| 1-1/2" x 3/4" | 2.25 | 2.25 | DVF-C150075G1W |
| 1-1/2" x 1" | 2.25 | 2.38 | DVF-C150100G1W |
| 2" x 1" | 3.00 | 2.38 | DVF-C200100G1W |
| 2" x 1-1/2" | 3.00 | 2.38 | DVF-C200150G1W |
| 2-1/2" x 1-1/2" | 3.00 | 2.50 | DVF-C250150G1W |
| 2-1/2" x 2" | 3.00 | 2.75 | DVF-C250200G1W |
| 3" x 1-1/2" | 3.25 | 3.25 | DVF-C300150G1W |
| 3" x 2" | 3.25 | 3.00 | DVF-C300200G1W |
| 3" x 2-1/2" | 3.25 | 3.25 | DVF-C300250G1W |
| 4" x 1-1/2" | 3.88 | 3.50 | DVF-C400150G1W |
| 4" x 2" | 3.88 | 4.00 | DVF-C400200G1W |
| 4" x 2-1/2" | 3.88 | 3.75 | DVF-C400250G1W |
| 4" x 3" | 3.88 | 3.75 | DVF-C400300G1W |
| 6" x 3" | 5.00 | 4.75 | DVF-C600300G1W |
| 6" x 4" | 5.00 | 4.88 | DVF-C600400G1W |



## Vacuum Fittings

### MTR - Material Test Reports

An MTR is a report that contains information about the raw materials, chemical properties, and mechanical properties of a part. Dixon Sanitary provides material test reports upon request. Here's how you can access them:

**Each MTR will contain:**

- Part number and part description
- Material and material standards
- Heat number
- Chemical properties
- Mechanical properties
- Job number

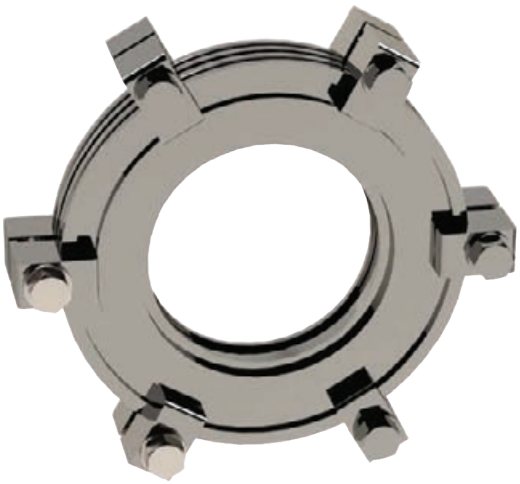
**To retrieve an MTR by QR code:**

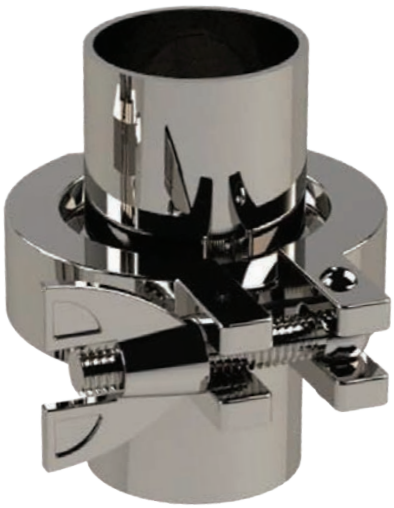
1. Scan the QR code on the product packaging
2. Enter the job number (found on the product's packaging bag)
3. Review the MTR

**To retrieve an MTR at dixonvalve.com:**

1. Go to dixonvalve.com/knowledge-center/interactive-tools/mtr
2. Enter the job number (found on the product's packaging bag)
3. Review the MTR







## Breakaway Couplings - Clamp

### Application
- Minimizes damage associated with pull-away and drive-away incidents

### Features
- Designed to be installed between a fixed point and a hose
- 13kN break load bolts standard; other break loads available
- Coupling breaks away with an excessive load
- Other sizes/connection available



### Materials
- 316 stainless steel polished to standard <32Ra, 3A finish
- Clamp gasket: EPDM standard, optional material available

### Specification
- Working pressure: **350 PSI @ 70°F (21°C)**

| Size | 316 Stainless Steel Part # |
|---|---|
| 2" | SBC-E200CC13 |
| 3" | SBC-E300CC13 |

## Breakaway Couplings - Bevel Seat

### Application
- Minimizes damage associated with pull-away and drive-away incidents

### Features
- Designed to be installed between a fixed point and a hose
- 13kN break load bolts standard; other break loads available
- Coupling breaks away with an excessive load
- Other sizes / connections available



### Materials
- 316 stainless steel polished to standard <32Ra, 3A finish
- Clamp gasket: EPDM standard; optional material available

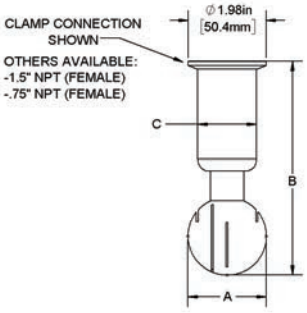
### Specification
- Working pressure: **350 PSI @ 70°F (21°C)**

| Size | 316 Stainless Steel Part # |
|---|---|
| 2" | SBC-E200TP13 |
| 3" | SBC-E300TP13 |

# Spray Balls

## Rotating - SRH






### Application
- Ideal for cleaning all types of tanks and vessels

### Features
- Stainless steel ball bearings eliminate rust
- Cleaning solution lubricates unit
- Mirror-like finish (O.D.)
- Spray pattern: 360°

### Specification
- Available connections: clamp and NPT

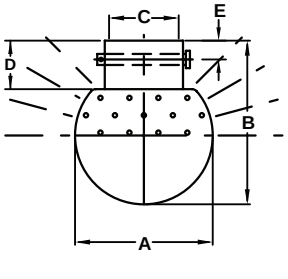
| Size | Type | 304 Stainless Steel Part # | 316L Stainless Steel Part # |
|---|---|---|---|
| 3/4" | NPT | SRH360NPT-G075 | --- |
| 1-1/2" | NPT | --- | SRH360NPT-R150 |
| | clamp | SRH360CMP-G150 | SRH360CMP-R150 |

## Stationary - STC

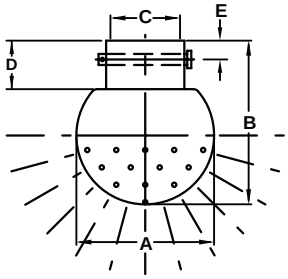
### Application
- Typicaly used in food and beverage industries for cleaning storage tanks

### Features
- Heavy duty 316L stainless steel construction provides longer life
- Stationary - designed to be mounted to a tube or pipe
- 2 mm spray holes
- Various spray patterns available (blanks available as special order)

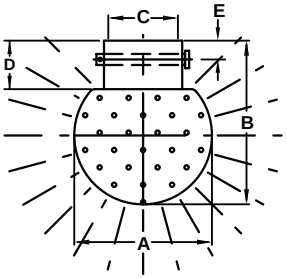





180° Top Pattern




180° Bottom Pattern




360° Pattern

| Size | Pin Length | Spray Pattern | Dimensions | | | | | Pin Size (in) | 316L Stainless Steel Part # |
|---|---|---|---|---|---|---|---|---|---|
| | | | A (in) | B (in) | C (in) | D (in) | E (in) | | |
| 1" | 1.47" | 360° | 2.50 | 3.04 | 1.005 | .975 | .445 | .226 | STC-360-R100 |
| 1-1/2" | 1.95" | 360° | 2.95 | 3.55 | 1.505 | 1.050 | .445 | .226 | STC-360-R150 |
| 1" | 1.47" | 180° bottom | 3.54 | 2.95 | 1.005 | .975 | .445 | .226 | STC-180B-R100 |
| 1-1/2" | 1.95" | 180° bottom | 3.54 | 2.95 | 1.505 | .975 | .445 | .226 | STC-180B-R150 |
| 1" | 1.47" | 180° top | 3.54 | 2.95 | 1.005 | .975 | .445 | .226 | STC-180T-R100 |
| 1-1/2" | 1.95" | 180° top | 3.54 | 2.95 | 1.505 | .975 | .445 | .226 | STC-180T-R150 |

## Repair Kits

### Feature
- Repair kit contains
  (1) pin
  (1) R clip

| Size | Part # |
|---|---|
| 1" | STC-RK100 |



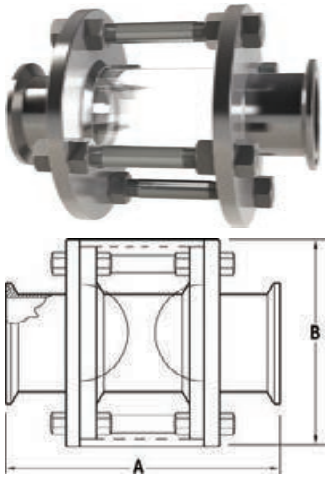
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727-342-5088
You can also email us at GRP@goodyearrubberproducts.com

# Sight Glasses

**Sizes**
- 1" - 6" O.D. tube

**Materials**
- Body: 316L stainless steel
- Sight glass: Borosilicate glass or polycarbonate
- Gaskets: white nitrile rubber or FKM
- 32Ra sanitary finish, I.D. and O.D.

## In-line - B54BMP




**Specifications**
- Various end configurations are available: clamp, weld, bevel seat, John Perry, I-Line and Q-Line
- Maximum temperature: **200°F (93°C)**

| Tube O.D. | A (in) | B (in) | Working Pressure (PSI) | 316L Stainless Steel Borosilicate Glass Part # | 316 Stainless Steel Polycarbonate Part # |
|---|---|---|---|---|---|
| 1" | 5.625 | 3.250 | **145** | B54BMP-R100 | B54BMP-R100LX |
| 1-1/2" | 5.625 | 4.000 | **145** | B54BMP-R150 | B54BMP-R150LX |
| 2" | 5.625 | 4.250 | **145** | B54BMP-R200 | B54BMP-R200LX |
| 2-1/2" | 6.125 | 4.750 | **120** | B54BMP-R250 | B54BMP-R250LX |
| 3" | 7.250 | 5.500 | **120** | B54BMP-R300 | B54BMP-R300LX |
| 4" | 7.375 | 6.500 | **95** | B54BMP-R400 | B54BMP-R400LX |
| 6" | 7.625 | 9.500 | **80** | B54BMP-R600 | B54BMP-R600LX |

### Kits and Replacement Parts

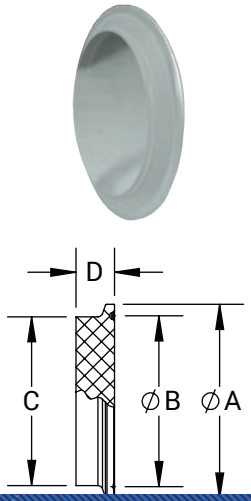
| Size | Nitrile Rubber Seal Kit Part # | FKM Seal Kit Part # | Borosilicate Glass Replacement Part # | Polycarbonate Replacement Part # |
|---|---|---|---|---|
| 1" | B54BMP-SK100 | B54BMP-VK100 | B54G-P100 | B54BMP-LX100 |
| 1-1/2" | B54BMP-SK150 | B54BMP-VK150 | B54G-P150 | B54BMP-LX150 |
| 2" | B54BMP-SK200 | B54BMP-VK200 | B54G-P200 | B54BMP-LX200 |
| 2-1/2" | B54BMP-SK250 | B54BMP-VK250 | B54G-P250 | B54BMP-LX250 |
| 3" | B54BMP-SK300 | B54BMP-VK300 | B54G-P300 | B54BMP-LX300 |
| 4" | B54BMP-SK400 | B54BMP-VK400 | B54G-P400 | B54BMP-LX400 |
| 6" | B54BMP-SK600 | B54BMP-VK600 | B54G-P600 | B54BMP-LX600 |

NOTE: Seal kit contains: (2) white nitrile rubber gaskets

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# Acrylic Sight Glass End Caps - B5416MP

**Feature**
- For use on any line with a clamp and gasket

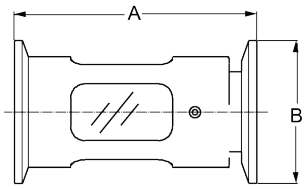



**Specifications**
- Maximum temperature: **150°F (66°C)**
- Maximum operating pressure: **100 PSI**

| Tube O.D. | A (in) | B (in) | C (in) | D (in) | Acrylic Plastic Part # |
|---|---|---|---|---|---|
| 1" - 1-1/2" | 1.98 | 1.72 | 1.68 | .50 | B5416MP-A100150 |
| 2" | 2.52 | 2.22 | 2.19 | .50 | B5416MP-A200 |
| 2-1/2" | 3.05 | 2.78 | 2.71 | .50 | B5416MP-A250 |
| 3" | 3.58 | 3.28 | 3.22 | .50 | B5416MP-A300 |
| 4" | 4.68 | 4.34 | 4.26 | .50 | B5416MP-A400 |
| 6" | 6.57 | 6.18 | 6.13 | .50 | B5416MP-A600 |

## Compact Sight Glasses - B54BMPS






**Application**
- Used widely in the food, dairy, and beverage sanitary processes to view products and fluids

**Features**
- Design perfect for hoses
- Easier to clean than bolted styles
- Less cost to repair than bolted styles
- Clamp connections standard

| Tube O.D. | Dimensions | | 316 Stainless Steel Polycarbonate Part # | 316 Stainless Steel Borosilicate Glass Part # |
|---|---|---|---|---|
| | A (in) | B (in) | | |
| 1" | 3.375 | 1.985 | B54BMPLX-R100 | B54BMPS-R100 |
| 1-1/2" | 3.640 | 1.985 | B54BMPLX-R150 | B54BMPS-R150 |
| 2" | 3.830 | 2.516 | B54BMPLX-R200 | B54BMPS-R200 |
| 3" | 4.130 | 3.579 | B54BMPLX-R300 | B54BMPS-R300 |
| 4" | 4.340 | 4.682 | B54BMPLX-R400 | B54BMPS-R400 |

### Seal Kits



| Size | Nitrile Rubber Seal Kit Part # | FKM Seal Kit Part # |
|---|---|---|
| 1" | B54BMP-SK100 | B54BMP-VK100 |
| 1-1/2" | B54BMP-SK150 | B54BMP-VK150 |
| 2" | B54BMP-SK200 | B54BMP-VK200 |
| 3" | B54BMP-SK300 | B54BMP-VK300 |
| 4" | B54BMP-SK400 | B54BMP-VK400 |

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### Replacement Glasses



| Size | Polycarbonate Replacement Part # | Borosilicate Glass Replacement Part # |
|---|---|---|
| 1" | B54BMPS-LX100 | B54BMPS-GL100 |
| 1-1/2" | B54BMPS-LX150 | B54BMPS-GL150 |
| 2" | B54BMPS-LX200 | B54BMPS-GL200 |
| 3" | B54BMPS-LX300 | B54BMPS-GL300 |
| 4" | B54BMPS-LX400 | B54BMPS-GL400 |

# HSG Hygienic Sight Glasses



Single Pin Clamp



Bolted Clamp

### Applications
- Used widely in the food, dairy, and beverage sanitary processes to view products and fluids
- Can be used in industrial applications when you want to CIP and require 316L stainless steel construction

### Sizes
- 1/2" to 6"
  - single pin clamp: 1" to 6"; EPDM or FKM gasket
  - bolted clamp: 1/2" to 6"; PTFE gasket

### Features
- 3A CIP certified
- Higher pressure range than other sight glasses
- Easy assembly and disassembly
- Rubber seals are I-line gaskets
- Clamp protects glass from getting damaged
- Patent-pending assembly design

### Materials
- Body: 316L stainless steel
- Sight glass: polycarbonate
- Gaskets: PTFE, EPDM, or FKM

| Tube O.D. | PSI @ 70°F (21°C) | PSI @ 200°F (94°C) | 316L Stainless Steel EPDM Seal Part # | 316L Stainless Steel FKM Seal Part # | 316L Stainless Steel PTFE Seal Part # |
|---|---|---|---|---|---|
| 1/2" | **500** | **300** | --- | --- | HSGP050CCA |
| 3/4" | **500** | **300** | --- | --- | HSGP075CCA |
| 1" | **500** | **300** | HSGE100CCA | HSGV100CCA | HSGP100CCA |
| 1-1/2" | **450** | **250** | HSGE150CCA | HSGV150CCA | HSGP150CCA |
| 2" | **400** | **200** | HSGE200CCA | HSGV200CCA | HSGP200CCA |
| 2-1/2" | **350** | **175** | HSGE250CCA | HSGV250CCA | HSGP250CCA |
| 3" | **250** | **125** | HSGE300CCA | HSGV300CCA | HSGP300CCA |
| 4" | **80** | **40** | HSGE400CCA | HSGV400CCA | HSGP400CCA |
| 6" | **50** | **25** | HSGE600CCA | HSGV600CCA | HSGP600CCA |

## Seal Kits

| Tube O.D. | EPDM Seal Kit Part # | FKM Seal Kit Part # | PTFE Seal Kit Part # |
|---|---|---|---|
| 1/2" | --- | --- | HSG-RKP050 |
| 3/4" | --- | --- | HSG-RKP075 |
| 1" | HSG-RKE100 | HSG-RKV100 | HSG-RKP100 |
| 1-1/2" | HSG-RKE150 | HSG-RKV150 | HSG-RKP150 |
| 2" | HSG-RKE200 | HSG-RKV200 | HSG-RKP200 |
| 2-1/2" | HSG-RKE250 | HSG-RKV250 | HSG-RKP250 |
| 3" | HSG-RKE300 | HSG-RKV300 | HSG-RKP300 |
| 4" | HSG-RKE400 | HSG-RKV400 | HSG-RKP400 |
| 6" | HSG-RKE600 | HSG-RKV600 | HSG-RKP600 |

## Replacement Polycarbonate Sight Glass

| Tube O.D. | Polycarbonate Part # |
|---|---|
| 1/2" | HSG-POLY-050 |
| 3/4" | HSG-POLY-075 |
| 1" | HSG-POLY-100 |
| 1-1/2" | HSG-POLY-150 |
| 2" | HSG-POLY-200 |
| 2-1/2" | HSG-POLY-250 |
| 3" | HSG-POLY-300 |
| 4" | HSG-POLY-400 |



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## SJSS Series Sanitary Swivels



**Application**
- Process lines that need flexibility to prevent hoses from kinking or making a flow path change on a flow plate

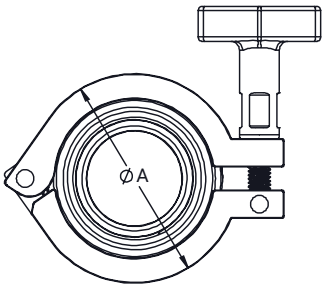
**Sizes**
- 1" - 4"

**Features**
- New and improved design
- Available in clamp and weld configurations in styles 20-70

**Materials**
- Body: 316L stainless steel
- Elastomers: silicone or EPDM

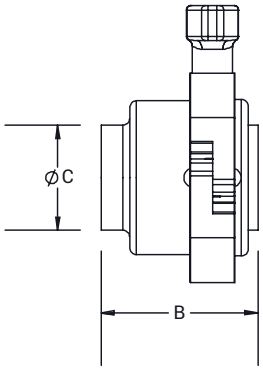
**Approval**
- 3A certified COP

### Straight Clamp - Style 20




| Size | Dimensions | | | Pressure Rating PSI @ 70°F (21°C) | Pressure Rating PSI @ 250°F (121°C) | 316L Stainless Steel Part # |
|---|---|---|---|---|---|---|
| | A (in) | B (in) | C (in) | | | |
| 1" | 2.42 | 3.86 | 1.00 | **500** | **300** | SJSS100*CC120 |
| 1-1/2" | 2.99 | 3.87 | 1.50 | **500** | **300** | SJSS150*CC120 |
| 2" | 3.48 | 3.84 | 2.00 | **450** | **250** | SJSS200*CC120 |
| 2-1/2" | 3.98 | 3.84 | 2.50 | **400** | **200** | SJSS250*CC120 |
| 3" | 5.08 | 3.84 | 3.00 | **350** | **175** | SJSS300*CC120 |
| 4" | 7.03 | 4.97 | 4.00 | **300** | **150** | SJSS400*CC120 |

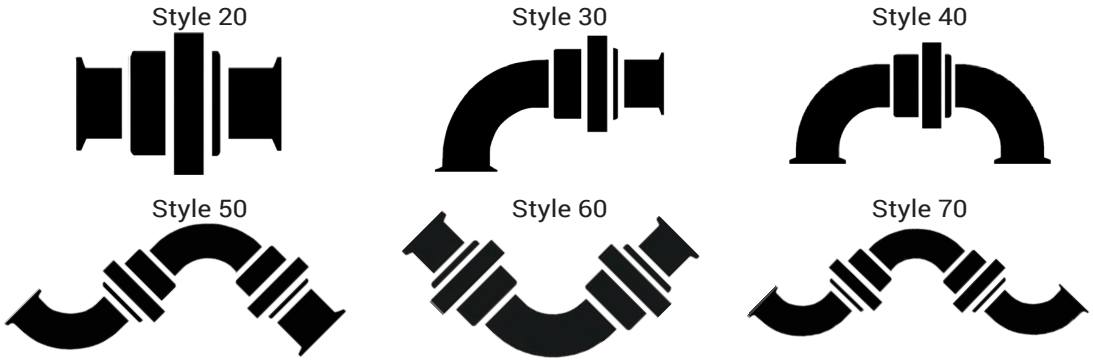
### Straight Weld Connection - Style 20




| Size | Dimensions | | | Pressure Rating PSI @ 70°F (21°C) | Pressure Rating PSI @ 250°F (121°C) | 316L Stainless Steel Part # |
|---|---|---|---|---|---|---|
| | A (in) | B (in) | C (in) | | | |
| 1" | 2.42 | 2.24 | 1.00 | **500** | **300** | SJSS100*BB120 |
| 1-1/2" | 2.99 | 2.24 | 1.50 | **500** | **300** | SJSS150*BB120 |
| 2" | 3.48 | 2.22 | 2.00 | **450** | **250** | SJSS200*BB120 |
| 2-1/2" | 3.98 | 2.22 | 2.50 | **400** | **200** | SJSS250*BB120 |
| 3" | 5.08 | 2.21 | 3.00 | **350** | **175** | SJSS300*BB120 |
| 4" | 7.03 | 3.22 | 4.00 | **300** | **150** | SJSS400*BB120 |

NOTE: S=Silicone
NOTE: E=EPDM

### Repair Kits




| Size | Contains | Silicone Part # | EPDM Part # |
|---|---|---|---|
| 1" | (1x) Inner Body Gasket<br>(1x) Outer Body Gasket<br>(1x) Upper Body Seat<br>(1x) Lower Body Washer | SJSS-REPAR-S100 | SJSS-REPAR-E100 |
| 1-1/2" | | SJSS-REPAR-S150 | SJSS-REPAR-E150 |
| 2" | | SJSS-REPAR-S200 | SJSS-REPAR-E200 |
| 2-1/2" | | SJSS-REPAR-S250 | SJSS-REPAR-E250 |
| 3" | | SJSS-REPAR-S300 | SJSS-REPAR-E300 |



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# FH-SC-Series Sanitary Cartridge Filter Element Housings

## Sizes
- Port connection: 1" - 4"
- Number of elements: 1, 3, 5, 7, 12, and 21
- Cartridge element lengths: 10", 20", 30", and 40"

New

## Features
- Single-cartridge element housings utilize a heavy-duty stainless steel clamp closure for ease of element changes
- Multiple cartridge element housings feature a swing bolt closure to ensure positive sealing
- High purity construction assures dependable protection for critical process applications
- Custom OEM designs available
- Large variety of cartridge elements available to meet your application needs



## Materials
- Product contact: 316L stainless steel
- Non-contact: 304 stainless steel
- 32Ra, O.D. polish; 25Ra I.D. polish
- Silicone O-ring seals standard; FKM and EPDM optional

## Specifications
- **150 PSI** working pressure at **300°F (149°C)**
- 1-1/2" clamp vent/gauge connection standard
- 1/2" clamp drain connection standard
- 222 or 226 cartridge elements
- Clamp connections standard; for optional connections call Dixon Sanitary at 800.789.1718.

| # of Elements | Element Length (in) | Element Type | Connection Size (in) | Connections Type | Seal Material | Part # |
|---|---|---|---|---|---|---|
| 1 | 10 | 222 | 1 | clamp | silicone | FH-SC110A10CS |
| 1 | 20 | 222 | 1 | clamp | silicone | FH-SC120A10CS |
| 1 | 30 | 222 | 1 | clamp | silicone | FH-SC130A10CS |
| 3 | 30 | 222 | 2 | clamp | silicone | FH-SC330A20CS |
| 5 | 30 | 222 | 2 | clamp | silicone | FH-SC530A20CS |
| 7 | 30 | 222 | 2 | clamp | silicone | FH-SC730A20CS |
| 12 | 30 | 222 | 3 | clamp | silicone | FH-SC1230A30CS |
| 1 | 10 | 226 | 1 | clamp | silicone | FH-SC110B10CS |
| 1 | 20 | 226 | 1 | clamp | silicone | FH-SC120B10CS |
| 1 | 30 | 226 | 1 | clamp | silicone | FH-SC130B10CS |
| 3 | 30 | 226 | 2 | clamp | silicone | FH-SC330B20CS |
| 5 | 30 | 226 | 2 | clamp | silicone | FH-SC530B20CS |
| 7 | 30 | 226 | 2 | clamp | silicone | FH-SC730B20CS |
| 12 | 30 | 226 | 3 | clamp | silicone | FH-SC1230B30CS |

NOTE: Filter elements are not included with the filter housings and must be ordered separately.



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New



## DF-MB-Series Melt Blown Cartridge Filters

### Sizes
- Diameters: 2-1/2" (standard) to 4-1/2"
- Cartridge element lengths: 9-3/4" to 50"

### Features
- Made in the USA
- FDA title 21 compliant
- No glue or binders
- Low pressure drop
- 4 zone technology within cartridge allows for high dirt loading
- Available in industry standard end connections
- Multiple efficiency options available
  - Pro - 90%
  - Deluxe - 95%
  - Elite - 99%
  - RO - reverse osmosis applications
- Most combinations are WQA tested and certified to:
  - NSF / ANSI 372
  - NSF / ANSI 61
  - CSA B483.1
  - NSF / ANSI 42 - Component

### Materials
- Cartridge element: polypropylene
- Gasket/O-ring: nitrile rubber, FKM, PTFE, silicone, neoprene, EPDM, and Polyfoam; no selection required for double open-ended (DOE) cartridge elements

### Specifications
- Maximum differential pressure:
  **40 PSID (2.7 bar) at 155°F (68°C)**
  **60 PSID (4.1 bar) at 86°F (30°C)**
- Recommended change out differential pressure:
  with core **35 PSID (2.4 bar)**
  without core **20 PSID (1.3 bar)**
- Micron ratings: 1, 5,10, 20, 25, 30, 75, and 100
- Sold in standard case quantities only
  - 10" and under are 30 pcs/case
  - 19-1/2" thru 30" are 15 pcs/case
  - 39" and above are determined at time of quote
  - Custom lengths are determined at time of quote

M

| Element Length | Style | Micron | Materials | Case Qty | Part # |
|---|---|---|---|---|---|
| 10" | DOE / 4-Zone | 1 | polypropylene | 30 | DF-MBS1C21 |
| 10" | DOE / 4-Zone | 10 | polypropylene | 30 | DF-MBS10C21 |
| 10" | DOE / 4-Zone | 50 | polypropylene | 30 | DF-MBS50C21 |
| 10" | DOE / 4-Zone | 100 | polypropylene | 30 | DF-MBS100C21 |
| 20" | DOE / 4-Zone | 1 | polypropylene | 15 | DF-MBS1E21 |
| 20" | DOE / 4-Zone | 10 | polypropylene | 15 | DF-MBS10E21 |
| 20" | DOE / 4-Zone | 50 | polypropylene | 15 | DF-MBS50E21 |
| 20" | DOE / 4-Zone | 100 | polypropylene | 15 | DF-MBS100E21 |
| 30" | DOE / 4-Zone | 1 | polypropylene | 15 | DF-MBS1G21 |
| 30" | DOE / 4-Zone | 10 | polypropylene | 15 | DF-MBS10G21 |
| 30" | DOE / 4-Zone | 50 | polypropylene | 15 | DF-MBS50G21 |
| 30" | DOE / 4-Zone | 100 | polypropylene | 15 | DF-MBS100G21 |

# DF-PES-Series Cartridge Filters

New

### Sizes
- Diameters: 2.65" O.D.; 1" center I.D.
- Cartridge element lengths: 10" to 40"



### Features
- FDA title 21 compliant
- Cartridge elements are constructed in a clean room environment
- Cartridge elements have excellent dirt holding capacity with low flow resistance
- Cartridge elements are free of surfactants, resins, binders, and adhesives
- Low protein binding and chemical compatibility
- Naturally hydrophilic media does not need wetting before use

### Materials
- Cartridge element: polyethersulfone
- Core material: polypropylene
- Gasket/O-ring: nitrile rubber, FKM, PTFE, silicone, neoprene, and EPDM

### Specifications
- Maximum differential pressure: **45 PSID** (3.1 bar)
- Maximum operating pressure: **45 PSID** (3.1 bar)
- Maximum operating temperature: **180°F (82°C)**
- Micron ratings: .1, .22, .45, .60, .80, 1.2, and 5.0
- Sold in standard case quantities only, all sizes are 6 pcs/case

| Element Length | Style | Micron | Material | Case Qty | Part # |
|---|---|---|---|---|---|
| 10" | hard cage/222/closed | .22 | polyethersulfone/ polypropylene/silicone | 6 | DF-PES.22CE4S |
| 10" | hard cage/222/closed | .45 | polyethersulfone/ polypropylene/silicone | 6 | DF-PES.45CE4S |
| 20" | hard cage/222/closed | .22 | polyethersulfone/ polypropylene/silicone | 6 | DF-PES.22EE4S |
| 20" | hard cage/222/closed | .45 | polyethersulfone/ polypropylene/silicone | 6 | DF-PES.45EE4S |
| 30" | hard cage/222/closed | .22 | polyethersulfone/ polypropylene/silicone | 6 | DF-PES.22GE4S |
| 30" | hard cage/222/closed | .45 | polyethersulfone/ polypropylene/silicone | 6 | DF-PES.45GE4S |
| 10" | hard cage/226/fin | .22 | polyethersulfone/ polypropylene/silicone | 6 | DF-PES.22CE5S |
| 10" | hard cage/226/fin | .45 | polyethersulfone/ polypropylene/silicone | 6 | DF-PES.45CE5S |
| 20" | hard cage/226/fin | .22 | polyethersulfone/ polypropylene/silicone | 6 | DF-PES.22EE5S |
| 20" | hard cage/226/fin | .45 | polyethersulfone/ polypropylene/silicone | 6 | DF-PES.45EE5S |
| 30" | hard cage/226/fin | .22 | polyethersulfone/ polypropylene/silicone | 6 | DF-PES.22GE5S |
| 30" | hard cage/226/fin | .45 | polyethersulfone/ polypropylene/silicone | 6 | DF-PES.45GE5S |

## DF-PHE-Series Pleated High-Efficiency Cartridge Filters

New



### Sizes
- Diameters: 2.65"
- Cartridge element lengths: 9-3/4" to 40"

### Features
- FDA title 21 compliant
- Cartridge elements are constructed in a clean room environment
- Cartridge elements are free of surfactants, resins, binders, and adhesives

### Materials
- Cartridge element: polypropylene
- Gasket/O-ring: nitrile rubber, FKM, PTFE, silicone, neoprene, and EPDM

### Specifications
- Maximum operating pressure: **35 PSID** (2.4 bar)
- Recommended change out differential pressure: **35 PSID** (2.4 bar)
- Maximum operating temperature: **180°F (82°C)**
- Retention rating of 99.98%
- Micron ratings: .2, .45, 1, 3, 5,10, 25, and 50
- Available in hard cage (standard) or netted cage
- Sold in standard case quantities only, all sizes are 6 pcs/case

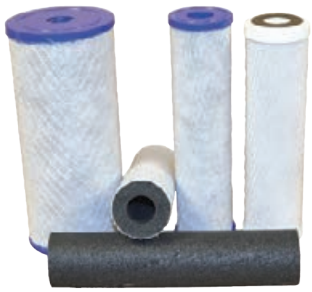
| Element Length | Style | Micron | Material | Case Qty | Part # |
|---|---|---|---|---|---|
| 10" | hard cage/doe/gasket | .45 | polypropylene/silicone | 6 | DF-PHB.45C1E9S |
| 10" | hard cage/doe/gasket | 1 | polypropylene/silicone | 6 | DF-PHB1CE9S |
| 20" | hard cage/doe/gasket | .45 | polypropylene/silicone | 6 | DF-PHB.45E1E9S |
| 20" | hard cage/doe/gasket | 1 | polypropylene/silicone | 6 | DF-PHB1E1E9S |
| 30" | hard cage/doe/gasket | .45 | polypropylene/silicone | 6 | DF-PHB.45G1E9S |
| 30" | hard cage/doe/gasket | 1 | polypropylene/silicone | 6 | DF-PHB1G1E9S |
| 10" | hard cage/222/closed | .45 | polypropylene/silicone | 6 | DF-PHB.45C1E4S |
| 10" | hard cage/222/closed | 1 | polypropylene/silicone | 6 | DF-PHB1CE4S |
| 20" | hard cage/222/closed | .45 | polypropylene/silicone | 6 | DF-PHB.45E1E4S |
| 20" | hard cage/222/closed | 1 | polypropylene/silicone | 6 | DF-PHB1E1E4S |
| 30" | hard cage/222/closed | .45 | polypropylene/silicone | 6 | DF-PHB.45G1E4S |
| 30" | hard cage/222/closed | 1 | polypropylene/silicone | 6 | DF-PHB1G1E4S |
| 10" | hard cage/226/fin | .45 | polypropylene/silicone | 6 | DF-PHB.45C1E6S |
| 10" | hard cage/226/fin | 1 | polypropylene/silicone | 6 | DF-PHB1C1E6S |
| 20" | hard cage/226/fin | .45 | polypropylene/silicone | 6 | DF-PHB.45E1E6S |
| 20" | hard cage/226/fin | 1 | polypropylene/silicone | 6 | DF-PHB1E1E6S |
| 30" | hard cage/226/fin | .45 | polypropylene/silicone | 6 | DF-PHB.45G1E6S |
| 30" | hard cage/226/fin | 1 | polypropylene/silicone | 6 | DF-PHB1G1E6S |

# DF-CB-Series Carbon Block Cartridge Filters

New

### Sizes
- Diameters: 2-1/2" and 4-1/2" O.D.
- Lengths: 9.75" to 40"

### Features
- Made in the USA
- FDA title 21 compliant
- One piece carbon block construction reduces bypassing
- No GAC by-pass or fluidizing
- Consistent density for controlled flow rates and pressure loss
- Reduce foul odors, chlorine taste and, particulate matter
- Proprietary carbon blend formula



### Materials
- Cartridge element: Extruded coconut carbon construction
- End caps: polypropylene and plastisol
- Gasket/O-ring: nitrile rubber, FKM, PTFE, silicone, neoprene, and EPDM

### Specifications
- Micron ratings: 1, 3, 5, and 10
- Recommended differential pressure up to **5 PSID (0.3 bar)**
- Maximum operating temperature: **180°F (82°C)**
- Sold in standard case quantities only
  - 10" are 30 pcs/case
  - 20" and above are 15 pcs/case

| Element Length | Micron Rating | Part # |
|---|---|---|
| 10" | 1 | DF-CB1C11B |
| | 3 | DF-CB3C11B |
| | 5 | DF-CB5C11B |
| | 10 | DF-CB10C11B |
| 20" | 1 | DF-CB1E11B |
| | 3 | DF-CB3E11B |
| | 5 | DF-CB5E11B |
| | 10 | DF-CB10E11B |
| 30" | 1 | DF-CB1G11B |
| | 3 | DF-CB3G11B |
| | 5 | DF-CB5G11B |
| | 10 | DF-CB10G11B |
| 40" | 1 | DF-CB1I11B |
| | 3 | DF-CB3I11B |
| | 5 | DF-CB5I11B |
| | 10 | DF-CB10I11B |

NOTE: Part numbers reflect 2-1/2" diameter, DOE (plastisol ends), and nitrile rubber gaskets.
For other options, please contact Dixon Sanitary at 800.789.1718..



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# Strainers

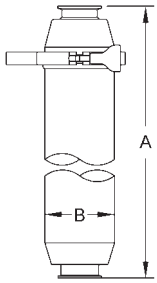
## In-line - BSCCQ



short

**Features**
- Ships standard with: spring, distributor cap, clamp gasket, 1/4" perforated back-up tube, squeeze clamp, inlet and outlet bodies
- Bevel seat, I-line, and weld ends available, call Dixon Sanitary at 800.789.1718 for information
- 1/8" perforated back-up tube available, must specify when ordering (not 3A)

**Approval**
- Must be verticaly mounted to be 3A compliant



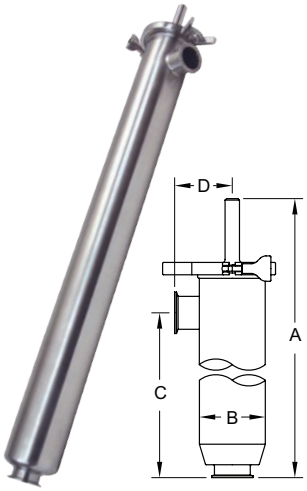

**Short**

| Size | Dimensions | | 316L Stainless Steel Part # |
|---|---|---|---|
| | A (in) | B (in) | |
| 1" | 15.75" | 4.00" | BSCCQ1-R100 |
| 1-1/2" | 15.75" | 4.00" | BSCCQ1-R150 |
| 2" | 15.75" | 4.00" | BSCCQ1-R200 |
| 2-1/2" | 15.75" | 4.50" | BSCCS1-R250 |
| 3" | 15.75" | 4.50" | BSCCS1-R300 |

**Long**

| Size | Dimensions | | 316L Stainless Steel Part # |
|---|---|---|---|
| | A (in) | B (in) | |
| 1-1/2" | 35.375" | 4.00" | BSCCQ2-R150 |
| 2" | 35.375" | 4.00" | BSCCQ2-R200 |
| 3" | 35.375" | 4.50" | BSCCS2-R300 |

## Side-Entry - BSCCQ

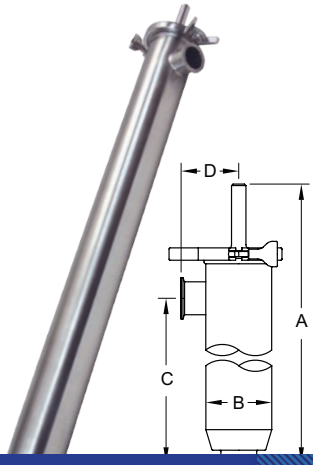



**Features**
- Ships standard with: spring, end cap with handle, distributor cap, clamp gasket, 1/4" perforated back-up tube, body, and squeeze clamp
- Serviceable without removing from the line
- Bevel seat, I-line, and weld ends available; call Dixon for information
- 1/8" perforated back-up tube available, must specify when ordering (not 3A certified)

**Approval**
- Must be a verticaly mounted to be 3A compliant

| Size | Dimensions | | | | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| | A (in) | B (in) | C (in) | D (in) | |
| 1-1/2" | 41.90" | 4.00" | 35.00" | 3.50" | BSCCQ3-R150 |
| 2" | 41.90" | 4.00" | 35.00" | 3.50" | BSCCQ3-R200 |
| 3" | 41.90" | 4.50" | 35.00" | 3.75" | BSCCQ3-R300 |

## Side-Outlet Reverse - BSCCQ




**Features**
- Ships standard with: spring, end cap with handle, distributor cap, clamp gasket, 1/4" perforated back-up tube, body, and squeeze clamp
- 1/8" perforated back-up tube available (not 3A certified)
- Bevel seat, I-line and weld ends available, call Dixon for information
- Can be serviced in-line

| Size | Dimensions | | | | 316L Stainless Steel Part # |
|---|---|---|---|---|---|
| | A (in) | B (in) | C (in) | D (in) | |
| 1-1/2" | 41.90" | 4.00" | 35.00" | 3.50" | BSCCQ4-R150 |
| 2" | 41.90" | 4.00" | 35.00" | 3.50" | BSCCQ4-R200 |



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# Strainers

## Filters

**Features**

- Filter medium are special order and minimum quantities apply, not included with base unit
- Filters require retaining ring

### Short

| Size | Micron Rating | Description | Part # |
|---|---|---|---|
| 1" - 2" | 38 | nonwoven rayon (glued seam) | BF30A-100-200 |
| 2-1/2" - 3" | 38 | nonwoven rayon (glued seam) | BF30A-250-300 |
| 1" - 2" | 513 | woven knapped cotton flannel | BF30B-100-200 |
| 2-1/2" - 3" | 513 | woven knapped cotton flannel | BF30B-250-300 |
| 1" - 2" | 300 | cheese cloth, single thickness cotton | BF30C-100-200 |
| 2-1/2" - 3" | 300 | cheese cloth, single thickness cotton | BF30C-250-300 |
| 1" - 2" | 765 | nylon, 26/29 mesh, rectangular opening, (.025 x .030) | BF30D-100-200 |
| 2-1/2" - 3" | 765 | nylon, 26/29 mesh, rectangular opening, (.025 x .030) | BF30D-250-300 |
| 1" - 2" | 40-42 | nonwoven rayon | BF30E-100-200 |
| 2-1/2" - 3" | 40-42 | nonwoven rayon | BF30E-250-300 |
| 1" - 2" | 40 | nonwoven rayon | --- |
| 1" - 2" | 420 | woven nylon, 40 mesh | BF30G-100-200 |
| 2-1/2" - 3" | 420 | woven nylon, 40 mesh | BF30G-250-300 |

### Long

| Size | Micron Rating | Description | Part # |
|---|---|---|---|
| 1" - 2" | 40-42 | nonwoven rayon | BF302E-100-200 |
| 2-1/2" - 3" | 40-42 | nonwoven rayon | BF302E-250-300 |
| 2-1/2" - 3" | 420 | woven nylon, 40 mesh | BF302G-250-300 |

# Strainers

## 316 Stainless Wire Cloth Mesh Over Screens

### Features

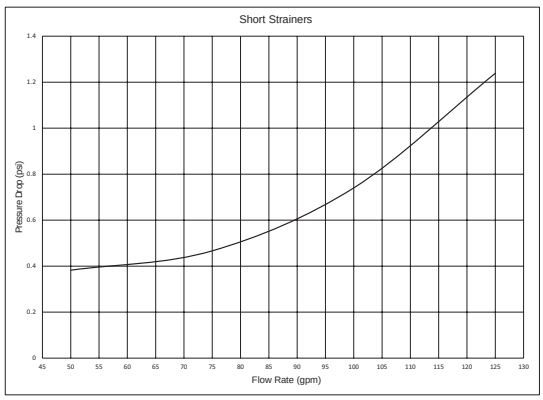
- Not all sizes are stocked, additional sizes are available (five piece minimum); call Dixon Sanitary at 800.789.1718.
- Not 3A compatible; not included with base unit

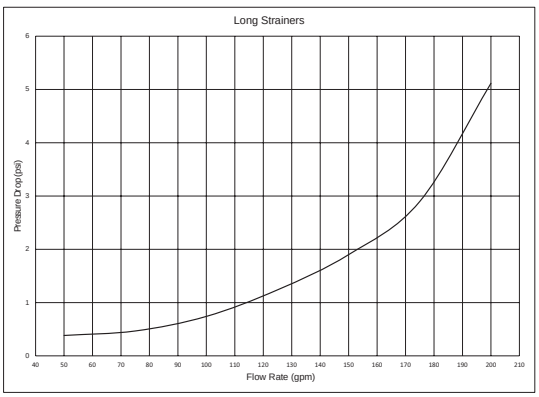
| Size | Micron Rating | Square Mesh | Space Between Wires | Percent of Open Area | Short Part # | Long Part # |
|---|---|---|---|---|---|---|
| 1" - 2" | 864 | 20 | 0.034" | 46.2 | BS20-100-200 | BS202-100-200 |
| 2-1/2" - 3" | | | | | BS20-250-300 | BS202-250-300 |
| 1" - 2" | 381 | 40 | 0.015" | 36.0 | BS40-100-200 | BS402-100-200 |
| 2-1/2" - 3" | | | | | BS40-250-300 | BS402-250-300 |
| 1" - 2" | 229 | 60 | 0.009" | 30.3 | BS60-100-200 | BS602-100-200 |
| 2-1/2" - 3" | | | | | BS60-250-300 | BS602-250-300 |
| 1" - 2" | 178 | 80 | 0.007" | 31.4 | BS80-100-200 | BS802-100-200 |
| 2-1/2" - 3" | | | | | BS80-250-300 | BS802-250-300 |
| 1" - 2" | 140 | 100 | 0.006" | 30.3 | BS100-100-200 | BS1002-100-200 |
| 2-1/2" - 3" | | | | | BS100-250-300 | BS1002-250-300 |

## Pressure Drop Curves for Filter and Strainer

### Specifications

- Water at ambient temperature:
  Maximum flow for short units is **125 GPM**
  Maximum flow for long units is **175 GPM**






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# DX60-Series Hygienic Tanker Valves

## Applications
• Used on food-grade stainless steel bulk transport trailers to safely and hygienically load and unload various products including milk, juices, chocolate, glycerin, and many types of food-grade oils

## Size
• 3"



## Features
• Valve housing machined from solid bar
• Hygienic single-acting wiper seal improves cleanability and durability
• Easy-lock plunger for locking valve in open position
• Patent-pending closure system to eliminate the pinch point
• Bonnet design uses standard sanitary clamp for easy removal

## Materials
• Valve: 304 stainless steel
• Seals: FKM or nitrile rubber
• Cover: aluminum

## Specifications
• Holding pressure: **75 PSI**
• Surface I.D. finish: <32Ra
• Connections: flange x male threaded bevel
• Temperature range: **-20°F** to **212°F** (**-28.9°C** to **100°C**)

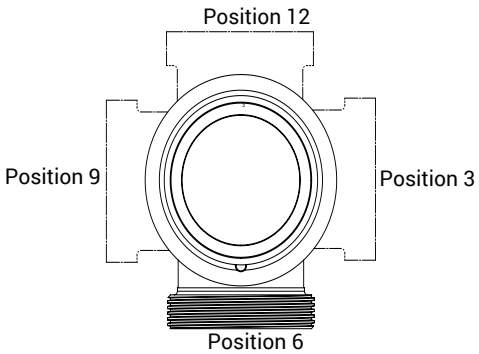
## Approval
• 3A-Authorization Number 1655, 53-06 (Compression-Type Valves) for CIP and COP

| Size | Cover Style | Part # |
|---|---|---|
| 3" | with aluminum cover | DX603010A1GV1 |
| | without aluminum cover | DX603010A1GV2 |

NOTE: All part numbers include 3", L body style, flange to trailer x male threaded bevel, 304 stainless steel construction, standard rod, and FKM gaskets.
For other configurations, contact Dixon Sanitary at 800.789.1718

M

## Valve Body Style Port Configurations



# 2-Way, 3-Piece Encapsulated Ball Valves



## Features

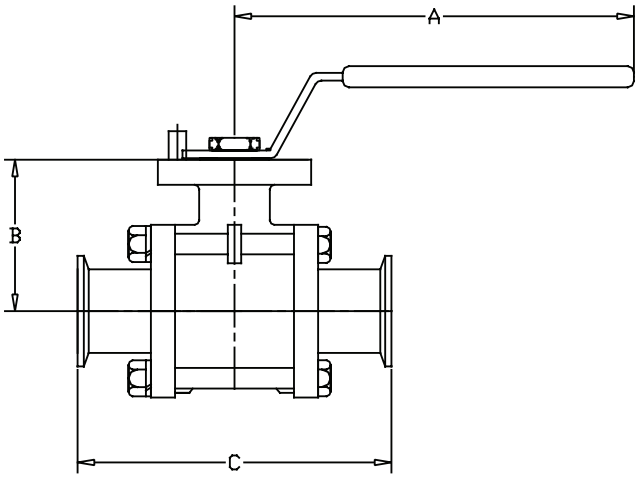
- Live-loaded stem packing
- Precision stainless steel balls reduce torque and friction losses while extending seat life
- Integral ISO 5211 mounting pad
- I.D. polish is Ra 32 minimum
- Lockable handle can prevent accidental actuation
- Standard internal entry blowout-proof stem design
- Full port design matches ball and seat ports to tube I.D. for lower pressure drop and less turbulent flow
- Compact design for areas with tight space restrictions
- Fully encapsulated construction produces bubble tight seal
- Identification tagging available
- Balanced encapsulated construction minimizes cold flow

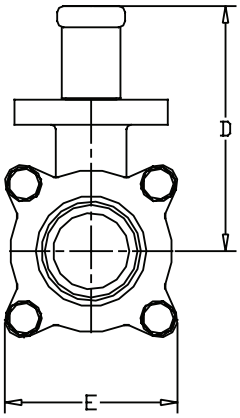
## Materials

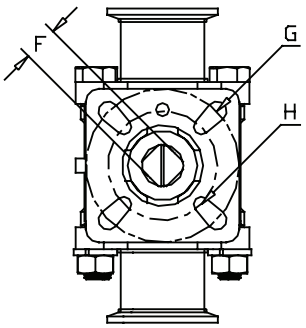
- Body, ends, and ball: CF8M stainless
- Seats: virgin PTFE, 15% glass reinforced RTFE, 25% carbon reinforced PTFE, 50% stainless steel reinforced PTFE or UHMW

## Specifications

- Maximum pressure rating: 1/2" - 2" **1000 PSI** WOG, 2-1/2" - 4" **800 PSI** WOG
- For valve seat options, call Dixon Sanitary at 800.789.1718
- Repair kits available




M

| Size | Dimensions | | | | | | | | 316 Stainless Steel Part # |
|---|---|---|---|---|---|---|---|---|---|
| | A (in) | B (in) | C (in) | D (in) | E (in) | F (mm) | G (mm) | H (mm) | |
| 1/2" | 4.9 | 1.5 | 4.3 | 3.1 | 2.0 | 9 | 42 | 36 | BV2CV-050CC-A |
| 3/4" | 4.9 | 1.8 | 4.7 | 3.4 | 2.2 | 9 | 42 | 36 | BV2CV-075CC-A |
| 1" | 5.4 | 2.1 | 4.9 | 3.6 | 2.4 | 11 | 50 | 42 | BV2CV-100CC-A |
| 1-1/2" | 9.3 | 2.7 | 5.6 | 4.4 | 3.2 | 14 | 70 | 50 | BV2CV-150CC-A |
| 2" | 9.3 | 3.1 | 6.4 | 4.7 | 3.8 | 14 | 70 | 50 | BV2CV-200CC-A |
| 2-1/2" | 18.0 | 3.8 | 7.8 | 5.2 | 4.9 | 17 | 102 | 70 | BV2CV-250CC-A |
| 3" | 18.3 | 4.2 | 9.0 | 5.7 | 5.4 | 17 | 102 | 70 | BV2CV-300CC-A |
| 4" | 18.3 | 5.3 | 9.6 | 6.9 | 8.7 | 22 | 125 | 102 | BV2CV-400CC-A |

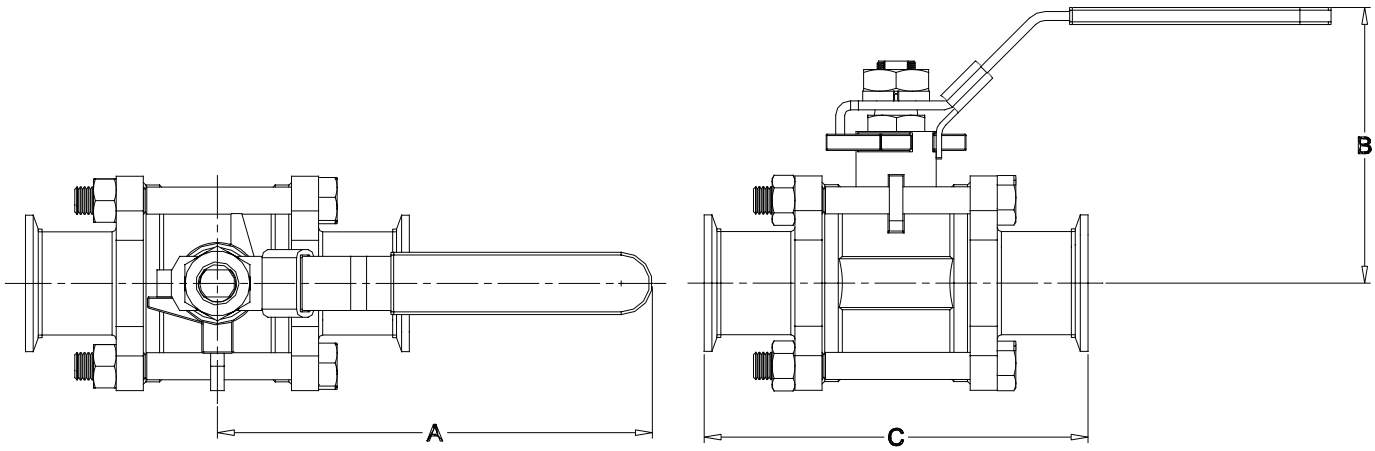
# Non-Encapsulated 2-Way, 3-Piece Stainless Steel Ball Valves

## Features
- Blowout-proof stem
- Live-loaded stem packing
- I.D. polish is Ra 32
- Lockable handle



## Materials
- Body, ends, and ball: CF8M stainless
- Seats: 15% glass reinforced PTFE

## Specifications
- Maximum pressure rating: 1/2" - 2" **1000 PSI WOG**, 2-1/2" - 4" **800 PSI WOG**
- Maximum temperature: **300°F (149°C)**
- Repair kits available




M

| Size | Dimensions | | | 316 Stainless Steel Part # |
|---|---|---|---|---|
| | A (in) | B (in) | C (in) | |
| 1/2" | 4.1 | 2.3 | 4.6 | BV2GG-050CC-A |
| 3/4" | 4.1 | 2.5 | 4.7 | BV2GG-075CC-A |
| 1" | 5.0 | 2.8 | 4.9 | BV2GG-100CC-A |
| 1-1/2" | 6.1 | 3.5 | 5.6 | BV2GG-150CC-A |
| 2" | 7.6 | 3.9 | 6.4 | BV2GG-200CC-A |
| 2-1/2" | 7.6 | 4.4 | 7.8 | BV2GG-250CC-A |
| 3" | 10.9 | 4.9 | 9.0 | BV2GG-300CC-A |
| 4" | 13.2 | 6.6 | 9.6 | BV2GG-400CC-A |

NOTE: Dimensions are approximate. Engineering dimensions are available upon request. Specifications are subject to change without notice.

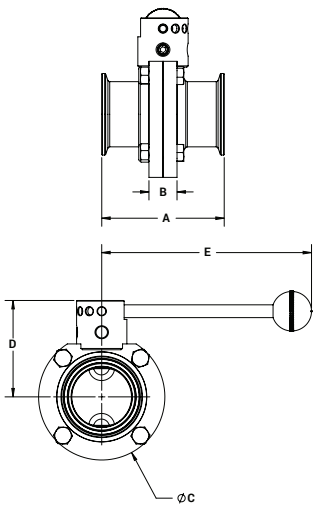
# Butterfly Valves - B5107

### Features
- Low resistance to flow
- Bi-directions flow
- Gentle to media
- Suitable for low and medium viscosity fluids
- Can be serviced in the field
- Self-draining
- Various manual or automatic operators available; call Dixon Sanitary for details 800.789.1718
- Optional wing nut kit is available for easy assembly and disassembly
- 100% hydraulic tested / 100% inspected

### Materials
- Body and disc: 316L
- Seat: EPDM, FKM, (6" EPDM and silicone, 8" EPDM only)

### Specifications
- Vacuum rating: 0.4 inches Hg at **68°F (20°C)**
- Operating temperature range: **15°F** to **200°F (-9°C** to **93°C)**






M

### Clamp End with Pull Handle - [A]

| Size | 316L Stainless Steel with Silicone Seats Part # | 316L Stainless Steel with FKM Seats Part # | 316L Stainless Steel with EPDM Seats Part # |
|---|---|---|---|
| 1/2" | B5107S050CC-A | B5107V050CC-A | B5107E050CC-A |
| 3/4" | B5107S075CC-A | B5107V075CC-A | B5107E075CC-A |
| 1" | B5107S100CC-A | B5107V100CC-A | B5107E100CC-A |
| 1-1/2" | B5107S150CC-A | B5107V150CC-A | B5107E150CC-A |
| 2" | B5107S200CC-A | B5107V200CC-A | B5107E200CC-A |
| 2-1/2" | B5107S250CC-A | B5107V250CC-A | B5107E250CC-A |
| 3" | B5107S300CC-A | B5107V300CC-A | B5107E300CC-A |
| 4" | B5107S400CC-A | B5107V400CC-A | B5107E400CC-A |
| 6" | B5107S600CC-A | --- | B5107E600CC-A |
| 8" | --- | --- | B5107E800CC-A |

NOTE: 4" high-pressure butterfly valve is available; call Dixon Sanitary at 800.789.1718 for more information

| Size | Dimensions | | | | |
|---|---|---|---|---|---|
| | A (in) | B (in) | C (in) | D (in) | E (in) |
| 1/2" | 3.50 | .90 | 3.10 | 2.60 | 4.60 |
| 3/4" | 3.50 | .90 | 3.10 | 2.60 | 4.60 |
| 1" | 3.50 | .90 | 3.10 | 2.60 | 4.60 |
| 1-1/2" | 3.50 | .90 | 3.10 | 2.60 | 4.60 |
| 2" | 3.80 | .90 | 3.90 | 3.00 | 4.60 |
| 2-1/2" | 3.80 | .90 | 4.60 | 3.40 | 4.60 |
| 3" | 4.10 | 1.20 | 5.20 | 3.50 | 6.50 |
| 4" | 4.80 | 1.20 | 6.70 | 4.30 | 6.50 |
| 6" | 5.50 | 1.20 | 8.50 | 5.60 | 11.70 |
| 8" | 5.00 | 1.20 | 11.20 | 7.80 | 18.10 |

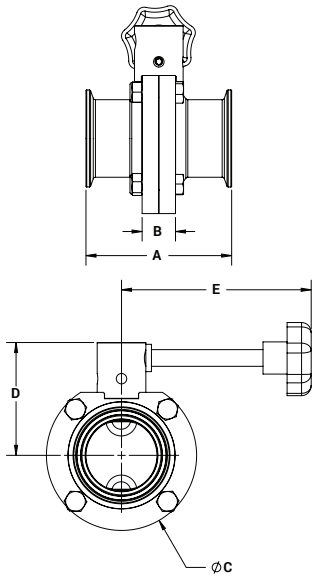
# Butterfly Valves - B5107

## Clamp End with Infinite Position Handle - [B]



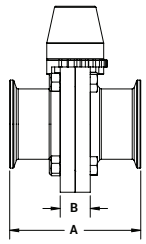
| Size | 316L Stainless Steel with Silicone Seats Part # | 316L Stainless Steel with FKM Seats Part # | 316L Stainless Steel with EPDM Seats Part # |
|---|---|---|---|
| 1/2" | B5107S050CC-B | B5107V050CC-B | B5107E050CC-B |
| 3/4" | B5107S075CC-B | B5107V075CC-B | B5107E075CC-B |
| 1" | B5107S100CC-B | B5107V100CC-B | B5107E100CC-B |
| 1-1/2" | B5107S150CC-B | B5107V150CC-B | B5107E150CC-B |
| 2" | B5107S200CC-B | B5107V200CC-B | B5107E200CC-B |
| 2-1/2" | B5107S250CC-B | B5107V250CC-B | B5107E250CC-B |
| 3" | B5107S300CC-B | B5107V300CC-B | B5107E300CC-B |
| 4" | B5107S400CC-B | B5107V400CC-B | B5107E400CC-B |

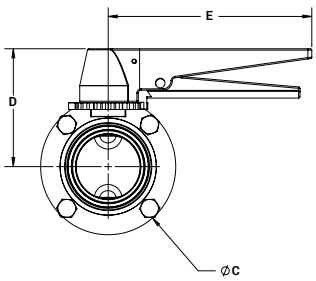
| Size | Dimensions | | | | |
|---|---|---|---|---|---|
| | A (in) | B (in) | C (in) | D (in) | E (in) |
| 1/2" | 3.50 | .90 | 3.10 | 2.60 | 4.90 |
| 3/4" | 3.50 | .90 | 3.10 | 2.60 | 4.90 |
| 1" | 3.50 | .90 | 3.10 | 2.60 | 4.90 |
| 1-1/2" | 3.50 | .90 | 3.10 | 2.60 | 4.90 |
| 2" | 3.80 | .90 | 3.90 | 3.00 | 4.90 |
| 2-1/2" | 3.80 | .90 | 4.60 | 3.40 | 4.90 |
| 3" | 4.10 | 1.20 | 5.20 | 3.50 | 6.60 |
| 4" | 4.80 | 1.20 | 6.70 | 4.30 | 6.60 |



# Butterfly Valves - B5107






## Clamp End with Trigger Handle - [C]

| Size | 316L Stainless Steel with Silicone Seats Part # | 316L Stainless Steel with FKM Seats Part # | 316L Stainless Steel with EPDM Seats Part # |
|---|---|---|---|
| 1/2" | B5107S050CC-C | B5107V050CC-C | B5107E050CC-C |
| 3/4" | B5107S075CC-C | B5107V075CC-C | B5107E075CC-C |
| 1" | B5107S100CC-C | B5107V100CC-C | B5107E100CC-C |
| 1-1/2" | B5107S150CC-C | B5107V150CC-C | B5107E150CC-C |
| 2" | B5107S200CC-C | B5107V200CC-C | B5107E200CC-C |
| 2-1/2" | B5107S250CC-C | B5107V250CC-C | B5107E250CC-C |
| 3" | B5107S300CC-C | B5107V300CC-C | B5107E300CC-C |
| 4" | B5107S400CC-C | B5107V400CC-C | B5107E400CC-C |

| Size | Dimensions | | | | |
|---|---|---|---|---|---|
| | A (in) | B (in) | C (in) | D (in) | E (in) |
| 1/2" | 3.50 | .90 | 3.10 | 2.60 | 5.90 |
| 3/4" | 3.50 | .90 | 3.10 | 2.60 | 5.90 |
| 1" | 3.50 | .90 | 3.10 | 2.60 | 5.90 |
| 1-1/2" | 3.50 | .90 | 3.10 | 2.60 | 5.90 |
| 2" | 3.80 | .90 | 3.90 | 3.00 | 5.90 |
| 2-1/2" | 3.80 | .90 | 4.60 | 3.40 | 5.90 |
| 3" | 4.10 | 1.20 | 5.20 | 3.50 | 5.90 |
| 4" | 4.80 | 1.20 | 6.70 | 4.30 | 5.90 |

## Repair Kits for Butterfly Valves

**Features**

- Repair kit contains:
  (1) seat
  (2) bushings
- For valves located on pages 739 - 740



| Valve Size | Black EPDM Part # | Red Silicone Part # | Brown FKM Part # |
|---|---|---|---|
| 1/2" - 1" | B5107-RKE100 | B5107-RKS100 | B5107-RKV100 |
| 1-1/2" | B5107-RKE150 | B5107-RKS150 | B5107-RKV150 |
| 2" | B5107-RKE200 | B5107-RKS200 | B5107-RKV200 |
| 2-1/2" | B5107-RKE250 | B5107-RKS250 | B5107-RKV250 |
| 3" | B5107-RKE300 | B5107-RKS300 | B5107-RKV300 |
| 4" | B5107-RKE400 | B5107-RKS400 | B5107-RKV400 |
| 6" | B5107-RKE600 | B5107-RKS600 | --- |
| 8" | B5107-RKE800 | --- | --- |

# Butterfly Valves - B5102

## Clamp

### Features

- All sizes use only 3/4" of line space
- The grooved clamp housing connects directly to the corresponding sanitary clamp size
- PTFE valve disc bushings reduce friction and increase cycle life
- 3-position reversible handle
- 100% tested / 100% inspected
- Can be serviced in field (no special tools required)
- Can be modified for lockout / tagout
- Various automated options available

### Materials

- Contact product surfaces: sanitary finish 316L stainless steel
- Seat: silicone, EPDM, FKM

### Specifications

- Vacuum rating: 0.4 inches Hg @ **68°F (20°C)**
- Operating temperature range: **15°F** to **200°F (-9°C** to **93°C)**

Information supplied based on water media @ **68°F (20°C)**

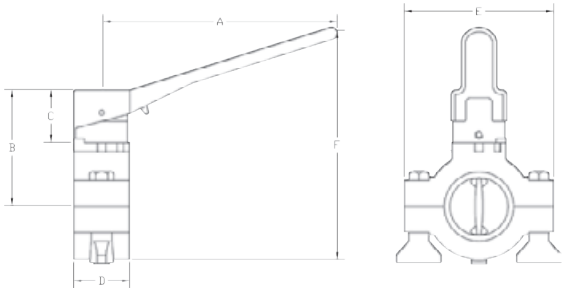
| Size | Break Torque (in. lbs.) | Assembly Torque (in. lbs.) | Pressure Rating (PSI) | Flow Coefficent ($C_V$) | Weight w/standard handle (lbs.) |
|---|---|---|---|---|---|
| 1" | 125 | 36 | **140** | 23 | 1.5 |
| 1-1/2" | 185 | 36 | **140** | 80 | 2 |
| 2" | 200 | 21.6 | **120** | 230 | 2.5 |
| 2-1/2" | 260 | 21.6 | **120** | 264 | 3 |
| 3" | 350 | 28.8 | **100** | 372 | 4 |
| 4" | 495 | 43.2 | **70** | 800 | 6 |

| Size | 316L Stainless Steel with Silicone Seats Part # | 316L Stainless Steel with FKM Seats Part # | 316L Stainless Steel with EPDM Seats Part # |
|---|---|---|---|
| 1" | B5102S100-A | B5102V100-A | B5102E100-A |
| 1-1/2" | B5102S150-A | B5102V150-A | B5102E150-A |
| 2" | B5102S200-A | B5102V200-A | B5102E200-A |
| 2-1/2" | B5102S250-A | B5102V250-A | B5102E250-A |
| 3" | B5102S300-A | B5102V300-A | B5102E300-A |
| 4" | B5102S400-A | B5102V400-A | B5102E400-A |



M

| Size | Dimensions | | | | | | PSI @ 68°F (20°C) |
|---|---|---|---|---|---|---|---|
| | A (in) | B (in) | C (in) | D (in) | E (in) | F (in) | |
| 1" | 5.6 | 2.8 | 1.3 | 1.3 | 3.6 | 5.6 | **140** |
| 1-1/2" | 5.6 | 2.8 | 1.3 | 1.3 | 3.6 | 5.6 | **140** |
| 2" | 5.6 | 3.0 | 1.3 | 1.3 | 4.1 | 6.1 | **120** |
| 2-1/2" | 5.6 | 3.3 | 1.3 | 1.3 | 4.6 | 6.6 | **120** |
| 3" | 5.6 | 3.6 | 1.3 | 1.3 | 5.3 | 7.1 | **100** |
| 4" | 5.6 | 4.1 | 1.3 | 1.3 | 6.4 | 8.2 | **70** |




## Repair Kits for Clamp Butterfly Valves

### Feature

- Repair kit contains
  (1) seat
  (2) bushings

| Valve Size | Black EPDM Part # | Red Silicone Part # | Brown FKM Part # |
|---|---|---|---|
| 1" | B5102-RKE100 | B5102-RKS100 | B5102-RKV100 |
| 1-1/2" | B5102-RKE150 | B5102-RKS150 | B5102-RKV150 |
| 2" | B5102-RKE200 | B5102-RKS200 | B5102-RKV200 |
| 2-1/2" | B5102-RKE250 | B5102-RKS250 | B5102-RKV250 |
| 3" | B5102-RKE300 | B5102-RKS300 | B5102-RKV300 |



# B5116-Series - 304 Stainless Steel Butterfly Valves

## Features

- Manual operation only; cannot be actuated
- Product contact are sanitary finish to <32Ra
- Can be serviced in field
- Blue trigger handle

## Material

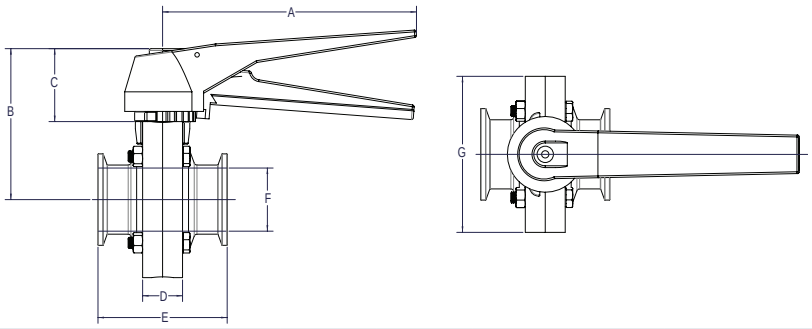
- Silicone seats

## Specifications

- Operating temperature range: **15°F** to **200°F (-9°C** to **93°C)**
- Maximum operating pressure: **110 PSI**

### Clamp End with Trigger Handle

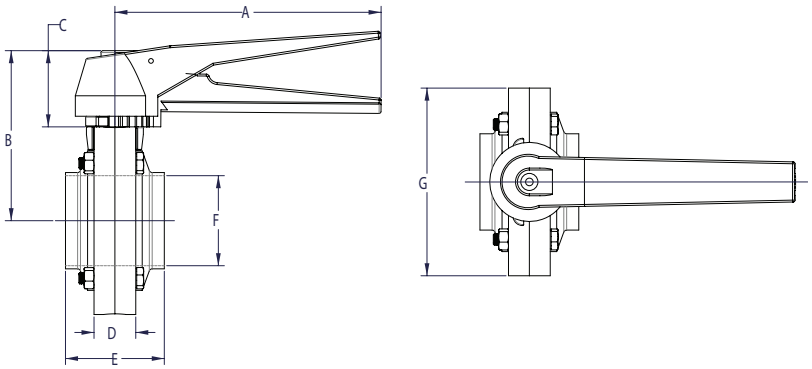





| Size | Dimensions | | | | | | | 304 Stainless Steel Part # |
|---|---|---|---|---|---|---|---|---|
| | A (in) | B (in) | C (in) | D (in) | E (in) | F (in) | G (in) | |
| 1-1/2" | 5.70 | 3.40 | 1.60 | 0.87 | 2.80 | 1.40 | 3.40 | B5116S150CC-C |
| 2" | 5.70 | 3.60 | 1.60 | 0.87 | 3.00 | 1.90 | 3.90 | B5116S200CC-C |
| 3" | 5.70 | 4.20 | 1.60 | 0.87 | 3.30 | 2.90 | 5.00 | B5116S300CC-C |
| 4" | 6.89 | 5.51 | 1.60 | 0.87 | 3.62 | 3.83 | 6.89 | B5116S400CC-C |

### Weld End with Trigger Handle






| Size | Dimensions | | | | | | | 304 Stainless Steel Part # |
|---|---|---|---|---|---|---|---|---|
| | A (in) | B (in) | C (in) | D (in) | E (in) | F (in) | G (in) | |
| 1-1/2" | 5.70 | 3.40 | 1.60 | 0.87 | 1.97 | 1.40 | 3.40 | B5116S150BB-C |
| 2" | 5.70 | 3.60 | 1.60 | 0.87 | 2.05 | 1.90 | 3.90 | B5116S200BB-C |
| 3" | 5.70 | 4.20 | 1.60 | 0.87 | 2.12 | 2.90 | 5.00 | B5116S300BB-C |
| 4" | 6.89 | 5.51 | 1.60 | 0.87 | 2.52 | 3.83 | 6.89 | B5116S400BB-C |

### Replacement Seats

| Size | Part # |
|---|---|
| 1-1/2" | B5116-RKS150 |
| 2" | B5116-RKS200 |
| 3" | B5116-RKS300 |
| 4" | B5116-RKS400 |



GOODYEAR RUBBER PRODUCTS, INC.
727-342-5088
You can also email us at GRP@goodyearrubberproducts.com

## EHSC-Series Spring Check Valve

3A 1447
58-01



### Features

- Single piece upper body spider design
- Machined from solid bar
- Standard O-ring and gasket seal design
- Can be serviced in field (no special tools required)
- Finish: sanitary polish 32Ra
- Suitable for low and medium viscosity fluids
- Connection: clamp (standard), others available upon request

| Size | Pressure Rating | Cracking Pressure (PSI) | Operating Temperature | HSC EPDM 316L Stainless Steel Part # | HSC FKM 316L Stainless Steel Part # | EHSC EPDM 316L Stainless Steel Part # | EHSC EPDM 316L Stainless Steel Part # |
|---|---|---|---|---|---|---|---|
| 1/2" | 145 PSI | 10.0 | 15°F to 200°F (-9°C to 93°C) | HSCE050 | HSCV050 | EHSCE050 | EHSCV050 |
| 3/4" | | 4.0 | | HSCE075 | HSCV075 | EHSCE075 | EHSCV075 |
| 1" | | 2.5 | | HSCE100 | HSCV100 | EHSCE100 | EHSCV100 |
| 1-1/2" | | 1.0 | | HSCE150 | HSCV150 | EHSCE150 | EHSCV150 |
| 2" | | 1.5 | | HSCE200 | HSCV200 | EHSCE200 | EHSCV200 |
| 2-1/2" | | 0.8 | | HSCE250 | HSCV250 | EHSCE250 | EHSCV250 |
| 3" | | 0.5 | | HSCE300 | HSCV300 | EHSCE300 | EHSCV300 |
| 4" | | 0.4 | | HSCE400 | HSCV400 | EHSCE400 | EHSCV400 |

### Repair Kits

| Size | FKM Part # | EPDM Part # |
|---|---|---|
| 1/2" | HSC-RKV050 | HSC-RKE050 |
| 3/4" | HSC-RKV075 | HSC-RKE075 |
| 1" | HSC-RKV100 | HSC-RKE100 |
| 1-1/2" | HSC-RKV150 | HSC-RKE150 |
| 2" | HSC-RKV200 | HSC-RKE200 |
| 2-1/2" | HSC-RKV250 | HSC-RKE250 |
| 3" | HSC-RKV300 | HSC-RKE300 |
| 4" | HSC-RKV400 | HSC-RKE400 |

1/2"-3/4" repair kit contains:
(1) body gasket
(1) plunger O-ring
(1) spider O-ring

1"-4" repair kit contains:
(1) body gasket
(1) plunger O-ring

M

### Dimensions

| Size | A (in) |
|---|---|
| 1/2" | 2.7 |
| 3/4" | 2.7 |
| 1" | 3.3 |
| 1-1/2" | 3.4 |
| 2" | 3.4 |
| 2-1/2" | 3.4 |
| 3" | 3.4 |
| 4" | 4.1 |



A3
1447



## HYC-Series Y - Ball Check Valve

### Applications
- When liquid flows through the valve, the ball is forced into the branch of the valve allowing full fluid flow; when the liquid stops, equalizing the pressure, the ball drops back into the seat, preventing backflow; should reverse flow occur, the differential pressure will cause the ball to seal firmly against the seat preventing leakage

### Features
- Two-piece construction
- Replaceable seat
- Can be serviced in field (no special tools required)

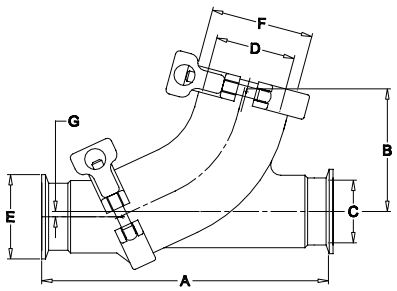
### Materials
- Ball: PTFE
- Product contact surfaces: 316L stainless steel

### Specifications
- Operating temperature range: **15°F** to **200°F (-9°C** to **93°C)**
- Maximum operating pressure: **150 PSI**

| Size | Part # |
|---|---|
| 1-1/2" | HYCEP150CCA |
| 2" | HYCEP200CCA |
| 2-1/2" | HYCEP250CCA |
| 3" | HYCEP300CCA |

NOTE: All part numbers include clamp connections, EPDM seat material, PTFE ball, and #7 polish.
For other configurations, contact Dixon Sanitary at 800.789.1718

### Dimensions




| Valve Size | Clamp & Cap Size | A (in) | B (in) | C (in) | D (in) | E (in) | F (in) | G (in) | Ball Diameter (in) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1-1/2" | 2" | 7.50 | 3.30 | 1.36 | 1.87 | 1.98 | 2.51 | .16 | 1.6 | 4.9 |
| 2" | 2-1/2" | 8.50 | 3.90 | 1.86 | 2.33 | 2.51 | 3.04 | .16 | 2.1 | 6.6 |
| 2-1/2" | 3" | 10.00 | 4.50 | 2.37 | 2.87 | 3.04 | 3.57 | .16 | 2.7 | 10.5 |
| 3" | 4" | 11.50 | 5.30 | 2.87 | 3.83 | 3.57 | 4.68 | .16 | 3.6 | 17.5 |

All dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

### Repair and Seal Kits

Repair kit contains:
(1) EPDM cap gasket
(1) PTFE ball
(1) EPDM/CF8M seat

Seal kit contains:
(1) EPDM cap gasket
(1) EPDM/CF8M seat

FKM seal kit contains:
(1) FKM cap gasket
(1) FKM /CF8M seat

| Size | Repair Kit Part # | Seal Kit Part # | FKM Seal Kit Part # | Replacement Ball Only Part # |
|---|---|---|---|---|
| 1-1/2" | B45BY-RK150 | B45BY-SK150 | B45BY-SKV150 | B45BY-TB150 |
| 2" | B45BY-RK200 | B45BY-SK200 | B45BY-SKV200 | B45BY-TB200 |
| 2-1/2" | B45BY-RK250 | B45BY-SK250 | B45BY-SKV250 | B45BY-TB250 |



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# B45 Air Blow Check Valves








Can be used on the Dixon® B45BY Series Y-Ball Check Valves



## Feature
- Filter discs sold separately in packs of 50

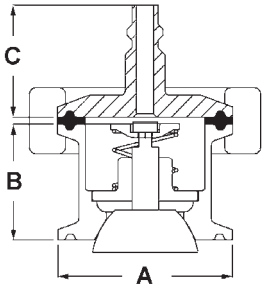
## Materials
- 316L stainless steel
- Stem seat and gasket: EPDM

## Specifications
- Maximum operating temperature: **212°F (100°C)**
- Maximum operating pressure: **145 PSI**

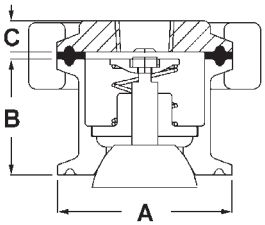
## Approval
- Conforms to 3A standards for filtration of air entering tanks or pipelines with optional filter disc

| Size | Quick-Connect Plug Part # | Female NPT Part # | Hose Barb Part # |
|---|---|---|---|
| 1-1/2" | B45AB-R100150 | B45BC-R100150 | B45CC-R100150 |
| 2" | B45AB-R200 | B45BC-R200 | B45CC-R200 |
| 2-1/2" | B45AB-R250 | B45BC-R250 | B45CC-R250 |
| 3" | B45AB-R300 | B45BC-R300 | B45CC-R300 |
| 4" | B45AB-R400 | B45BC-R400 | B45CC-R400 |

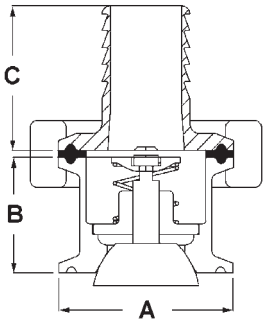
## Dimensions



B45AB



B45BC



B45CC

| Size | A (in) | B (in) | C (in) Plug | C (in) FNPT | C (in) Hose Barb |
|---|---|---|---|---|---|
| 1"-1-1/2" | 1.984 | 1.30 | 1.26 | .6 | 1.7 |
| 2" | 2.516 | 1.30 | 1.26 | .6 | 1.7 |
| 2-1/2" | 3.047 | 1.30 | 1.26 | .6 | 1.7 |
| 3" | 3.579 | 1.30 | 1.26 | .6 | 1.7 |
| 4" | 4.682 | 1.30 | 1.26 | .6 | 1.7 |

NOTE: All dimensions are approximate. Engineering dimensions are available upon request. Specifications are subject to change without notice.

## Repair Kit

Repair kit, B45AB-RK, contains
(1) EPDM / 316L stainless perforated disc
(1) 304 stainless spring retainer
(1) 304 stainless spring
(1) nylon stem guide
(1) 316L / EPDM stem and plug

## Sizing Chart

When using air blow check valves with ball check valves, refer to the sizing chart below.

| Ball Check Valve Size | Air Blow Check Valve Size |
|---|---|
| 1-1/2" | 2" |
| 2" | 2-1/2" |
| 2-1/2" | 3" |



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3A 1447
58-20

## HAV-Series Air Relief Check Valves

Used to bleed a line when an air pocket has formed because of the installation and requires the valve to be installed at the top of the line.

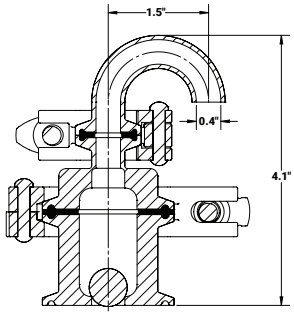
Also used to bleed off a tube on the suction side of a pump. The suction side is bled automatically before the pump starts, creating a vacuum. In this application, the valve is mounted in front of the pump, on the top of the inlet tube.

The air relief valve allows air to be removed from a line or container without the liquid flowing out. It does not allow air to enter the line or container, even if subjected to a negative pressure.

They are found in food processing, beverage, dairy, personal care, winery, brewery, pet product, and industrial markets.

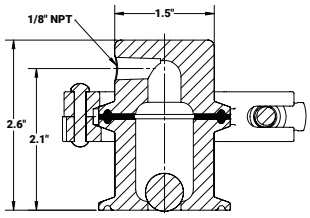
NOTE: 3A approved only when used with elbow extension.





SECTION B-B





SECTION A-A

### Sizes
- 1-1/2" to 2"

### Features
- No special tools required
- Ball and gaskets are replaceable
- Valve seals are for both pressure and vacuum

### Materials
- Materials of construction technical data:
  - product contact components: 304 stainless steel
  - ball: polypropylene (standard) or PTFE
  - gasket: EPDM (standard); others available upon request

### Specifications
- Product temperature technical data:
  - maximum operating temperature: **212°F (100°C)**
- Product pressure technical data:
  - maximum operating pressure: **145 PSI**
- Surface finish technical data:
  - product contact components: Ra ≤ 32
  - others available upon request

| Size | 3A Elbow Part # | NPT Part # |
|---|---|---|
| 1-1/2" | HAV3EA150 | HAVNEA150 |
| 2" | HAV3EA200 | HAVNEA200 |

NOTE: All part numbers include clamp connections, EPDM seat material, polypropylene ball, and #7 polish.
For other configurations, contact Dixon Sanitary at 800.789.1718

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# Air & Vacuum Relief Tank Vent Valves

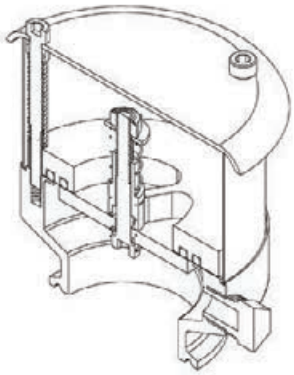
## Applications
- When product filling or emptying a tank, this valve is used to relieve pressure or vacuum

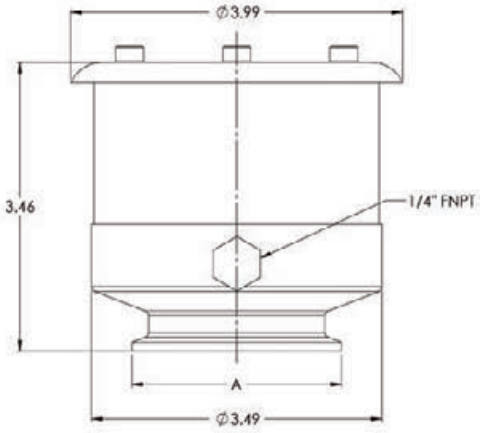
## Features
- Triple action:
  -valve relieves pressure as the fluid level rises while filling a tank
  -valve relieves vacuum as the fluid level drops while emptying a tank
  -seals under equal pressure
- Stainless steel screen surrounds the entire vacuum and pressure flow area
- Other sanitary connections optional
- 1/4" FNPT connection for gas inlet; plug also supplied
- Repair kits available

## Materials
- 304 stainless steel
- EPDM elastomer

## Specifications
- Vacuum break: 2" water column, **0.1 PSI**
- Pressure relief: 22" water column, **0.8 PSI**
- Maximum temperature and pressure rating: **3 PSI @ 70°F (21°C)**
- Maximum flow rate: **500 GPM**








| Tube O.D. | Dimension A (in) | 304 Stainless Steel Part # |
|---|---|---|
| 2" | 2.52 | TVSEC-G200 |
| 3" | 3.58 | TVSEC-G300 |
| 4" | 4.68 | TVSEC-G400 |

NOTE: Due to the impossible determination of whether a tank was damaged due to the tank vent or the lack of opening the upper manhole during product transfer, Dixon Sanitary assumes no liability for tank damage or product loss.

NOTE: All dimensions are approximate. Engineering dimensions are available upon request.
NOTE: Specifications are subject to change without notice.



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# Air & Vacuum Relief Tank Vent Valve



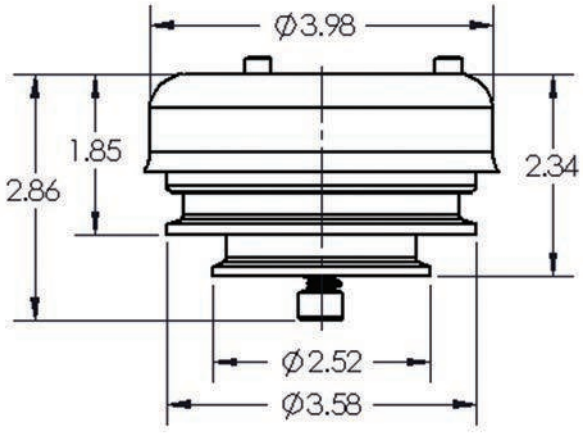
### Features
- Dome helps in preventing external contamination
- Can use any clamp gasket

### Materials
- Light weight, robust PVC and 304 stainless steel construction

### Specifications
- Maximum flow rate: **500 GPM**
- Vacuum break: **0.1 PSI**
- Pressure relief: **0.1 PSI**

| Size | 304 Stainless Steel Part # |
|---|---|
| 2" - 3" | TVPC200-300 |

### Dimensions




M

NOTE: Due to the impossible determination of whether a tank was damaged due to the tank vent or the lack of opening the upper manhole during product transfer, Dixon Sanitary assumes no liability for tank damage or product loss.

NOTE: All dimensions are approximate. Engineering dimensions are available upon request.
NOTE: Specifications are subject to change without notice.

DIXON
The Right Connection®

# 3A Sample Valves with Manual Handle

3A 1447

## Applications

- The 3A sample valve allows easy and safe sampling of liquids from closed systems such as vessels and pipelines.
- These valves are located in the pharmaceutical, bio-pharmaceutical, biochemical, cosmetic, food, dairy, and beverage markets.

## Features

- Valve body made from solid bar
- No dead space
- Drainable
- Connections suitable for orbital welding
- Available with single or dual ports
- Hermetically sealed against environment
- Optimum cleanability
- Change of seals without special tools
- Long life of the PTFE-bellows
- Low spare part costs
- Options for pneumatic actuator: no lever, with self-closing lever and with lever for open position
- Manual actuator (hand wheel)



single port

## Materials

- In product contact: 1.4404/AISI 316L
- Non product contact: 1.4301/AISI 304
- Product contact seals: PTFE bellows
- Surfaces: wetted product surfaces: Ra <= 32 (optional surface finishes available), Non product contact: Ra <= 63

## Specifications

- Closing tension operating pressure: maximum **116 PSI**
- Hand wheel version operating pressure: minimum **87 PSI**, maximum **232 PSI**
- Controlled air pressure: maximum **145 PSI**

| Clamp Valve Size | Weld Port Size | Single Port Part # | Dual Port Part # |
|---|---|---|---|
| 1/2" | 1/4" | BSVS-HC050B025 | BSVD-HC050B025 |
| | 3/8" | BSVS-HC050B375 | BSVD-HC050B375 |
| | 1/2" | BSVS-HC050B050 | BSVD-HC050B050 |
| 1" - 1-1/2" | 1/4" | BSVS-HC100B025 | BSVD-HC100B025 |
| | 3/8" | BSVS-HC100B375 | BSVD-HC100B375 |
| | 1/2" | BSVS-HC100B050 | BSVD-HC100B050 |
| 2" | 1/4" | BSVS-HC200B025 | BSVD-HC200B025 |
| | 3/8" | BSVS-HC200B375 | BSVD-HC200B375 |
| | 1/2" | BSVS-HC200B050 | BSVD-HC200B050 |
| 2-1/2" | 1/4" | BSVS-HC250B025 | BSVD-HC250B025 |
| | 3/8" | BSVS-HC250B375 | BSVD-HC250B375 |
| | 1/2" | BSVS-HC250B050 | BSVD-HC250B050 |
| 3" | 1/4" | BSVS-HC300B025 | BSVD-HC300B025 |
| | 3/8" | BSVS-HC300B375 | BSVD-HC300B375 |
| | 1/2" | BSVS-HC300B050 | BSVD-HC300B050 |
| 4" | 1/4" | BSVS-HC400B025 | BSVD-HC400B025 |
| | 3/8" | BSVS-HC400B375 | BSVD-HC400B375 |
| | 1/2" | BSVS-HC400B050 | BSVD-HC400B050 |



double port

M

**Fire Hose .....751 - 765**
300# single jacket all polyester.....751
500# single jacket all polyester..... 752 - 753
UL labeled .....752
Color impregnated.....753
800# double jacket all polyester .....753
Color impregnated.....753
MSHA approved single jacket mine .....754
Double jacket potable water hose.....754
500# all polyester rack ..... 754 -755
UL labeled .....754
Non-UL labeled .....755
500# nitrile covered .....755
Forestry non-weeping .....756
Forestry mop up .....756
Forestry mop up kit.....756
Nitrile covered - heavy duty .....757
Non-collapsible .....758
Chemical booster .....758
Fire and utility.....758
Single jacket mill..... 759 - 761
Double jacket mill.....762
Nitrile washdown ..... 763 - 765
PVC flexible suction hose.....765

**Fire House Couplings.....766 - 769**
Expansion ring couplings.....766 - 767
Washers.....767
Ring and gasket guide.....768
Hose type booster couplings.....769
Forestry couplings.....769

**Racks, Reels, Hose Cabinet.....770 - 777**
Style V Swing type hose storage.....770
Swing type hose storage .....771
Heavy duty swing type hose storage.....771
Global continuous flow.....772
Continuous flow .....773
Carbon steel .....774
Hump racks .....775
Hose racks .....775
Pin rack hose assembly .....776
Semi automatic pin racks.....776
Steel hose cabinet .....777

**Hose Protection ..... 778**
Fire jacket .....778
Fire tape.....778

**Nozzles.....779 - 794**
Fog ..... 779 - 781
Rack .....781
Ball shutoffs .....782
Nozzle tips.....782
Plain hose .....782
Twist .....782
UL play pipes .....783
Street cleaning .....783
U.S. Coast Guard approved .....784
Monitors and nozzles ..... 785 - 794
Constant flow ..... 787-788
Fog ..... 787 - 788
Garden hose.....788
Break apart attack.....789
Ball shut off .....789, 791, 792
Pistol grip.....789
Gallonage .....790
Forestry..... 790 - 792
Penetrator.....792
Straight stream.....792
Viper™ forestry..... 793 - 794

**Adapters & Connections. .....795 - 850**
Double hex .....795
Rocker lug .....795, 801, 803, 806 - 807, 809
Swivel..... 796 - 799, 808
Hydrant. ..... 800 - 803
Hazmat .....802
Hex nipples ..... 803 - 805
Style N37 ..... 806 - 807
Style N54 .....810
Double male hex ..... 811 - 813
Style N36 .....814
Cam & groove ..... 814 - 815
Caps and plugs..... 816 - 821
Replacement swivels and accessories.....821
Storz..... 822 - 826
Accessories .....827
Wrenches..... 828 - 831
Suction.....832
Continuous swivel.....832
Pump head testers. .....833
Manifolds.....833
Dry hydrants .....834
Roof connections..... 835 - 837
Siamese connections ..... 838 - 842
Wall hydrant body .....843
Snoots..... 844 - 845
Siamese assemblies..... 845 - 846
Single sprinkler connection .....847
Single inlet and hydrant connections .....847
Wall hydrants.....847
Round I.D. plates .....848
British Instantaneous ..... 849 - 850
International shore.....850

**Accessories. ..... 851**

**Valves.....852 - 872**

**Specality Products. ..... 873**

# 300# Single Jacket All Polyester Fire Hose

### Materials
- Outer construction: single jacket, all polyester
- Tube construction: EPDM rubber lining

### Specifications
- Proof pressure: **300 PSI**
- Service test pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- Working pressure: **135 PSI** at ambient temperature **70°F (21°C)**

### Approvals
- 25' and 75' lengths, UL labeled hoses and other threads and configurations are available; contact Dixon®

**Uncoupled**

| Size | Bowl | Length | Part # |
|---|---|---|---|
| 1-1/2" | 1-3/4" | 50' | A315-50UC |
| | | 100' | A315-100UC |
| 2" | 2-1/4" | 50' | A320-50UC |
| | | 100' | A320-100UC |
| 2-1/2" | 2-13/16" | 50' | A325-50UC |
| | | 100' | A325-100UC |
| 3" | 3-3/8" | 50' | A330-50UC |
| | | 100' | A330-100UC |



**Coupled with female and male expansion ring couplings**

| Size | Length | Rocker Lug Aluminum NST (NH) Part # | Rocker Lug Brass NST (NH) Part # | Rocker Lug Aluminum NPSH Part # |
|---|---|---|---|---|
| 1-1/2" | 50' | A315-50RAF | A315-50RBF | A315-50RAS |
| | 100' | A315100RAF | A315100RBF | A315100RAS |
| 2" | 50" | --- | --- | A320-50RAS |
| | 100' | --- | --- | A320100RAS |
| 2-1/2" | 50' | A325-50RAF | A325-50RBF | A325-50RAS |
| | 100' | A325100RAF | A325100RBF | A325100RAS |
| 3" | 50' | --- | --- | A330-50RAS |
| | 100' | --- | --- | A330100RAS |



## 500# Single Jacket All Polyester Fire Hose

**Feature**
- Other threads and configurations are available; contact Dixon®

**Materials**
- Outer construction: single jacket, all polyester
- Tube construction: EPDM rubber lining

**Specifications**
- Proof pressure: **500 PSI**
- Service test pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- Working pressure: **225 PSI** at ambient temperature **70°F (21°C)**



**Uncoupled**

| Size | Bowl | Length | Part # |
|---|---|---|---|
| 1" | 1-1/4" | 50' | A510-50UC |
| | | 100' | A510-100UC |
| 1-1/2" | 1-3/4" | 50' | A515-50UC |
| | | 100' | A515-100UC |
| 2-1/2" | 2-13/16" | 50' | A525-50UC |
| | | 100' | A525-100UC |

**Coupled with female and male expansion ring couplings**



| Size | Length | Rocker Lug Aluminum NST (NH) Part # | Rocker Lug Brass NST (NH) Part # | Rocker Lug Aluminum NPSH Part # |
|---|---|---|---|---|
| 1" | 50' | A510-50RAF | --- | A510-50RAS |
| | 100' | A510100RAF | --- | A510100RAS |
| 1-1/2" | 25' | A515-25RAF | --- | A515-25RAS |
| | 50' | A515-50RAF | A515-50RBF | A515-50RAS |
| | 75' | A515-75RAF | --- | A515-75RAS |
| | 100' | A515100RAF | A515100RBF | A515100RAS |
| 2-1/2" | 25' | A525-25RAF | --- | A525-25RAS |
| | 50' | A525-50RAF | A525-50RBF | A525-50RAS |
| | 75' | A525-75RAF | --- | --- |
| | 100' | A525100RAF | A525100RBF | A525100RAS |

N

## 500# Single Jacket Fire Hose - UL labeled

**Coupled with female and male expansion ring couplings**

**Feature**
- Impregnated hose and other length threads and configurations are available; contact Dixon

**Materials**
- Outer construction: single jacket, all polyester
- Tube construction: EPDM rubber lining



**Specifications**
- Proof pressure: **500 PSI**
- Service test pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- Working pressure: **225 PSI** at ambient temperature **70°F (21°C)**

**Approval**
- Underwriters Listed

| Size | Coupling Type | Length | NST Thread Part # |
|---|---|---|---|
| 1-1/2" | combo lug, brass | 50' | A515U50CBF |

## 500# Single Jacket Fire Hose - Color Impregnated

**Feature**
- Consult Dixon® for pricing and availability of other colors, lengths, threads, and configurations

**Materials**
- Outer construction: single jacket, all polyester
- Tube construction: EPDM rubber lining

**Specifications**
- Proof pressure: **500 PSI**
- Service test pressure: **250 PSI**
- Working pressure: **225 PSI** at ambient temperature **70°F (21°C)**


orange


red

**Coupled with female and male expansion ring couplings**

| Size | Coupling Type | Length | Color | Part # |
|---|---|---|---|---|
| 1-1/2" | rocker lug, aluminum, NST (NH) | 50' | yellow | A515Y50RAF |
| | rocker lug, aluminum, NPSH | | | A515Y50RAS |
| | rocker lug, aluminum, NST (NH) | | red | A515R50RAF |
| | rocker lug, aluminum, NPSH | | | A515R50RAS |
| | rocker lug, aluminum, NST (NH) | | orange | A515OR50RAF |
| | rocker lug, aluminum, NPSH | | | A515OR50RAS |

## 800# Double Jacket All Polyester Fire Hose

**Feature**
- Consult Dixon for pricing and availability of 75' lengths and other threads and configurations

**Materials**
- Outer construction: double jacket, all polyester
- Tube construction: EPDM rubber lining

**Specifications**
- Proof pressure: **800 PSI**
- Service test pressure: **400 PSI**
- Working pressure: **360 PSI** at ambient temperature **70°F (21°C)**



**Coupled with female and male expansion ring couplings**

| Size | Length | Rocker Lug Aluminum NST (NH) RAF Part # | Rocker Lug Brass NST (NH) RBF Part # | Rocker Lug Aluminum NPSH RAS Part # |
|---|---|---|---|---|
| 1-1/2" | 25' | D815-25RAF | --- | --- |
| | 50' | D815-50RAF | D815-50RBF | D815-50RAS |
| | 100' | D815100RAF | D815100RBF | D815100RAS |
| 2-1/2" | 25' | D825-25RAF | --- | --- |
| | 50' | D825-50RAF | D825-50RBF | D825-50RAS |
| | 100' | D825100RAF | D825100RBF | D825100RAS |

N

## 800# Double Jacket Fire Hose - Color Impregnated

**Feature**
- Other lengths, threads, couplings, and colors (yellow, red, blue, tan, orange, green, black) are available; contact Dixon

**Materials**
- Outer construction: double jacket, all polyester
- Tube construction: black, synthetic rubber liner

**Specifications**
- Proof pressure: **800 PSI** at **70°F (21°C)**
- Service test pressure: **400 PSI** at **70°F (21°C)**
- Working pressure: **360 PSI** at **70°F (21°C)**



**Coupled with female and male expansion ring couplings**

| Size | Thread NH (NST) | Coupling Type | Length | Part # |
|---|---|---|---|---|
| 1-1/2" | 1-1/2" | rocker lug, aluminum NST (NH) | 50' | D815Y50RAF |
| | | rocker lug, aluminum NST (NH) | 100' | D815Y100RAF |
| | | rocker lug, aluminum NPSH | 50' | D815Y50RAS |
| | | rocker lug, aluminum NPSH | 100' | D815Y100RAS |
| 1-3/4" | | rocker lug, aluminum NST (NH) | 50' | D817Y50RAF |
| 2-1/2" | 2-1/2" | rocker lug, aluminum NST (NH) | 50' | D825Y50RAF |
| | | rocker lug, aluminum NST (NH) | 100' | D825Y100RAF |

## MSHA Approved Single Jacket Mine Fire Hose

**Coupled with female and male aluminum rocker lug expansion ring couplings**



### Features
- Outer construction: single jacket, synthetic flame resistant
- Tube construction: flame resistant lining

### Specifications
- Proof pressure: **500 PSI** at **70°F (21°C)**
- Service test pressure: **250 PSI** at **70°F (21°C)**
- Working pressure: **225 PSI** at **70°F (21°C)**

### Aprroval
- Approved by Mine Safety and Health Administration (MSHA) for all mine fire protection applications

| Size | Thread | Length | Part # |
|---|---|---|---|
| 1-1/2" | NST (NH) | 50' | SM515W50RAF |
| | NPSH | | SM515W50RAS |

## Double Jacket Potable Water Hose - Blue

### Features
- Outer construction: double jacket, all polyester
- Tube construction: thermoplastic

### Specifications
- Proof pressure: **600 PSI** at **70°F (21°C)**
- Service test pressure: **300 PSI** at **70°F (21°C)**
- Working pressure: **270 PSI** at **70°F (21°C)**

### Approval
- Liner is NSF approved for potable water; fittings are not, except for temporary / emergency drinking needs only

**Coupled with female and male, brass or aluminum rocker lug, expansion ring couplings**



| Size | Thread | Length | Brass Expansion Ring Part # | Aluminum Expansion Ring Part # |
|---|---|---|---|---|
| 1-1/2" | NPSH | 50' | PW615B50RBS | PW615B50RAS |
| | | 100' | PW615B100RBS | PW615B100RAS |
| | NST (NH) | 50' | PW615B50RBF | PW615B50RAF |
| | | 100' | PW615B100RBF | PW615B100RAF |
| 2-1/2" | NPSH | 50' | PW625B50RBS | PW625B50RAS |
| | | 100' | PW625B100RBS | PW625B100RAS |
| | NST (NH) | 50' | PW625B50RBF | PW625B50RAF |
| | | 100' | PW625B100RBF | PW625B100RAF |

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## 500# All Polyester Rack Hose - UL Labeled



### Application
- For pin rack service / emergency fire fighting only. Not to be used for washdown

### Materials
- Outer construction: single jacket, all polyester
- Tube construction: clear thermoplastic

### Specifications
- Proof pressure: **300 PSI** at ambient temperature **70°F (21°C)**
- Service test pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- Working pressure: **135 PSI** at ambient temperature **70°F (21°C)**

### Approval
- Underwriters Listed

**Coupled with female and male expansion ring couplings**

| Size | Coupling Type | Length | Folded Part # | Coiled Part # |
|---|---|---|---|---|
| 1-1/2" | combo lug, brass NST (NH) | 50' | R515U50CBF/F | R515U50CBF |
| | | 100' | R515U100CBF/F | R515U100CBF |
| | | 50' | R515U50RAF/F | R515U50RAF |
| | | 100' | R515U100RAF/F | --- |

## 500# All Polyester Rack Hose - non-UL Labeled







### Application
- For pin rack service / emergency fire fighting only. Not to be used for washdown

### Materials
- Outer construction: single jacket, all polyester
- Tube construction: clear thermoplastic

### Specifications
- Proof pressure: **500 PSI** at ambient temperature **70°F (21°C)**
- Service test pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- Working pressure: **225 PSI** at ambient temperature **70°F (21°C)**

**Coupled with female and male expansion ring couplings**

| Size | Coupling Type | Length | Folded Part # | Coiled Part # |
|---|---|---|---|---|
| 1-1/2" | combo lug, brass NST (NH) | 50' | R515-50CBF/F | R515-50CBF |
| | | 100' | R515100CBF/F | R515100CBF |
| | | 50' | R515-50RAF/F | R515-50RAF |
| | | 100' | R515100RAF/F | R515100RAF |

## 500# Nitrile Covered Fire Hose - Light Duty Red



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### Application
- Ideal for industrial and construction washdown and discharge applications

### Feature
- Other colors, threads, and configurations are availabe; consult Dixon®

### Materials
- Outer construction: thin ribbed nitrile
- Tube construction: nitrile

### Specifications
- Proof pressure: **500 PSI** at ambient temperature **70°F (21°C)**
- Service test pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- Working pressure: **225 PSI** at ambient temperature **70°F (21°C)**

**Uncoupled**



| Size | Bowl | Length | Part # |
|---|---|---|---|
| 1-1/2" | 1-13/16" | 50' | H515R50UC |
| 2-1/2" | 2-13/16" | | H525R50UC |
| 1-1/2" | 1-13/16" | 100' | H515R100UC |
| 2-1/2" | 2-13/16" | | H525R100UC |

**Coupled with female and male expansion ring couplings**

| Size | Length | Rocker Lug Aluminum NST (NH) Part # | Rocker Lug Brass NST (NH) Part # | Rocker Lug Aluminum NPSH Part # |
|---|---|---|---|---|
| 1-1/2" | 50' | H515R50RAF | H515R50RBF | H515R50RAS |
| 2-1/2 | | H525R50RAF | H525R50RBF | H525R50RAS |
| 1-1/2" | 100' | H515R100RAF | --- | H515R100RAS |
| 2-1/2" | | H525R100RAF | --- | --- |

## Forestry Non-Weeping Fire Hose



### Features
- Consult Dixon® for pricing and availability of 25' lengths and other threads and configurations
- Impregnation: yellow

### Materials
- Outer construction: single jacket, all polyester
- Tube construction: thermoplastic

### Specifications
- Proof pressure: **600 PSI** at ambient temperature **70°F (21°C)**
- Service test pressure: **300 PSI** at ambient temperature **70°F (21°C)**
- Working pressure: **270 PSI** at ambient temperature **70°F (21°C)**

**Coupled with female and male expansion ring couplings**

| Size | Length | Rocker Lug Aluminum NST (NH) Part # | Rocker Lug Aluminum NPSH Part # |
|---|---|---|---|
| 1" | 50' | NF610Y50RAF | NF610Y50RAS |
| | 100' | NF610Y100RAF | NF610Y100RAS |
| 1-1/2" | 50' | NF615Y50RAF | NF615Y50RAS |
| | 100' | NF615Y100RAF | NF615Y100RAS |

## Forestry Mop Up Hose

### Application
- Used on mop-up and low volume hand lines to fill pump cans supplying sprinklers and remote fire line protection




### Size
- 50' coil diameter is 9"

### Features
- Consult Dixon for pricing and availability of other threads and configurations
- Impregnation: yellow

### Materials
- Outer construction: single jacket, synthetic
- Tube construction: thermoplastic

### Specifications
- Proof pressure: **300 PSI** at ambient temperature **70°F (21°C)**
- service test pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- Working pressure: **135 PSI** at ambient temperature **70°F (21°C)**

**Coupled with female and male brass ferrule type garden hose couplings**



| Size | Length | Part # |
|---|---|---|
| 3/4" | 50' | NF307Y50GHT |
| 1-1/2" | 50' | NF615-50RAQT[1] |
| | 100' | NF615100RAQT[1] |

[1] Coupled with quarter turn forestry couplings

**Forestry Mop Up Hose Kit**

| Description | Part # |
|---|---|
| kit contains: hose, pouch, and nozzle | NF307Y50GHT-KIT |



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# Nitrile Covered Fire Hose - Heavy Duty - Yellow

## Applications
- Ideal for heavy-duty washdown in refineries and power plants

## Features
- Extruded interlocking matrix fire hose with 100% synthetic circular woven polyester reinforcement
- Heavy ribbed for severe service
- 25' lengths, other colors, threads, and configurations are available; contact Dixon®

## Materials
- Outer construction: thick ribbed nitrile
- Tube construction: nitrile

## Specification
- Pressures supplied in the chart below are at ambient temperature **70°F (21°C).**

| Size | Proof Pressure PSI | Service Test Pressure PSI | Working Pressure PSI |
|---|---|---|---|
| 1" - 3" | **600** | **300** | **270** |
| 4" | **450** | **225** | **200** |
| 5" | **400** | **200** | **180** |
| 6" | **300** | **150** | **135** |

### Uncoupled

| Size | Bowl | Length | Part # |
|---|---|---|---|
| 1" | 1-1/4" | 50' | H610Y50UC |
| 1-1/2" | 1-13/16" | 50' | H615Y50UC |
| 2" | 2-1/4" | 50' | H620Y50UC |
| 2-1/2" | 2-13/16" | 50' | H625Y50UC |
| 3" | 3-3/8" | 50' | H630Y50UC |
| 4" | 4-3/8" | 50' | H440Y50UC |
| 5" | 5-3/8" | 50' | H450Y50UC |



### Coupled with female and male expansion ring couplings

| Size | Length | Rocker Lug Aluminum NST (NH) RAF | Rocker Lug Brass NST (NH) RBF | Pin Lug Brass NST (NH) PBF | Rocker Lug Aluminum NPSH RAS |
|---|---|---|---|---|---|
| 1" | 50' | H610Y50RAF | --- | --- | H610Y50RAS |
| 1-1/2" | | H615Y50RAF | H615Y50RBF | H615Y50PBF | H615Y50RAS |
| 2-1/2" | | H625Y50RAF | H625Y50RBF | H625Y50PBF | H625Y50RAS |



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### Coupled with female and male segmented Storz collar style couplings

## Features
- Working pressures can be achieved using appropriate expansion ring couplings
- Under no circumstance should the hose be used beyond the working pressure of the fittings to which it is coupled ⚠

## Approval
- Assembled hose should be hydrostatically proof tested before use and thereafter in accordance with NFPA 1962



| Size | Length | Storz Size | Part # |
|---|---|---|---|
| 4" | 50' | 4" | H440Y50SZ |
| 5" | 50' | 5" | H450Y50SZ |
| | 100' | | H450Y100SZ |

## Non-collapsible Hose

### Chemical Booster Hose - Red



**Size**
- 3/4" diameter hose is coupled with 1" threaded couplings

**Feature**
- Reinforced with multiple plies of high tensile Aramid yarn providing flexible strength

**Specification**
- Working pressure: **800 PSI**

**Approval**
- Meets and exceeds NFPA standard 1961

**Materials**
- Outer cover material: specially compounded red EPDM tough cover
- Inner tube material: smooth black synthetic EPDM rubber

**Coupled with female and male NST (NH) thread, chromed brass hole type couplings**

| Size | Length | Part # |
|---|---|---|
| 3/4" | 50' | 80B07-50HCF |
| | 100' | 80B07-100HCF |
| 1" | 50' | 80B10-50HCF |
| | 100' | 80B10-100HCF |

**Coupled with female and male NST (NH) thread, hole type coupling, aluminum expansion ring couplings**

| Size | Length | Part # |
|---|---|---|
| 3/4" | 50' | 80B07-50HAF |
| | 100' | 80B07-100HAF |
| 1" | 50' | 80B10-50HAF |
| | 100' | 80B10-100HAF |

### Fire and Utility Hose - Red

**Features**
- Outer construction is designed to withstand abrasion
- Consult Dixon® for pricing and availability of other lengths, threads, and configurations
- Also available with chrome brass fittings

**Specifications**
- Working pressure: **200 PSI** at ambient temperature **70°F (21°C)**
- Burst pressure: **600 PSI** at ambient temperature **70°F (21°C)**

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**Coupled with female and male NST (NH) thread, rocker lug, brass expansion ring couplings**



| Size | Length | Part # |
|---|---|---|
| 1-1/2" | 50' | 15B15-50RBF |
| | 100' | 15B15-100RBF |

**Coupled with female and male NST (NH) thread, rocker lug, aluminum expansion ring couplings**



| Size | Length | Part # |
|---|---|---|
| 1-1/2" | 50' | 15B15-50RAF |
| | 100' | 15B15-100RAF |

**Coupled with female and male NPSH thread, rocker lug, aluminum expansion ring couplings**



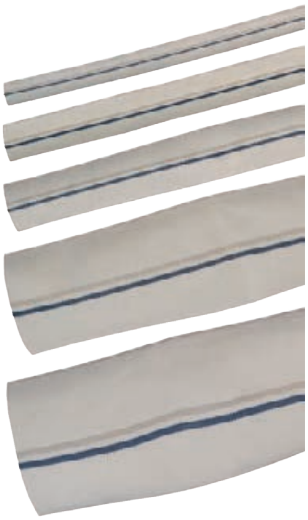
| Size | Length | Part # |
|---|---|---|
| | 50' | 15B15-50RAS |

# Synthetic Single Jacket Mill Hose

### Application
- Used in open end water discharge applications only; not intended for firefighting service

### Feature
- Consult Dixon® for pricing and availability on 75' lengths and other threads and configurations

### Materials
- Outer construction: single jacket, all polyester
- Tube construction: black, PVC rubber



### Specifications
- Rated pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- Working pressure: **112 PSI** at ambient temperature **70°F (21°C)**

**Uncoupled**

| Size | Bowl | Length | Part # |
|---|---|---|---|
| 1" | 1-1/4" | 50' | M10-50UC |
| | | 100' | M10-100UC |
| | | 300' | M10-300UC |
| 1-1/2" | 1-11/16" | 25' | M15-25UC |
| | | 50' | M15-50UC |
| | | 100' | M15-100UC |
| 2" | 2-3/8" | 25' | M20-25UC |
| | | 50' | M20-50UC |
| | | 100' | M20-100UC |
| 2-1/2" | 2-11/16" | 25' | M25-25UC |
| | | 50' | M25-50UC |
| | | 100' | M25-100UC |
| 3" | 3-3/8" | 25' | M30-25UC |
| | | 50' | M30-50UC |
| | | 100' | M30-100UC |
| 4" | 4-3/8" | 25' | M40-25UC |
| | | 50' | M40-50UC |
| | | 100' | M40-100UC |
| 6" | 6-3/8" | 25' | M60-25UC |
| | | 50' | M60-50UC |

## Synthetic Single Jacket Mill Hose

**Application**
- Used in open end water discharge applications only; not intended for fire fighting service

**Feature**
- Consult Dixon® for pricing and availability on 75' lengths and other threads and configurations

**Materials**
- Outer construction: single jacket, all polyester
- Tube construction: black, PVC rubber

**Specifications**
- Rated pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- Working pressure: **125 PSI** at ambient temperature **70°F (21°C)**

### Coupled with NPSH female and male expansion ring couplings



| Size | Length | Part # |
|---|---|---|
| 1-1/2" | 50' | M15-50RAS |
| | 100' | M15100RAS |
| 2" | 50' | M20-50RAS |
| | 100' | M20100RAS |
| 2-1/2" | 50' | M25-50RAS |
| | 100' | M25100RAS |

### Coupled with NST (NH) female and male expansion ring couplings



| Size | Length | Part # |
|---|---|---|
| 1-1/2" | 50' | M15-50RAF |
| | 100' | M15100RAF |
| 2-1/2" | 25' | M25-25RAF |
| | 50' | M25-50RAF |
| | 100' | M25100RAF |

### Coupled with MNPT x MNPT male expansion ring couplings



| Size | Length | Part # |
|---|---|---|
| 1-1/2" | 50' | M15-50RAT |
| | 100' | M15100RAT |
| 2" | 50' | M20-50RAT |
| | 100' | M20100RAT |



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# Synthetic Single Jacket Mill Hose

**Application**
- Used in open end water discharge applications only™; not intended for fire fighting service

**Feature**
- Consult Dixon® for pricing and availability of additional lengths and other configurations

**Materials**
- Outer construction: single jacket, all polyester
- Tube construction: black, PVC rubber

### Coupled with NPSH female and male King™ short shank couplings, crimp sleeve, aluminum shank with brass pin lug swivel nut

| Size | Length | Working Pressure PSI at 70°F (21°C) | Part # |
|---|---|---|---|
| 1-1/2" | 25' | 75 | M15-25KAS |
| | 50' | | M15-50KAS |
| 2" | 25' | 75 | M20-25KAS |
| | 50' | | M20-50KAS |
| 2-1/2" | 25' | 50 | M25-25KAS |
| | 50' | | M25-50KAS |
| 3" | 25' | 50 | M30-25KAS |
| | 50' | | M30-50KAS |



### Coupled with NST (NH) female and male King™ short shank couplings, crimp sleeve, aluminum shank with brass pin lug swivel nut

| Size | Length | Working Pressure PSI at 70°F (21°C) | Part # |
|---|---|---|---|
| 1-1/2" | 25' | 75 | M15-25KAF |
| | 50' | | M15-50KAF |
| 2-1/2" | 25' | 50 | M25-25KAF |
| | 50' | | M25-50KAF |



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### Coupled with female and male (C & E) global aluminum cam and groove, crimp sleeve

| Size | Length | Working Pressure PSI at 70°F (21°C) | Part # |
|---|---|---|---|
| 1-1/2" | 25' | 112 | M15-25GAX |
| | 50' | | M15-50GAX |
| 2" | 25' | 112 | M20-25GAX |
| | 50' | | M20-50GAX |
| 2-1/2" | 25' | 112 | M25-25GAX |
| | 50' | | M25-50GAX |
| 3" | 25' | 112 | M30-25GAX |
| | 50' | | M30-50GAX |
| 4" | 25' | 112 | M40-25GAX |
| | 50' | | M40-50GAX |



## Synthetic Double Jacket Mill Hose

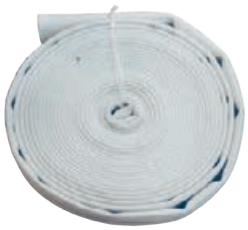
**Application**
- Ideal for open end discharge applications; not intended for fire fighting service

**Features**
- Consult Dixon® for pricing and availability of additional lengths and other configurations
- Double jacket hoses are not recommended for use with field reattachable couplings

**Materials**
- Outer construction: double jacket, all polyester
- Tube construction: black, PVC rubber

**Specifications**
- Rated pressure: **250 PSI** at **70°F (21°C)**
- Working pressure: **200 PSI** at **70°F (21°C)**

### Uncoupled



| Size | Bowl | Length | Part # |
|---|---|---|---|
| 1-1/2" | 1-13/16" | 50' | DM15-50UC |
| | | 100' | DM15-100UC |
| 2" | 2-5/16" | 50' | DM20-50UC |
| | | 100' | DM20-100UC |
| 2-1/2" | 2-7/8" | 50' | DM25-50UC |
| | | 100' | DM25-100UC |

### Coupled with female and male NST (NH) thread, rocker lug, aluminum expansion ring couplings



| Size | Bowl | Length | Part # |
|---|---|---|---|
| 1-1/2" | 1-13/16" | 50' | DM15-50RAF |
| | | 100' | DM15100RAF |
| 2-1/2" | 2-7/8" | 50' | DM25-50RAF |
| | | 100' | DM25100RAF |

### Coupled with female and male NPSH thread, rocker lug, aluminum expansion ring couplings



| Size | Bowl | Length | Part # |
|---|---|---|---|
| 1-1/2" | 1-13/16" | 50' | DM15-50RAS |
| | | 100' | DM15100RAS |
| 2" | 2-5/16" | 50' | DM20-50RAS |
| | | 100' | DM20100RAS |
| 2-1/2" | 2-7/8" | 50' | DM25-50RAS |
| | | 100' | DM25100RAS |

### Coupled with female and male NPT thread, rocker lug, aluminum expansion ring couplings



| Size | Bowl | Length | Part # |
|---|---|---|---|
| 1-1/2" | 1-13/16" | 50' | DM15-50RAT |
| | | 100' | DM15100RAT |
| 2" | 2-5/16" | 50' | DM20-50RAT |
| | | 100' | DM20100RAT |
| 2-1/2" | 2-7/8" | 50' | DM25-50RAT |

### Coupled with female and male (C & E) global aluminum cam and groove, crimp sleeve



| Size | Bowl | Length | Part # |
|---|---|---|---|
| 1-1/2" | 1-13/16" | 50' | DM15-50GAX |
| | | 100' | DM15100GAX |
| 2" | 2-5/16" | 50' | DM20-50GAX |



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# Nitrile Washdown Hose

**Application**
- Ideal for industrial, agricultural, and construction washdown and discharge applications, not for firefighting ⚠

**Feature**
- Resistant to weather and abrasion

**Specification**
- Working pressure: **200 PSI**

## Coupled with NPSH female and male expansion ring couplings

| Size | Length | Part # |
|---|---|---|
| 1-1/2" | 50' | WDH15BK50RAS |
| | 100' | WDH15BK100RAS |
| 2" | 50' | WDH20BK50RAS |
| | 100' | WDH20BK100RAS |
| 2-1/2" | 50' | WDH25BK50RAS |
| | 100' | WDH25BK100RAS |



## Coupled with NST female and male expansion ring couplings

| Size | Length | Part # |
|---|---|---|
| 1-1/2" | 50' | WDH15BK50RAF |
| | 100' | WDH15BK100RAF |
| 2-1/2" | 25' | WDH25BK25RAF |
| | 50' | WDH25BK50RAF |
| | 100' | WDH25BK100RAF |



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## Coupled with MNPT x MNPT male expansion ring couplings

| Size | Length | Part # |
|---|---|---|
| 1-1/2" | 50' | WDH15BK50RAT |
| | 100' | WDH15BK100RAT |
| 2" | 50' | WDH20BK50RAT |
| | 100' | WDH20BK100RAT |



## Nitrile Washdown Hose

**Application**
- Ideal for industrial, agricultural, chemical, and construction washdown and discharge applications, not for firefighting

**Feature**
- Resistant to weather and abrasion

### Coupled with NPSH female and male King™ short shank couplings, crimp sleeve, aluminum shank with brass pin lug swivel nut



| Size | Length | Part # |
|---|---|---|
| 1-1/2" | 25' | WDH15BK25KAS |
| | 50' | WDH15BK50KAS |
| 2" | 25' | WDH20BK25KAS |
| | 50' | WDH20BK50KAS |
| 2-1/2" | 25' | WDH25BK25KAS |
| | 50' | WDH25BK50KAS |
| 3" | 25' | WDH30BK25KAS |
| | 50' | WDH30BK50KAS |

### Coupled with NST (NH) female and male King short shank couplings, crimp sleeve, aluminum shank with brass pin lug swivel nut



| Size | Length | Part # |
|---|---|---|
| 1-1/2" | 25' | WDH15BK25KAF |
| | 50' | WDH15BK50KAF |
| 2-1/2" | 25' | WDH25BK25KAF |
| | 50' | WDH25BK50KAF |

### Coupled with female and male (C & E) global aluminum cam and groove, crimp sleeve



| Size | Length | Part # |
|---|---|---|
| 1-1/2" | 25' | WDH15BK25GAX |
| | 50' | WDH15BK50GAX |
| 2" | 25' | WDH20BK25GAX |
| | 50' | WDH20BK50GAX |
| 2-1/2" | 25' | WDH25BK25GAX |
| | 50' | WDH25BK50GAX |
| 3" | 25' | WDH30BK25GAX |
| | 50' | WDH30BK50GAX |
| 4" | 25' | WDH40BK25GAX |
| | 50' | WDH40BK50GAX |

## Nitrile Washdown Hose

**Application**
- Ideal for industrial, agricultural, and construction washdown and discharge applications, not for firefighting

**Feature**
- Resistant to weather and abrasion

**Uncoupled**

| Size | Color | Bowl | Length | Working Pressure | Part # |
|---|---|---|---|---|---|
| 1" | black | 1-1/4" | 50' | 200 PSI | WDH10BK50UC |
| | | | 100' | | WDH10BK100UC |
| | yellow | 1-1/4" | 100' | | WDH10Y100UC |
| | blue | 1-1/4" | 100' | | WDH10BL100UC |
| 1-1/2" | black | 1-13/16" | 50' | | WDH15BK50UC |
| | | | 100' | | WDH15BK100UC |
| 2" | black | 2-5/16" | 50' | | WDH20BK50UC |
| | | | 100' | | WDH20BK100UC |
| 2-1/2" | black | 2-13/16" | 50' | | WDH25BK50UC |
| | | | 100' | | WDH25BK100UC |
| 3" | black | 3-3/8" | 50' | 150 PSI | WDH30BK50UC |
| | | | 100' | | WDH30BK100UC |
| 4" | black | 4-3/8" | 50' | | WDH40BK50UC |
| | | | 100' | | WDH40BK100UC |
| 6" | black | 6-3/8" | 50' | | WDH60BK50UC |
| | | | 100' | | WDH60BK100UC |



## Dixon® PVC Flexible Suction Hose

**Couplings with PVC Flexible Suction Hose**

| Size | Length | Thread | Female L/H x Male Part # | Female R/L x Male Part # | Storz x Storz Part # | Cam and Groove x Cam and Groove Part # |
|---|---|---|---|---|---|---|
| 2-1/2" | 10' | NST | FSH-9682-000 | FSH-9682-050 | FSH-9682-020 | FSH-9682-030 |
| | | BAT | FSH-9682-000B | FSH-9682-050B | | |
| | | CSA | FSH-9682-000C | FSH-9682-050C | | |
| | | WCT | FSH-9682-000W | FSH-9682-050W | | |
| | | NS1 | FSH-9682-000NS | FSH-9682-050NS | | |
| | | QST | FSH-9682-000Q | FSH-9682-050Q | | |
| 3" | 10' | NH | FSH-9682-100 | FSH-9682-150 | FSH-9682-120 | FSH-9682-130 |
| 4" | | | FSH-9682-200 | FSH-9682-250 | FSH-9682-220 | FSH-9682-230 |
| 4-1/2" | | | FSH-9682-300 | FSH-9682-350 | --- | --- |
| 5" | | | FSH-9682-400 | FSH-9682-450 | FSH-9682-420 | FSH-9682-430 |
| 6" | | | FSH-9682-500 | FSH-9682-550 | FSH-9682-520 | FSH-9682-530 |



cam & groove x cam & groove



female L/H x male R/L



storz x storz

N

## Expansion Ring Couplings

**Features**

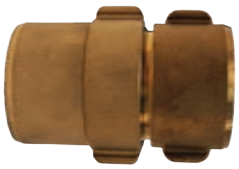
- Shipped complete with expansion rings, swivel, and tail washers
- Aluminum expansion ring couplings have (3) rocker lugs on the male and female



### For Single Jacket Hose - Aluminum

| Size | Thread | Bowl | Aluminum Part # |
|---|---|---|---|
| 1" | NPSH | 1-1/4" | S10125 |
| 1-1/2" | NPSH | 1-3/4" | S16175 |
| | | 1-11/16" | S16168 |
| | | 1-13/16" | S16181 |
| 2" | NPSH | 2-1/4" | S20225 |
| 2-1/2" | NPSH | 2-13/16" | S26281 |
| 1-1/2" | NST (NH) | 1-11/16" | S16168F |
| | | 1-3/4" | S16175F |
| | | 1-13/16" | S16181F |
| 2-1/2" | NST (NH) | 2-11/16" | S26268F |
| | | 2-13/16" | S26281F |
| 1-1/2" | MNPT | 1-11/16" | MS16168T[1] |
| | | 1-3/4" | MS16175T[1] |
| 2" | MNPT | 2-1/4" | MS20225T[1] |
| 2-1/2" | MNPT | 2-11/16" | MS26268T[1] |

[1] Male fitting only



### For Single Jacket Hose - Brass

| Size | Thread | Bowl | Brass Part # |
|---|---|---|---|
| 1-1/2" | NPSH | 1-3/4" | RS15175 |
| | | 1-13/16" | RS15181 |
| 2-1/2" | NPSH | 2-13/16" | RS25281 |
| 1-1/2" | NST (NH) | 1-3/4" | RS15175F |
| | | 1-13/16" | RS15181F |
| 2-1/2" | NPSH | 2-13/16" | RS25281F |

N

## Expansion Ring Couplings



### For Double Jacket Hose - Aluminum

| Size | Thread | Bowl | Aluminum Part # |
|---|---|---|---|
| 1-1/2" | NPSH | 1-13/16" | D16181 |
| | | 1-15/16" | D16193 |
| | | 2-1/16" | D16206 |
| 2" | NPSH | 2-5/16" | D20231 |
| 2-1/2" | NPSH | 3" | D263 |
| 1-1/2" | NST (NH) | 1-13/16" | D16181F |
| | | 1-15/16" | D16193F |
| | | 2-1/16" | D16206F |
| 2-1/2" | NST (NH) | 2-7/8" | D26287F |
| | | 3" | D263F |
| 1-1/2" | MNPT | 1-13/16" | MD16181T[1] |
| 2" | MNPT | 2-5/16" | MD20231T[1] |
| 2-1/2" | MNPT | 2-7/8" | MD26287T[1] |

[1] Male fitting only



### For Double Jacket Hose - Brass

| Size | Thread | Bowl | Brass Part # |
|---|---|---|---|
| 1-1/2" | NPSH | 1-15/16" | RD15193 |

## Expansion Rings

**Feature**
- Used with the fire hose couplings listed on page 766

| O.D. | Length | Wall Thickness | 85/15 red brass Part # |
|---|---|---|---|
| 1" | 1-1/4" | .05 | ER10125 |
| 1-1/2" | 3/4" | .05 | ER1575 |
| | 7/8" | | ER1587 |
| | 1" | | ER1510 |
| | 1-1/4" | | ER15125 |
| 1-3/4" | 1-1/4" | .05 | ER17125 |
| 2-1/2" | 1-1/4" | .062 | ER27125 |
| | 1-1/2" | | ER27150 |
| 3" | 2" | .07 | ER3020 |



## Swivel Washers

**Feature**
- Used on the swivel end of the fire hose couplings listed on page 766

| I.D. | O.D. | Thickness | Nitrile Rubber Part # |
|---|---|---|---|
| 1-1/16" | 1-7/16" | 1/8" | SW100F |
| 1-9/16" | 2-1/16" | | SW150 |
| 2-1/16" | 2-1/2" | | SW200 |
| 2-9/16" | 3-3/16" | 3/16" | SW250 |
| 3-1/16" | 3-3/4" | 1/4 | SW300F |
| 4-1/16" | 5-1/8" | | SW400F |
| 4-9/16" | 5-7/8" | | SW450F |
| 5-1/16" | 6-3/8" | | SW500F |
| 6-1/16" | 7-1/8" | | SW600F |



## Tail Washers

**Feature**
- Used on the tail end of the fire hose couplings listed on page 766

| I.D. | O.D. | Thickness | Nitrile Rubber Part # |
|---|---|---|---|
| 1-1/32" | 1-5/16" | 3/16" | STW100 |
| 1-9/16" | 1-3/4" | | RTW150 |
| 1-9/16" | 1-15/16" | | STW150 |
| 1-5/8" | 2-1/8" | | DTW150 |
| 2-9/16" | 3" | 1/4" | STW250 |
| 2-5/8" | 3-1/4" | | DTW250 |
| 3-1/8" | 3-25/32" | | DTW300 |



## Expansion Ring and Gasket Guide

| Coupling Part # | Swivel Washer Part # | Tail Washer Part # | Expansion Ring Part # |
|---|---|---|---|
| D15193 & D15193F | SW150 | DTW150 | ER15125 |
| D15206F | SW150 | G12014 | ER15125 |
| D16187 & D16187F | SW150 | DTW150 | ER15125 |
| D16193 & D16193F | SW150 | DTW150 | ER15125 |
| D16206 & D16206F | SW150 | G12014 | ER15125 |
| D253 & D253F | SW250 | DTW250 | ER27150 |
| D26287F | SW250 | DTW250 | ER27150 |
| D263 & D263F | SW250 | DTW250 | ER27150 |
| MD16181T | n/a | STW150 | ER15125 |
| MD20231T | n/a | special | special |
| MD26287T | n/a | DTW250 | ER27150 |
| MS16168T | n/a | STW150 | ER15125 |
| MS16175T | n/a | STW150 | ER15125 |
| MS20225T | n/a | special | special |
| MS26268T | n/a | STW250 | ER27150 |
| RD15193 & RD15193F | SW150 | DTW150 | ER15125 |
| RD15206 & RD15206F | SW150 | G12014 | ER15125 |
| RD253 & RD253F | SW250 | DTW250 | ER27150 |
| RH15168 & RH15168F | SW150 | RTW150 | ER1575 |
| RH16168F & RH16168F | SW150 | RTW150 | ER1575 |
| RS15175 & RS15175F | SW150 | STW150 | ER15125 |
| RS15181 & RS15181F | SW150 | STW150 | ER1510 |
| RS25281 & RS25281F | SW250 | STW250 | ER27125 |
| RS25287 | SW250 | STW250 | ER27150 |
| S15175 & S15175F | SW150 | RTW150 | ER15125 |
| S15181 & S15181F | SW150 | RTW150 | ER1510 |
| S16168 & S16168F | SW150 | STW150 | ER15125 |
| S16175 & S16175F | SW150 | STW150 | ER15125 |
| S16181 & S16181F | SW150 | STW150 | ER15125 |
| S25281 & S25281F | SW250 | STW250 | ER27125 |
| S25287 & S25287F | SW250 | STW250 | ER27150 |
| S26268 & S26268F | SW250 | STW250 | ER27150 |
| S26275 & S26275F | SW250 | STW250 | ER27150 |
| S26281 & S26281F | SW250 | STW250 | ER27150 |

## Hose Type Booster Hose Couplings

**Features**
- Special tooling is required to attach these couplings to hose
- Hardcoat finish
- Complete set



**Specifications**
- Working pressure: **800 PSI** at ambient temperature **70°F (21°C)**
- 3/4 and 1" NST threads are the same size; also known as chemical hose thread (CHT) or booster hose thread

| Hose Size | Thread Type | Bowl Size | Aluminum Hardcoat Part # |
|---|---|---|---|
| 3/4" | 1" NPSH | 1-1/4" | ABH08125 |
| 1" | 1" NST (NH) | 1-7/16" | ABH10143F |
| | | 1-1/2" | ABH10150F |

## Forged Forestry Couplings

**Feature**
- Common quarter turn sexless head (a 1-1/2" QT fitting will mate with a 3/4" QT or 1" QT)

**Specification**
- Maximum operating pressure: **300 PSI** at ambient temperature **70°F (21°C)**

### 1/4 Turn Male



| Thread | Forged Aluminum Part # |
|---|---|
| 3/4" GHT | QTM75GHT-F |
| 1" NPSH | QTM100S-F |
| 1" NPT | QTM100T-F |
| 11/2" NST (NH) | QTM150F-F |
| 1-1/2" NPT | QTM150T-F |

### 1/4 Turn Female



| Thread | Forged Aluminum Part # |
|---|---|
| 3/4" GHT | QTF75GHT-F |
| 1" NPSH | QTF100S-F |
| 1" NPT | QTF100T-F |
| 1-1/2" NST (NH) | QTF150F-F |
| 1-1/2" NPT | QTF150T-F |

### Forestry Coupling Gasket



| Neoprene Part # |
|---|
| QTG-F |

## Quick Connect Forestry Expansion Ring Couplings



**Feature**
- Sold in sets of (2) with expansion ring

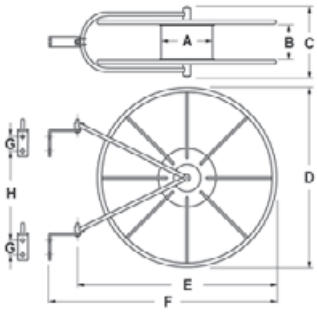
| Hose Size | Bowl Size | Forged Aluminum Part # |
|---|---|---|
| 1-1/2" | 1-11/16" | QTX150-F |



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## Style V Swing Type Hose Storage Reels






### Features

- Drum storage of collapsible hose prevents damaging kinks, allowing longer hose life
- Pivot mounting permits reel to swing to the proper angle preventing twists and kinks
- Open sides allow faster hose drying, to prevent mold and mildew
- Red polyester powder coat finish
- Wall mounting is standard; (2) wall mounting brackets included
- Style V5 (when used with 1-1/2" hose only), has a space between the reel sides to accommodate two widths of hose side by side, for maximum capacity in minimum space
- Replacement brackets - 1212-0930-4, (2) per set

| Size | Hose Capacity | | | A | B | C | D | E | F | G | H | Steel Part # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rack | Single | Double | | | | | | | | | |
| 1-1/2" - 1-3/4" | 100' | 75' | 50' | 8" | 3" | 7-1/2" | 21" | 23" | 27" | 2" | 11-3/8" | FHR-V1 |
| | 150' | 100' | 75' | 8" | 3" | 7-1/2" | 26" | 29" | 33" | 2" | 15" | FHR-V2 |
| 1-1/2" | 300' | 200' | 150' | 8" | 5-1/2" | 9-1/2" | 26" | 30" | 34" | 2" | 13" | FHR-V5 |
| 2" - 2-1/2" | 150' | 100' | 75' | 8" | 5-1/2" | 9-1/2" | 26" | 30" | 34" | 2" | 13" | FHR-V5 |

## Covers for Style V Swing Type Hose Storage Reels




### Features

- Velcro™ closures
- Printed on both sides

| Cover for | Dimensions | Vinyl Coated Nylon Part # |
|---|---|---|
| FHR-V2 | 26" | FHR-C |
| FHR-V1 | 21" | FHR-C1 |
| FHR-V5 | 26" | HSRC26 |

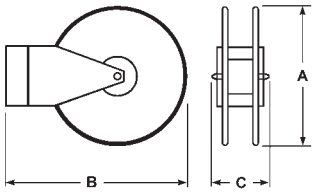
## Swing Type Hose Storage Reels

### Features
- One piece wall bracket (14 gauge), for easier mounting
- 180° swing will also take pipe clamps to 3"
- Compact size - smaller reel hub to allow more hose storage
- Baked red enamel finish
- Welded construction - rim (18 gauge) hub cap, welded spokes form solid wheels, separated by a molded poly hub and bolted together to form a sturdy unit
- Hose is double rolled from the center of length coupled to valve and nozzle
- Hose is ready for action when completely removed and valve is open



### Material
- 14 gauge steel support arms

| Hose Size | Hose Capacity | | Steel Part # |
|---|---|---|---|
| | Lightweight | Rubber Lined | |
| 1-1/2" | 150' | 50' - 75' | HSR18 |
| | 250' | 100' | HSR24 |
| 2-1/2" | 100' | 100' | HSR25-24 |




### Dimensions

| Cover for | A | B | C |
|---|---|---|---|
| HSR18 | 18" | 23-1/2" | 6-1/4" |
| HSR24 | 24" | 29" | 6-1/4" |
| HSR25-24 | 24" | 29" | 8-1/4" |

### Covers for Swing Type Hose Reels

**Application**
- To be used with hose storage reels, bright red fabric reinforced PVC with Velcro™ closures for quick release

**Feature**
- "Fire Hose / Keep Clear" printed on one side




| Cover for | Dimensions | Vinyl Part # |
|---|---|---|
| HSR18 | 16" - 18" | HSRC18 |
| HSR24 | 24" | HSRC24 |
| HSR25-24 | 24" - 25" | HSRC25-24 |

N

## Heavy Duty, High Capacity Swing Type Hose Storage Reel

### Features
- Welded steel wall bracket swings 180°
- Wall bracket adapts to pipes (1-1/2" - 3") with an optional pipe bracket kit
- Red baked enamel finish
- Supplied with hook-and-loop back strap to keep hose securely wound



| Size | Hose Capacity | | 16-gauge steel Part # |
|---|---|---|---|
| | Single Jacket | Double Jacket | |
| 1-1/2" | 200' | 150' | DXHDR25HC |
| 2-1/2" | 100' | 75' | |

### Cover for Heavy Duty Swing Type Hose Storage Reel

**Application**
- To be used with hose storage reels

**Feature**
- "Fire Hose / Keep Clear" printed on one side



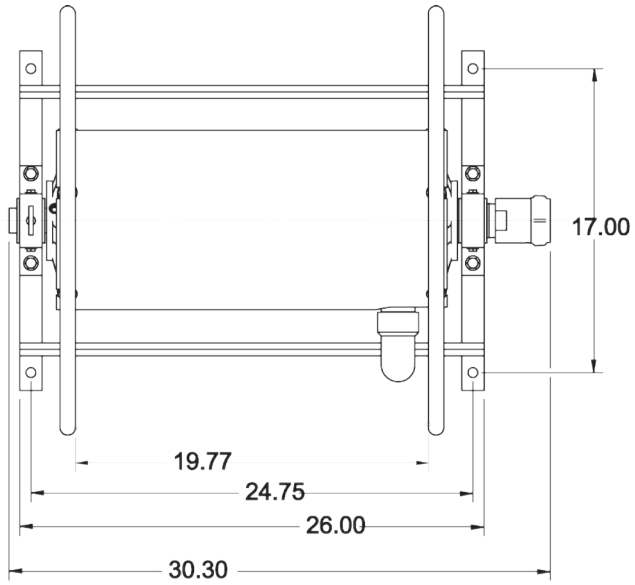

| Cover for | Dimensions | Vinyl Part # |
|---|---|---|
| DXHDR25HC | l: 26", h: 25", w: 8" | DXHDRC25HC |

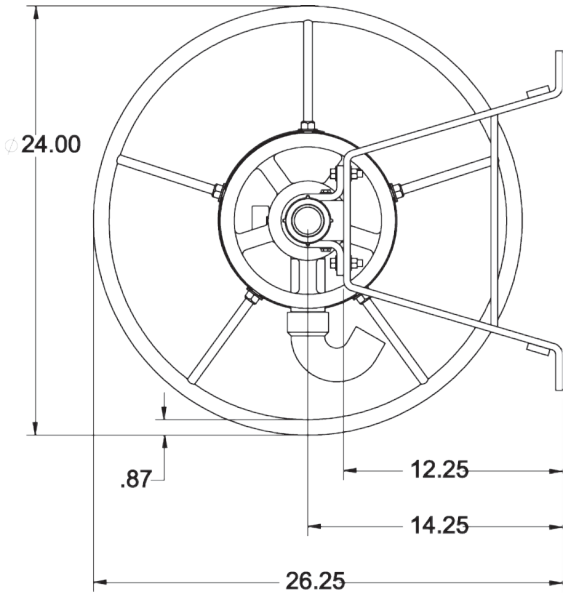
### Pipe Brackets for Heavy Duty Swing Type Hose Storage Reel

| Description | Vinyl Part # |
|---|---|



## Global Continuous Flow Reels






**Features**
- Greaseless swivel and reel bearings improve performance
- Optional adapters (order separately):
  FM15S15F = 1-1/2" FNPSH x 1-1/2" MNST brass
  FM1515F = 1-1/2" FNPT x 1-1/2" MNST brass
- Replacement inlet swivel joints at bottom of page

| Hose Size and Capacity | | Inlet Size | Outlet Size | Steel Part # |
|---|---|---|---|---|
| 3/4" | 250' | 1-1/2" NPT | 1-1/2" NPT | FD47IR-150-100 |
| 1" | 150' | | | |
| 1-1/2" | 100' | | | |

N




### Cover for Global Continuous Flow Hose Reel

| Cover for | Dimensions | Vinyl Part # |
|---|---|---|
| FD47IR-150-100 | 22" x 24" x 24" | FD47-C2 |

### Replacement Inlet Swivel Joint for FD47I-150-100



**Features**
- Ball-bearing swivel
- Requires no lubrication

**Specification**
- **200 PSI**

| Size | Cast Brass Part # |
|---|---|
| 1-1/2" | CSSF150T |

# Continuous Flow Reels

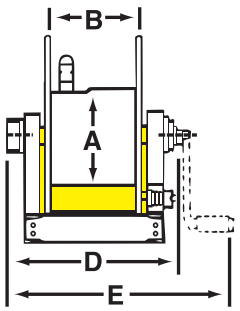
## Features

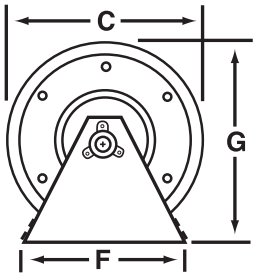
- Allows immediate and continuous flow of water at all times during deployment of hose
- One-person operation
- Use with non-collapsible hose shown on page 758
- Powder coated with an electrostatically-applied, thermally-fused, red polyester finish steel drum
- Rims and universal mounting stand

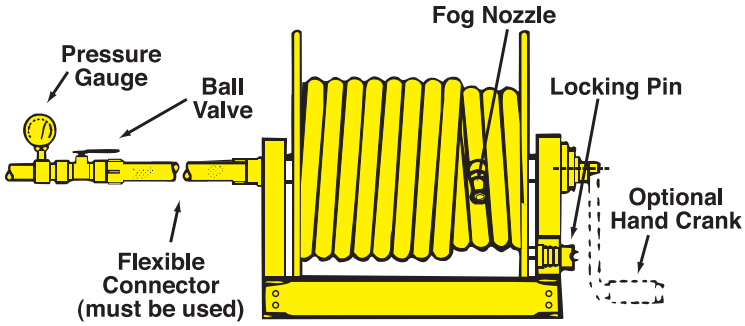
## Specification

- Female NPT inlet with male NST (NH) hose thread outlet

A flexible connector assembly must be installed directly between the hose reel inlet hub and the water supply. Failure to use the flexible connector assembly will void the warranty.




| Hose Size and Capacity | | | A | B | C | D | E | F | G | Inlet Size | Outlet Size | Steel Part # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/4" | 1" | 1-1/2" | | | | | | | | | | |
| 150' | 125' | --- | 10-1/2" | 11-1/2" | 24" | 19-1/4" | 24" | 21-3/4" | 26" | 1" | 1" | CFR47-1-100 |
| 250' | 150' | 100' | 10-1/2" | 20-1/2" | 24" | 28-1/4" | 33" | 21-3/4" | 26" | 1-1/2" | 1-1/2" | CFR47-150-100 |
| 400' | 300' | 150' | 10-1/2" | 28" | 24" | 35-3/4" | 40-1/2" | 21-3/4" | 26" | 1-1/2" | 1-1/2" | CFR47-1-200 |
| --- | --- | 200' | 10-1/2" | 34" | 24" | 41-3/4" | 46-1/2" | 21-3/4" | 26" | 1-1/2" | 1-1/2" | CFR47-150-200 |

## Optional Accessories

| Description | Part # |
|---|---|
| 1" x 18" flexible connector (male NPT x male NPT) | DX2836 |
| 1-1/2" x 18" flexible connector (male NPT x male NPT) | DX2839 |
| hand crank | CFR-HC |
| repair kit: contains O-ring, PTFE retaining ring for the inlet casting, spacer washer, and (2) steel retaining rings for the manifold | CFR-RK |

## Covers for Continuous Flow Hose Reels

| Cover for | Dimensions H x W x D | Vinyl Part # |
|---|---|---|
| CFR47-1-100 | 26" x 20" x 26" | CFR47-C1 |
| CFR47-1-200 | 26" x 36" x 26" | CFR47-C2 |
| CFR47-150-100 | 26" x 29" x 26" | CFR47-C3 |
| CFR47-150-200 | 26" x 42" x 26" | CFR47-C4 |






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## Carbon Steel Hose Reels



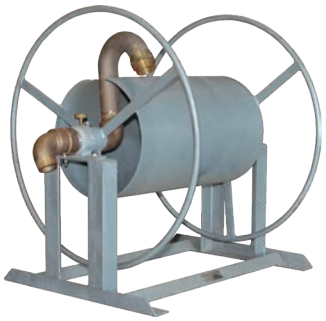
HD150-100PCR

### Sizes
- 24" stand
- Inlet: brass 1-1/2" MNPT 90° swivel
- Outlet: brass 1-1/2" MNST gooseneck
- 1-1/2" non-collapsible UVX hose (up to 150')

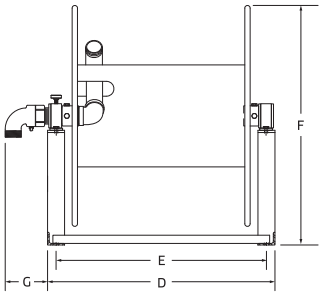
### Features
- Friction brake
- Left hand inlet
- Right hand inlet
- Red hose reel cover (hose not included)
- Natural, galvanized finish or red powder coated
- Made in USA
- Custom colors available; contact Dixon®

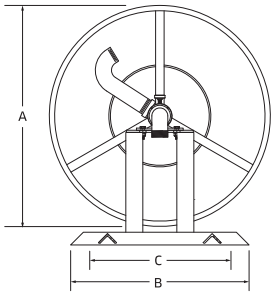
### Materials
- Reel and frame: heavy-duty welded carbon steel
- Reel and frame: hot dipped galvanized
- Waterway: brass and stainless steel
- Hardware: 316L stainless steel
- Bearings: greaseless polyethylene
- Hose roller assembly (aluminum or stainless steel brackets)
- Manual rewind hand crank (stainless steel with polyethylene handle)

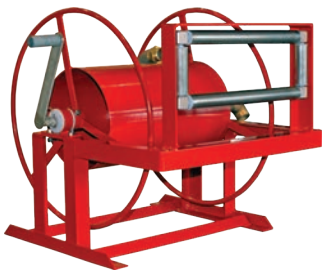
### Specifications
- Maximum working water pressure: **200 PSI**
- Inlet: brass 1-1/2" FNPT straight swivel inlet



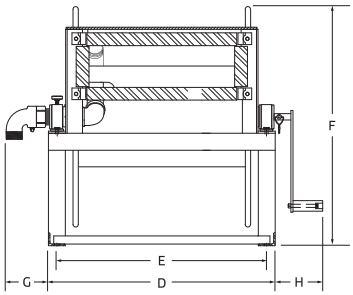
HD150-100G

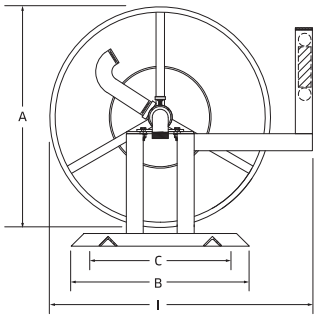


HD150-100PCRACC




| Hose Capacity | | Dimensions | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | A | B | C | D | E | F | G | H | I |
| 3/4" | 0-250' | 26" | 21" | 17" | 26" | 24-3/4" | 29-3/16" | 5" | 5-9/16" | 31" |
| 1" | 0-200' | | | | | | | | | |
| 1-1/2" | 0-150' | | | | | | | | | |

| Description | Part # |
|---|---|
| standard features, galvanized finish | HDR150-100G |
| hose roller assembly (aluminum), hand crank, galvanized finish | HDR150-100GACC |
| standard features, galvanized and powder coated (red) finish | HDR150-100PCR |
| hose roller assembly (aluminum), hand crank, galvanized and | |



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## Hump Racks

**Features**
- Compact, neat, and economical method of storing collapsible hose
- Pivot mounting permits rack to swing, preventing kinks and twists
- Rugged steel construction provides long, dependable service
- Red enamel finish for protection
- Open sides allow faster drying to prevent mold and mildew
- Wall mounting brackets are standard



| Hose Size | Hose Capacity | | | Steel Part # |
|---|---|---|---|---|
| | Synthetic | Single Jacket | Double Jacket | |
| 1-1/2" - 1-3/4" | 100' | 50' | --- | FHHR-1 |
| | 150' | 100' | 50' | FHHR-3 |
| 2" - 2-1/2" | 100' | 50' | --- | FHHR-2 |
| | 150' | 100' | 50' | FHHR-4 |
| 1-1/2" - 1-3/4" | 200' | 150' | 100' | FHHR-5 |

### Covers for Hump Racks




| Cover for | Dimensions | Vinyl Part # |
|---|---|---|
| FHHR-1 or FHHR-2 | 16" x 25-1/2" x 6" | FHHR-C |
| FHHR-3 or FHHR-4 | 24" x 29-1/2" x 6" | FHHR-C4 |
| FHHR-5 | 33-1/2" x 35-1/2" x 6" | FHHR-C5 |

## Hose Racks

**Features**
- Can be used for fire or water hose
- Provides compact and economical hose storage
- Curved saddle design avoids sharp bends in the hose prolonging hose life
- Red enamel finish

**Material**
- Constructed from 12 gauge sheet steel



| Hose Size | Hose Capacity | | | Steel Part # |
|---|---|---|---|---|
| | Rack | Single Jacket | Double Jacket | |
| 1-1/2" - 1-3/4" | 50' | --- | --- | HR1610-3 |
| | 100' | --- | --- | HR1610-6 |
| 1-1/2" - 2-1/2" | 200' | 150' | 100' | HR1610 |
| 2" - 2-1/2" | 50' | --- | --- | HR1610-4 |

## Pin Rack Hose Assembly



**Specifications**
- Components include: rack nipple, UL **300 PSI** angle valve, semi-automatic fire hose pin rack, brass rack nozzle, and a length of 1-1/2" pin rack hose

**Approvals**
- UL listed and Factory Mutual approved
- Per NFPA 1962, Chap. 4, in-service hose shall be un-racked and physically inspected at least annually

| NST (NH) Thread | Hose | Part # |
|---|---|---|
| 1-1/2" | 50' | FHPR150-50CBF |
| | 75' | FHPR150-75CBF |
| | 100' | FHPR150-100CBF |

## Semi Automatic Fire Hose Pin Racks



**Features**
- Red enameled steel
- Holds up to 100' of either 1-1/2" or 2-1/2" rack hose

**Approval**
- 1-1/2" is UL listed and Factory Mutual approved

| Hose Size | For use with | | Steel Part # |
|---|---|---|---|
| | Valve | Nipple | |
| 1-1/2" | AVF150 | PRN150F | FHPR150 |
| 2-1/2" | AVF250 | PRN250F | FHPR2515 |

### Covers for Pin Racks




**Application**
- Used on FHPR150, FHPR150-50CBF, FHPR150-75CBF, FHPR150-100CBF

**Feature**
- 10 oz. red vinyl with Velcro™ closures

| Size | Vinyl Part # |
|---|---|
| 25" x 30" x 6" | PRC |

### Pin Rack Nipples



**Material**
- Finish: -C polished chrome plated

| Male NPT | Male NST (NH) | Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | PRN150F |
| 2-1/2" | 2-1/2" | PRN250F |

### Pin Rack Wall Bracket



**Application**
- Used to support hose rack independent of a stand pipe valve

| Aluminum Part # |
|---|
| PRWB |



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# Steel Hose Cabinet

### Features
- Designed for wall installation, with or without legs, or free standing
- Supplied with holes in the back for wall mounting and 1" pipe couplings on the bottom for adding legs
- Hose, accessories, and mounting hardware not included
- Furnished without legs; if legs are required, contact Dixon®



### Material
- Red polyester coated finish on 18-gauge steel

### Approval
- Factory Mutual approved

| Steel Part # |
|---|
| HC30143 |

### Dimensions

| Width | Depth | Height |
|---|---|---|
| 60" | 15" | 48" |

### Basic Approved Equipment for Hose Cabinet

| Examples | | | Quantity Required | | |
|---|---|---|---|---|---|
| Part # | Description | Page # | Factory Mutual | UL & FIA | ISO |
| A525-50RAF[1] | 2-1/2" x 50' single jacket hose | 752 | 4 | 5 | 5 |
| A515-50RAF[1] | 1-1/2" x 50' single jacket hose | 752 | 2 | 0 | 0 |
| UPP250F[1] | Underwriters play pipe | 783 | 0 | 2 | 2 |
| BFN250NST[1] | 2-1/2" adjustable fog nozzle | 780 | 2 | 0 | 0 |
| BFN150NST[1] | 1-1/2" adjustable fog nozzle | 780 | 1 | 0 | 0 |
| HA2515F[1] | 2-1/2" x 1-1/2" pin lug adapter | 800 | 1 | 0 | 0 |
| 233 | universal spanner | 828 | 4 | 5 | 5 |
| 189 | adjustable hydrant wrench | 829 | 2 | 2 | 2 |
| PHFA6 | 6 lb. fire axe | 851 | 0 | 1 | 1 |
| FCB48 | crowbar | --- | 0 | 1 | 1 |
| SW150[1] | 1-1/2" hose coupling gasket | 767, 768, 782, 814 | 4 | 5 | 5 |
| SW250[1] | 2-1/2" hose coupling gasket | 767, 768, 782, 814, 821 | 2 | 0 | 0 |

[1] Threads must be appropriate to the authority having jurisdiction

## Fire Jacket for Hose



**Application**
- Used to protect hose and hose assemblies, tubing, piping, wiring and cables from high temperatures, direct flame, or molten splash

**Features**
- Helps maintain line temperature and reduce environmental overheating and overcooling
- Sleeving slides easily over hose and expands to go over fittings
- Resistant to hydraulic fluids and lubricating oil
- Iron oxide red color
- Supplied in 50' lengths
- Made in USA

**Material**
- Compounded silicone rubber coating over fiberglass

**Specifications**
- Temperature range: **-65°F** to **500°F (-54°C** to **260°C)**

**Approvals**
- Completely non-asbestos, REACH - ROHS compliant
- Meets flammability requirements of UL 94 HB & UL 94 V-0

| Nominal I.D. | Part # |
|---|---|
| 1/4" | 0610-4 |
| 3/8" | 1010-6 |
| 1/2" | 1310-8 |
| 5/8" | 1610-10 |
| 3/4" | 1910-12 |
| 7/8" | 2210-14 |
| 1" | 2510-16 |
| 1-1/4" | 3210-20 |
| 1-1/2" | 3810-24 |
| 1-3/4" | 4510-28 |
| 2" | 5110-32 |
| 2-1/2" | 6410-40 |
| 3" | 7610-48 |
| 4" | 10210-64 |

## Fire Jacket Tape





**Application**
- Used to seal the ends of fire jackets to prevent fraying and fluid wicking

**Features**
- Completely non-asbestos
- Iron oxide red color
- Made in USA

**Specification**
- Temperature range: **-45°F** to **380°F (-45°C** to **200°C)**

| Size | Length | Silicone Rubber Part # |
|---|---|---|
| 1" | 12 yards | FTH100 |

## Non-Adhesive Fire Tape



**Features**
- Fluid resistant to hydraulic fluids and lubricating oils
- Should be installed in a spiral wrap utlizing 30% to 50% overlap
- Iron oxide red color
- Made in the USA

**Specification**
- Temperature range: **-65°F** to **500°F (-54°C** to **260°C)**

| Width | Length | Fiberglass Coated Silicone Rubber Part # |
|---|---|---|
| 3" | 50' | 4055-3 |

## Bumpered Fog Nozzles

### Features
- Straight stream, capable of greater than 100° spray angle
- Twist shut-off and flow-type change

### Specification
- Maximum working pressure: **100 PSI**; maximum rated pressure: **175 PSI**

### Approvals
- FM Approved for class A and B fires
- UL certified for class A and B fires



BBN75

| Size | Thread | Rated Flow at Rated Pressure (GPM) | Rated Flow at Wide Open: GPM @ 100 PSI | Approvals | | | Brass Part # |
|---|---|---|---|---|---|---|---|
| | | | | FM | UL | ULC | |
| 3/4" | GHT | 54 | 54 | ✓ | ✓ | ✓ | BBN75GHT |
| | NPSH | | | ✓ | ✓ | ✓ | BBN75 |
| 1" | NPSH | 60 | 60 | ✓ | ✓ | ✓ | BBN100 |
| | NST | | | ✓ | ✓ | ✓ | BBN100NST |

## Global Approved Fog Nozzles

### Applications
- Industrial
- Rack and reel assemblies

### Feature
- Straight stream, fog, shut-off



### Specification
- Maximum working pressure: **150 PSI** (water only)

### Approvals
- FM Approved
- UL certified, ULC Listed

| Size | Thread | Brass Part # |
|---|---|---|
| 1-1/2" | NPSH | GBN150 |
| | NST | GBN150NST |
| 2-1/2" | NST | GBN250NST |

N

## Industrial Fog Nozzles



**Features**
- Delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- Supplied with bumper

**Specification**
- Maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**

**Approval**
- UL listed and Factory Mutual approved for class A and B fires (except noted [1, 2])

| Size | Thread | 90° Spray GPM @ 100 PSI | Brass Part # |
|---|---|---|---|
| 3/4" | GHT | --- | BFN75GHT[1] |
| | NPSH | --- | BFN75 |
| 1" | | **32** | BFN100 |
| 1-1/2" | | **85** | BFN150 |
| 2" | | **108** | BFN200[1, 2] |
| 2-1/2" | | **205** | BFN250 |
| 1" | NST (NH) | **32** | BFN100NST |
| 1-1/2" | | **85** | BFN150NST |
| 2-1/2" | | **205** | BFN250NST[2] |

[1] Not UL Listed
[2] Not Factory Mutual approved

NOTE: Replacement washers can be found on page 767

## Heavy Duty Industrial Fog Nozzles



**Features**
- Delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- Supplied with bumper

**Specification**
- Maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**

**Approvals**
- Factory Mutual approved
- Products are to be reapproved; data subject to change in coming months

| Size | Thread | 90° Spray GPM @ 100 PSI | Brass Part # |
|---|---|---|---|
| 1" | NPSH | --- | HFN100 |
| 1-1/2" | | **88 (+/-12)** | HFN150 |
| 1" | NST (NH) | --- | HFN100NST |
| 1-1/2" | | **88 (+/-12)** | HFN150NST |
| | NYFD | --- | HFN150NYFD |

NOTE: Replacement washers can be found on page 767; flow rate chart on following page 781

## High Pressure Industrial Fog Nozzles



**Features**
- Combination straight stream and fog - shut-off - straight stream - fog
- Large one-piece rubber bumper with molded teeth
- Knurled base

**Specifications**
- Working pressure: **25** to **300 PSI** (water only) at **70°F (21°C)**

**Approval**
- Factory Mutual approved

| Size | Thread | 90° Spray GPM @ 100 PSI | Brass Part # |
|---|---|---|---|
| 1-1/2" | NPSH | **117** | HPFN150 |
| | NST (NH) | | HPFN150NST |

NOTE: Replacement washers can be found on page 767; flow rate chart on following page 781

## Electrical Fire All-Fog Nozzles



**Features**
- Delivers 30° - 60° - 90° fog pattern, shutoff to 30° fog, adjustable to 90° fog
- Supplied with bumper
- Use of this nozzle is not likely to prove hazardous when nozzle is held in excess of 10 feet from electrical apparatus and circuits not involving more than 250,000 volts

**Specification**
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

**Approvals**
- UL listed approved for class C fires
- Products are to be reapproved; data subject to change in coming month

| Size | Thread | Wide Open GPM @ 100 PSI | Brass Part # |
|---|---|---|---|
| 1-1/2" | NST (NH) | **96** | BFNE150NST |
| | NPSH | | BFNE150 |



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## Fog Nozzles

**Features**
- Shutoff - straight stream - fog
- Brass stem

**Specification**
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

| Size | Thread | 90° Spray GPM @ 100 PSI | Polycarbonate[1] Part # | Polycarbonate[2] Part # |
|---|---|---|---|---|
| 3/4" | GHT | **8.0** | FNB75GHT[3, 4] | --- |
| | NPS | **30.9** | FNB75S[4] | --- |
| 1" | NPS | **11.4** | FNB100S[4] | FN100S |
| | | **30.9** | HGB100S | --- |
| 1-1/2" | NPS | **83.6** | FNB150S | FN150S |
| 1" | NST (NH) | **11.4** | FNB100NST | FN100NST |
| | | **30.9** | HGB100NST | --- |
| 1-1/2" | NST (NH) | **83.6** | FNB150NST | FN150NST |

[1] With bumper
[2] Without bumper
[3] Standard flow
[4] 120° spray **GPM** @**100 PSI**

NOTE: Replacement washers can be found on page 767


with bumper


without bumper

## Fog Nozzle Flow Rate Chart

| Part # | Inlet Pressure | | Straight Stream | | 30° | | 60° | | 90° | |
|---|---|---|---|---|---|---|---|---|---|---|
| | PSI | kPa | GPM | LPM | GPM | LPM | GPM | LPM | GPM | LPM |
| BFN100 | **50** | **(345)** | **18** | (68) | **21** | (79) | **24** | (91) | **27** | (102) |
| | **75** | **(517)** | **22** | (83) | **25** | (95) | **28** | (106) | **32** | (121) |
| | **100** | **(690)** | **24** | (91) | **28** | (106) | **32** | (121) | **36** | (136) |
| BFN250 | **50** | **(345)** | **90** | (341) | **120** | (454) | **130** | (492) | **145** | (549) |
| | **75** | **(517)** | **100** | (379) | **140** | (530) | **150** | (568) | **180** | (681) |
| | **100** | **(690)** | **110** | (416) | **165** | (625) | **180** | (681) | **205** | (776) |
| HFN100 | **100** | **(690)** | **25** | (95) | **---** | --- | **---** | --- | **---** | --- |
| HFN150 | **100** | **(690)** | **---** | --- | **---** | --- | **---** | --- | **86** | (326) |
| HPFN150 | **275** | **(1040)** | **---** | --- | **---** | --- | **---** | --- | **130** | (492) |

## Domestic Rack Nozzles

**Features**
- Delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- Supplied without bumper

**Approvals**
- UL listed and Factory Mutual approved for class A and B fires
- Products are to be reapproved; data subject to change in coming months

**Specification**
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**



| Size | Thread | Wide Open GPM @ 100 PSI | Brass Part # |
|---|---|---|---|
| 1-1/2" | NST (NH) | **100** | BRN150NST |
| | NPSH | | BRN150 |

NOTE: Replacement washers can be found on page 767

## Global Rack Nozzles

**Features**
- Delivers 30° - 60° - 90° fog pattern - shut-off - straight stream - fog
- Supplied without bumper

**Approvals**
- UL listed and Factory Mutual approved for class A and B fires
- New UL and FM approvals are pending due to change in standard UL 401
- Products are to be reapproved; data subject to change in coming months

**Specification**
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**



| Size | Thread | Wide Open GPM @ 100 PSI | Brass Part # |
|---|---|---|---|
| 1-1/2" | NST (NH) | **100** | BRN150NST-I |
| | NPSH | | BRN150S-I |

## Ball Shut-Offs





**Feature**

- Full-time swivel base ensures durable rubber-like handle can be positioned for easy operation

**Specification**

- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

| Thread | Length | Waterway | Cast Brass Part # |
|---|---|---|---|
| 1-1/2" NST (NH) | 4-3/4" | 1-3/8" | BSO150NST |
| 1-1/2" NPSH | | | BSO150S |

**Replacement Part**

| Description | Composite Part # |
|---|---|
| replacement handle | BSO150-H |

## Nozzle Tips



**Feature**

- Straight stream only

**Specifications**

- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- **74 GPM** @ **100 PSI**

| Thread | Length | Orifice | Satin Finish Brass Part # |
|---|---|---|---|
| 1" NST (NH) | 4-3/4" | 1/2" | BNT100F |
| 1" NPSH | | | BNT100S |
| 1-1/2" NST (NH) | | | BNT150F |
| 1-1/2" NPSH | | | BNT150S |

## Plain Hose Nozzles



**Specification**

- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

| Size | Thread | Overall Length | Orifice | Replacement Gasket | Satin Finish Brass | |
|---|---|---|---|---|---|---|
| | | | | | Previous Part # | Part # |
| 3/4" | GHT | 6" | 1/4" | KRW5 | 500SN6 | BN6 |
| | NPSH | 6" | 1/4" | KRW5 | --- | BN7 |
| 1" | NPSH | 8" | 5/16" | KRW10 | --- | BN10 |
| 1-1/4" | NPSH | 10" | 3/8" | KRW15 | --- | BN12 |
| 1-1/2" | NPSH | 10" | 1/2" | KRW20 | --- | BN15 |
| 2" | NPSH | 12" | 9/16" | SW200 | --- | BN20 |
| 2-1/2" | NPSH | 12" | 1" | KRW35 | --- | BN25 |
| 1" | NST (NH) | 8" | 5/16" | SW100F | --- | BN10F |
| 1-1/2" | NST (NH) | 10" | 1/2" | SW150 | --- | BN15F |
| 2-1/2" | NST (NH) | 12" | 1" | SW250 | --- | BN25F |
| 1-1/2" | NYFD | 10" | 1/2" | SW150 | --- | BN15NYFD |
| 2-1/2" | NYFD | 12" | 1" | SW250 | --- | BN25NYFD |

## Imported Twist Nozzles



**Specification**

- Maximum operating pressure **150 PSI** (water only)

| Thread Size | Length | Extruded Brass | |
|---|---|---|---|
| | | Previous Part # | Part # |
| 3/4" GHT | 4" | --- | BTN75 |
| | | | 500AN4 |
| | 6-3/4" | 500-AN7 | 500AN7 |



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## Red Plain Hose Nozzles



**Specification**
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

| Size | Thread | Length | Orifice | Polycarbonate Part # |
|---|---|---|---|---|
| 1-1/2" | NPSH | 10" | 1/2" | PN15 |
| | NST (NH) | | | PN15F |

## UL Play Pipes with Tip



**Application**
- Often required in hydrant houses by insurance underwriters

**Features**
- Swivel handle, red marlin trim
- Comes standard with 1-1/8" orifice tip

**Specification**
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

**Approvals**
- UL listed and Factory Mutual approved
- ULT male thread specification: 2-3/16" ODM x 12 TPI

| Size | Female Thread | Male Thread | Overall Length | Brass Part # |
|---|---|---|---|---|
| 2-1/2" | NST (NH) | ULT | 30" | UPP250F |
| playpipe only | | | | UPP250F-SPEC |

### Tips



**Feature**
- Finish: satin

**Specification**
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

**Approval**
- ULT male thread specification: 2-3/16" ODM x 12 TPI

| Orifice | Cast Brass Part # |
|---|---|
| 1-1/8" | UPPT |
| 1-1/4" | UPPT125 |
| 1-1/2" | UPPT150 |
| 1-3/4" | UPPT175 |

## Street Cleaning Nozzles



**Feature**
- Welded fabrication

| Size | Connection | Aluminum Part # |
|---|---|---|
| 2" | female cam | 200DBAL |
| 3" | female cam | 300DBAL |



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## U.S. Coast Guard Approved AFFF / Water Fog Nozzles



CGSN150F



CGSN151F

### Application

- Designed for maximum efficiency with AFFF (Aqueous Film Forming Foams) or water on shipboard, offshore rigs, and industrial applications

### Features

- Corrosion resistant brass construction
- Rubber-like bumper and handle for added protection
- Zytel (nylon) horseshoe handle
- Double row of molded teeth for excellent fog pattern
- Flush without shutting down
- Constant gallonage in all fog and straight stream patterns
- Combination fog and straight stream

### Specification

- Maximum operating pressure: **100 PSI** (water/AFFF only) at **70°F (21°C)**

| Thread NST (NH) | Description | Fog Flow GPM @ 100 PSI | Approval # | Brass Part # |
|---|---|---|---|---|
| 1-1/2" | nozzle | **95** | 162.027/13/0 | CGSN150F |
| | nozzle w/pistol grip | | 162.027/14/0 | CGSN151F |

NOTE: Gaskets are special order. Please call 877.712.6179 for assistance.

| Thread NPSH | Description | Fog Flow GPM @100 PSI | Brass Part # |
|---|---|---|---|
| 1-1/2" | nozzle | **95** | CGSN150S |
| | nozzle w/pistol grip | | CGSN151S |

## U.S. Coast Guard Approved Fog Nozzles

N

### Application

- Designed to US Coast Guard specifications for fighting fires with drafted water; required equipment for all commercial vessels under US registry

### Features

- Corrosion-resistant brass construction
- Combination fog and straight stream for shipboard fire fighting
- Applicator tips are available; consult Dixon® for pricing and availability



### Specification

- Maximum operating pressure: **100 PSI** (water/AFFF only) at **70°F (21°C)**

| Thread | Fog Flow GPM @100 PSI | Cast Brass Part # |
|---|---|---|
| 1-1/2" NST | **55** | CGN150NST |
| 2-1/2" NST | **108** | CGN250NST |

NOTE: Gaskets and tips are special order. Please call 877.712.6179 for assistance.

## Omega™ Monitor

FM

### Features
- Cast-in turning vanes for a more efficient flow
- 360° horizontal and 150° vertical travel
- 4 bolt hole pattern on flange



### Specification
- Friction loss: **10 PSI** at **800 GPM** (.7 bar at 3030 LPM)

### Approval
- Factory Mutual approved

| Size | Inlet | Outlet | Waterway | Flow GPM | Brass Part # |
|---|---|---|---|---|---|
| 17" x 11-1/2" | 3" flange | 2-1/2" MNST | 3" | **1250** | AK3526-300FL |

NOTE: For flange dimensions, diagrams and additional information please reference dixonvalve.com.

## Monitor Nozzle

### Features
- Fixed teeth
- Combination straight stream and fog - no shutoff
- Fixed gallonage master stream nozzle



### Specifications
- Factory set at **500 GPM** (1900 LPM); field changeable to **300** or **700 GPM** (1140 or 2660 LPM)
- Maximum operating pressure: **100 PSI** (water only)

| Size | Thread | 90° Spray GPM @ 100 PSI | Brass Part # |
|---|---|---|---|
| 2-1/2" | NST (NH) | **500** | AK4450NST |

NOTE: Gaskets are special order, please call 877.712.6179 for assistance.

## FirePro™ Monitor

FM

### Features
- 360° horizontal and 140° vertical travel
- Red epoxy finish standard
- 150# ASA raised face 4" flange

### Specification
- Seamless 2-1/2" monitor - rated at **750 GPM**

### Approval
- Factory Mutual approved

### Materials
- Carbon steel construction, stainless steel discharge tip and ball bearings



N

| Size | Inlet | Outlet | Waterway | Flow GPM | Carbon Steel Part # |
|---|---|---|---|---|---|
| 22" x 13" | 4" flange | 2-1/2" MNST | 2-1/2" | **750** | FP475S |

NOTE: Gaskets are special order, please call 877.712.6179 for assistance.
NOTE: For flange dimensions, diagrams and additional information please reference dixonvalve.com.

## Master Stream Nozzles

### Features
- Featuring a straight stream to fog 'quick throw' pattern change
- Constant gallonage

### Specification
- Factory set at **500 GPM**



| Size | Thread | Material | Part # |
|---|---|---|---|
| 2-1/2" | NST (NH) | brass | FP500B[1] |
| | | aluminum | FP500A[2] |

[1] Factory Mutual approved FM
[2] Not Factory Mutual approved

## Factory Mutual Approved Fog Nozzles


with bumper


without bumper

**Features**
- Shutoff - straight stream - fog
- Wings on sleeve for ease of adjustment

**Material**
- Brass stem with locking nut

**Specification**
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

**Approval**
- Factory Mutual approved

| Size | Thread | 90° Spray GPM @ 100 PSI | FM Approved Polycarbonate[1] Part # | Polycarbonate[2, 4] Global Part # |
|---|---|---|---|---|
| 3/4" | GHT | **30.9** | SL075GHT[3] | --- |
| | NPSH | **30.9** | SL075[3] | --- |
| 1" | NPSH | **30.9** | SL100[3] | PFNB100S |
| 1-1/2" | NPSH | **75.0** | SL150 | PFNB150S |
| 1" | NST (NH) | **30.9** | SL100NST | --- |
| 1-1/2" | NST (NH) | **75.0** | SL150NST | PFNB150NST |

[1] With bumper
[2] Without bumper
[3] 120° spray on 3/4" and 1"
[3] Not Factory Mutual approve

## Polycarbonate Electrical Fire All-Fog Nozzles



**Feature**
- Opens and closes in a 30° fog pattern up to 120°- no straight stream

**Material**
- Brass stem

**Specification**
- Maximum operating pressure: **100 PSI** (water only) at **70˚F (21˚C)**

| Size | Thread | 75° Spray GPM @ 100 PSI | Polycarbonate Part # |
|---|---|---|---|
| 1-1/2" | NPS | **92** | FNBE150S |
| | NST (NH) | | FNBE150NST |

## Fog Nozzle Gaskets



| Size | Thread | I.D. | O.D. | Thickness | Nitrile Rubber Part # |
|---|---|---|---|---|---|
| 1" | NPSH | 0.937" | 1.234" | 0.125" | FNG100S |
| | | 1.000" | 1.375" | 0.125" | HGG100S |
| 1-1/2" | NPSH | 1.500" | 1.827" | 0.125" | FNG150S |
| 1" | NST (NH) | 0.937" | 1.281" | 0.125" | FNG100NST |
| | | 1.000" | 1.375" | 0.125" | HGG100NST |
| 1-1/2" | NST (NH) | 1.510" | 1.906" | 0.125" | FNG150NST |

NOTE: Dimensions are nominal



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## Constant Flow Fog Nozzles

### Features
- Provides consistent volume at any spray angle
- Adjusts from straight stream to fog

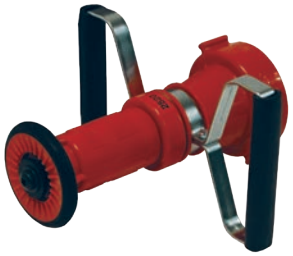
### Specification
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

### Material
- Red polycarbonate with bumper and black plastic and steel stem

### Approval
- 1" and 1-1/2" are ULC listed

| Size | Thread | 90° Spray GPM @ 100 PSI | Polycarbonate Part # |
|---|---|---|---|
| 3/4" | GHT | **8** | CFB75GHT |
| 1" | NPSH | **22** | CFB100S |
| 1-1/2" | NPSH | **75** | CFB150S[1] |
| | | **150** | HGCFB150S[2] |
| 2" | NPSH | **75** | CFB2015S[1] |
| | | **150** | CFB200S[2] |
| 1" | NST (NH) | **22** | CFB100NST |
| 1-1/2" | NST (NH) | **75** | CFB150NST[1] |
| | | **150** | HGCFB150NST[2] |
| 2-1/2" | NST (NH) | **150** | CFB250NST[3] |
| | | **215** | HGCFB250NST[2, 4] |

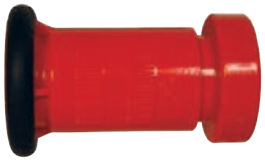
[1] Standard flow
[2] High flow
[3] Provided with handles



2-1/2" nozzle with handles



2-1/2" nozzle without handles



1" nozzle

NOTE: Gaskets located below
NOTE: NYF– New York Fire Dept. Thread 1" (2.100 ODM X 8 TPI) — 2-1/2" (3.030 ODM X 8 TPI)
CF – Chicago Fire Dept. Thread 1-1/2" (1.933 ODM X 11.5 TPI) — 2-1/2" (2.990 ODM X 7.5 TPI)
NYC– New York Corporation Thread 1-1/2" (2.093 ODM X 11 TPI) — 2-1/2" (3.000 ODM X 8 TPI)
Also available CSA, BAT, NSS

## Blue Refinery Fog Nozzles

### Features
- Provides consistent volume at any spray angle
- Adjusts from straight stream to fog
- Resistant to petrochemicals

### Specification
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**



N

### Materials
- Glass-filled
- Blue polycarbonate with bumper and black plastic and steel stem

| Size | Thread | 90° Spray GPM @ 100 PSI | Polycarbonate Part # |
|---|---|---|---|
| 1-1/2" | NPSH | **75** | RNB150S |
| | NST (NH) | **75** | RNB150NST |

## Gaskets

### Application
- Used on constant flow and refinery fog nozzles

| Size | Thread | I.D. | O.D. | Thickness | Nitrile Rubber Part # |
|---|---|---|---|---|---|
| 1" | NPSH | 0.900" | 1.270" | 0.125" | CFG100S |
| 1-1/2" | | 1.510" | 1.878" | 0.125" | CFG150S |
| 2" | | 1.680" | 2.340" | 0.156" | CFG200S |
| 1" | NST (NH) | 0.900" | 1.270" | 0.125" | CFG100NST |
| 1-1/2" | | 1.510" | 1.906" | 0.125" | CFG150NST |
| 2-1/2" | | 2.250" | 3.000" | 0.187" | CFG250NST |



## Tri-Flo Fog Nozzles



**Features**
- Corrosion resistant plated aluminum
- Combination 170° fog and straight stream
- Venturi flow improves straight stream and gallonage
- No nozzle teeth eliminates fingers and voids in the spray pattern thus producing a dense fog

| Size | Thread | GPM @ 100 PSI Straight Stream | 6061 T-6 Aluminum Part # |
|---|---|---|---|
| 1-1/2" | NST | 60-100-140 | TFN150NST-140 |
| | NPSH | | TFN150-140 |
| | NST | 75-150-200 | TFN150NST-200 |
| | NPSH | | TFN150-200 |

## Econo Fog Nozzles

**Application**
- For cabinet use; discourages theft



**Features**
- Rugged, lightweight, corrosion resistant
- Supplied without bumper

**Specification**
- For use up to **100 PSI** (water only)

| Size | Thread | Straight Stream @ 100 PSI | 6061-T6 Aluminum Part # |
|---|---|---|---|
| 1" | NPSH | 56 | AFN100 |
| | NST | | AFN100NST |
| 1-1/2" | NPSH | | AFN150 |
| | NST | | AFN150NST |

## Heavy Duty Constant Flow Fog Nozzles



| Size | Thread | Length | GPM @ 100 PSI | Fiberglass Reinforced Composite Part # |
|---|---|---|---|---|
| 1-1/2" | NPSH | 5" | 95 | CFFR150 |
| | NST (NH) | | | CFFR150NST |

## Garden Hose Nozzles



GHN75



GHN75-B

**Features**
- Offers two straight streams and one fog pattern[1]
- Massive bumper specially formulated to resist damage and aging
- Corrosion resistant hard coat

| Size | Thread | GPM @ 40 PSI Straight Stream | | 6061-T6 Aluminum Part # |
|---|---|---|---|---|
| | | 1st | 2nd | |
| 3/4" | GHT - without bumper | 1-2 | 3-4 | GHN75 |
| | GHT - with bumper | | | GHN75-B |

[1] Fog pattern is **4-5 GPM** @ **40 PSI**



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## Break Apart Attack Nozzles



### Application
- Low-cost, versatile, and easy-to-use nozzle for first responders in rural and suburban fire departments

### Features
- Minimal training required to connect and operate the nozzle
- Nozzle can be separated from the shut off valve for extended hose lays and other uses

### Specification
- Nozzle uses a 1-1/2" coupler, provides **20-90 GPM** fog or straight-stream flows at **100 PSI**

### Approval
- Meets or exceeds USDA Forestry Service standards

| Size | Thread | Aluminum Part # |
|---|---|---|
| 1" | NPSH | ABN100S |
| | NST (NH) | ABN100F |
| 1-1/2" | NPSH | ABN150S |
| | NST (NH) | ABN150F |

## Ball Shut-Off Nozzles - Bolted Style



### Features
- Rugged and lightweight
- Pistol grip
- Hardcoated female swivel inlet and male outlet

### Specification
- Maximum operating pressure: **200 PSI** (water only) at **70°F (21°C)**

| Size | Thread | Waterway | Cast Aluminum Part # |
|---|---|---|---|
| 1-1/2" | NST (NH) | 1-3/8" | ACPSO150F |
| | NPSH | | ACPSO150 |

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## Pistol Grip Adapters



### Application
- Converts any standard fog nozzle to a well-balanced, easy-to-hold pistol grip fog nozzle, making the job of holding high pressure lines easier

### Features
- Full-time ball bearing swivel base
- Corrosion resistant

### Approval
- Hardcoated per MIL-A-8625-F TYPE 111 (Polylube 1)

| Size | Thread | 6061 T-6 Aluminum Part # |
|---|---|---|
| 1" | NST | PGA100NST |
| 1-1/2" | NST | PGA150NST |
| | NPSH | PGA150NPSH |
| 2-1/2" | NST | PGA250NST |

## Single Gallonage Shut-off Nozzles



**Size**
- 1-1/16" waterway

**Features**
- Lightweight and easily maneuvered
- Full-time ball bearing swivel base

**Materials**
- PTFE hard-coated for greater corrosion resistance and durability
- Metal ball with non-stick Delrin® seats

| Size | Thread | Constant GPM @ 100 PSI | Aluminum Part # |
|---|---|---|---|
| 1" | NST | 95 | BVSO100NST |
| | NPSH | | BVSO100 |
| 1-1/2" | NST | | BVSO150NST |
| | NPSH | | BVSO150 |
| | NST | 125 | BVSO150NST-125 |
| | NPSH | | BVSO150-125 |

## Dual Gallonage Shut-off Nozzles



**Size**
- 1-1/16" waterway

**Features**
- Lightweight and easily maneuvered
- Full-time ball bearing swivel base

**Materials**
- PTFE hard-coated for greater corrosion resistance and durability
- Metal ball with non-stick Delrin® seats

| Size | Thread | Constant GPM @ 100 PSI | Aluminum Part # |
|---|---|---|---|
| 1" | NST | 25 - 70 | --- |
| | NPSH | | BVDSO100 |
| 1-1/2" | NST | | BVDSO150NST |
| | NPSH | | BVDSO150 |

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## Adjustable Tri-Flo Selectable Gallonage Nozzles



**Features**
- Full-time ball bearing swivel base
- Dense fog delivery with no voids or fingers in pattern

**Materials**
- Corrosion resistant plated with Neoprene bumper
- Metal ball with non-stick Delrin® seats

| Size | Thread | Constant GPM @ 100 PSI | Aluminum Part # |
|---|---|---|---|
| 1-1/2" | NST | 60 - 100 - 140 | BVTSO150NST |
| | NPSH | | BVTSO150 |
| | NST | 75 - 150 - 200 | BVTSO150NST-200 |
| | NPSH | | BVTSO150-200 |
| 2-1/2" | NST | 100 - 200 - 300 | BVTSO250NST |

## Global Forestry Fog Nozzles



| Size | Thread | GPM @ 100 PSI Straight Stream | | Anodized Aluminum Part # |
|---|---|---|---|---|
| | | 1st | 2nd | |
| 1-1/2" | NPSH | 23.8 | 73.9 | GFN150 |

## Forestry Fog Nozzles

**Features**
- Maroon hard-coated barrel allows for easy identification
- Corrosion resistant plated
- Dual flow rate nozzles offer two straight stream and two fog patterns
- Combination fog and straight stream

**Specification**
- Maximum operating pressure: **600 PSI** (water only) at **70°F (21°C)**

| Size | Thread | GPM @ 100 PSI Straight Stream | | 6061-T6 Aluminum Part # |
|---|---|---|---|---|
| | | 1st | 2nd | |
| 3/4" | GHT | **1-2** | **3-4**[1] | FFN75GHT[1] |
| 1" | NPSH | **12** | **25** | FFN100[2, 4] |
| 1-1/2" | NPSH | **25** | **70** | FFN150 |
| 1" | NST (NH) | **12** | **25** | FFN100NST |
| 1-1/2" | NST (NH) | **25** | **70** | FFN150NST[3, 4] |

[1] **GPM @ 40 PSI**
[2] FFN100 meets USFS 5100-239A and NSN 4210-01-165-6603
[3] FFN150NST meets USFS 5100-107A and NSN 4210-01-167-1123
[4] both nozzles conform to Forestry Service specification 5100-239C and 5100-107a


FFN75GHT


FFN100

## Forestry Grade Ball Shutoff Nozzles

**Feature**
- Hardcoated threads, acetal ball, and rigid inlet

**Approvals**
- NFPA1964 compliant
- FSS specification 5100-238

**Specification**
- Maximum operating pressure: **600 PSI** at ambient temperature **70°F (21°C)**

| Size | Thread | Waterway | Anodized Aluminum Part # |
|---|---|---|---|
| 1" | NPSH | 3/4" | FBSO100S |
| 1-1/2" | | 1" | FBSO150S |
| 1" | NST (NH) | 3/4" | FBSO100F |
| 1-1/2" | | 1" | FBSO150F |



## Forestry Grade Ball Shutoff Pistol Grips

**Features**
- Hardcoated threads, acetal ball, and full time live swivel inlet

**Approvals**
- NFPA1964 compliant
- FSS specification 5100-238

**Specification**
- Maximum operating pressure: **600 PSI** at ambient temperature **70°F (21°C)**

| Size | Thread | Waterway | Anodized Aluminum Part # |
|---|---|---|---|
| 1" | NPSH | 3/4" | FBSO100S-PG |
| 1-1/2" | | 1" | FBSO150S-PG |
| 1" | NST (NH) | 3/4" | FBSO100F-PG |
| 1-1/2" | | 1" | FBSO150F-PG |



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## Ball Shutoff Nozzle Tips

**Size**
- 1/2" orifice standard; other sizes available, contact Dixon®

**Feature**
- Lightweight

**Specification**
- Maximum operating pressure: **200 PSI** (water only) at ambient temperature **70°F (21°C)**

| Size | Thread | Length | Orifice | Anodized Aluminum Part # |
|---|---|---|---|---|
| 1" | NPSH | 4" | 1/2" | ANT100 |
| 1-1/2" | | 4-3/4" | | ANT150 |
| 1" | NST (NH) | 4" | | ANT100F |
| 1-1/2" | | 4-3/4" | | ANT150F |


NPSH



## Penetrator Nozzles



**Feature**
- 1/4" discharge orifice generates a high velocity water jet that is effective against deep seated wildland fires

**Specifications**
- Maximum operating pressure: **200 PSI** (water only) at ambient temperature **70°F (21°C)**
- Designed with standard 1-1/2" NPSH male hose threads that are converted to female thread for connection to the hose using a double female rigid connector

| Size | Thread | Length | Orifice | Polycarbonate Part # |
|---|---|---|---|---|
| 1-1/2" | NPSH | 5-1/2" | 1/4" | PFN4005S |
| | NST (NH) | | | PFN4005F |

## Twin Tip Straight Stream Forestry Nozzles



**Size**
- Solid, one-piece reversible twin tip has 1/4" and 3/8" orifices

**Material**
- Molded, high-strength red polycarbonate

**Specification**
- Maximum operating pressure: **100 PSI** (water only) at ambient temperature **70°F (21°C)**

| Size | Thread | Length with tip | Length without tip | Orifice of base nozzle | Polycarbonate Part # |
|---|---|---|---|---|---|
| 1-1/2" | NPSH | 9" | 7-1/2" | 1/2" | PTTF150S |
| | NST (NH) | | | | PTTF150F |

## Ball Shut-Off with Nozzle



FNPSO150F-30

FNPSO150S-30

**Features**
- Flexible design allows nozzle tip to be detached so a mating foam inductor can be inserted between the tip and shut-off valve
- Lightweight
- Black pistol grip shutoff with nozzle

**Specification**
- Maximum operating pressure: **150 PSI** (water or AFFF only) at **70°F (21°C)**

| Size | Body Color | Thread | GPM | Polycarbonate Part # |
|---|---|---|---|---|
| 1-1/2" | red | NPSH | **30** | FNPSO150S-30 |
| | orange | NST (NH) | | FNPSO150F-30 |
| 1-1/2" | red | NPSH | **70** | FNPSO150S-70 |
| | orange | NST (NH) | | FNPSO150F-70 |

## Ball Shut-Off Pistol Grips



**Feature**
- Lightweight

**Specification**
- Maximum operating pressure: **150 PSI** (water or AFFF only) at ambient temperature **70°F (21°C)**

| Size | Thread | Polycarbonate Part # |
|---|---|---|
| 1-1/2" | NPSH | PPSO150S |
| | NST (NH) | PPSO150F |



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## Viper® Forestry Nozzles



### Features
- 1.5" ball shutoff nozzle
- Forestry nozzle
- Swiveled female inlet

### Materials
- Constructed of hard anodized aluminum
- Handle is made of composite material

### Specification
- Maximum working pressure **100 PSI**



| Size | Thread | Anodized Aluminum Part # |
|---|---|---|
| 1" | NST (NH) | DVB1560F |
| | NPSH | DVB1560S |
| 1-1/2" | NST (NH) | DVB3012F |
| | NPSH | DVB3012S |

## Dual Range Nozzle/Tips



### Application
- Ideal for forestry, fire fighting, and industrial uses

### Features
- Adjustable from fog, to straight, or off with twist shut off
- Heavy duty rubber bumper

### Material
- Dual flow nozzles are constructed of hard anodized aluminum and stainless steel internal components

### Specification
- Maximum working pressure **100 PSI**



| Size | Thread | GPM @ 100 PSI | Anodized Aluminum Part # |
|---|---|---|---|
| 1" | NST without bumper | 10 - 23 | D11023BLF |
| | NPSH without bumper | | D11023BLS |
| | NST with bumper | | DB11023F |
| | NPSH with bumper | | DB11023S |
| 1.5" | NST | 20 - 60 | D156020F |
| | NPSH | | D156020S |

## Blue Devil® Select Gallonage Nozzle



### Features
- Rylostatic teeth directly machined to the nozzle
- Four gallonage selection rings **5**, **10**, **25,** and **50 GPM** and flush without pattern change

### Specification
- Maximum working pressure **100 PSI**

### Approval
- NFPA 1964 Compliant



| Size | Thread | GPM @ 100 PSI | Part # |
|---|---|---|---|
| 1" | NST | 5 - 50 | DBD550F |
| | NPSH | | DBD550S |
| | NST | 15 - 60 | DBD1560F |

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## Viper® Select Gallonage Nozzle





**Feature**
- Four gallonage selection rings **30**, **60**, **90,** and **125 GPM**

**Materials**
- Constructed of E-Lite® aluminum and brass internals

**Specification**
- Maximum working pressure **100 PSI**

| Size | Thread | GPM @ 100 PSI | Part # |
|---|---|---|---|
| 1-1/2" | NST | 30 - 125 | DSG3012F |
| | NPSH | | DSG3012S |

**Feature**
- Four gallonage selection rings **15**, **30**, **50,** and **60 GPM**

| Size | Thread | GPM @ 100 PSI | Part # |
|---|---|---|---|
| 1-1/2" | NST | 15 - 60 | DSG1560F |
| | NPSH | | DSG1560S |

## Viper Select Gallonage Low Flow Nozzle



**Features**
- Four gallonage selection rings **5**, **10**, **25,** and **40 GPM**
- Available without pistol grip

**Materials**
- Constructed of E-Lite aluminum and brass internals

**Specification**
- Maximum working pressure **100 PSI**

| Size | Thread | GPM @ 100 PSI | Part # |
|---|---|---|---|
| 1" | NST | 5 - 40 | DSG540F |
| | NPSH | | DSG540S |

## Viper Constant Gallonage Nozzle





**Features**
- Fulltime swivels and spinning teeth
- BIMATIC flush system allows flush without shutting down
- Removeable pistol grip

**Materials**
- Constructed of E-Lite aluminum and brass internals

**Specification**
- Maximum working pressure **100 PSI**

| Size | Thread | GPM @ 100 PSI | Part # |
|---|---|---|---|
| 1-1/2" | NST | 60 - 95 | DCG2510F |
| | NPSH | | DCG2510S |
| 2-1/2" | NST | 150 - 200 | DCG8020F |
| | NPSH | | DCG8020S |



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## Double Female Hex Adapters

**Feature**
- Other configurations are available; consult Dixon® for information

| Female Thread | Female NST (NH) Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" NPT | 1-1/2" | FFH1515F |
| 2-1/2" NPT | 2-1/2" | FFH2525F |
| 1-1/2" NST (NH) | 1-1/2" | FFH15F15F |
| 2-1/2" NST (NH) | 2-1/2" | FFH25F25F |



| Female Thread | Female NYFD | Cast Brass Part # |
|---|---|---|
| 1-1/2" NYFD | 1-1/2" | FFH15NYFD15NYFD |
| 1-1/2" NPT | 1-1/2" | FFH1515NYFD |
| 2-1/2" NPT | 2-1/2" | FFH2525NYFD |

| Female Thread | Female Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" NPT | 1-1/2" NPSH | FFH15T15S |

## Female Rocker Lug - Suction Adapters with Poly Screen

**Feature**
- Suction intake with strainer screen

| Female NST (NH) Thread | Female NPT Thread | Cast Brass Part # |
|---|---|---|
| 2-1/2" | 1-1/2" | RSFSA25F15T |
| | 2" | RSFSA25F20T |
| | 2-1/2" | RSFSA250F |
| | 3" | RSFSA25F30T |





NOTE: All adapters are made to approved Dixon specifications.

## (Open Snoot) Female Swivel Adapters - Pin Lug

**Feature**
- Other configurations are available; consult Dixon® for information
- Finishes: -P polished, -C polished chrome plated

**Specification**
- Double female rigid hexagon to swivel connection, rigid end thread is always NPT, hose thread is on swivel end



| Female Swivel Thread | Female Rigid Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" NST (NH) | 1-1/2" NPT | SF150F |
| 1-1/2" NPSH | | SF150S |
| 2-1/2" NST (NH) | | SF25F15T |
| | 2" NPT | SF25F20T |
| 2-1/2" NYFD | 2-1/2" NPT | SF250NYFD |
| 2-1/2" NST (NH) | | SF250F |
| | | SF250F-P |
| | | SF250F-C |
| 2-1/2" NPSH | | SF250S |
| 2-1/2" NST (NH) | 3" NPT | SF25F30T |
| 3" NST (NH) | | SF300F |
| 3" NYFD | | SF300NYFD |
| 4" NST (NH) | 4" NPT | SF400F |

## Domestic Female Swivel Adapters - Pin Lug



**Feature**
- Other configurations are available; consult Dixon for information

| Female NST (NH) Swivel Thread | Female Rigid NPT Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | SF150F-D |
| 2-1/2" | 2-1/2" | SF250F-D |
| | 2" | SF25F20T-D |

## (Open Snoot) Female Swivel Adapters - Rocker Lug



**Feature**
- Other configurations are available, consult Dixon for information

| Female NST (NH) Thread | Female Rigid NPT Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | RSF150F |
| 2-1/2" | 1-1/2" | RSF25F15T |
| | 2" | RSF25F20T |
| | 2-1/2" | RSF250F |
| | 3" | RSF25F30T |

NOTE: All adapters are made to approved Dixon specifications.
NOTE: Replacement washers can be found on page 814



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## Double Female Swivels

### Pin Lug

| Female NPSH Thread | Female NPSH Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | DFP1515 |
| 2-1/2" | 2-1/2" | DFP2525 |

| Female NST (NH) Thread | Female NST (NH) Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | DFP1515F |
| 2-1/2" | 2-1/2" | DFP2525F |



| Female NST (NH) Thread | Female NPSH Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | DFP15F15S |
| 2-1/2" | 2-1/2" | DFP25F25S |

| Female NYFD Thread | Female NYFD Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | DFP15NYFD15NYFD |
| 2-1/2" | 2-1/2" | DFP25NYFD25NYFD |

### Rocker Lug

| Female NPSH Thread | Female NPSH Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | DFR1515 |
| 2-1/2" | 2-1/2" | DFR2525 |



| Female NST (NH) Thread | Female NST (NH) Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | DFR1515F |
| 2-1/2" | 2-1/2" | DFR2525F |

## Domestic Double Female Swivels - Pin Lug



| Female NST (NH) Thread | Female NST (NH) Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | DFP1515F-D |
| 2-1/2" | 2-1/2" | DFP2525F-D |

NOTE: Replacement washers can be found on page 814

## Swivel Female x Rigid Female Adapters - Rocker Lug
## Style N53




| Female NPSH Swivel Thread | Female Rigid NPT Thread | Aluminum Extrusion - Anodized Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | N53-15S15T |
| 2" | 2" | N53-20S20T |
| 3" | 3" | N53-30S30T |
| 6" | 6" | N53-60S60T |




| Female NPSH Swivel Thread | Female Rigid NPSH Thread | Aluminum Extrusion - Anodized Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | N53-15S15S |




| Female NST (NH) Swivel Thread | Female Rigid NPT Thread | Aluminum Extrusion - Anodized Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | N53-15F15T |
| 2-1/2" | 2" | N53-25F20T |
| | 2-1/2" | N53-25F25T |
| | 3" | N53-25F30T |
| | 4" | N53-25F40T |
| 4" | 4" | N53-40F40T |
| 4-1/2" | 4" | N53-45F40T |
| | 6" | N53-45F60T |
| 5" | 6" | N53-50F60T |
| 6" | 6" | N53-60F60T |




| Female NST (NH) Swivel Thread | Female Rigid NST Thread | Aluminum Extrusion - Anodized Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | N53-15F15F |
| 2-1/2" | 1-1/2" | N53-25F15F |
| | 2-1/2" | N53-25F25F |
| | 6" | N53-25F60F |
| 4" | 4" | N53-40F40F |
| 6" | 4-1/2" | N53-60F45F |

NOTE: All adapters are made to approved Dixon® specifications.



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## Double Swivel Female Adapters - Rocker Lug
## Style N35

| Female NPSH Swivel Thread | Female NPSH Swivel Thread | Aluminum Extrusion - Anodized Part # |
|---|---|---|
| 1" | 1" | N35-10S10S |
| 1-1/2" | 1-1/2" | N35-15S15S |
| 2-1/2" | 2-1/2" | N35-25S25S |
| 3" | 3" | N35-30S30S |




| Female NST (NH) Swivel Thread | Female NST (NH) Swivel Thread | Aluminum Extrusion - Anodized Part # |
|---|---|---|
| 1" | 1" | N35-10F10F |
| 1-1/2" | 1-1/2" | N35-15F15F |
| | 2-1/2" | N35-15F25F |
| 2-1/2" | 2-1/2" | N35-25F25F |
| 4" | 4" | N35-40F40F |
| 4-1/2" | 4-1/2" | N35-45F45F |
| 5" | 5" | N35-50F50F |
| 6" | 6" | N35-60F60F |




| Female NPSH Swivel Thread | Female NST Swivel Thread | Aluminum Extrusion - Anodized Part # |
|---|---|---|
| 1" | 1" | N35-10S10F |
| | 1-1/2" | N35-10S15F |
| 1-1/2" | 1-1/2" | N35-15S15F |
| 2" | 2-1/2" | N35-20S25F |
| 2-1/2" | 2-1/2" | N35-25S25F |




N

## Double Female Swivel Adapters - Long Handle
## Style N57

| Female NST (NH) Thread | Male NST (NH) Thread | Aluminum Extrusion - Anodized Part # |
|---|---|---|
| 4-1/2" | 6" | N57-45F60F |
| 5" | 5" | N57-50F50F |
| | 6" | N57-50F60F |
| 6" | 6" | N57-60F60F |



NOTE: All adapters are made to approved Dixon® specifications.

## Hydrant Adapters - Pin Lug

**Feature**

- Other configurations are also available, consult Dixon® for information



reducer



same size



increaser

| Female Thread | Male Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" NPSH | 3/4" GHT | HA15S76 |
| | 3/4" NPSH | HA15S75 |
| | 3/4" NPT | HA15S75T |
| | 1" NPSH | HA15S10S |
| | 1" NPT | HA15S10T |
| | 1-1/2" NPT | HA15S15T |
| | 1-1/2" NST (NH) | HA15S15F |
| 1-1/2" NPT | 1-1/2" NPSH | HA15T15S |
| | 1-1/2" NST (NH) | HA15T15F |
| 1-1/2" NST (NH) | 3/4" GHT | HA1576 |
| | 3/4" NPSH | HA1575 |
| | 3/4" NPT | HA1575T |
| | 1" NPSH | HA1510 |
| | 1" NST (NH) | HA1510F |
| | 1" NPT | HA1510T |
| | 1-1/2" NPSH | HA1515 |
| | 1-1/2" NPT | HA1515T |
| | 1-1/2" NST (NH) | HA1515F |
| | 2-1/2" NST (NH) | HA1525F |
| 2" NPSH | 1-1/2" NPSH | HA20S15S |
| | 1-1/2" NPT | HA20S15T |
| | 1-1/2" NST (NH) | HA20S15F |
| | 2-1/2" NST (NH) | HA20S25F |
| 2" NPT | 2-1/2" NST (NH) | HA20T25F |
| 2" NST (NH) | 2-1/2" NST (NH) | HA2025F |
| 2-1/2" NPSH | 1" NPT | HA25S10T |
| | 1-1/2" NPSH | HA25S15S |
| | 1-1/2" NPT | HA25S15T |
| | 1-1/2" NST (NH) | HA25S15F |
| | 2-1/2" NST (NH) | HA25S25F |
| 2-1/2" NST (NH) | 3/4" GHT | HA2576 |
| | 3/4" NPT | HA2575T |
| | 1" NPSH | HA2510 |
| | 1" NST (NH) | HA2510F |
| | 1" NPT | HA2510T |
| | 1-1/2" NPSH | HA2515 |
| | 1-1/2" NST (NH) | HA2515F |
| | 1-1/2" NPT | HA2515T |
| | 2" NPSH | HA2520 |
| | 2" NST (NH) | HA2520F |
| | 2" NPT | HA2520T |
| | 2-1/2" NPSH | HA2525 |
| | 2-1/2" NST (NH) | HA2525F |
| | 2-1/2" NPT | HA2525T |
| | 3" NPSH | HA2530 |
| | 3" NST (NH) | HA2530F |
| | 3" NPT | HA2530T |
| 3" NPSH | 2-1/2" NST (NH) | HA30S25F |
| | 2-1/2" NPT | HA30S25T |
| 3" NST (NH) | 1-1/2" NPSH | HA3015S |
| | 1-1/2" NST (NH) | HA3015F |
| | 2-1/2" NST (NH) | HA3025F |
| 4" NST (NH) | 2-1/2" NST (NH) | HA4025F |
| 4-1/2" NST (NH) | 2-1/2" NST (NH) | HA4525F |

NOTE: All adapters are made to approved Dixon specifications.

## Hydrant Adapters - Rocker Lug

**Feature**

- Other configurations are also available, consult Dixon® for information
- Finishes: -C polished chrome plated

| Female Thread | Male Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" NST (NH) | 3/4" NST (NH) | RHA1576 |
| | 1" NST (NH) | RHA1510 |
| | 1" NST (NH) | RHA1510F |
| | 1" NPT | RHA1510T |
| | 1-1/2" NPSH | RHA1515 |
| | 1-1/2" NST (NH) | RHA1515F |
| | 1-1/2" NPT | RHA1515T |
| | 2" NPSH | RHA1520 |
| | 2-1/2" NST (NH) | RHA1525F |
| 1-1/2" NPSH | 3/4" NPT | RHA15S75T |
| | 1" NPSH | RHA15S10 |
| | 1" NPT | RHA15S10T |
| | 1-1/2" NST (NH) | RHA15S15F |
| | 1-1/2" NPT | RHA15S15T |
| 1-1/2" NPT | 1-1/2" NST (NH) | RHA15T15F |
| 2" NST (NH) | 2-1/2" NST (NH) | RHA2025F |
| 2-1/2" NST (NH) | 3/4" GHT | RHA2576 |
| | 1" NPSH | RHA2510 |
| | 1" NST (NH) | RHA2510F |
| | 1" NPT | RHA2510T |
| | 1-1/2" NPSH | RHA2515 |
| | 1-1/2" NST (NH) | RHA2515F |
| | 1-1/2" NPT | RHA2515T |
| | 2" NST (NH) | RHA2520F |
| | 2" NPT | RHA2520T |
| | 2-1/2" NPT | RHA2525T |
| | 3" NPT | RHA2530T |
| 2-1/2" NPSH | 1-1/2" NPSH | RHA25S15 |
| | 1-1/2" NST (NH) | RHA25S15F |
| 2-1/2" NPT | 2-1/2" NST (NH) | RHA25T25F |
| 3" NST (NH) | 2-1/2" NST (NH) | RHA3025F |



reducer



reducer - chrome plated



same size

N

## Female x Male Adapters - Long Handle Style N56

| Female NST (NH) Thread | Male NST (NH) Thread | Aluminum Extrusion - Anodized Part # |
|---|---|---|
| 4" | 2-1/2" | N56-40F25F |
| 4-1/2" | 4" | N56-45F40F |
| 5" | 2-1/2" | N56-50F25F |
| 6" | 4-1/2" | N56-60F45F |
| | 6" | N56-60F60T[1] |



[1] Female NST (NH) x male NPT

NOTE: All adapters are made to approved Dixon specifications

## Hydrant Adapters - Pin Lugs (New York Threads)



reducer



same size



increaser

**Feature**
- Other configurations are also available, consult Dixon® for information

**Specifications**
- NYFD thread = 3.031 x 8 TPI
- NYC thread = 3.00 x 8 TPI

| Female NYFD Thread | Male Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 3/4" GHT | HA15NYFD76 |
| 2-1/2" | 3/4" NPT | HA25NYFD75T |
| | 3/4" GHT | HA25NYFD76 |
| | 1-1/2" NPSH | HA25NYFD15S |
| | 1-1/2" NST (NH) | HA25NYFD15F |
| | 1-1/2" NPT | HA25NYFD15T |
| | 1-1/2" NYFD | HA25NYFD15NYFD |
| | 2" NPT | HA25NYFD20T |
| | 2-1/2" NST (NH) | HA25NYFD25F |

| Female NYC Thread | Male Thread | Cast Brass Part # |
|---|---|---|
| 2-1/2" | 3/4" GHT | HA25NYC76 |
| | 1" NPT | HA25NYC10T |
| | 1-1/2" NPT | HA25NYC15T |
| | 2" NPT | HA25NYC20T |



## Hazmat Adapters - Pin Lugs

**Feature**
- Divides single stream into double stream

| Female NST Thread | Male Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" | (2) 3/4" GHT | HHA1576 |
| 2-1/2" | | HHA2576 |

## Domestic Hydrant Adapters - Pin Lug



**Feature**
- Other configurations are available, consult Dixon for information

| Female NST (NH)Thread | Male Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 3/4" GHT | HA1576-D |
| 2-1/2" | 1" NPT | HA2510T-D |
| | 1/12" NST (NH) | HA2515F-D |
| | 1-1/2" NPT | HA2515T-D |
| | 3/4" GHT | HA2576-D |

NOTE: All adapters are made to approved Dixon specifications.



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## Hydrant Adapters - Rocker Lug

**Application**
- Use with water

**Specification**
- Maximum working pressure: **100 PSI** at **70°F (21°C)**

| Female Thread | Male Thread | Polycarbonate Part # |
|---|---|---|
| 1-1/2" NPSH | 1-1/2" NST (NH) | POLYHA15S15F |
| 2-1/2" NST (NH) | 3/4" GHT | POLYHA2576 |
| | 1-1/2" NPSH | POLYHA2515 |
| | 1-1/2" NST (NH) | POLYHA2515F |
| | 2" NPT | POLYHA2520T |



## Domestic Female to Male Hex Nipples

**Feature**
- Other configurations are available, consult Dixon® for information

| Female Thread | Male Thread | Cast Brass Part # |
|---|---|---|
| 1" NPT | 1-1/2" NST (NH) | FM1015F-D |
| 1-1/2" NPT | 1-1/2" NST (NH) | FM1515F-D |
| | 2-1/2" NST (NH) | FM1525F-D |
| 1-1/2" NST (NH) | 1-1/2" NPSH | FM15F15S-D |
| | 1-1/2" NPT | FM15F15T-D |
| | 2-1/2" NST (NH) | FM15F25F-D |
| 1-1/2" NPSH | 1-1/2" NST (NH) | FM15S15F-D |
| | 1-1/2" NPT | FM15S15T-D |
| 2" NPT | 1-1/2" NST (NH) | FM2015F-D |
| 2-1/2" NPT | 2-1/2" NST (NH) | FM2525F-D |
| 2-1/2" NST (NH) | 1-1/2" NST (NH) | FM25F15F-D |
| | 1-1/2" NPT | FM25F15T-D |
| | 2-1/2" NPT | FM25F25T-D |



reducer



same size



increaser

N

NOTE: All adapters are made to approved Dixon® specifications.

## Single Male Outlet with Hex (open snoot)



polished



polished chrome plated

**Application**

- Used to connect fire hose to a standpipe or sprinkler system

**Features**

- Other sizes, threads, and configurations are available, consult Dixon® for information
- Finishes: -P polished, -C polished chrome plated

| Female NPT Thread | Male Thread | Cast Brass Part # |
|---|---|---|
| 2-1/2" | 2-1/2" NST (NH) | MOC250F-P |
| | | MOC250F-C |
| 3" | 2-1/2" NST (NH) | MOC3025F-P |
| | | MOC3025F-C |
| | 3" NST (NH) | MOC300F-P |

| Female NPT Thread | Male Thread | Cast Brass Part # |
|---|---|---|
| 2-1/2" | 2-1/2" NYC | MOC250NYC-P |
| | 2-1/2" NYFD | MOC250NYFD-P |

## Female to Male Hex Nipples



reducer



same size



increaser

**Feature**

- Other configurations are also available, consult Dixon for information

| Female Thread | Male Thread | Cast Brass Part # |
|---|---|---|
| 3/4 GHT | 1" NPT | FM7610T |
| 1" NPSH | 3/4" GHT | FM10S76 |
| 1" NPT | 3/4" GHT | FM1076 |
| | 1" NPSH | FM1010 |
| | 1" NST (NH) | FM1010F |
| | 1-1/2" NPSH | FM1015 |
| | 1-1/2" NST (NH) | FM1015F |
| 1" NST (NH) | 1" NPT | FM10F10T |
| 1-1/2" NPT | 1-1/2" NPSH | FM1515 |
| | 1-1/2" NST (NH) | FM1515F |
| | 2-1/2" NST (NH) | FM1525F |
| 1-1/2" NST (NH) | 1-1/2" NPSH | FM15F15S |
| | 1-1/2" NPT | FM15F15T |
| | 2" NPT | FM15F20T |
| | 2-1/2" NPT | FM15F25T |
| | 2-1/2" NST (NH) | FM15F25F |
| | 1-1/2" NST (NH) | FM15F15F |
| 1-1/2" NPSH | 1-1/2" NST (NH) | FM15S15F |
| | 1-1/2" NPT | FM15S15T |
| | 2" NPT | FM15S20T |
| 2" NPSH | 1-1/2" NPSH | FM20S15 |
| | 1-1/2" NST (NH) | FM20S15F |
| | 1-1/2" NPT | FM20S15T |
| | 2" NPT | FM20S20T |
| | 2-1/2" NST (NH) | FM20S25F |
| 2" NPT | 1-1/2" NPSH | FM2015 |
| | 1-1/2" NST (NH) | FM2015F |
| | 2" NPSH | FM2020 |
| | 2-1/2" NST (NH) | FM2025F |
| 2-1/2" NST (NH) | 3/4" NPT | FM25F75T |
| | 1" NPT | FM25F10T |
| | 1-1/2" NST (NH) | FM25F15F |
| | 1-1/2" NPT | FM25F15T |
| | 2" NPT | FM25F20T |
| 2-1/2" NPT | 1-1/2" NST (NH) | FM2515F |
| | 2-1/2" NPSH | FM2525 |
| | 2-1/2" NST (NH) | FM2525F |

Table continued on next page

NOTE: All adapters are made to approved Dixon specifications



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## Female to Male Hex Nipples

Table continued from previous page

| Female Thread | Male Thread | Cast Brass Part # |
|---|---|---|
| 2-1/2" NST (NH) | 2-1/2" NST (NH) | FM25F25F |
| | 2-1/2" NPT | FM25F25T |
| | 3" NST (NH) | FM25F30F |
| | 3" NPT | FM25F30T |
| | 2-1/2" NPSH | FM25F25S |
| 2-1/2" NPT | 2-1/2" NPT | FM2525T |
| 2-1/2" NPSH | 2-1/2" NST (NH) | FM25S25F |
| | 2-1/2" NPT | FM25S25T |
| 3" NPT | 2-1/2" NST (NH) | FM3025F |
| | 2-1/2" NPT | FM3025T |
| | 3" NST (NH) | FM3030F |
| 3" NST (NH) | 2-1/2" NST (NH) | FM30F25F |
| | 2-1/2" NPT | FM30F25T |
| | 3" NPT | FM30F30T |
| 3" NPSH | 2-1/2" NST (NH) | FM30S25F |
| 4" NPT | 2-1/2" NST (NH) | FM4025F |
| | 4" NST (NH) | FM4040F |
| | 4-1/2" NST (NH) | FM4045F |
| 4" NST (NH) | 4" NPT | FM40F40T |
| 4-1/2" NST (NH) | 4" NPT | FM45F40T |
| 6" NPT | 6" NST (NH) | FM6060F |
| 6" NST (NH) | 6" NPT | FM60F60T |



reducer



same size



increaser

## Female to Male Hex Nipples (New York Threads)

**Feature**

- Other configurations are available, consult Dixon® for information

**Specifications**

- NYFD thread = 3.031 x 8 TPI
- NYC thread = 3.00 x 8 TPI

| Female Thread | Male Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" NPT | 1-1/2" NYFD | FM1515NYFD |
| 1-1/2" NST (NH) | 1-1/2" NYFD | FM15F15NYFD |
| 1-1/2" NYFD | 1-1/2" NST (NH) | FM15NYFD15F |
| | 1-1/2" NPT | FM15NYFD15T |

| Female Thread | Male Thread | Cast Brass Part # |
|---|---|---|
| 2-1/2" NPT | 2-1/2" NYC | FM2525NYC |
| | 2-1/2" NYFD | FM2525NYFD |
| 2-1/2" NST (NH) | 2-1/2" NYC | FM25F25NYC |
| | 2-1/2" NYFD | FM25F25NYFD |
| 2-1/2" NYC | 2-1/2" NST (NH) | FM25NYC25F |
| | 2-1/2" NPT | FM25NYC25T |
| 2-1/2" NYFD | 2-1/2" NST (NH) | FM25NYFD25F |
| | 2-1/2" NPT | FM25NYFD25T |

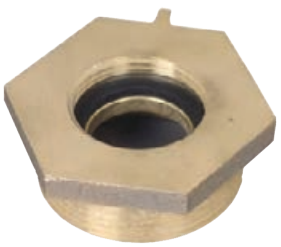
| Female NYFD Thread | Male Thread | Cast Brass Part # |
|---|---|---|
| 2-1/2" | 1-1/2" NPT | FM25NYFD15T |
| | 2" NPT | FM25NYFD20T |
| | 3" NPT | FM25NYFD30T |



reducer



same size



increaser

NOTE: All adapters are made to approved Dixon specifications.



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## Female x Male Adapters - Rocker Lug
## Style N37



reducer



same size



increaser

| Female Thread | Male Thread | Aluminum Extrusion - Anodized Part # |
|---|---|---|
| 3/4" GHT | 1" NST (NH) | N37-07G10F |
| | 1" NPSH | N37-07G10S |
| | 1" NPT | N37-07G10T |
| | 1-1/2" NST (NH) | N37-07G15F |
| | 1-1/2" NPSH | N37-07G15S |
| 1" NST | 3/4" GHT | N37-10F07G |
| | 1" NPSH | N37-10F10S |
| | 1" NPT | N37-10F10T |
| | 1-1/2" NST (NH) | N37-10F15F |
| | 1-1/2" NPSH | N37-10F15S |
| | 2-1/2" NST (NH) | N37-10F25F |
| 1" NPSH | 3/4" GHT | N37-10S07G |
| | 3/4" NPSH | N37-10S07S |
| | 1" NST (NH) | N37-10S10F |
| | 1" NPT | N37-10S10T |
| | 1-1/2" NST (NH) | N37-10S15F |
| | 1-1/2" NPSH | N37-10S15S |
| 1" NPT | 1" NST | N37-10T10F |
| 1-1/2" NST (NH) | 3/4" GHT | N37-15F07G |
| | 3/4" NPT | N37-15F07T |
| | 1" NST (NH) | N37-15F10F |
| | 1" NPSH | N37-15F10S |
| | 1" NPT | N37-15F10T |
| | 1-1/2" NST (NH) | N37-15F15F |
| | 1-1/2" NPSH | N37-15F15S |
| | 1-1/2" NPT | N37-15F15T |
| | 2" NPT | N37-15F20T |
| | 2-1/2" NST (NH) | N37-15F25F |
| 1-1/2" NPSH | 3/4" GHT | N37-15S07G |
| | 1" NST (NH) | N37-15S10F |
| | 1-1/2" NST (NH) | N37-15S15F |
| | 1-1/2" NPT | N37-15S15T |
| | 2" NPT | N37-15S20T |
| 1-1/2" NPT | 1-1/2" NST (NH) | N37-15T15F |
| | 1-1/2" NPSH | N37-15T15S |
| | 2-1/2" NST (NH) | N37-15T25F |
| 2" NPSH | 3/4" GHT | N37-20S07G |
| | 1-1/2" NST (NH) | N37-20S15F |
| | 1-1/2" NPSH | N37-20S15S |
| | 2" NPT | N37-20S20T |
| | 2-1/2" NST (NH) | N37-20S25F |
| 2" NPT | 1-1/2" NST (NH) | N37-20T15F |
| | 1-1/2" NPSH | N37-20T15S |
| | 2-1/2"NST (NH) | N37-20T25F |

Table continued on next page

NOTE: All adapters are made to approved Dixon® specifications.



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## Female x Male Adapters - Rocker Lug (continued)
## Style N37

Table continued from previous page

| Female Thread | Male Thread | Aluminum Extrusion - Anodized Part # |
|---|---|---|
| 2-1/2" NST (NH) | 3/4" GHT | N37-25F07G |
| | 3/4" NPT | N37-25F07T |
| | 1" NPT | N37-25F10T |
| | 1-1/2" NST (NH) | N37-25F15F |
| | 1-1/2" NPSH | N37-25F15S |
| | 1-1/2" NPT | N37-25F15T |
| | 2" NPT | N37-25F20T |
| | 2-1/2" NST (NH) | N37-25F25F |
| | 2-1/2" NPSH | N37-25F25S |
| | 2-1/2" NPT | N37-25F25T |
| | 3" NST (NH) | N37-25F30F |
| | 3" NPT | N37-25F30T |
| 2-1/2" NPSH | 1-1/2" NPSH | N37-25S15S |
| | 2-1/2" NST (NH) | N37-25S25F |
| | 2-1/2" NPT | N37-25S25T |
| 2-1/2" NPT | 1-1/2" NPSH | N37-25T15S |
| | 2-1/2" NST (NH) | N37-25T25F |
| | 3" NPT | N37-25T30T |
| 3" NST (NH) | 1-1/2" NST (NH) | N37-30F15F |
| | 2-1/2" NST (NH) | N37-30F25F |
| | 3" NPT | N37-30F30T |
| | 2-1/2" NST (NH) | N37-30S25F |
| 3" NPT | 2-1/2" NST (NH) | N37-30T25F |
| | 2-1/2" NPT | N37-30T25T |
| 4" NST (NH) | 2-1/2" NST (NH) | N37-40F25F |
| | 4" NST (NH) | N37-40F40F |
| | 4" NPT | N37-40F40T |
| | 6" NST (NH) | N37-40F60F |
| 4" NPT | 2-1/2" NST (NH) | N37-40T25F |
| | 4" NST (NH) | N37-40T40F |
| | 4-1/2" NST (NH) | N37-40T45F |
| 4-1/2" NST (NH) | 2-1/2" NST (NH) | N37-45F25F |
| | 4" NST (NH) | N37-45F40F |
| | 4" NPT | N37-45F40T |
| | 5" NST (NH) | N37-45F50F |
| 5" NST (NH) | 4-1/2" NST (NH) | N37-50F45F |
| | 5" NPT | N37-50F50T |
| | 6" NST (NH) | N37-50F60F |
| 5" NPSH | 6" NST (NH) | N37-50S60F |
| 5" NPT | 5" NST (NH) | N37-50T50F |
| 6" NST (NH) | 4" NPT | N37-60F40T |
| | 5" NST (NH) | N37-60F50F |
| | 6" NPT | N37-60F60T |
| 6" NPT | 4" NST (NH) | N37-60T40F |
| | 6" NST (NH) | N37-60T60F |



reducer



same size


increaser

N

NOTE: All adapters are made to approved Dixon® specifications.

## Brass Female Swivel to Male Adapters



### Pin Lug

| Female NST (NH) Thread | Male NPT Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | SM150F |
| 2-1/2" | 1-1/2" | SM25F15T |
| | 2" | SM25F20T |
| | 2-1/2" | SM250F |
| | 3" | SM25F30T |
| 4" | 4" | SM400F |

| Female NPSH Thread | Male NPT Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | SM150S |
| 2" | 2" | SM200S |
| 2-1/2" | 2-1/2" | SM250S |

| Female Thread | Male NST (NH) Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" NPSH | 1-1/2" | SM15S15F |
| 2-1/2" NST (NH) | 3" | SM25F30F |

| Female Thread | Male NPT Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" NYFD | 1-1/2" | SM150NYFD |
| 2-1/2" NYFD | 2-1/2" | SM250NYFD |



### Rocker Lug

| Female Thread | Male NPT Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" NST (NH) | 1-1/2" | RSM150F |
| 1-1/2" NPSH | | RSM150S |
| 2-1/2" NST (NH) | 2" | RSM25F20T |
| | 2-1/2" | RSM250F |
| | 3" | RSM25F30T |

N

## Domestic Male Swivel Adapters - Pin Lug



| Female NST (NH) SwivelThread | Male NPT Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | SM150F-D |
| 2-1/2" | 2-1/2" | SM250F-D |
| | 2" | SM25F20T-D |
| | 3" | SM25F30T-D |

NOTE: All adapters are made to approved Dixon® specifications.
NOTE: Replacement washers can be found on page 814

## Male Rocker Lug - Suction with Poly Screen



**Feature**
- Suction intake with strainer screen

| Female NST (NH) Thread | Male NPT Thread | Cast Brass Part # |
|---|---|---|
| 2-1/2" | 2" | RSMSA25F20T |
| | 2-1/2" | RSMSA250F |
| | 3" | RSMSA25F30T |

## Male Rocker Lug - Suction with Zinc Screen



**Feature**
- Suction intake with zinc strainer screen - excellent to use before backflow preventers

| Female NST (NH) Thread | Male NPT Thread | Cast Brass Part # |
|---|---|---|
| 2-1/2" | 2" | RSMSA25F20T-Z |
| | 2-1/2" | RSMSA250F-Z |
| | 3" | RSMSA25F30T-Z |

## Male Rocker Lug - Suction with Poly Screen



**Feature**
- Suction intake with strainer screen

| Female NST (NH) Thread | Male NPT Thread | Aluminum Part # |
|---|---|---|
| 2-1/2" | 2" | ARSMSA25F20T |
| | 2-1/2" | ARSMSA250F |



NOTE: All adapters are made to approved Dixon® specifications.

## Female Swivel to Male Adapters - Rocker Lug
## Style N54




| Female Swivel Thread | Male Rigid Thread | Aluminum Extrusion - Anodized Part # |
|---|---|---|
| 1-1/2" NST (NH) | 1-1/2" NST (NH) | N54-15F15F |
| | 1-1/2" NPT | N54-15F15T |
| | 2-1/2" NST (NH) | N54-15F25F |
| 1-1/2" NPSH | 1-1/2" NPSH | N54-15S15S |
| | 1-1/2" NPT | N54-15S15T |
| 2-1/2" NST (NH) | 1-1/2" NST (NH) | N54-25F15F |
| | 1-1/2" NPT | N54-25F15T |
| | 2" NPT | N54-25F20T |
| | 2-1/2" NST (NH) | N54-25F25F |
| | 2-1/2" NPT | N54-25F25T |
| | 3" NPT | N54-25F30T |
| 2-1/2" NPSH | 2" NPT | N54-25S20T |
| 3" NPSH | 3" NPT | N54-30S30T |
| 4" NST (NH) | 4" NST (NH) | N54-40F40F |
| | 4" NPT | N54-40F40T |
| | 6" NST (NH) | N54-40F60F |
| 4-1/2" NST (NH) | 4" NPT | N54-45F40T |
| | 6" NPT | N54-45F60T |
| 6" NST (NH) | 6" NPT | N54-60F60T |

## Female Swivel to Male Adapters - Long Handle
## Style N54L





| Female NST Thread | Male Thread | Aluminum Extrusion - Anodized Part # |
|---|---|---|
| 2-1/2" | 2-1/2" NST (NH) | N54L-25F25F |
| 4" | 6" NST (NH) | N54L-40F60F |
| 4-1/2" | 4" NPT | N54L-45F40T |
| 6" | 4" NPT | N54L-60F40T |
| | 5" NST (NH) | N54L-60F50F |
| | 6" NPT | N54L-60F60T |

NOTE: All adapters are made to approved Dixon® specifications.

# Double Male Hex Nipples

**Feature**

- Other configurations are available, consult Dixon® for information

| Male Thread | Male Thread | Cast Brass Part # |
|---|---|---|
| 3/4" NPT | 1-1/2" NPSH | DMH7515 |
| | 1-1/2" NST (NH) | DMH7515F |
| 1" NPT | 3/4" GHT | DMH1076 |
| | 1" NPSH | DMH1010 |
| | 1" NST (NH) | DMH1010F |
| | 1-1/2" NPSH | DMH1015 |
| | 1-1/2" NST (NH) | DMH1015F |
| | 2-1/2" NST (NH) | DMH1025F |
| 1-1/2" NPSH | 1-1/2" NPSH | DMH15S15S |
| 1-1/2" NPT | 1" NPSH | DMH1510 |
| | 1" NST (NH) | DMH1510F |
| | 1-1/2" NPSH | DMH1515 |
| | 1-1/2" NPT | DMH1515T |
| | 1-1/2" NST (NH) | DMH1515F |
| | 2" NPSH | DMH1520 |
| | 2-1/2" NST (NH) | DMH1525F |
| 1-1/2" NST (NH) | 1-1/2" NPSH | DMH15F15S |
| | 1-1/2" NST (NH) | DMH15F15F |
| | 2-1/2" NST (NH) | DMH15F25F |
| 2" NPT | 1-1/2" NPSH | DMH2015 |
| | 1-1/2" NST (NH) | DMH2015F |
| | 2" NPSH | DMH2020 |
| | 2-1/2" NPSH | DMH2025 |
| | 2" NPT | DMH2020T |
| | 2-1/2" NST (NH) | DMH2025F |
| 2-1/2" NPT | 1-1/2" NPSH | DMH2515 |
| | 1-1/2" NST (NH) | DMH2515F |
| | 2" NPSH | DMH2520 |
| | 2-1/2" NPSH | DMH2525 |
| | 2-1/2" NST (NH) | DMH2525F |
| | 2-1/2" NPT | DMH2525T |
| | 3" NPSH | DMH2530 |
| | 3" NPT | DMH2530T |
| | 3" NST (NH) | DMH2530F |
| 2-1/2" NST (NH) | 2-1/2" NST (NH) | DMH25F25F |
| | 3" NST (NH) | DMH25F30F |
| 3" NPT | 2-1/2" NPSH | DMH3025 |
| | 2-1/2" NST (NH) | DMH3025F |
| | 3" NPSH | DMH3030 |
| | 3" NST (NH) | DMH3030F |
| | 3" NPT | DMH3030T |
| 4" NPT | 4" NPSH | DMH4040 |
| 4" NST (NH) | 4" NST | DMH40F40F |
| 4" NPT | 4" NST (NH) | DMH4040F |
| | 4-1/2" NST (NH) | DMH4045F |
| | 4" NPT | DMH4040T |
| 5" NPT | 5" NST (NH) | DMH5050F |
| 6" NPT | 4-1/2" NST (NH) | DMH6045F |
| | 6" NST (NH) | DMH6060F |
| | 6" NPSH | DMH6060 |
| | 6" NPT | DMH6060T |



reducer



same size



increaser

N

# Double Male Hex Adapters (NYFD Threads)



reducer



same size



increaser

**Feature**

- Other configurations are available, consult Dixon® for information

| Male Thread | Male NYFD Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" NPT | 1-1/2" | DMH1515NYFD |
| 1-1/2" NST (NH) | | DMH15F15NYFD |
| 1-1/2" NPT | 2-1/2" | DMH1525NYFD |
| 2" NPT | | DMH2025NYFD |
| 2-1/2" NPT | 1-1/2" | DMH2515NYFD |
| | 2-1/2" | DMH2525NYFD |

| Male NST (NH) Thread | Male NYFD Thread | Cast Brass Part # |
|---|---|---|
| 2-1/2" | 2-1/2" | DMH25F25NYFD |

| Male NYFD Thread | Male NYFD Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | DMH15NYFD15NYFD |
| 2-1/2" | 2-1/2" | DMH25NYFD25NYFD |

NOTE: NYFD thread: 3.031 x 8 TPI



NOTE: All adapters are made to approved Dixon specifications

## Domestic Double Male Hex Adapters

**Feature**
- Other configurations are available, consult Dixon® for information

| Male Thread | Male Thread | Cast Brass Part # |
|---|---|---|
| 1" NPT | 1" NST (NH) | DMH1010F-D |
| | 1-1/2" NST (NH) | DMH1015F-D |
| 1-1/2" NPT | 1-1/2" NPSH | DMH1515-D |
| | 1-1/2" NST (NH) | DMH1515F-D |
| | 2-1/2" NST (NH) | DMH1525F-D |
| 1-1/2" NST (NH) | 1-1/2" NST (NH) | DMH15F15F-D |
| | 1-1/2" NPSH | DMH15F15S-D |
| | 2-1/2" NST (NH) | DMH15F25F-D |
| 2" NPT | 1-1/2" NST (NH) | DMH2015F-D |
| | 2" NPSH | DMH2020-D |
| | 2-1/2" NST (NH) | DMH2025F-D |
| 2-1/2" NPT | 1-1/2" NST (NH) | DMH2515F-D |
| | 2-1/2" NST (NH) | DMH2525F-D |
| 2-1/2" NST (NH) | 2-1/2" NST (NH) | DMH25F25F-D |
| 3" NPT | 2-1/2" NST (NH) | DMH3025F-D |
| | 3" NST (NH) | DMH3030F-D |
| 4" NPT | 4-1/2" NST (NH) | DMH4045F-D |
| 6" NPT | 6" NST (NH) | DMH6060F-D |



reducer



same size



increaser

## Double Male Adapters

**Feature**
- Other configurations are available, consult Dixon for information

### Pin Lug

| Male Thread | Male Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" NST (NH) | 1-1/2" NST (NH) | DMP1515F |
| | 1-1/2" NPT | DMP15F15T |
| 1-1/2" NPSH | 1-1/2" NPSH | DMP1515 |
| | 1-1/2" NPT | DMP15S15T |
| 1-1/2" NST (NH) | 1-1/2" NPSH | DMP15F15S |
| 2-1/2" NST (NH) | 2-1/2" NST (NH) | DMP2525F |
| | 2-1/2" NPSH | DMP25F25S |
| | 2-1/2" NPT | DMP25F25T |
| 2-1/2" NPSH | 2-1/2" NPSH | DMP2525 |



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### Rocker Lug

| Male Thread | Male Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" NST (NH) | 1-1/2" NST (NH) | DMR1515F |
| | 1-1/2" NPT | DMR15F15T |
| | 1-1/2" NPSH | DMR15F15S |
| 1-1/2" NPSH | 1-1/2" NPSH | DMR1515 |
| | 1-1/2" NPT | DMR15S15T |
| 2-1/2" NST (NH) | 2-1/2" NST (NH) | DMR2525F |
| 2-1/2" NPSH | 2-1/2" NPSH | DMR2525 |



NOTE: All adapters are made to approved Dixon specifications.

## Double Male Adapters - Rocker Lug
## Style N36



same size

| Male NST (NH)Thread | Male Thread | Aluminum Extrusion - Anodized Part # |
|---|---|---|
| 1" | 1" NST (NH) | N36-10F10F |
| 1-1/2" | 1-1/2" NST (NH) | N36-15F15F |
| | 2" NPT | N36-15F20T |
| | 2-1/2" NST (NH) | N36-15F25F |
| 2-1/2" | 2-1/2" NST (NH) | N36-25F25F |
| | 3" NST (NH) | N36-25F30F |
| | 3" NPT | N36-25F30T |
| | 4" NST (NH) | N36-25F40F |
| | 4" NPT | N36-25F40T |
| | 4-1/2" NST (NH) | N36-25F45F |
| 3" | 3" NST (NH) | N36-30F30F |
| 4" | 4" NST (NH) | N36-40F40F |
| 4-1/2" | 4-1/2" NST (NH) | N36-45F45F |
| 6" | 6" NST (NH) | N36-60F60F |



increaser

| Male NPT Thread | Male Thread | Aluminum Extrusion - Anodized Part # |
|---|---|---|
| 1-1/2" | 1-1/2" NST (NH) | N36-15T15F |
| | 2-1/2" NST (NH) | N36-15T25F |
| 2" | 2" NPT | N36-20T20T |
| | 2-1/2" NST (NH) | N36-20T25F |
| 2-1/2" | 2-1/2" NST (NH) | N36-25T25F |
| | 3" NPT | N36-25T30T |
| | 4" NPT | N36-25T40T |
| 3" | 3" NST (NH) | N36-30T30F |
| 4" | 4" NST (NH) | N36-40T40F |
| | 4-1/2" NST (NH) | N36-40T45F |
| 5" | 6" NPT | N36-50T60T |
| 6" | 6" NST (NH) | N36-60T60F |

| Male NPSH Thread | Male Thread | Aluminum Extrusion - Anodized Part # |
|---|---|---|
| 1" | 1" NPSH | N36-10S10S |
| 1-1/2" | 1-1/2" NST (NH) | N36-15S15F |
| | 1-1/2" NPSH | N36-15S15S |
| | 1-1/2" NPT | N36-15S15T |
| | 2" NPSH | N36-15S20S |
| 2-1/2" | 2-1/2" NST (NH) | N36-25S25F |
| | 2-1/2" NPSH | N36-25S25S |

## Cam and Groove Hydrant Adapters



**Features**

- Pin lugs allow for easy connection using standard spanner and hydrant wrenches on pages 828 - 831
- Supplied with a nitrile rubber washer in the threaded end

| Female NST (NH) Thread | Male Adapter | Brass Part # | Aluminum Part # |
|---|---|---|---|
| 1-1/2" | 1-1/2" | HA1515ADP | AHA1515ADP |
| 2-1/2" | 2-1/2" | HA2525ADP | AHA2525ADP |

### Replacement Washers



| I.D. | O.D. | Thickness | Nitrile Rubber Part # |
|---|---|---|---|
| 1-9/16" | 2-1/16" | 1/8" | SW150 |
| 2-9/16" | 3-3/16" | 3/16" | SW250 |



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# Cam and Groove x NST

**Features**
- For suction and low pressure discharge only
- Other sizes, configurations, and materials available, contact Dixon® for information

**Material**
- Powder coated aluminum adapter

## Type A x Female NST (NH)

| Adapter Size | Female NST (NH)Thread | Aluminum Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | G150-A-ALNST |
| 2-1/2" | 2-1/2" | G250-A-ALNST |
| 3" | | 3025-A-ALNST |



## Type B x Male NST (NH)

**Material**
- Nitrile rubber seals standard

| Coupler Size | Male NST (NH)Thread | Aluminum Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | G150-B-ALNST |
| 2" | | 2015-B-ALNST |
| 2-1/2" | 2-1/2" | G250-B-ALNST |
| 3" | | 3025-B-ALNST |



## Type D x Female NST (NH)

**Material**
- Nitrile rubber seals standard

| Coupler Size | Female NST (NH) Thread | Aluminum Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | G150-D-ALNST |
| 2" | 2-1/2" | 2025-D-ALNST |
| 2-1/2" | | G250-D-ALNST |
| 3" | | 3025-D-ALNST |



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## Adapter x Male NST (NH)

| Adapter Size | Male NST (NH) Thread | Aluminum Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | G150-F-ALNST |
| 2" | 2-1/2" | 2025-F-ALNST |
| 2-1/2" | | G250-F-ALNST |
| 3" | | 3025-F-ALNST |



# Brass Caps

## Pin Lug



**Feature**

- NOT intended for pressure applications - for debris and thread protection only
- Finishes: -P polished, -C polished chrome plated



| NST (NH) Thread | Cast Brass Part # |
|---|---|
| 1-1/2" | FC150F |
| | FC150F-P |
| | FC150F-C |
| 2" | FC200F |
| 2-1/2" | FC250F |
| | FC250F-P |
| | FC250F-C |
| 3" | FC300F |
| 4" | FC400F |
| 4-1/2" | FC450F |
| 6" | FC600F |



| NPSH Thread | Cast Brass Part # |
|---|---|
| 1-1/2" | FC150 |
| 2" | FC200 |
| 2-1/2" | FC250 |
| 3" | FC300 |
| 4" | FC400 |
| 6" | FC600 |

## Rocker Lug



**Feature**

- Finishes: -P polished, -C polished chrome plated



| NST (NH) Thread | Cast Brass Part # |
|---|---|
| 1" | RFC100F |
| 1-1/2" | RFC150F |
| 2-1/2" | RFC250F |
| | RFC250F-C |

| NPSH Thread | Cast Brass Part # |
|---|---|
| 3/4" | RFC075 |
| 1" | RFC100 |
| 1-1/2" | RFC150 |
| 2" | RFC200 |
| 2-1/2" | RFC250 |

# Brass Test Caps



**Specification**

- Pet cock port supplied with 1/8" NPT
- Drain cock port supplied with -1/4" NPT

| NST (NH) Thread | Brass Part # |
|---|---|



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## Aluminum Caps with Cable

### Rocker Lug

**Features**

- Other configurations are available; consult Dixon® for information, not all configurations are stocked
- Aircraft cable (coated) included

| Size | Thread | Extruded Hardcoated Aluminum Part # |
|---|---|---|
| 1" | NST (NH) | CAP100F-C |
| 1-1/2" | | CAP150F-C |
| 2" | | CAP200F-C |
| 2-1/2" | | CAP250F-C |
| 3" | | CAP300F-C |
| 4" | | CAP400F-C |
| 4-1/2" | | CAP450F-C |
| 5" | | CAP500F-C |
| 6" | | CAP600F-C |
| 1" | NPSH | CAP100S-C |
| 1-1/2" | | CAP150S-C |
| 2" | | CAP200S-C |
| 2-1/2" | | CAP250S-C |



### Long Handle

| NST (NH) Thread | Extruded Hardcoated Aluminum Part # |
|---|---|
| 4" | CAP400F-C-LH |
| 4-1/2" | CAP450F-C-LH |
| 5" | CAP500F-C-LH |
| 6" | CAP600F-C-LH |



## Aluminum Test Caps

**Specification**

- Supplied with 1/4" NPT drill and tap

| Size | Thread | Aluminum Part # |
|---|---|---|
| 1-1/2" | NST (NH) | CAP150FABS |
| 2" | | CAP200FABS |
| 2-1/2" | | CAP250FABS |
| 3" | | CAP300FABS |
| 4" | | CAP400FABS |
| 4-1/2" | | CAP450FABS |
| 5" | | CAP500FABS |
| 6" | | CAP600FABS |
| 1-1/2" | NPSH | CAP150SABS |
| 2" | | CAP200SABS |
| 2-1/2" | | CAP250SABS |
| 3" | | CAP300SABS |
| 4" | | CAP400SABS |
| 4-1/2" | | CAP450SABS |
| 5" | | CAP500SABS |



# Thermoplastic Caps

## Caps with Chain



**Application**
- Prevents entry of foreign material and protects male outlet threads on valves and hydrants

**Feature**
- NOT intended to be pressurized ⚠

| Size | Thread | Polycarbonate Part # |
|---|---|---|
| 1-1/2" | NPSH | PFCW150 |
| | NST (NH) | PFCW150F |
| 2" | NPSH | PFCW200 |
| 2-1/2" | NST (NH) | PFCW250F |
| 3" | NST | PFCW300F |

## Pressurizable Cap with Chains



**Specification**
- Can be pressurized to **300 PSI**

| Size | Thread | Polycarbonate Part # |
|---|---|---|
| 2-1/2" | NST (NH) Thread | PFC250F |

## Hydrant Caps



**Size**
- 1-1/8" pentagonal nut with weep hole

**Feature**
- Gasket not included

| NST (NH) Thread | Polycarbonate Part # |
|---|---|
| 2-1/2" | PFCW250F-Y |
| 4" | PFCW400F-Y |
| 4-1/2" | PFCW450F-Y |

N

## Universal Hose Cap



**Application**
- Universal push on - pull off cap protects all threads by gripping the valve or outlet on the inside of the waterway

**Feature**
- NOT intended to be pressurized ⚠

| Size | Polycarbonate Part # |
|---|---|
| 2-1/2" | PFC250U |

# Breakable Caps

## Polycarbonate

**Application**
- Prevents entry of foreign material and protects female threads on pin lug fire department inlet connections

**Feature**
- Used on pin lug females

| Size | Polycarbonate Part # |
|---|---|
| 2-1/2" | PBC250 |

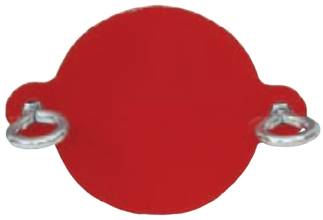


## Aluminum

**Applications**
- For use on fire department inlet connections
- Prevents entry of foreign matter and protects female threads

**Features**
- Breakable ears feature permits fast hose connection
- Two eyebolts with nuts for attachment to female pin lug swivel
- Painted red finish

| Size | Aluminum Part # |
|---|---|
| 2-1/2" | ABC250 |



# Specialty Caps

## Domestic Caps - Pin Lug

**Feature**
- Other sizes, threads, and finishes available, call Dixon® for information

| Size | Thread | Brass Part # |
|---|---|---|
| 1-1/2" | NST (NH) | FC150F-D |
| 2-1/2" | | FC250F-D |



NOTE: Jack chains with S-hooks can be found on page 73

## Hydrant Caps

**Features**
- Pentagon fire hydrant cap
- Supplied with chain and ring

| Size | Thread | Iron Part # |
|---|---|---|
| 2-1/2" | NST (NH) | IHC250F |
| 4-1/2" | | IHC450F |



IHC250F



IHC450F

NOTE: Jack chains with S-hooks can be found on page 73

## Specialty Caps

### Plugs with Cable - Rocker Lug



**Feature**
- -NC: no cable option available

| Size | Extruded Hardcoated Aluminum | |
|---|---|---|
| | NST (NH) Part # | NPSH Part # |
| 1-1/2" | PLUG150F-C | PLUG150S-C |
| 2-1/2" | PLUG250F-C | PLUG250S-C |
| 3" | PLUG300F-C | PLUG300S-C |
| 4" | PLUG400F-C | --- |
| 4-1/2" | PLUG450F-C | --- |
| 5" | PLUG500F-C | --- |
| 6" | PLUG600F-C | --- |

### Cap Test Gauges



**Application**
- Used for testing hose or static pressure on hydrants or trucks

**Features**
- Rocker lug swivel
- Petcock to release pressure

**Specification**
- Supplied with a **0-300 PSI** glycerine 3-1/2" diameter gauge

| NST (NH) Thread | Hardcoated Aluminum Part # |
|---|---|
| 1-1/2" | AFC150F-TGWP |
| 2-1/2" | AFC250F-TGWP |

## FDC Plugs



**Feature**
- Removed from FDC with adjustable hydrant wrench

**Specifications**
- Fits standard 2-1/2" NST (NH) female swivel
- Withstands wide range of temperatures from **-4°F** to **200°F** (**-20°C** to **93°C**)
- 1-1/8" pentagonal nut with weep hole to allow for drainage

| Size | Thread | Polycarbonate Part # |
|---|---|---|
| 1-1/2" | NST (NH) | PP150F |
| 2-1/2" | NST (NH) | PP250F |
| | NYFD | PP250NYFD |

## Adjust-A-Plug



front



**Features**
- Molded red polycarbonate protective plug for swivel connections up to 2-1/2"
- Two adjustable metal plates installed in the back of the plug can be mated with your local thread
- Plug can be easily removed with a fire department spanner wrench

| Polycarbonate Part # |
|---|
| PAP250 |



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## Brass Plugs

### Pin Lug

**Feature**
- NOT intended for pressure applications - for debris and thread protection only
- Finishes: -P polished, -C polished chrome plated



| NST (NH) Thread | Cast Brass Part # |
|---|---|
| 1-1/2" | FP150F |
| | FP150F-P |
| | FP150F-C |
| 2-1/2" | FP250F |
| | FP250F-P |
| | FP250F-C |
| 3" | FP300F |
| 4" | FP400F |
| 4-1/2" | FP450F |



| NPSH Thread | Cast Brass Part # |
|---|---|
| 1-1/2" | FP150 |
| 2-1/2" | FP250 |



### Rocker Lug

**Feature**
- Finishes: -P polished, -C polished chrome plated



| NST (NH) Thread | Cast Brass Part # |
|---|---|
| 1-1/2" | RFP150F |
| 2-1/2" | RFP250F |

### Domestic Plugs - Pin Lug



| NST (NH) Thread | Brass Part # |
|---|---|
| 1-1/2" | FP150F-D |
| 2-1/2" | FP250F-D |

N

## Brass Replacement Swivels and Accessories

**Features**
- Replacement brass swivels for Dixon® fire department connections
- Swivel comes with gasket, set screw, and ball bearings needed to install on FDC
- Other configurations are available, contact Dixon for information



| Size | Female Thread | Brass Part # |
|---|---|---|
| 2-1/2" | NPSH (2.84x8) | PSNP250S |
| | NST (NH) (3.07x7.5) | PSNP250NST |
| | NYC/BA (3.00x8) | PSNP250NYC |
| | NYFD (3.03x8) | PSNP250NYFD |
| 3" | NST (NH) | PSNP300NST |
| | NYFD | PSNP300NYFD |

NOTE: 2-1/2" requires 50 ball bearings, 3" requires 58 ball bearings

### Replacement Parts



| Description | Part # |
|---|---|
| 2-1/2" gasket | SW250 |
| 3" gasket | SW300F |
| ball bearings | 4600300001 |

## FSA-Storz x Rigid Female

**Application**
- For use wherever a non-valved, locking coupling is required

**Specification**
- Working pressure: **150 PSI** at **70°F (21°C)**

**Approval**
- Anodized components per MIL-A-8625 Type III Class 1

**Materials**
- Nitrile rubber gaskets
- Cast aluminum lock lever assembly on 4", 5", and 6"



### Storz x NST (NH) Female

| Storz Size | NST (NH) Female Thread | 6061-T6 Forged Alumium Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | FSA1515F |
| 2" | 1-1/2" | FSA2015F |
| | 2-1/2" | FSA2025F |
| 2-1/2" | 2-1/2" | FSA2525F |
| 3" | 2-1/2" | FSA3025F |
| 4" | 2-1/2" | FSA4025F |
| | 3" | FSA4030F |
| | 4" | FSA4040F |
| | 4-1/2" | FSA4045F |
| | 5" | FSA4050F |
| | 6" | FSA4060F |
| 5" | 2-1/2" | FSA5025F |
| | 3" | FSA5030F |
| | 4" | FSA5040F |
| | 4-1/2" | FSA5045F |
| | 5" | FSA5050F |
| | 6" | FSA5060F |
| 6" | 6" | FSA6060F |





### Storz x NPT Female

| Storz Size | NPT Female Thread | 6061-T6 Forged Alumium Part # |
|---|---|---|
| 1-1/2" | 1" | FSA1510T |
| | 1-1/2" | FSA1515T |
| 2" | 1-1/2" | FSA2015T |
| | 2" | FSA2020T |
| 2-1/2" | 1-1/2" | FSA2515T |
| | 2" | FSA2520T |
| | 2-1/2" | FSA2525T |
| | 3" | FSA2530T |
| 3" | 3" | FSA3030T |
| 4" | 3" | FSA4030T |
| | 4" | FSA4040T |
| | 6" | FSA4060T |
| 5" | 3" | FSA5030T |
| | 4" | FSA5040T |
| | 5" | FSA5050T |
| | 6" | FSA5060T |
| 6" | 4" | FSA6040T |
| | 6" | FSA6060T |



### Storz x NPSH Female

| Storz Size | NPSH Female Thread | 6061-T6 Forged Alumium Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | FSA1515S |
| 2" | 1-1/2" | FSA2015S |
| 2-1/2" | 2-1/2" | FSA2525S |
| 4" | 4" | FSA4040S |

# SFSA - Storz x Swivel Female Adapter - Rocker Lug / Long Handle

**Materials**
- Nitrile rubber gaskets
- Cast aluminum lock lever assembly on 4", 5", and 6"

**Specification**
- Working pressure: **150 PSI** at **70°F (21°C)**

**Approval**
- Anodized components per MIL-A-8625 Type III Class 1

## Storz x NST (NH) Female Swivel

| Storz Size | NST (NH) Female Swivel Thread | 6061-T6 Forged Alumium Part # |
|---|---|---|
| 2-1/2" | 2-1/2" | SFSA2525F |
| 3" | 2-1/2" | SFSA3025F |
| 4" | 2-1/2" | SFSA4025F |
| | 3" | SFSA4030F |
| | 4" | SFSA4040F |
| | 4-1/2" | SFSA4045F |
| | 6" | SFSA4060F |
| 5" | 2-1/2" | SFSA5025F |
| | 4" | SFSA5040F |
| | 4-1/2" | SFSA5045F |
| | 6" | SFSA5060F |
| 6" | | SFSA6060F |




## Storz x NPSH Female

| Storz Size | NPSH Female Swivel Thread | 6061-T6 Forged Alumium Part # |
|---|---|---|
| 2-1/2" | 2-1/2" | SFSA2525S |
| 3" | 3" | SFSA3030S |
| 4" | 4" | SFSA4040S |
| 5" | 6" | SFSA5060S |




N

## Storz x NST (NH) Female Swivel - Long Handle

| Storz Size | NST (NH) Female Swivel Thread | 6061-T6 Forged Alumium Part # |
|---|---|---|
| 4" | 4-1/2" | SFSA4045F-LH |
| 5" | 4" | SFSA5040F-LH |
| 5" | 4-1/2" | SFSA5045F-LH |
| 6" | 6" | SFSA6060F-LH |



NOTE: All adapters are made to approved Dixon® specifications.

## MSA - Storz x Rigid Male



### Storz x NST (NH) Male

| Storz Size | NST (NH) MaleThread | 6061-T6 Forged Alumium Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | MSA1515F |
| 2" | 1-1/2" | MSA2015F |
| 2-1/2" | 2-1/2" | MSA2525F |
| 3" | 2-1/2" | MSA3025F |
| 4" | 2-1/2" | MSA4025F |
| | 4" | MSA4040F |
| | 4-1/2" | MSA4045F |
| 5" | 2-1/2" | MSA5025F |
| | 5" | MSA5050F |



### Storz x NPT Male

| Storz Size | NPT Male Thread | 6061-T6 Forged Alumium Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | MSA1515T |
| 2" | 1-1/2" | MSA2015T |
| 2-1/2" | 2" | MSA2520T |
| | 2-1/2" | MSA2525T |
| | 3" | MSA2530T |
| 3" | 3" | MSA3030T |
| 4" | 4-1/2" | MSA4025T |
| | 4" | MSA4040T |
| 5" | 4" | MSA5040T |
| 6" | 6" | MSA6060T |



1-1/2" x 1-1/2"

### Storz x NPSH Male

| Storz Size | NPSH Male Thread | 6061-T6 Forged Alumium Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | MSA1515S |
| 2" | | MSA2015S |

New

## SLSA - Storz Live Swivel



**Specification**

- Working pressure: **200 PSI** at **70°F (21°C)**

| Storz | FNPT | 6061-T6 Forged Alumium Part # |
|---|---|---|
| 4" | 4" | SLSA4040T |
| 5" | | SLSA5040T |

NOTE: Optional configurations from 2-1/2" to 6" on the non-storz side.



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## SFSA30 - Storz x Female Swivel 30° Elbow - Rocker Lug

**Feature**
- Screens available for 4" and 5" heads, consult Dixon® for information

**Materials**
- Nitrile rubber gaskets
- Cast aluminum lock lever assembly on 4", 5", and 6"

**Specification**
- Working pressure: **150 PSI** at **70°F (21°C)**

**Approval**
- Anodized components per MIL-A-8625 Type III Class 1



| Storz Size | NST (NH) Female Swivel Thread | 6061-T6 Forged Alumium Part # |
|---|---|---|
| 4" | 4" | SFSA30-4040F |
| | 5" | SFSA30-4050F |
| | 6" | SFSA30-4060F |
| 5" | 3" | SFSA30-5030F |
| | 4" | SFSA30-5040F |
| | 4-1/2" | SFSA30-5045F |
| | 6" | SFSA30-5060F |

NOTE: Replacement washers can be found on page 827

## SFSA30 - Storz x Female Swivel 30° Elbow - Long Handle

**Materials**
- Nitrile rubber gaskets
- Cast aluminum lock lever assembly on 4", 5", and 6"

**Specification**
- Working pressure: **150 PSI** at **70°F (21°C)**

**Approval**
- Anodized components per MIL-A-8625 Type III Class 1



| Storz Size | NST (NH) Female Swivel Thread | 6061-T6 Forged Alumium Part # |
|---|---|---|
| 4" | 4-1/2" | SFSA30-4045F-LH |
| | 5" | SFSA30-4050F-LH |
| | 6" | SFSA30-4060F-LH |

NOTE: Replacement washers can be found on page 827



## NCS-CSF - 150 lbs. Carbon Steel Flange x Storz



| 150# Flange | Storz | Carbon Steel Part # |
|---|---|---|
| 4" | 5" | NCS-CSF-STZ450 |
| | 6" | NCS-CSF-STZ460 |
| 5" | 4" | NCS-CSF-STZ540 |
| | 5" | NCS-CSF-STZ550 |
| | 6" | NCS-CSF-STZ560 |
| 6" | 4" | NCS-CSF-STZ640 |
| | 5" | NCS-CSF-STZ650 |
| | 6" | NCS-CSF-STZ660 |

NOTE: For flange dimensions, diagrams and additional information please reference dixonvalve.com.

## NCS-CSF - 150 lbs. Carbon Steel Flange x Storz with Cap



| 150# Flange | Storz | Carbon Steel Part # |
|---|---|---|
| 5" | 6" | NCS-CSF-STZ650C |
| 6" | | NCS-CSF-STZ660C |

## SSA - Storz x Storz Adapter



**Materials**
- Nitrile rubber gaskets
- Cast aluminum lock lever assembly on 4", 5" and 6"

**Specification**
- Working pressure: **150 PSI** at **70°F (21°C)**

**Approval**
- Anodized components per MIL-A-8625 Type III Class 1

| Storz Size | Storz Size | 6061-T6 Forged Alumium Part # |
|---|---|---|
| 1-1/2" | 2" | SSA1520 |
| | 2-1/2" | SSA1525 |
| 2" | 2-1/2" | SSA2025 |
| | 3" | SSA2030 |
| | 4" | SSA2540 |
| 4" | 5" | SSA4050 |
| | 6" | SSA4060 |
| 5" | | SSA5060 |

## SSA30 - Storz x Storz 30° Elbow Adapters



**Materials**
- Nitrile rubber gaskets
- Cast aluminum lock lever assembly on 4", 5" and 6"

**Specification**
- Working pressure: **150 PSI** at **70°F (21°C)**

**Approval**
- Anodized components per MIL-A-8625 Type III Class 1

| Storz Size | Storz Size | 6061-T6 Forged Alumium Part # |
|---|---|---|
| 5" | 5" | SSA30-550 |

N

## Dixon® Storz Hydrant Conversion Adapters



**Features**
- Secured to hydrant by three set screws positioned around the rim
- Hydrant side: metal face to seal to gasketed face on hose
- Reflective stripe around the rim for ease of night time location

**Specification**
- Designed to adapt 4-1/2" NH threads found on most hydrants to Storz connection

| Size | Part # |
|---|---|
| 5" Storz x 4-1/2" NH (NST) | SHA5045F |

# Storz Accessories

## Threaded Storz Mounting Plates (Bracket)



| Storz Size | Anodized Aluminum Part # |
|---|---|
| 1-1/2" - 2-1/2" | SMB1525 |
| 4" - 5" | SMB450 |

## Storz Caps

**Features**
- 4", 5", 6" supplied with cables
- 1-1/2", 2", 2-1/2", 3" supplied with chains



| Storz Size | Aluminum Part # |
|---|---|
| 1-1/2" | SC150-NL |
| 2" | SC200-NL |
| 2-1/2" | SC250-NL |
| 3" | SC300-NL |
| 4" | SC400-NL |
| 4" ABS | SC400ABS[1] |
| 5" | SC500-NL |
| 5" ABS | SC500ABS[1] |
| 6" | SC600-NL |

[1] ABS includes airbleeder/petcock

## Storz Gaskets

**Features**
- Gasket faces should be kept free of sand, grit, etc. and lubricated with O-ring grease or silicone
- Pressure seals have a flat face
- Suction seals have a beaded face



pressure seal (black)



suction seal (grey)

| Storz Size | Nitrile Rubber Pressure Part # | Nitrile Rubber Suction Part # |
|---|---|---|
| 1-1/2" | SGS150-NL[1] | SGS150-NL |
| 2" | SGP200 | SGS200-NL |
| 2-1/2" | SGP250 | SGS250-NL |
| 3" | SGP300 | SGS300-NL |
| 4" | SGP400 | SGS400-NL |
| 5" | SGP500 | SGS500-NL |
| 6" | SGS600-NL[1] | SGS600-NL |

[1] Gasket can be used for both pressure and suction service

## Storz Locking Devices




| Description | Part # |
|---|---|
| metal locking device used on 4" and 5" Storz heads with spring, screw, and washer | LOCKINGDEVICE |
| metal locking device used on 6" Storz heads with spring, screw, and washer | LOCKINGDEVICE6 |



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# Wrenches

## Universal Spanner



**Application**
- For 3/4" to 3" pin lug and rocker lug couplings

**Feature**
- Includes gas cock shutoff, pry bar and belt hook eye

**Size**
- Overall length 11-7/8"

| Aluminum Part # | Pkg Qty |
|---|---|
| USW | 25 |

## Universal



**Application**
- For pin lug or rocker lug couplings 1" - 4-1/2"

**Features**
- Red epoxy painted
- A gas cock shutoff is provided in the handle

**Size**
- Overall length 11-3/4"

| Iron Part # |
|---|
| 233 |

## Hole Type Spanner



**Application**
- Designed for use on 3/4" and 1" booster hose couplings

**Size**
- Overall length is 7-1/2"

| AL-MAG 35 Part # |
|---|
| HTSW |

## Storz Hydrant



**Features**
- Fits 4" and 5" Storz
- Includes adjustable hydrant nut wrench

**Materials**
- Ductile iron head
- Knurled chrome plated handle
- Manganese bronze adjustable jaw

| Part # |
|---|
| SAHW |

## Folding Pocket Spanners



PSW



PSW-B



PSW-Z



PSW-Y

**Application**
- For pentagon nuts up to 1-3/4"

**Feature**
- Built-in spanner for pin or rocker lug couplings

**Size**
- Overall length 16-1/4"

| Material | Part # |
|---|---|
| aluminum | PSW |
| brass | PSW-B |
| die cast zinc | PSW-Z |
| yellow plastic | PSW-Y |

## Adjustable Hydrant



**Features**
- Fits 3/4" to 3" rocker lug and pin lug couplings
- A compact wrench easily carried in your jacket pocket

| Aluminum Part # | Pkg Qty |
|---|---|



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# Wrenches

## Pigtail Adjustable Hydrant

**Feature**
- Double spanner head fits pin lug or rocker (sensible) lug couplings, pentagon nuts up to 1-1/2" from point to flat, 1-1/2" - 6" rocker lug caps, 2" - 4-1/2" pin lug caps, and square nuts up to 1-1/8"



| Part # |
|---|
| AHWPT |

## Heavy Duty Adjustable Hydrant

**Application**
- For pentagon hydrant nuts up to 1-3/4" from point to flat

**Size**
- Overall length 18"

**Features**
- Notched to fit 1-1/4" square hydrant nut
- Spanner for pin lug and sensible (rocker) lug couplings, 1-1/2" thru 6"

**Materials**
- Plated iron head, 7/8" plated steel handle



| Part # | Pkg Qty |
|---|---|
| 189 | 15 |

## Double Head Adjustable Hydrant

**Application**
- For pentagon hydrant nuts up to 1-7/8" and square heads up to 1-1/2"

**Size**
- Overall length 19-1/2"

**Feature**
- Fits 3/4" - 6" rocker lug or pin lug couplings, can also be used for long handle couplings

**Materials**
- Ductile iron head with a deeply knurled chrome plated steel handle
- Replaceable adjustable jaw is made of manganese bronze



| Part # |
|---|
| 189DH |

N

## 5 Hole Hydrant

**Size**
- Overall length: 14-1/4"

**Features**
- Five pentagon holes designed to fit common hydrant nut sizes
- Built-in spanner for pin or rocker lug couplings



| Plated Iron Part # | Pkg Qty |
|---|---|
| PHW | 25 |

## Grip-All Spanner

**Features**
- Fits 3/4" - 6" split lug, rocker lug, and pin lug couplings
- Can be operated in tight quarters
- Gas cock shutoff is provided in the handle; handle is shaped to fit your hand allowing a positive grip on the coupling



| Aluminum Part # |
|---|

# Wrenches

## Hydrant



**Application**
- Used for hydrant work by water works companies and on construction sites

**Size**
- 1-1/4" square hydrant wrench
- Overal length 15"

**Features**
- Fits up to 4" pin lug or rocker lug couplings
- Complete with pry bar

| A356 Aluminum<br>Part # |
|---|
| DF16-180 |



**Features**
- Fits up to 2-1/2" pin lug or rocker lug couplings
- Complete with pry bar and 1-1/4" nut wrench
- Lug / drum wrench

| A356 Aluminum<br>Part # |
|---|
| DF16-181 |

## Long Handle Suction Spanner



**Application**
- Use on long handle, rocker lug, or pin lug couplings from 2-1/2" - 6"

**Size**
- Overall length 18-3/4"

**Features**
- Open end slips over long handles for additional leverage, the claw fits rocker lugs or pin lugs, the other end can be used as a pry or crowbar
- Inverted "T" body construction for lighter weight and improved strength
- Can be used on Dixon® cam and groove pin lug or trapezoidal lug tank car adapters or 8" pin lug couplings

| Plated Iron<br>Part # |
|---|
| LHW |

## Forestry Hose Clamp and Spanner





**Size**
- Overall length 10"

**Features**
- Off-set handle enables the user to easily operate the clamp while wearing gloves
- When clamped onto the hose the brass locking device safely holds the clamp in position, a spanner is an integral part of the clamp

**Material**
- Cast aluminum and brass

**Specification**
- To be used with lightweight 1" and 1-1/2" hoses for pressures up to **200 PSI**

| Cast Aluminum<br>Part # |
|---|
| FHCS150 |

## Forestry Pocket Spanners



**Applications**
- FSW1: for use on 1" hoses only
- FSW2: for 1" and 1-1/2" hose couplings

**Size**
- Overall length 5"

**Approval**
- Meets USFDA specification 5100-101C

| Aluminum<br>Part # |
|---|
| FSW1 |



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# Storz Wrenches

## Pin Lug Spanners - Single End

| Size | Plated Iron Part # |
|---|---|
| 2" | SW20 |
| 2-1/2" | SW25 |
| 3" | SW30 |
| 4" | SW40 |
| 6" | SW60 |



## Pin Lug Spanner - Double End

| Size | Plated Iron Part # |
|---|---|
| 1-1/2", 2" x 2-1/2", 3" | SW153 |



## Spanner - Single End

**Features**
- SW1530 fits 1-1/2" - 3" Storz
- SZW2 for use on 4" and 6" Storz

| Size | AL-MAG 35 Part # |
|---|---|
| 1-1/2" - 3" | SW1530 |
| 4" - 6" | SZW2 |



SZW2



SW1530

## Spanners - Double End

| Used On | Material | Part # |
|---|---|---|
| 2" - 5" | aluminum | SZW2-NL |
| | steel | SW-S400 |



SZW2-NL



SW-S400

N

## Holder with (2) Wrenches - Double Ended

| Description | Material | Part # |
|---|---|---|
| 2 Storz wrenches (2-1/2" - 5") with bracket | aluminum | SWB-2 |
| | steel | SWB-S-2 |
| 4 Storz wrenches (2-1/2" - 5") with bracket | steel | SWB-S-4 |



## Long Handle Short Shank Suction Hose Females



**Application**
- For suction and low pressure discharge only

**Material**
- Powder coated aluminum swivel nut

| Female Swivel NST (NH) | Hose Size | Powder Coated Aluminum Part # |
|---|---|---|
| 4" | 4" | LHFS400F |
| 4-1/2" | | LHFS4045F |

## Angle and Suction Elbows



30° elbow



45° elbow

**Application**
- For use on pump discharge valves, or suction inlets to minimize hose kinking

**Features**
- Rocker lug swivel
- Satin brass finish

**Material**
- -C polished chrome plated

| Male NST (NH) Thread | Female NST (NH) Thread | Angle | Brass Part # |
|---|---|---|---|
| 2-1/2" | 2-1/2" | 30° | RSE30250F-C |
| | | 45° | RSE45250F |
| | | | RSE45250F-C |
| | | 90° | RSE90250F |
| | | | RSE90250F-C |

## Continuous Swivel Elbows



**Features**
- Allows hose to swing when connected
- Full waterway reduces friction loss
- Short style radius is 2-1/2" measured from the center of the waterway to the end of the discharge thread

| Female NPT Thread | Male Thread | Length | Cast Brass Part # |
|---|---|---|---|
| 1-1/2" | 1-1/2" NST (NH) | 2-1/2" | CSES150F |
| 2" | | | CSES2015F |
| 1-1/2" | 1-1/2" NPT | | CSES150T |

## Dixon® Angle and Suction Elbows N54




90° elbow

**Application**
- Ideal for fire apparatus with front suction connections

**Materials**
- Anodized, powder coated aluminum, extruded
- Anodized female swivel connections

| Male NST (NH) Thread | Female NST (NH) Swivel Thread | Angle | Aluminum Part # |
|---|---|---|---|
| 2-1/2" | 2-1/2" | 30° | N5430-25F25F |
| | | 45° | N5445-25F25F |
| | | 60° | N5460-25F25F |
| | | 90° | N5490-25F25F |



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## Pump Test Headers

**Feature**
- Other sizes and configurations available, consult Dixon® for information

**Specification**
- Available connections: grooved, flanged, and threaded

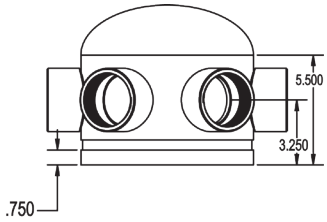
**Approval**
- Certified D1, G1, G6

| End Connection | End Size | # of Outlets | Pump Size Max. GPM | Part # |
|---|---|---|---|---|
| 150# flanged | 3" | 1 | **300** | HVF0301-25 |
| | 4" | 2 | **500** | HVF0402-25 |
| | 6" | 3 | **750** | HVF0603-25 |
| | 6" | 4 | **1000** | HVF0604-25 |
| | 6" | 6 | **1000** | HVF0606-25 |
| | 8" | 6 | **2000** | HVF0806-25 |
| grooved | 6" | 3 | **750** | HVG0603-25 |
| | 6" | 4 | **1000** | HVG0604-25 |
| | 8" | 3 | **750** | HVG0803-25 |
| | 8" | 6 | **2000** | HVG0806-25 |



flanged






grooved

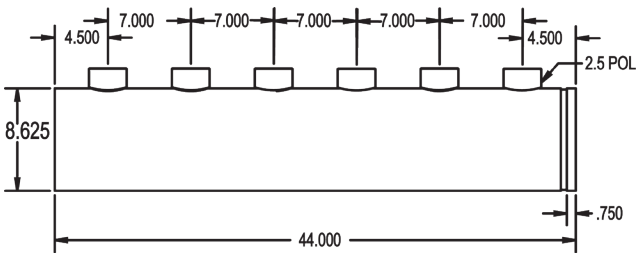
## Manifolds

**Model Number Breakdown**

**T98060-30**

End Connection
Location
End Size
# of Outlets
Size Outlets

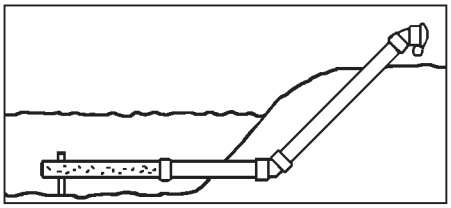




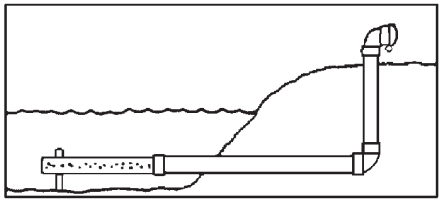

| End Connection | | Location | | End Size | | # of Outlets | | Outlet Size | |
|---|---|---|---|---|---|---|---|---|---|
| T | threaded | E | End | 40 | 4" | 20 | 2 | 25 | 2-1/2" FNPT |
| G | grooved | B | Back | 60 | 6" | 30 | 3 | 30 | 3" FNPT |
| F | flanged | 9 | 90° | 80 | 8" | 40 | 4 | --- | --- |
| --- | --- | --- | --- | --- | --- | 60 | 6 | --- | --- |

## Dry Hydrants

### Typical Dry Hydrant Installations



45°
(preferred)



90°

## Underwater Strainer Supports



| Description | Part # |
|---|---|
| underwater strainer support | DHSSC6 |

## Back Flushing Strainers



**Size**
- Length: 37"

| Size | Schedule 40 PVC Part # |
|---|---|
| 6" | DHS6BF |
| 8" | DHS8BF[1] |

[1]Includes 8" x 6" reducer

## Male Adapters and Caps



adapters and caps sold separately

| | 90° Male Adapters | 45° Male Adapters |
|---|---|---|
| Male NST (NH) | Hardcoated Part # | Hardcoated Part # |
| 4-1/2" | ADH90M45F | ADH45M45F |
| 6" | ADH90M60F | ADH45M60F |

### Rocker Lug Caps with Cable

| Female NST (NH) | Hardcoated Part # |
|---|---|
| 4-1/2" | ADHC450F |
| 6" | ADHC600F |

## Female Adapters and Plugs



adapters and plugs sold

| | 90° Female Adapters | 45° Female Adapters |
|---|---|---|
| Female NST (NH) | Hardcoated Part # | Hardcoated Part # |
| 4-1/2" | ADH90F45F | ADH45F45F |
| 6" | ADH90F60F | ADH45F60F |

### Rocker Lug Plugs with Cable

| Male NST (NH) | Hardcoated Part # |
|---|---|
| 4-1/2" | ADHP450F |
| 6" | ADHP600F |



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# Two-Way Male Outlet - Roof Connections

## Application
- Used to create roof connections, fire pump test connections, wall hydrants or sidewalk (free standing) hydrants

## Feature
- Other configurations are available, contact Dixon® for additional information

## Specifications
- Maximum operating pressure: **175 PSI** at **70°F (21°C)**
- Provides **250 GPM** minimum per outlet

## Approval
- UL listed





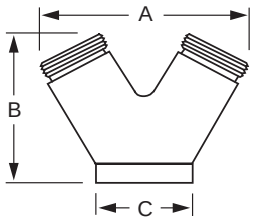
### Back Outlet

| Pipe Size | (2) Outlets Male | Cast Brass Part # |
|---|---|---|
| 4" | 2-1/2" NPT | IRC4025 |
| | | FRC4025 |
| | 2-1/2" NST (NH) | IRC4025F |
| | | FRC4025F |
| 6" | 2-1/2" NPT | FRC6025 |
| | 2-1/2" NST (NH) | FRC6025F |

| Groove Size | (2) Outlets Male | Cast Brass Part # |
|---|---|---|
| 4" | 2-1/2" NST (NH) | IRC4025GF |

### Dimensions

| Size | A | B | C |
|---|---|---|---|
| 4" x 2-1/2" x 2-1/2" | 7-7/8" | 5-3/16" | 5-1/4" |
| 6" x 2-1/2" x 2-1/2" | 8-3/16" | 6-3/8" | 7-5/8" |



# Two-Way Male Outlet - Roof Connections

### Application
- Used to create roof connections, fire pump test connections, wall hydrants or sidewalk (free standing) hydrants

### Specifications
- Maximum operating pressure: **175 PSI** at **70°F (21°C)**
- Provides **250 GPM** minimum per outlet

### Approval
- UL listed



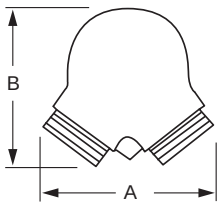
**90˚ Bottom Outlet**

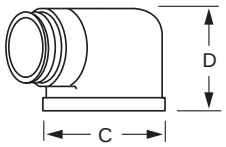
| Pipe Size | (2) Outlets Male | Cast Brass Part # |
|---|---|---|
| 4" | 2-1/2" NPT | 90IRC4025 |
| | | 90FRC4025 |
| | 2-1/2" NST (NH) | 90IRC4025F |
| | | 90FRC4025F |
| 6" | 2-1/2" NPT | 90FRC6025 |
| | 2-1/2" NST (NH) | 90FRC6025F |



| Groove Size | (2) Outlets Male | Cast Brass Part # |
|---|---|---|
| 4" | 2-1/2" NPT | 90IRC4025G |
| | 2-1/2" NST(NH) | 90IRC4025GF |

N




**Dimensions**

| Size | A | B | C | D |
|---|---|---|---|---|
| 4" x 2-1/2" x 2-1/2" | 7-1/2" | 6-3/4" | 5-1/8" | 4-1/2" |
| 6" x 2-1/2" x 2-1/2" | 9" | 8-1/2" | 7-1/2" | 5" |

## Three-Way Male Outlet - Roof Connections

**Application**
- Used to create roof connections, or fire pump test connections

**Specification**
- Provides **250 GPM** minimum per outlet

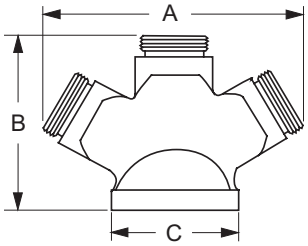
### Back Outlet

| Pipe Size | (3) Outlets Male | Cast Brass Part # |
|---|---|---|
| 4" | 2-1/2" NPT | FR3C4025 |
| 6" | 2-1/2" NPT | FR3C6025 |
| | 2-1/2" NST (NH) | FR3C6025F |



### Dimensions

| Size | A | B | C |
|---|---|---|---|
| 4" x 2-1/2" x 2-1/2" x 2-1/2" | 12-3/4" | 8-3/4" | 5-1/4" |
| 6" x 2-1/2" x 2-1/2" x 2-1/2" | 15-3/8" | 9-3/4" | 7-5/8" |



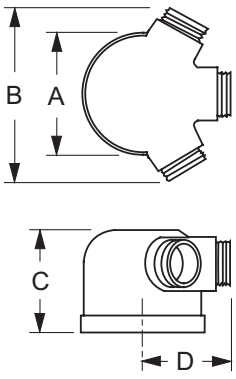

### Bottom Outlet

| Pipe Size | (3) Outlets Male | Cast Brass Part # |
|---|---|---|
| 4" | 2-1/2" NPT | 90FR3C4025 |
| | 2-1/2" NST (NH) | 90FR3C4025F |
| 6" | 2-1/2" NPT | 90FR3C6025 |
| | 2-1/2" NST (NH) | 90FR3C6025F |



### Dimensions

| Size | A | B | C | D |
|---|---|---|---|---|
| 4" x 2-1/2" x 2-1/2" x 2-1/2" | 7-3/4" | 11-3/4" | 4-7/16" | 6-1/4" |
| 6" x 2-1/2" x 2-1/2" x 2-1/2" | | | | |




## Sleeve for Sidewalk (Free Standing) Connections

**Application**
- Used in conjunction with a sidewalk escutcheon and a 90° double clapper Siamese to create a sidewalk (free standing) fire department connection
- Finishes: -P polished, -C polished chrome plated

| Pipe Size | Length | Brass Part # |
|---|---|---|
| 4" | 18" | SS418-P |
| | | SS418-C |
| | 24" | SS424-P |
| | | SS424-C |
| 6" | 18" | SS618-P |
| | | SS618-C |
| | 24" | SS624-P |



# Single Clapper Siamese Connections

**Features**
- Single swing clapper with (2) pin lug swivel inlets
- Design provides unobstructed waterway
- Exposed Fire Department Connections (FDC) provide an economical method of satisfying local fire codes
- Branding: Auto-Spkr
- Replacement swivels can be ordered on page 821
- Finishes: -P polished or -C polished chrome plated

**Specifications**
- Maximum operating pressure: **250 PSI** at **70°F (21°C)**
- Provides **500 GPM** minimum to supplement the fire protection as an auxiliary inlet connection to the water supply (**250 GPM** minimum per inlet)

## Back Outlet

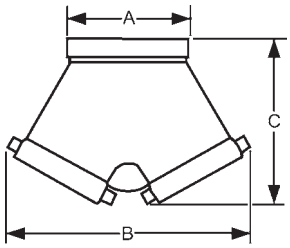


**Approval**
- UL listed and FM approved

| Outlet Female NPT Thread | (2) Inlets Female Thread | Cast Brass Part # |
|---|---|---|
| 4" | 2-1/2" NST (NH) | SCS4025F |
| | | ISCS4025F[1] |

[1] Imported

### Dimensions




| Size | A | B | C |
|---|---|---|---|
| 4" x 2-1/2" x 2-1/2" | 5-1/8" | 9" | 6-1/16" |

NOTE: Dimensions match SCS4025F and SCS4025NYFD

N

## Bottom Outlet

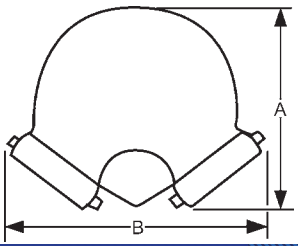


**Approval**
- UL listed

| Outlet Female NPT Thread | (2) Inlets Female Thread | Cast Brass Part # |
|---|---|---|
| 4" | 2-1/2" NST (NH) | 90SCS4025F |
| | | 90ISCS4025F[1] |

[1] Imported

### Dimensions




| Size | A | B |
|---|---|---|
| 4" x 2-1/2" x 2-1/2" | 6-7/8" | 9-7/8" |

NOTE: Dimensions match 90SCS4025F and 90SCS4025NYFD

# Double Clapper Siamese Connections

### Features
- Double drop clapper with (2) pin lug swivel inlets provides required **500 GPM** minimum to supplement the fire protection as an auxiliary inlet connection to the water supply (**250 GPM** minimum per inlet)
- Exposed Fire Department Connections (FDC) provide an economical method of satisfying local fire codes
- Finish: -P polished or -C polished chrome plated

### Specification
- Maximum operating pressure: **175 PSI** at **70°F (21°C)**

### Approval
- UL listed and FM approved

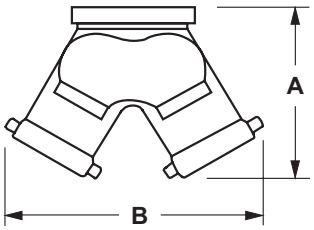
## Back Outlet

| Outlet Female NPT Thread | (2) Inlets Female Thread | Branding | Cast Brass Part # |
|---|---|---|---|
| 4" | 2-1/2" NST(NH) | AutoSprinkler | DCS4025F |
| | | | DCS4025F-P |
| | | | DCS4025F-C |
| | | StandPipe | DCS4025F-SP |
| | | No Branding | DCS4025F-NB |
| | 3" NST(NH) | AutoSprinkler | DCS4030F |
| | 3" NYFD | | DCS4030NYFD |
| 6" | 2-1/2" NST(NH) | | DCS6025F[1] |
| | 2-1/2" NST(NH) | StandPipe | DCS6025F-SP[1] |



## Dimensions

| Size | A | B |
|---|---|---|
| 4" x 2-1/2" x 2-1/2" | 9-5/8" | 12-1/4" |
| 6" x 2-1/2" x 2-1/2" | 10-1/4" | 11-3/4" |
| 4" x 3" x 3" | 10" | 12-1/2" |
| 6" x 3" x 3" | 10-3/8" | 12-1/2" |




## Bottom Outlet

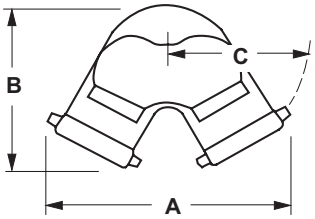
| Outlet Female NPT Thread | (2) Inlets Female Thread | Branding | Cast Brass Part # |
|---|---|---|---|
| 4" | 2-1/2" NST(NH) | AutoSprinkler | 90DCS4025F |
| | | | 90DCS4025F-P |
| | | | 90DCS4025F-C |
| | | StandPipe | 90DCS4025F-SP |
| | | No Branding | 90DCS4025F-NB |
| | 3" NST(NH) | AutoSprinkler | 90DCS4030F |
| | 3" NYFD | | 90DCS4030NYFD |
| | | StandPipe | 90DCS4030NYFDSP |
| 6" | 2-1/2" NST(NH) | AutoSprinkler | 90DCS6025F[1] |
| | | StandPipe | 90DCS6025F-SP[1] |
| | 3" NYFD | AutoSprinkler | 90DCS6030NYFD[2] |



polished

## Dimensions

| Size | A | B | C |
|---|---|---|---|
| 4" x 2-1/2" x 2-1/2" | 11-3/4" | 9-5/8" | 7-1/4" |
| 6" x 2-1/2" x 2-1/2" | 11-3/4" | 10-3/4" | |
| 4" x 3" x 3" | 12-1/2" | 10-1/8" | |
| 6" x 3" x 3" | 12-1/4" | 10-7/8" | |




NOTE: Special threads, branding, and finishes are available, consult Dixon® for information
NOTE: Replacement swivels can be ordered on page 821

[1] Models are not UL listed or FM approved



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# Triple Clapper Siamese Connections

**Feature**
- Branding: see below

**Material**
- Finishes: -P polished or -C polished chrome plated

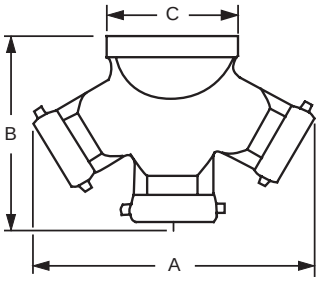
**Specification**
- Maximum operating pressure: **175 PSI** at **70°F (21°C)**



polished

### Back Outlet

| Outlet Female NPT Thread | (3) Inlets Female NST (NH) Thread | Branding | Cast Brass Part # |
|---|---|---|---|
| 4" | 2-1/2" | AutoSprinkler | TCS4025F |
| | | StandPipe | TCS4025F-SP |
| | | No Branding | TCS4025F-NB |
| 6" | | AutoSprinkler | TCS6025F |
| | | StandPipe | TCS6025F-SP |
| | | No Branding | TCS6025F-NB |



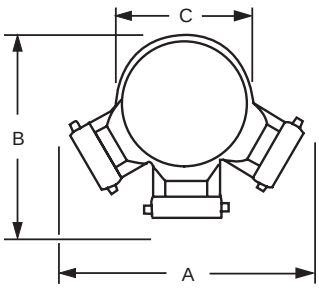

### Dimensions

| Size | A | B | C |
|---|---|---|---|
| 4" x 2-1/2" x 2-1/2" x 2-1/2" | 13-3/4" | 10-1/2" | 5" |
| 6" x 2-1/2" x 2-1/2" x 2-1/2" | | | 7-1/2" |

### Bottom Outlet



| Outlet Female NPT Thread | (3) Inlets Female NST (NH) Thread | Branding | Cast Brass Part # |
|---|---|---|---|
| 4" | 2-1/2" | AutoSprinkler | 90TCS4025F |
| | | No Branding | 90TCS4025F-NB |
| 6" | | AutoSprinkler | 90TCS6025F |
| | | No Branding | 90TCS6025F-NB |




### Dimensions

| Size | A | B | C |
|---|---|---|---|
| 4" x 2-1/2" x 2-1/2" x 2-1/2" | 14-1/2" | 11-1/2" | 7-5/8" |
| 6" x 2-1/2" x 2-1/2" x 2-1/2" | | | |

NOTE: Special threads, branding, and finishes are available; consult Dixon® for information
NOTE: Replacement swivels can be ordered on page 821



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## Reversible Concealed Angle Siamese Body

### Application
- Stainless steel FDC provides water up to 90 stories without auxiliary pumping systems

### Sizes
- Bodies: 4" and 6"
- Snoots: 2-1/2" x 2-1/2" and 2-1/2" x 3"

### Features
- Uniquely designed clappers are fully reversible with perpendicular trunnion, allowing one body to be installed for top or bottom connections
- Concealed unit mounts behind a wall plate; escutcheon sold separately for exposed installation

### Materials
- Body: 316 stainless steel
- Shutters: 4" x 2-1/2": brass
  6" x 3": 316 stainless steel
- Snoots: 316 stainless steel
- Pivot pins: brass on concealed units, stainless steel on exposed units

### Specifications
- 4" x 2-1/2" maximum working pressure: **500 PSI**
- 6" x 3" maximum working pressure: **600 PSI**

### Approvals
- 4" x 2-1/2" is FM Approved
- 6" x 3" is FM and New York Fire Department approved

| Inlet | (2) Outlets | Description | Stainless Steel Part # |
|---|---|---|---|
| 4" NPT | 2-1/2" NPT | concealed angle body | 4025REV90SS |
| 6" grooved | 3" NPT | concealed straight body | DCS6030GSS |
| 6" NPT | 3" NPT | concealed or exposed angle body | 90CREV6030SS |
| | | concealed or exposed angle body polished | 90CREV6030SS-P |
| | | reversible fire department connection assembly for concealed or exposed installation with proper identification plate | 90CREV6030SSPAT |



4" X 2-1/2"
(unpolished finish)



6" X 3"
(unpolished finish)



6" X 3"
(polished finish)

N

## Open Snoots

| Swivel | NPT Thread | Stainless Steel Female Part # | Stainless Steel Male Part # |
|---|---|---|---|
| 2-1/2" NST (NH) | 2-1/2" | SF250FSS | SM250FSS |
| | 3" | SF2530FSS | SM2530FSS |
| 3" NST (NH) | 3" | SF300FSS | SM300FSS |
| 3" NYFD | 3" | SF300NYFDSS | SM300NYFDSS |



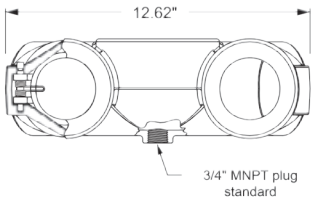
2-1/2" x 3" male
(polished satin finish)

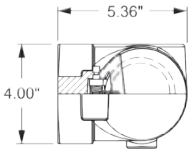


3" x 3" male
(polished satin finish)

## Reversible Concealed Angle Siamese Bodies






### Features
- Fully reversible with a perpendicular trunnion allowing one body to be installed for top and bottom connections
- Bodies require wall plate WP2 see page 845

### Specification
- Maximum operating pressure: **250 PSI** at **70°F (21°C)**

### Approvals
- UL listed
- Approved by New York City Board of Standards and Appeals

| Outlet Female NPT Thread | (2) Inlets Female NPT Thread | Brass Part # |
|---|---|---|
| 4" | 2-1/2" | 4025REV90 |
| | 3" | 4030REV90 |

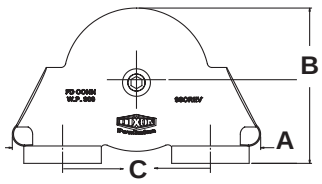
## Reversible Concealed Angle Siamese Bodies



### Features
- Fully reversible with a perpendicular trunnion allowing one body to be installed for top and bottom connections
- Replaces 23-391 bodies

### Specification
- Maximum operating pressure: **250 PSI** at **70°F (21°C)**

| Outlet Female NPT Thread | (2) Inlets Female NPT Thread | Brass Part # |
|---|---|---|
| 5" | 2-1/2" | 90CREV5025 |
| | 3" | 90CREV5030 |
| 6" | 2-1/2" | 90CREV6025 |
| | 3" | 90CREV6030 |




### Dimensions

| Size | A | B | C |
|---|---|---|---|
| 5" x 3" x 3" | 12" | 9-1/2" | 7-5/8" |
| 6" x 2-1/2" x 2-1/2" | 12" | 7--1/4" | 7-5/8" |
| 6" x 3" x 3" | 12" | 9-1/2" | 7-5/8" |



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# Concealed 2-Way Wall Hydrant Bodies

### Size
- 7-5/8" center-line

### Features
- Drop clappers provide unobstructed waterway
- Flush design is desirable when appearance is a factor
- Double clapper
- Bodies require wall plate WP2 (24-385), see page 845

### Specification
- Provides **500 GPM** minimums at **250 GPM** per inlet (ref. NFPA 14)

### Approval
- UL listed

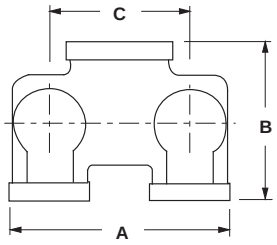
### Back outlet

| Outlet Female NPT Thread | (2) Inlets Female NPT Thread | Brass Part # |
|---|---|---|
| 4" | 2-1/2" | CDMHCB40225 |
| | 3" | CDMHCB40230 |
| 5" | 3" | CDMHCB50230 |
| 6" | 2-1/2" | CDMHCB60225 |
| | 3" | CDMHCB60230 |



### Dimensions

| Size | A | B | C |
|---|---|---|---|
| 4" x 2-1/2" x 2-1/2" | 11-1/8" | 6" | 7-5/8" |
| 4" x 3" x 3" | 12-1/4" | 8-1/8" | 7-5/8" |
| 5" x 3" x 3" | 11-13/16" | 7-5/16" | 7-5/8" |
| 6" x 2-1/2" x 2-1/2" | 11-1/8" | 7-3/8" | 7-5/8" |
| 6" x 3" x 3" | 12-1/4" | 8-1/4" | 7-5/8" |




N

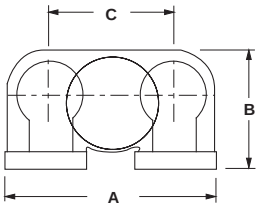
### Bottom outlet

| Outlet Female NPT Thread | (2) Inlets Female NPT Thread | Brass Part # |
|---|---|---|
| 5" | 3" | 90CDMHCB50230 |
| 6" | 2-1/2" | 90CDMHCB60225 |
| | 3" | 90CDMHCB60230 |



### Dimensions

| Size | A | B | C |
|---|---|---|---|
| 5" x 3" x 3" | 12" | 9-1/2" | 7-5/8" |
| 6" x 2-1/2" x 2-1/2" | 12" | 7-1/4" | 7-5/8" |
| 6" x 3" x 3" | 12" | 9-1/2" | 7-5/8" |



## Spring Check Type Snoots - Pin Lug

**Feature**
- Other configurations are also available, consult Dixon® for information
- Finishes: -P polished, -C polished chrome plated

**Specification**
- Maximum operating pressure: **175 PSI** at **70°F (21°C)**

### Female Outlet

**Feature**
- Connections are attached to the bodies with pipe nipples (not included)

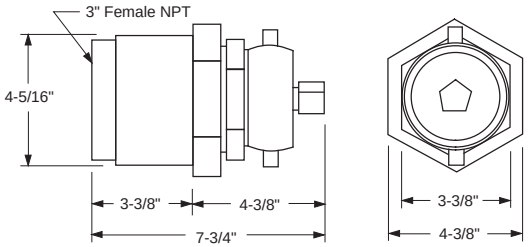
**Specification**
- Female NPT rigid with hexagon by female hose thread to swivel



polished chrome plated

| Outlet Female NPT Thread | Inlet Female NST (NH) Thread | Cast Brass Part # |
|---|---|---|
| 3" | 2-1/2" | CSSTF25F30T-P |
| | | CSSTF25F30T-C |
| | 3" | CSSTF30F30T-P |

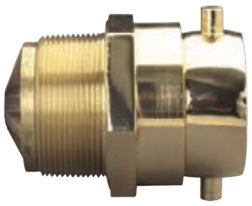
**Dimensions**




### Male Outlet

**Feature**
- Used when a direct connection to bodies is desired
- Finishes: -P polished, -C polished chrome plated

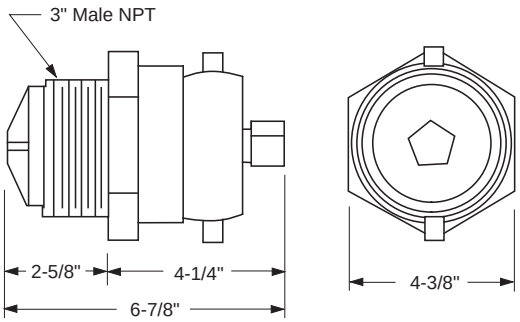
**Specification**
- Male NPT x 2-1/2" female hose thread to swivel



polished

| Outlet Male NPT Thread | Inlet Female NST (NH) Thread | Cast Brass Part # |
|---|---|---|
| 3" | 2-1/2" | CSSTM25F30T-P |
| | | CSSTM25F30T-C |
| | 3" | CSSTM30F30T-P |
| | | CSSTM30F30T-C |

**Dimensions**




NOTE: Under no circumstances should a check snoot be installed directly into a pipe,



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## Clapper Type Snoots - Pin Lug

**Feature**
- Other sizes and threads are available, consult Dixon® for information
- Finishes: -P polished, -C polished chrome plated

**Approval**
- UL listed

| Outlet Female NPT Thread | Inlet Female NST (NH) Thread | Cast Brass Part # |
|---|---|---|
| 3" | 2-1/2" | CSCTF25F30T-P |
| | | CSCTF25F30T-C |



polished chrome plated

| Outlet Male NPT | Inlet Female NST (NH) | Cast Brass Part # |
|---|---|---|
| 3" | 2-1/2" | CSCTM25F30T-P |
| | | CSCTM25F30T-C |



polished

## Wall Plate for Double Clapper Siamese Assemblies

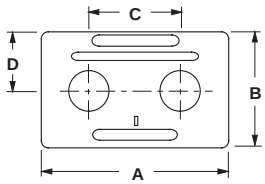
**Feature**
- 4-hole and 6-hole wall plates available, consult Dixon for information
- Finishes: -P polished, -C polished chrome plated

| Hole Size | Branding | Brass Part # |
|---|---|---|
| 3-3/8" | AutoSprinkler | WP2HAS-P |
| | | WP2HAS-C |
| | StandPipe | WP2HSP-P |
| | | WP2HSP-C |
| | AutoSprinkler StandPipe Combo | WP2H-ASSP-P |
| | | WP2H-ASSP-C |
| | Hydrant | WP2H-HY-P |
| | PumpTest | WP2H-PT-P |
| | | WP2H-PT-C |




**Dimensions**

| Hole Size | A | B | C | D |
|---|---|---|---|---|
| 3-3/8" | 14" | 8" | 7-5/8" | 4-15/16" |



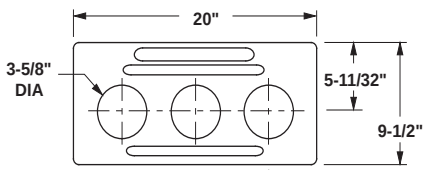

## Wall Plate for Concealed 3-Way Bodies

**Feature**
- 4-hole and 6-hole wall plates available, consult Dixon for information
- Finishes: -P polished, -C polished chrome plated

| Hole Size | Positioned | Branding | Brass Part # |
|---|---|---|---|
| 3-5/8" | Horizontal | AutoSprinkler | WP3HAS-P |
| | | | WP3HAS-C |
| | | StandPipe | WP3HSP-P |
| | | | WP3HSP-C |




**Dimensions**




N

## Double Clapper Concealed Type Siamese Assemblies




### Features
- Fully reversible with a perpendicular trunnion allowing one body to be installed for top and bottom connections
- Branded: 'standpipe', 'auto-spkr', 'auto-spkr-standpipe'
- Complete unit consisting of the following six parts: (1) 4025REV90, or 4030REV90, or 90CREV6025, (1) 24-385 plate, (2) 23-270 double female connections, (2) 17-127 plugs with chains
- Finishes: -P polished or -C polished chrome plated

### Specification
- Maximum operating pressure: **250 PSI**

### Approvals
- UL listed, FM approved

| Outlet Female NPT Thread | (2) Inlets Female NST (NH) Thread | Branding | Cast Brass Part # |
|---|---|---|---|
| 4" | 2-1/2" | AutoSprinkler | 2WCA4025F-P |
| | | StandPipe | 2WCA4025F-SP-P |
| | | AutoSprinkler | 2WCA4025F-C |
| | | StandPipe | 2WCA4025F-SP-C |
| | 3" | AutoSprinkler | 2WCA4030F-P |
| 6" | 2-1/2" | AutoSprinkler | 2WCA6025F-P |
| | | StandPipe | 2WCA6025F-SP-P |
| | | AutoSprinkler | 2WCA6025F-C |
| | | StandPipe | 2WCA6025F-SP-C |

NOTE: Other branding and finishes are also available, consult Dixon® for information

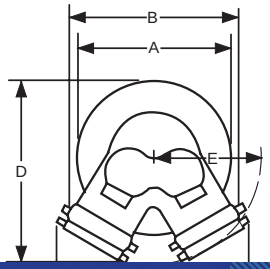
## 2-Way Sidewalk Siamese Assemblies



### Feature
- Complete unit consists of: (1) 21-133 90° Siamese body, double clapper, (2) 17-127 pin lug plugs with chains, (1) 23-404 sleeve, (1) 24-405 escutcheon plate
- Finishes: -P polished or -C polished chrome plated

### Approvals
- UL listed, FM approved

| Outlet Female NPT Thread | (2) Inlets Female Thread | Cast Brass Part # |
|---|---|---|
| 4" | 2-1/2" | 2WSA4025F |
| | | 2WSA4025F-SP |
| 6" | | 2WSA6025F |
| | | 2WSA6025F-SP |




### Dimensions

| Size | A | B | C | E | F |
|---|---|---|---|---|---|
| 4" x 2-1/2" x 2-1/2" | 9-1/4" | 10-3/8" | 10-3/4" | 10-3/8" | 6-5/8" |
| 6" x 2-1/2" x 2-1/2" | 11-1/4" | 10-1/2" | 11-3/4" | 13" | 7-1/4" |

NOTE: Some components UL listed/FM approved, not entire assembly



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## Single Inlet Residential Sprinkler Connection



**Application**
- Complete single inlet connection (exposed type) used on residential automatic sprinkler systems

**Feature**
- Complete unit consists of: (1) 17-127 1-1/2" pin lug plug with chain and (1) 24-209 4-7/16" O.D. round escutcheon plate with swivel

| Inlet Female NST (NH) Thread | Outlet Female NPT Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | RIC150F |

## Single Inlet Connections



**Features**
- Provides a complete exposed single inlet connection
- Complete unit consists of: (1) 24-209 round plate branded Auto Sprinkler, (1) 23-270 double female or 09-215 male and female connection, (1) 17-127 pin lug plug with chain
- Swivel end
- Finish: -P polished or -C polished chrome plated

**Specification**
- Rigid hexagon end of either connection is 2-1/2" NPT

| Inlet Female NST (NH) Thread | Outlet Female NPT Thread | Brass Part # |
|---|---|---|
| 2-1/2" | 2-1/2" | SIC250F |
| | | SIC250F-P |
| | | SIC250F-C |

## Single Hydrant Connection



**Feature**
- Complete unit consists of: (1) 24-209 round plate branded 'Wall Hydrant', (1) 23-272: 2-1/2" female and male connection, (1) 17-126 cap with chain
- Finish: -P polished or -C polished chrome plated

| Inlet Female NPT Thread | Outlet Male NST (NH) Thread | Cast Brass Part # |
|---|---|---|
| 2-1/2" | 2-1/2" | MOCA250F |

## Exposed 2-Way Wall Hydrants



**Features**
- DMOCA40225F consists of: (1) REP400HY round plate branded 'Wall Hydrant', (1) FRC4025F: 2-1/2" female and male connection, (2) FC250F cap with chain
- DMOCA60225F consists of: (1) REP600HY round plate branded 'Wall Hydrant' (1) FRC6025F: 2-1/2" female and male connection, (2) FC250F cap with chain
- Finish: -P polished or -C polished chrome plated

| Inlet Female NPT Thread | (2) Outlets Male NST (NH) Thread | Cast Brass Part # |
|---|---|---|
| 4" | 2-1/2" | DMOCA40225F |
| 6" | | DMOCA60225F |

## Round Identification Plates



REP250AS-C



REP250AS-P



REP400AS




**Application**
- Used to trim out and identify exposed fire department connections

**Size**
- For Siamese, made in 9-1/4" diameter for 4" pipe and 11-1/4" diameter for 6" pipe

**Feature**
- Finishes: -P polished, -C polished chrome plated

| Pipe Size | Branding | Cast Brass Part # |
|---|---|---|
| 2-1/2" | Auto-Sprinkler | REP250AS |
| | | REP250AS-P |
| | | REP250AS-C |
| | Wall Hydrant | REP250HY |
| | Pump Test | REP250PT |
| | Standpipe | REP250SP |
| | | REP250SP-P |
| | | REP250SP-C |
| 4" | Auto-Sprinkler | AREP400AS[1] |
| | | REP400AS |
| | | REP400AS-P |
| | | REP400AS-C |
| | Wall Hydrant | REP400HY |
| | Standpipe | REP400SP |
| | | REP400SP-P |
| | | REP400SP-C |
| | Auto-Sprinkler & Standpipe | REP400AS/SP |
| 6" | Auto-Sprinkler | REP600AS |
| | | REP600AS-P |
| | | REP600AS-C |
| | Standpipe | REP600SP |
| | | REP600SP-P |
| | | REP600SP-C |

[1] Aluminum

### Dimensions

| Size | O.D. | Hole Size |
|---|---|---|
| 2-1/2" | 7-5/8" | 3-1/4" |
| 4" | 9-1/4" | 4-5/8" |
| 6" | 11-1/4" | 6-3/4" |

## British Instantaneous Fittings

**Feature**
- Polished finish

**Approval**
- Meets BS336 specifications

### Female x Female Threads

| Female BRIT Thread | Female Thread | Brass Part # |
|---|---|---|
| 2-1/2" | 2-1/2" NST (NH) | BID250F |
| | 2-1/2" NPT | BID250T |



### Female x Male Threads

| Female BRIT Thread | Male Thread | Brass Part # |
|---|---|---|
| 2-1/2" | 2-1/2" NST (NH) | BIB250F |
| | 2-1/2" NPT | BIB250T |



### Male x Female Threads

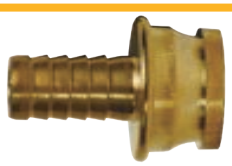
| Male BRIT Thread | Female Thread | Brass Part # |
|---|---|---|
| 2-1/2" | 2-1/2" NST (NH) | BIA250F |
| | 2-1/2" NPT | BIA250T |



### Male x Male Threads

| Male BRIT Thread | Male Thread | Brass Part # |
|---|---|---|
| 2-1/2" | 2-1/2" NST (NH) | BIF250F |
| | 2-1/2" NPT | BIF250T |




BIE150


BIC150





## British Instantaneous Fittings

### Hose Shanks

| Size | Brass Part # |
|---|---|
| 2-1/2" male BRIT x 1-1/2" hose shank | BIE150 |
| 2-1/2" male BRIT x 2-1/2" hose shank | BIE250 |
| 2-1/2" female BRIT x 1-1/2" hose shank | BIC150 |
| 2-1/2" female BRIT x 2-1/2" hose shank | BIC250 |

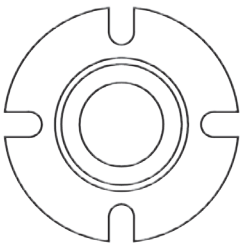
### Plug

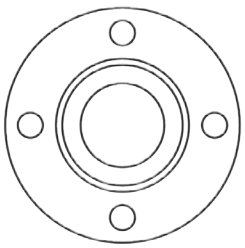
| Size | Brass Part # |
|---|---|
| 2-1/2" | BIDP250 |

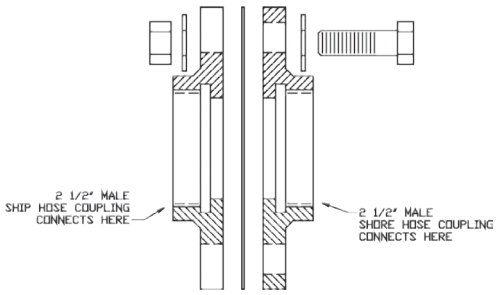
### Cap

| Size | Brass Part # |
|---|---|
| 2-1/2" | BIDC250 |

## International Shore Connections


ship connection
09-319


shore connection
09-318




**Size**
- 7" O.D. brass flange with 4-3/4" holes


shore side

**Applications**
- Makes possible the connection of two different threads between ship and shore or between ships

**Feature**
- Includes 8 washers, 4 hexagon brass nuts, 4 hex head bolts, 1 washer, 1 fiber gasket

**Specifications**
- Working pressure: **300 PSI**
- NST (NH) threads standard, also available in NPT and NYFD threads



**Approval**
- Meets U.S. Coast Guard specifications for vessels 1000 gross tons or more

| Description | Brass Part # |
|---|---|
| shore side | 09-318-00001 |



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## Pick Head Fire Axes



**Size**
- 36" hickory handle

**Feature**
- Red trim

**Approval**
- Listed in the minimum requirements approval guides for outfitting hose houses and hose cabinets by insurance underwriters



| Description | Part # |
|---|---|
| 6 lb. axe | PHFA6 |
| axe brackets | PHFA-B-A |

## Sprinkler Line Tester

**Application**
- Installs on the last sprinkler head on system branch lines and controls water flow for flushing or testing the system



| Inlet | Outlet | Brass Part # |
|---|---|---|
| 1" female NPT | 1" male NPSH | SLT10050 |



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# Domestic Cast Angle Valves

**Material**
- Aluminum hand wheel

**Specification**
- Working pressure: **300 PSI** at **70°F (21°C)**

**Approal**
- UL listed and FM approved



## Female x Male

| Inlet Female NPT | Outlet Male Thread | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" NST (NH) | AV150 |
| | 1-1/2" NPSH | AV150S |
| | 1-1/2" NPT | AV150T |
| 2-1/2" | 2-1/2" NST (NH) | AV250 |
| | 2-1/2" NYFD | AV250NYFD[1] |

[1] Supplied with red hand wheel



## Female x Female

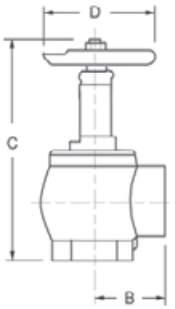
| Inlet Female NPT | Outlet Female NPT | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | AVF150 |
| 2-1/2" | 2-1/2" | AVF250 |

N

## Replacement Parts

| Description | Part # |
|---|---|
| aluminum handwheel for 1-1/2" valve | AV150-W |
| aluminum handwheel for 2-1/2" valve | AV250-W |
| handwheel nut for 1-1/2" valve | AV150-N |
| handwheel nut for 2-1/2" valve | AV250-N |
| valve seal rubber for 1-1/2" valve | AV150-RBR |
| valve seal rubber for 2-1/2" valve | AV250-RBR |




## Dimensions

| Size | A | B | C closed | C open | D | F |
|---|---|---|---|---|---|---|
| 1-1/2" | 2-11/64" | 2-7/32" | 6-5/8" | 7-21/32" | 3-3/4" | 2-13/16" |
| 2-1/2" | 3-3/16" | 3-3/16" | 9-1/4" | 11" | 5" | 3-19/32" |

## Grooved Angle Valves

### Application
- Commercial fire protection

### Features
- Easy for contractor to install
- Groove inlet
- Made in the USA



### Material
- Nitrile rubber gasket

### Specification
- Working pressure: **300 PSI** at **70°F (21°C)**

### Approvals
- UL listed, FM approved, ULC approved

| Description | Cast Brass Part # |
|---|---|
| groove x male | AVG250F |
| groove x groove | AVG250G |
| groove x female | AVGF250 |

## 500# Angle Hose Valves

### Applications
- Fire department, gravity and pressure tank connections, test connections, and public water supplies to sprinkler and standpipe systems where it is necessary to access the system for a fire hose connection

### Feature
- Red handwheel

### Specifications
- Designed and approved to manage **500 PSI** pressures in piping systems
- Maximum operating pressure: **500 PSI** at **70°F (21°C)**

### Approvals
- FM approved
- New York City Board of Standards and Appeals, approval # MEA 54-07-E



**Female x Male**

| Inlet Female NPT | Outlet Male Thread | Cast Brass Part # |
|---|---|---|
| 2-1/2" | 2-1/2" NST (NH) | AV5-250F |
| | 2-1/2" NYFD | AV5-250NYFD |



**Female x Female**

| Inlet Female NPT | Outlet Female NPT | Cast Brass Part # |
|---|---|---|
| 2-1/2" | 2-1/2" | AVF5-250 |

# Global Cast Angle Valves

### Features
- Available finishes:
  - cast (standard)
  - polished: -P
  - chrome: -C
  - minimum quantity for special thread, consult Dixon®

### Material
- Aluminum handwheel

### Specifications
- NPT inlet thread only
- Working pressure: **300 PSI** at **70°F (21°C)**

### Approvals
- UL listed and FM approved
- New York City Board of Standards and Appeals, approval # MEA 54-07-E



## Female Inlet

| Inlet Female NPT | Outlet Male Thread | Cast Yellow DZR Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" male NST (NH) | AV150-I |
| 2-1/2" | 2-1/2" male NST (NH) | AV250-I |
| | 2-1/2" MNYFD | AV250NYFD-I |

## Double Female



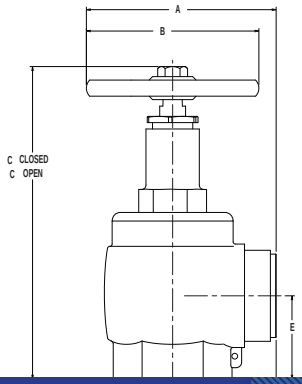
### Features
- Available finish:
  - cast (standard)
  - polished = -P
  - chrome = -C

### Material
- Aluminum handwheel

### Specifications
- NPT inlet and outlet
- Working pressure: **300 PSI** at **70°F (21°C)**

### Approval
- New York City Board of Standards and Appeals, approval # MEA 54-07-E

| Inlet Female NPT | Outlet Female NPT | Cast Yellow DZR Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | AVF150-I |
| 2-1/2" | 2-1/2" | AVF250-I |




## Dimensions

| Size | A | B | C closed | C open | D | E | Wt. in Lbs. |
|---|---|---|---|---|---|---|---|
| 1-1/2" | 4.13" | 3.75" | 6.80" | 7.78" | 2.25" | 1.81" | 4.4 |
| 2-1/2" | 5.69" | 5.00" | 9.00" | 10.72" | 3.19" | 2.59" | 9.5 |



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# Global Forged Angle Hose Valves

## Application
- To be used with a fire hose rack assembly; or as a fire department outlet connection

## Features
- Red steel handwheel
- Polished or chrome plated parts with other outlet threads are also available, consult Dixon® for information

## Specification
- Maximum operating pressure: **300 PSI** at **70°F (21°C)**

## Approvals
- UL listed and FM approved

### Female x Male

| Inlet Female NPT | Outlet Male Thread | Forged Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" NST (NH) | AV151 |
| 2-1/2" | 2-1/2" NST (NH) | AV251 |
| | 2-1/2" NYC | AV251NYC |
| | 2-1/2" NYFD | AV251NYFD |



### Female x Female

| Inlet Female NPT | Outlet Female NPT | Forged Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | AVF151 |
| 2-1/2" | 2-1/2" | AVF251 |



N

### Replacement Parts

| Description | Part # |
|---|---|
| handwheel for 1-1/2" valve | AV151-WR |
| handwheel for 2-1/2" valve | AV251-WR |
| handwheel nut for 1-1/2" and 2-1/2" valve | AV251-N |
| valve seal rubber for 1-1/2" valve | AV151-RBR |
| valve seal rubber for 2-1/2" valve | AV251-RBR |



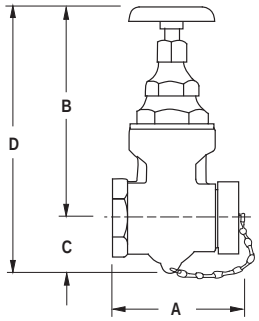
handwheel nut



valve seal








2½"

## Non-Rising Stem Wedge Disc Gate Valves

### Features
- Cap not included on the NYFD threaded valve and special threaded valves
- Solid wedge disc with tapered seats
- Other configurations are available, contact Dixon® for additional information

### Materials
- Red iron handwheel, with brass cap and chain

### Specification
- Working pressure: **300 PSI** at **70°F (21°C)**

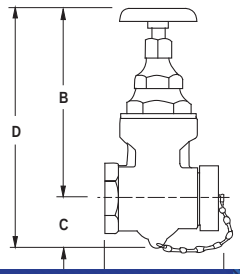
### Approvals
- 2-1/2" UL listed, FM approved, ULC approved

| Inlet Female NPT | Outlet Male Thread | UL Listed | Cast Brass Part # |
|---|---|---|---|
| 1-1/2" | 1-1/2" NST (NH) | no | WDGV150F |
| 2-1/2" | 2-1/2" NST (NH) | yes | WDGV250F |
| | 2-1/2" NYFD | | WDGV250NYFD |

**Dimensions**

| Size | A | B | C | D |
|---|---|---|---|---|
| 1-1/2" | 3-49/64" | 5-5/8" | 1-1/8" | 6-3/8" |
| 2-1/2" | 6" | 10-3/4" | 2-1/2" | 13-1/4" |






## Global Non-Rising Stem Wedge Disc Gate Valves

### Features
- Available finishes:
  - cast (standard)
  - polished trim - P
  - cast chrome - RC
  - polished chrome trim - C
- Custom male thread available
- Non-rising stem

### Materials
- Cast brass with solid wedge disc and tapered seats
- Red iron wheel handle with cap and chain (cap not supplied on non-standard threads)
- Alloy = DZR brass
- Furnished with 2-1/2" NST brass cap and chain

### Specification
- Working pressure: **300 PSI** (**2069 kPa**)

### Approvals
- UL listed and FM approved

| Inlet Female NPT | Outlet Male NST | UL Listed | Cast DZR Brass Part # |
|---|---|---|---|
| 2-1/2" | 2-1/2" | yes | GWDGV250F |

**Dimensions**

| Size | A | B | C | D |
|---|---|---|---|---|

## Non-Rising Stem Wedge Disc Gate Valves

### Application
- For use on standpipes, fire pumps, and hydrants



### Features
- Satin finish
- Red handwheel
- Solid wedge disc with tapered seats
- Straightway pattern

### Specification
- Working pressure: **300 PSI** at **70°F (21°C)**

### Approvals
- UL listed and FM approved

| Inlet Female NPT | Outlet Male NST (NH) | Forged Brass Part # |
|---|---|---|
| 2-1/2" | 2-1/2" | WDGV251F |
| 3" | | WDGV3025F |

## Rising Stem Wedge Disc Gate Valves

### Features
- Solid wedge disc with tapered seats
- Not recommended for wet standpipe systems, use AV250 (18-157) for this purpose, see page 852
- Other configurations are available, contact Dixon® for additional information

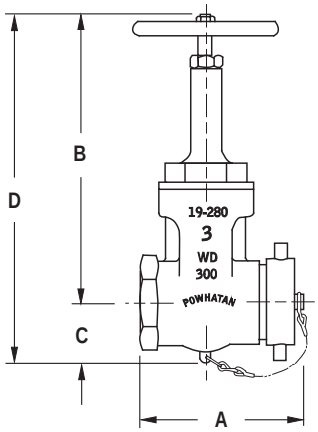


### Materials
- Red iron handwheel, with brass cap and chain

| Inlet Female NPT | Outlet Male | Working Pressure PSI | UL Listed | Cast Brass Part # |
|---|---|---|---|---|
| 2-1/2" | 2-1/2" NST (NH) | **200** | no | RWDGV250F |
| 3" | | **300** | yes | RWDGV3025F |

N

### Dimensions




| Size | A | B closed | C | D closed | D open |
|---|---|---|---|---|---|
| 2-1/2" | 6-1/2" | 11 | 2-1/2" | 13-1/2" | 16-1/4" |
| 3" x 2-1/2" | 6-3/16" | | | | |

## Single Hydrant Gate Valves with Hand Wheel





**Applications**
- Used to throttle the flow from a fire hydrant preventing damage to the hydrant
- For use on standpipes and fire pumps where UL listing is required

**Features**
- O-ring seal
- Other configurations are available, contact Dixon® for additional information

**Specification**
- Maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**

**Approval**
- UL listed

| Inlet Female | Outlet Male | Cast Red Brass Part # |
|---|---|---|
| 2-1/2" NST (NH) | 2-1/2" NST (NH) | UHGV250F |
| | | UHGV250F-D |

**Replacement Part**

| Description | Part # |
|---|---|
| handwheel | UHGV250-W |

## Single Hydrant Gate Valves with Speed Handle

**Applications**
- Used to throttle the flow from a fire hydrant preventing damage to the hydrant
- For use on hydrants, standpipes, and fire pumps

**Feature**
- Other configurations are available, contact Dixon for additional information

**Materials**
- Pin lug swivel, non-rising stem, aluminum speed handle
- Rubber seal

**Specification**
- Maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**



| Inlet Female | Outlet Male | Cast Red Brass Part # |
|---|---|---|
| 2-1/2" NST (NH) | 2-1/2" NST (NH) | HGV250F |
| | | HGV250F-D |
| | 2-1/2" NPSH | HGV250 |



**Replacement Part**

| Description | Aluminum Part # |
|---|---|
| speed handle | HGV250-H |

## Single Hydrant Gate Valves with Handwheel

**Applications**
- Protects fire hydrants from damage that can occur if they are used for throttling
- For use on hydrants, standpipes, and fire pumps

**Materials**
- Pin lug swivel, non-rising stem, red handwheel
- Metal to metal seal

**Specification**
- Maximum operating pressure: **300 PSI** (water only) at **70°F (21°C)**

**Approval**
- UL listed



| Inlet Female | Outlet Male | Forged Brass Part # |
|---|---|---|
| 2-1/2" NST (NH) | 2-1/2" NST (NH) | HGVW250F |

**Replacement Part**



| Description | Part # |
|---|---|
| handwheel | HGVW250-W |

## Hydrant Gate Valves with Speed Handle

**Application**
- Protects fire hydrants from damage that can occur if they are used for throttling

**Size**
- Full 2-1/2" waterway

**Material**
- Anodized throughout - minimum thickness 0.001"

**Specification**
- Test pressure: **250 PSI**,
- Working pressure: **100 PSI** at **70°F (21°C)**



| Inlet Female Swivel | Outlet Male | Aluminum Alloy, 356-T6 Part # |
|---|---|---|
| 2-1/2" NPSH | 2-1/2" NPSH | AHGV250 |
| 2-1/2" NST (NH) | 2-1/2" NST (NH) | AHGV250F |

**Replacement Parts**

| Description | Part # |
|---|---|
| handwheel and knob | HGV-HDWHL |
| knob only | HGV-KNOB |



handwheel and knob

## Global Hydrant Gate Valves with Speed Handle

**Application**
- Protects fire hydrants from damage that can occur if they are used for throttling

**Materials**
- Pin lug swivel, non-rising stem, aluminum speed handle
- Non-metalic seal

**Specification**
- Maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**



| Inlet Female NST (NH) | Outlet Male NST (NH) | Aluminum Alloy Part # |
|---|---|---|
| 2-1/2" | 2-1/2" | AHGV250F-I |

**Replacement Part**



| Description | Aluminum Part # |
|---|---|
| speed handle | AHGV250F-H |



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# Large Diameter (LDH) Gate Valves

**Application**
- Used on the suction intake and discharge sides of a pumper or on a hydrant

**Size**
- 4-1/2" minimum waterway

**Features**
- 30° elbow needs only eight easy turns to open and close
- Non-rising stem, with an air bleed off

**Material**
- Finish anodized throughout - minimum thickness 0.001"

**Specification**
- Maximum operating pressure: **280 PSI** at **70°F (21°C)**, without relief valve



## Storz x Storz

| Inlet Storz | Outlet Storz | Length | Width | Height | Aluminum Alloy, 356-T6 Part # |
|---|---|---|---|---|---|
| 4" | 4" | 9" | 6-1/4" | 19-1/2" | SGV440 |
| | 5" | | 7-3/4" | | SGV450 |
| 5" | 4" | 9" | 7-3/4" | 19-1/2" | SGV540 |
| | 5" | | | | SGV550 |

NOTE: All measurements include handles



## Storz x Storz 30° with Air Bleeder

| Inlet Storz | Outlet Storz | Length | Width | Height | Aluminum Alloy, 356-T6 Part # |
|---|---|---|---|---|---|
| 4" | 4" | 9" | 6-1/4" | 20.0" | SGV30-440 |
| | 5" | | 7-3/4" | | SGV30-450 |
| 5" | 4" | 9" | 7-3/4" | 20.0" | SGV30-540 |
| | 5" | | | | SGV30-550 |

NOTE: All measurements include handles



## Storz x Female Swivel

| Inlet Storz | Outlet Female NST Swivel | Length | Width | Height | Aluminum Alloy, 356-T6 Part # |
|---|---|---|---|---|---|
| 4" | 4" | 9" | 6" | 19-1/2" | FSGV440F |
| | 4-1/2" | | 6-1/2" | | FSGV445F |
| | 5" | | 7" | | FSGV450F |
| | 6" | | 8" | | FSGV460F |
| 5" | 4" | 9" | 6" | 19-1/2" | FSGV540F |
| | 4-1/2" | | 6-1/2" | | FSGV545F |
| | 5" | | 7" | | FSGV550F |
| | 6" | | 8" | | FSGV560F |



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## Wharf Hydrants

### Application
- Used to provide a fire department outlet connection

### Features
- Pentagon nut at top of spindle discourages unauthorized use
- Hydrostatically tested

### Specification
- Maximum operating pressure: **300 PSI** at **70°F (21°C)**

| Inlet Female NPT | Outlet Male NST (NH) | Height Open | Height Closed | Cast Brass Part # |
|---|---|---|---|---|
| 3" | 2-1/2" | 16.38 | 14.25 | WHYD3025F |
| 4" | 2-1/2" | 16.38 | 14.25 | WHYD4025F |
| | 4-1/2" | 18.13 | 15.63 | WHYD4045F |



### Replacement Parts

| Description | Part # |
|---|---|
| optional hand wheel | 46-030-00025 |
| pentagon hex nut | 44-251-00006 |



hand wheel



pentagon hex nut

## Forestry Grade 1/4 Turn Ball Type Wye Valves

### Material
- Cast aluminum swivel inlet, anodized body, hard-coated threads

### Specification
- 1" and 1-1/2" for use up to **600 PSI** (water/AFFF only); 2-1/2" for use up to **400 PSI** (water/AFFF only)

### Approval
- Built to U.S. Forest Service specifications

| Female Thread | (2) Male Threads | Cast Aluminum Part # |
|---|---|---|
| 1" NPSH | 1" NPSH | FWV10S10S |
| 1-1/2" NPSH | 1-1/2" NPSH | FWV15S15S |
| 1-1/2" NST (NH) | 1-1/2" NST (NH) | FWV15F15F |
| 2-1/2" NST (NH) | 1-1/2" NST (NH) | FWV25F15F |
| | 2-1/2" NST (NH) | FWV25F25F |



1" - 1-1/2"



2-1/2"

## 1/4 Turn Ball Type Wye Valve



**Features**
- Rocker lug swivel
- Operates easily under high pressure
- Handles are not field replaceable
- Seals on the ball are field adjustable and field replaceable

**Specification**
- Maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**

**Approval**
- Meets NSN specifications # 4210-00-255-0234

| Inlet Female | (2) Outlets Male | Cast Brass Part # |
|---|---|---|
| 2-1/2" NST (NH) | 1-1/2" NPSH | S7337S |

## Full Flow 1/4 Turn Ball Type Wye Valves

**Application**
- Recommended for charged pre-connected hose lines



**Features**
- Pin lug swivel
- Other configurations are available, contact Dixon® for additional information

**Specification**
- Maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**

| Inlet Female Swivel | (2) Outlets Male | Cast Brass Part # |
|---|---|---|
| 1-1/2" NPSH | 1-1/2" NPSH | S7100-15S |
| 1-1/2" NST (NH) | 1-1/2" NST (NH) | S7100-15 |
| 2-1/2" NST (NH) | | S7100 |

## Leader Line 1/4 Turn Ball Type Wye Valve



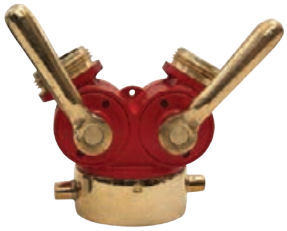


**Feature**
- Body painted red with chrome trim

**Specification**
- Maximum operating pressure: **400 PSI** (water only) at **70°F (21°C)**

| Inlet Female NST (NH) | (2) Outlets Male NST (NH) | Brass Part # |
|---|---|---|
| 2-1/2" | 1-1/2" | LLBV2515F |

## 1/4 Turn Plug Type Wye Valves



**Features**
- Pin lug swivel
- Not recommended for charged pre-connected hose ⚠

**Specification**
- Maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**

| Inlet Female NST (NH) | (2) Outlets Male | Cast Brass Part # |
|---|---|---|
| 2-1/22 | 1-1/2" NST (NH) | S6175 |
| | 1-1/2" NPSH | S6175S |

## 2-Way Ball Valves



1-1/2"



2-1/2"



3" - 6"

| Inlet Female Swivel | (2) Outlet Male | Aluminum Part # |
|---|---|---|
| 1-1/2" NST (NH) | 1-1/2" NST (NH) | FMBV15F15F |
| 1-1/2" NPSH | 1-1/2" NPSH | FMBV15S15S |
| 2-1/2" NST (NH) | 1-1/2" NST (NH) | FMBV25F15F |
| | 2-1/2" NST (NH) | FMBV25F25F |
| 4" NST (NH) | 2-1/2" NST (NH) | FMBV40F25F |
| 4-1/2" NST (NH) | 2-1/2" NST (NH) | FMBV45F25F |

## Plain Wyes with Pin Lugs

**Features**

- Divides one stream into two
- Other configurations are available, contact Dixon® for additional information



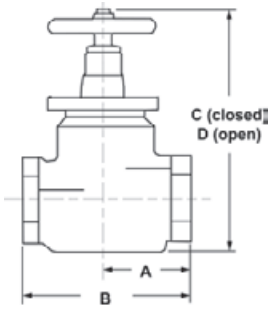
| Inlet Female | (2) Outlets Male | Cast Brass Part # |
|---|---|---|
| 1-1/2" NST (NH) | 1-1/2" NST (NH) | PW15F15F |
| 1-1/2" NPSH | 1-1/2" NPSH | PW15S15S |
| 2-1/2" NST (NH) | 1-1/2" NST (NH) | PW25F15F |
| | 2-1/2" NST (NH) | PW25F25F |

N

## Straight Globe Valves








**Applications**
- Used with a fire hose rack assembly, or as a fire department outlet connection
- Ideal for wet and combination systems

**Material**
- Aluminum handwheel

**Specification**
- Maximum operating pressure: **300 PSI** at **70°F (21°C)**

### Female x Male

| Inlet Female NPT | Outlet Male NST (NH) | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | SGV150F |
| 2-1/2" | 2-1/2" | SGV250F |

### Female x Female

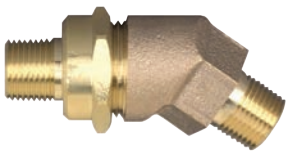
| Inlet Female NPT | Outlet Female NPT | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | SGVF150 |
| 2-1/2" | 2-1/2" | SGVF250 |

### Dimensions

| Size | A | B | C closed | D open |
|---|---|---|---|---|
| 1-1/2" | 2-3/8" | 4-3/4" | 7-1/4" | 8" |
| 2-1/2" | 3-9/32" | 6-9/16" | 7-3/8" | 8-1/8" |

## Angled Ball Drip Valves





**Feature**
- Seals automatically under pressure

**Specifications**
- Installed horizontally, the ball seats at approximately **8-10 PSI**
- Working pressure: **175 PSI** at **70°F (21°C)**

| Male NPT | Male NPT | Brass Part # |
|---|---|---|
| 1/2" | 1/2" | ASBDV50 |
| 3/4" | 3/4" | ASBDV75 |

## Straight Ball Drip Valves



**Application**
- Designed to drain the low point of a system

**Features**
- Place valve between a fire department connection and a swing check valve
- Seals automatically under pressure
- Install horizontally

**Specification**
- Working pressure: **175 PSI** at **70°F (21°C)**

| Male NPT | Male NPT | Brass Part # |
|---|---|---|
| 1/2" | 1/2" | SBDV50 |

DIXON
The Right Connection®

# Factory Set Pressure Reducing Brass Angle Valves

c UL us LISTED

## Features

- True combination shut-off and pressure reducing valves
- Female x female valves have an open / closed indicator bonnet for confirmation of status
- Tamper resistant and automatic
- Available with a tamper proof switch
- All debris must be flushed from the system prior to being placed into service
- Complete switch, bracket, and housing available for field mounting; consult Dixon® for price and availability
- Other configurations are available, contact Dixon for additional information

## Specification

- 1-1/2" reduces inlet pressure of **300 PSI** (**2069 kPa**) or less to working pressures of **10** through **175 PSI** (**69-1207 kPa**); 2-1/2" reduces inlet pressures of **400 PSI** (**2758 kPa**) or less to working pressures of **20** - **175 PSI** (**138-1207 kPa**) under discharge or static conditions

## Approvals

- UL listed for Automatic Sprinkler Systems as floor or zone control valves
- Standpipe Systems, Class I, II and III
- Automatic Check Valve for Dual Riser Systems
- Approved by New York City Board of Standards and Appeals, approval # MEA 54-07-E
- Approved by City of Los Angeles and the City of San Francisco (ULC 2½")

### Female x Male

| Inlet Female NPT | Outlet Male NST (NH) | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | NAPRAV150F-15 |
| | | NAPRAV150F-20 |
| | | NAPRAV150F-25 |
| | | NAPRAV150F-30 |
| | | NAPRAV150F-35 |
| 2-1/2" | 2-1/2" | NAPRAV250F-55 |
| | | NAPRAV250F-60 |
| | | NAPRAV250F-65 |
| | | NAPRAV250F-70 |
| | | NAPRAV250F-75 |
| | | NAPRAV250F-80 |



### Female x Female

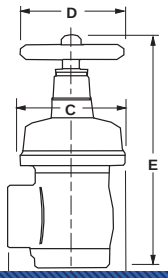
| Inlet Female NPT | Outlet Female NPT | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | NAPRAVF150-15 |
| | | NAPRAVF150-20 |
| | | NAPRAVF150-25 |
| | | NAPRAVF150-30 |
| | | NAPRAVF150-50 |
| 2-1/2" | 2-1/2" | NAPRAVF250-55 |
| | | NAPRAVF250-60 |
| | | NAPRAVF250-65 |
| | | NAPRAVF250-70 |
| | | NAPRAVF250-75 |
| | | NAPRAVF250-80 |




N

### Dimensions

| Size | A | B | C | D | E closed | E open |
|---|---|---|---|---|---|---|
| 1-1/2" | 2-7/32" | 4-5/32" | 3-7/8" | 3-3/4" | 9-25/64" | 8-53/64" |



# Factory Set Pressure Reducing Brass Standard Globe Valve

**Approval**
- UL listed



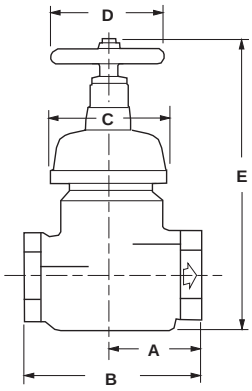
### Female x Female

| Inlet Female NPT | Outlet Female NPT | Cast Brass Part # |
|---|---|---|
| 2-1/2" | 2-1/2" | NAPRVF250-55 |
| | | NAPRVF250-60 |
| | | NAPRVF250-65 |
| | | NAPRVF250-70 |
| | | NAPRVF250-75 |
| | | NAPRVF250-80 |



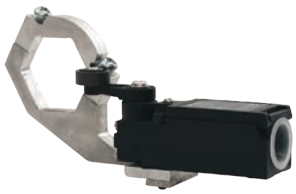
### Grooved x Grooved

| Inlet Grooved | Outlet Grooved | Cast Brass Part # |
|---|---|---|
| 2-1/2" | 2-1/2" | NAPRVGT250-55 |
| | | NAPRVGT250-60 |
| | | NAPRVGT250-65 |
| | | NAPRVGT250-70 |
| | | NAPRVGT250-75 |




### Dimensions

| Size | Style | A | B | C | D | E closed | E open |
|---|---|---|---|---|---|---|---|
| 2-1/2" | NPT grooved | 3-7/8" | 7-3/4" | 5-3/4" | 5-3/4" | 12-3/4" | 12-13/16" |
| | | 4-3/8" | 8-3/4" | | | | |



### Accessories

| Description | Part # |
|---|---|
| 2-1/2" tamper switch bracket kit (bonnet, nut, switch, bracket) | 4201901587 |
| switch bracket only | 18-458-00017 |
| replacement handles for 1-1/2" valves | AV150-W |
| replacement handles for 2-1/2" valves | 46-030-00025 |



GOODYEAR RUBBER PRODUCTS, INC.
727-342-5088
You can also email us at GRP@goodyearrubberproducts.com

# Factory Set Pressure Reducing (regulating) Valves

**Feature**
- (4) drilled and tapped bosses:
  - two on each side for upstream and downstream pressure monitoring
  - saves installation time and provides a cleaner appearance
- Tamper switch available

**Specification**
- 2-1/2" size reduces inlet pressures of **400 PSI** (**2758 kPa**) or less to desired working pressures from **20** - **175 PSI** (**138**-**1207 kPa**) under discharge or static conditions

**Approval**
- UL listed

## Angle Grooved x Grooved

| Inlet Grooved | Outlet Grooved | Cast Brass Part # |
|---|---|---|
| 2-1/2" | 2-1/2" | NAPRAVGT250-55 |
| | | NAPRAVGT250-60 |
| | | NAPRAVGT250-65 |
| | | NAPRAVGT250-70 |
| | | NAPRAVGT250-75 |
| | | NAPRAVGT250-80 |
| | | NAPRAVGT250-85 |
| | | NAPRAVGT250-95 |



## Angle Grooved x Female

| Inlet Grooved | Outlet Female NPT | Cast Brass Part # |
|---|---|---|
| 2-1/2" | 2-1/2" | NAPRAVGFT250-55 |
| | | NAPRAVGFT250-60 |
| | | NAPRAVGFT250-65 |
| | | NAPRAVGFT250-70 |
| | | NAPRAVGFT250-75 |
| | | NAPRAVGFT250-80 |
| | | NAPRAVGFT250-85 |
| | | NAPRAVGFT250-95 |



## Globe Female x Female

| Inlet Female NPT | Outlet Female NPT | Cast Brass Part # |
|---|---|---|
| 2-1/2" | 2-1/2" | NAPRVFT250-55 |
| | | NAPRVFT250-60 |
| | | NAPRVFT250-65 |
| | | NAPRVFT250-70 |
| | | NAPRVFT250-75 |
| | | NAPRVFT250-80 |
| | | NAPRVFT250-85 |

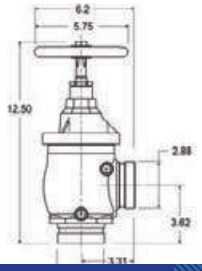


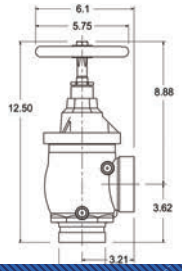
## Globe Grooved x Grooved

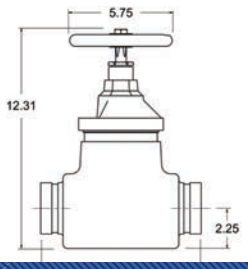
| Inlet Grooved | Outlet Grooved | Cast Brass Part # |
|---|---|---|
| 2-1/2" | 2-1/2" | NAPRVGT250-55 |
| | | NAPRVGT250-60 |
| | | NAPRVGT250-65 |
| | | NAPRVGT250-70 |
| | | NAPRVGT250-75 |
| | | NAPRVGT250-80 |
| | | NAPRVGT250-85 |



## Dimensions

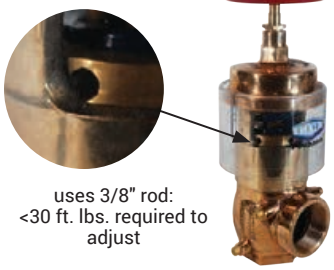



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## Field Adjustable Pressure Reducing Valves




### Features
- 3/8" adjusting rod included
- Allows flexibility during installation with the ability to adjust settings once installed as hydraulic conditions change

### Specifications
- Used in applications where the inlet pressure is greater than **175 PSI**
- 1/4" NPT gauge ports - both sides, drilled and tapped standard

### Approval
- UL listed



### Angle Valves

| Inlet | Outlet | Cast Brass Part # |
|---|---|---|
| 2-1/2" FNPT | 2-1/2" MNST | FAPRAV250F |
| | 2-1/2" FNPT | FAPRAVF250 |
| 2-1/2" groove | 2-1/2" MNST | FAPRAVG250F |
| | 2-1/2" groove | FAPRAVG250G |



### Straight Valves

| Inlet | Outlet | Cast Brass Part # |
|---|---|---|
| 2-1/2" groove | 2-1/2" groove | FAPRVG250 |
| 2-1/2" FNPT | 2-1/2" FNPT | FAPRVF250 |



### Replacement Parts

| Description | Cast Iron Part # |
|---|---|
| handwheel | 46-030-00025 |

### Setting Instructions
1. Determine desired outlet pressure for known inlet pressure.
2. Remove the tamper-resistant screw and slide the plastic cover up to access the adjusting nut.
3. Use a 3/8" diameter rod in any one of the six holes in the adjusting nut and rotate counter clockwise to increase the pressure at the outlet.
4. Check valve under pressure under static and under the anticipated flowing conditions to ascertain that the setting produces the expected results.

N

## Adjustable Pressure Restricting Devices



### Application
- For installation on Class I or Class III standpipe system hose outlets

### Feature
- Device restricts pressure in the piping system to such a degree that hose lines can be handled by persons untrained in the handling of heavy fire streams

### Specification
- Working pressure: **175 PSI** at **70°F (21°C)**

### Approvals
- New York City Board of Standards and Appeals, approval # MEA 54-07-E
- 2-1/2" UL listed, ULC approved

| Female Thread | Male Thread | UL Listed | Cast Brass Part # |
|---|---|---|---|
| 1-1/2" NST (NH) | 1-1/2" NST (NH) | no | APRD150F |
| 2-1/2" NST (NH) | 2-1/2" NST (NH) | yes | APRD250F |

## Domestic Adjustable Pressure Restricting Angle Valves

### Application
- Used where flowing water pressure needs to be controlled

### Features
- Restricting valve has no effect on the static pressure of a system
- Can be manually bypassed if required by opening the valve fully, this is accomplished by breaking the breakable link, which allows the valve stem to rise to the full open position
- Breakable link also serves as an indication of valve condition and status; if valve is opened without breaking the link it will resume its previous position and no resetting is necessary
- Restricts only under flow conditions
- Setting charts are packed with valve
- Aluminum handwheel
- Other configurations are available, contact Dixon® for additional information

### Specifications
- Maximum operating pressure: up to **175 PSI**
- Preset orifices restrict the volume of water thereby lowering the pressure of the flowing water; NFPA requires restricting valves where inlet pressure exceeds **100 PSI**
- Restricts inlet pressure from **70 PSI** up to a maximum of **175 PSI**
- Restricts down to outlet pressures of **65, 80, or 100 PSI**, outlet pressures may be set below **65 PSI** when authorized by the local authority having jurisdiction

### Approvals
- UL listed
- New York City Board of Standards and Appeals, approval # MEA 54-07-E



**Female x Male**

| Inlet Female NPT | Outlet Male NST (NH) | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | AVAPR150F |
| 2-1/2" | 2-1/2" | AVAPR250F |



**Female x Female**

| Inlet Female NPT | Outlet Female NPT | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | AVAPRF150 |
| 2-1/2" | 2-1/2" | AVAPRF250 |

## Global Adjustable Pressure Restricting Angle Valves

N

### Application
- Used when flowing water pressure needs to be controlled

### Features
- Restricting valve has no effect on the static pressure of a system
- Restricting device can be manually bypassed if required by opening the valve fully: pull the pin allowing the yoke to fall back from the valve stem, which allows valve to be fully opened. When valve needs to be restricted again, slide the yoke back into place to be NFPA compliant

### Specification
- Preset orifices restrict the volume of water, thereby lowering the pressure of the flowing water; NFPA requires restricting valves where inlet pressure exceeds **100 PSI**



**Female x Male**

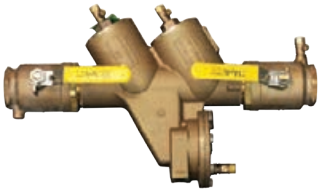
| Inlet Female NPT | Outlet Male NST (NH) | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | AVAPR150F-I |
| 2-1/2" | 2-1/2" | AVAPR250F-I |



**Female x Female**

| Inlet Female NPT | Outlet Female NPT | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | AVAPRF150-I |

## Backflow Preventer



### Features
- Provides maximum protection against backflow caused by back-pressure or back-siphonage from a cross-connection wherein a contaminant hazard exists
- Consists of two spring-loaded poppet type check valves and a mechanically independent, hydraulically dependent pressure differential relief valve
- Three top-mounted test cocks ensure easy access during repair and maintenance
- Create a fire hydrant backflow preventer by using the RSMSA25F20T (page 809) and the DMH2025F (page 811)

### Specifications
- Working pressure: to **175 PSIG**
- Temperature range: **33°F** to **180°F (.5°C** to **82°C)**

### Approvals
- Meets Foundation for Cross Connection Control and Hydraulic Research at University of Southern California Manual Section 10, ASSE 1015, AWWA C-510 and CSA B64.4 specifications
- UL listed and FM approved

| NPT Thread | Brass Part # |
|---|---|
| 2" | BFP200 |



## Chicago Pattern Valves

### Material
- Aluminum handwheel

### Specification
- Maximum operating pressure: **175 PSI** at **70°F (21°C)**

| Inlet Male NPT | Outlet Male | Cast Brass Part # |
|---|---|---|
| 1-1/2" | 1-1/2" NST (NH) | CPV150F |

N

## Sprinkler Hose Valve



**Material**
- Aluminum wheel

**Specification**
- Working pressure: **175 PSI** (water only) at **70°F (21°C)**

**Approvals**
- UL listed and FM approved for automatic sprinkler and standpipe systems

| Inlet Male NPT | Outlet Male NST (NH) | Cast Brass Part # |
|---|---|---|
| 1" | 1-1/2" | ASHV1015F |

## Push Pull Drain Valve



**Size**
- 2-1/2" handle length

**Feature**
- Direct mount

| Inlet | Outlet | Brass Part # |
|---|---|---|
| 3/4" FNPT | 3/4" FNPT | PPDV75 |

## Automatic Drain Vent Valve



**Application**
- Attaches to the hose end of a hose rack nipple keeping the hose free of moisture by draining water from a leaky valve; when the valve is opened for use a spring valve closes the drain and directs all water through the hose

**Feature**
- Other threads and finishes are available, consult Dixon® for more information

| Female NST (NH) | Male NST (NH) | Working Pressure (PSI) | Cast Brass Part # |
|---|---|---|---|
| 1-1/2" | 1-1/2" | **175** | ADV150F |

# Piston Intake Relief Valves

**Size**
- 4-1/2" minimum waterway

**Features**
- Standard with a 30° elbow (permitting smoother water flow), adjustable relief valve, retractable knob on hand wheel, and air bleed off
- Permits safe controlled flow to the intake pump and can also be used to draft
- Nine easy turns open and close the valve

**Material**
- Finish anodized throughout - minimum thickness 0.001"

**Specifications**
- **280 PSI** at **70°F (21°C)**, without relief valve
- Relief valve - double spring, cartridge type, adjustable from **50** to **200 PSI**



### Storz x Female Swivel

| Storz | Female Swivel NST (NH) | Length | Width | Height | Aluminum Alloy, 356-T6 Part # |
|---|---|---|---|---|---|
| 4" | 4" | 12" | 8" | 17" | FSGR440F |
| | 4-1/2" | | | | FSGR445F |
| | 5" | | | | FSGR450F |
| | 6" | | | | FSGR460F |
| 5" | 4" | 12" | 8" | 17" | FSGR540F |
| | 5" | | | | FSGR550F |
| | 6" | | | | FSGR560F |



### Female Swivel x Male

| Male NST (NH) | (2) Female NST (NH) Swivel | Length | Width | Height | Aluminum Alloy, 356-T6 Part # |
|---|---|---|---|---|---|
| 4" | 4" | 12" | 8" | 17" | FMGR40F40F |
| | 4-1/2" | | | | FMGR40F45F |
| | 5" | | | | FMGR40F50F |
| | 6" | | | | FMGR40F60F |
| 4-1/2" | 4" | 12" | 8" | 17" | FMGR45F40F |
| | 4-1/2" | | | | FMGR45F45F |
| | 5" | | | | FMGR45F50F |
| | 6" | | | | FMGR45F60F |
| 5" | 4" | 12" | 8" | 17" | FMGR50F40F |
| | 4-1/2" | | | | FMGR50F45F |
| | 5" | | | | FMGR50F50F |
| | 6" | | | | FMGR50F60F |
| 6" | 6" | 12" | 8" | 17" | FMGR60F60F |

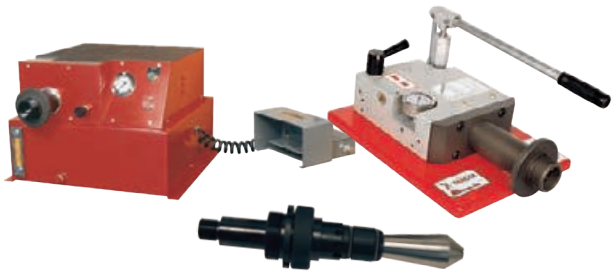


PV-HDWHL

### Replacement Parts

| Description | Part # |
|---|---|
| handwheel and knob | PV-HDWHL |
| knob only | PV-KNOB |

## Fire Specialty Products



Fire Hose Coupling Machines and Accessories



Low Level Strainer - Floating Strainer



Dry Hydrants



Barrel and Basket Strainers



Booster Hose Installation Kit



Suction Hoses

N

### Partial Listing of Powder Coating Colors Available for Wrenches

Contact Dixon Fire at 877.712.6179 for more information.

| | | | | | |
|---|---|---|---|---|---|
| Black | Dark Blue | Medium Blue | Gray | Red | Orange |
| Mustard | Yellow | Green | Aqua | Plum | Pink |

**Ball .....875 - 899**
Domestic.....875
Full port.....875
Locking handle.....876
Bronze.....876
Deadman spring return.....876
250 Lb. steam.....877
Safety vented.....877
NPT tap for drain.....877
Imported.....878
Imported with locking handle.....878
Global.....879
Solder end.....879
Lead-free brass.....879
Dual Y.....880
Mini.....880
3-Way diverting T flow.....881
3-Way diverting L flow.....881
2-Piece stainless.....882
Stainless full port.....882
Stainless full port with locking handle.....883
Stainless reduced port with locking handle.....883
3-Piece stainless.....884
3-Piece socket weld.....884
Deadman spring return stainless.....884
Electrically actuated stainless.....885
Electrically actuated brass.....886
Electrically actuated 3-way 'T / L' port.....887
Pneumatically actuated stainless.....888
Pneumatically actuated brass.....889
Pneumatically actuated 3-way stainless 'T / L' port.....890
Pneumatically actuated 3-way brass 'T / L' port.....891
Pneumatically actuated wafer butterfly valves.....892
BV3/4 stainless ball.....893
Actuated valve accessories.....894
Dixon® manntek full flow.....895 - 896
Carbon steel ball.....896
High pressure full-bore 3-way.....897
High pressure clear zinc.....897
High pressure full-bore.....897
150# Flanged.....898
Polypropylene bolted.....898
Polypropylene compact bolted.....899
Polypropylene 45° single union nozzle.....899
Polypropylene bolted with nozzle.....899
Polypropylene single union.....899

**Gate.....900**
Domestic bronze gate.....900
Stainless steel gate.....900

**Globe.....901**
Domestic bronze globe.....901
Forged steel globe.....901

**Butterfly .....902 - 903**
Betts Wet-R-Dri™.....902
Ductile iron.....903

**Flow Control.....904 - 905**
Steel series F.....904
Brass series F.....904
Series MV.....904
Steel series N.....905
Brass series N.....905

**Needle .....906 - 907**
Mini.....906
Multiport.....906
Block and bleed.....907
Bleed.....907

**Air .....908 - 909**
Button.....908
Tank filler.....908
Brass lever external drains.....908
Brass external drain cocks.....908
Needle.....909

**Safety.....910 - 914**
Safety check.....910
Safety pop-off.....911
Series C check.....912
Domestic ball cone check.....912
800 PSI stainless steel check.....913
Forged steel check.....913
Spring-loaded check.....913
Strainer with spring-loaded check.....914
Swing check.....914
Domestic swing check.....914

**Drum .....915 - 916**
Drum plug wrenches.....915
Drum faucets.....915
Compression bibb faucets.....915
Drum thread adapters.....916
Drum gate valves.....916
Self-closing gate valves.....916

## Domestic Bronze Ball Valves

### Application
- For control of air, water, oil, and gas in hose or pipe lines. For other services, please contact Dixon®

### Features
- Blowout-proof stems
- Full and standard port valves are repairable

### Materials
- Bronze valve bodies, balls, and stems
- Glass-filled reinforced PTFE seats and stuffing box ring; stem seals and washers
- Plated steel handles and nuts with vinyl sleeves. Replacements available, contact Dixon for pricing



### Specification
- Pressure rating: **600 PSI CWP**; **150 PSI** saturated steam

### Approval
- Meets WW-V 35C, Type II Composition

| Female NPT | Port | Bronze Part # |
|---|---|---|
| 1/4" | full | BBV25 |
| 3/8" | | BBV38 |
| 1/2" | | BBV50 |
| 3/4" | standard | BBV75 |
| 1" | | BBV100 |
| 1-1/4" | | BBV125 |
| 1-1/2" | | BBV150 |
| 2" | | BBV200 |
| 2-1/2" | | BBV250 |
| 3" | | BBV300 |

## Domestic Full Port Bronze Ball Valves

### Features
- Adjustable packing
- Blow-out proof stem design

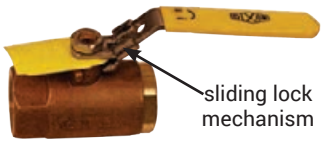
### Materials
- Machined solid chrome-plated ball
- Multi-fill RPTFE seats and seals

### Specifications
- Vacuum service to 29 inches Hg
- Pressure rating: **600 PSI CWP**; **150 PSI** saturated steam



| Female NPT | Port | Bronze Part # |
|---|---|---|
| 3/4" | full | BBV75FP |
| 1" | | BBV100FP |
| 1-1/4" | | BBV125FP |
| 1-1/2" | | BBV150FP |
| 2" | | BBV200FP |

## Locking Handle Bronze Ball Valves




**Application**
- For control of air, water, oil, and gas in hose or pipe lines. For other services, please contact Dixon®

**Features**
- Blow-out proof RPTFE stem
- Full and standard port valves are repairable

**Materials**
- Chrome-plated bronze ball
- Stainless steel sliding lock mechanism secures handle in open or closed position; can be padlocked opened or closed
- Plated steel handles and nuts with vinyl sleeves

**Specification**
- Pressure rating: **600 PSI CWP**; **150 PSI** saturated steam

| Female NPT | Port | Bronze Part # |
|---|---|---|
| 1/4" | full | BBLV25 |
| 3/8" | | BBLV38 |
| 1/2" | | BBLV50 |
| 3/4" | standard | BBLV75 |
| 1" | | BBLV100 |
| 1-1/4" | | BBLV125 |
| 1-1/2" | | BBLV150 |
| 2" | | BBLV200 |

## Bronze Ball Valves



**Applications**
- For air, water, oil, and gas service

**Features**
- Blow-out proof stem
- Adjustable packing gland

**Materials**
- Chromium plated ball
- RTFE seats and stuffing box ring

**Specification**
- Pressure rating: **600 PSI**
- Cold non-shock pressure rating: **150 PSI** saturated steam

| Male NPT x Female NPT | Port | Bronze Part # |
|---|---|---|
| 1/2" | standard | BMV50 |
| 3/4" | standard | BMV75 |
| 1" | standard | BMV100 |

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## "Deadman" Spring Return Handle Brass Ball Valves



**Features**
- Blow-out proof stem design
- Adjustable packing gland
- Spring return closes valve when not held open

**Specification**
- Operating torque approximately three times standard valve torque
- Pressure rating: **600 PSI CWP**; **150 PSI** saturated steam
- Vacuum service to 29 inches Hg

**Materials**
- Stainless steel lever
- Chromium plated ball
- RTFE seats and stuffing box ring

| Female NPT | Port | Brass Part # |
|---|---|---|
| 1/2" | full | BBV50SR |
| 3/4" | standard | BBV75SR |
| 1" | | BBV100SR |
| 1-1/2" | | BBV150SR |
| 2" | | BBV200SR |

## 250 Lb. Steam Ball Valves

**Application**
- Recommended for use with fluids with widely varying temperatures and/or thermal expansion rates

**Material**
- 316 stainless steel ball and stem

**Features**
- Blow-out proof stem design
- Multi-fill RPTFE seats
- Multi-fill stuffing box ring
- High temperature MTFE stem packing
- Adjustable packing gland

**Specifications**
- Maximum temperature: **450°F (232°C)**
- Pressure rating: **600 PSI**; **250 PSI** saturated steam
- Vacuum service to 29 inches Hg



| Female NPT | Port | Bronze Part # |
|---|---|---|
| 1/2" | full | BBV50ST |
| 3/4" | standard | BBV75ST |
| 1" | | BBV100ST |
| 2" | | BBV200ST |

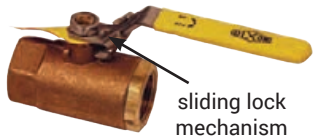
## Safety Vented Ball Valves

**Application**
- For air service only

**Features**
- Blow-out proof stem design
- Adjustable packing gland
- Vent downstream air in accordance with OSHA regulation 1910.147 for pneumatic systems

**Materials**
- Chromium plated ball
- RTFE seats and stuffing box ring

**Specification**
- Pressure rating: **0-125 PSI**




| Female NPT | Port | Bronze Part # |
|---|---|---|
| 1/4" | full | BBV25LV |
| 3/8" | | BBV38LV |
| 1/2" | | BBV50LV |
| 3/4" | standard | BBV75LV |
| 1" | | BBV100LV |
| 1-1/4" | | BBV125LV |
| 1-1/2" | | BBV150LV |
| 2" | | BBV200LV |

## Bronze Ball Valves with NPT Tap for Drain

**Application**
- Recommended for water and air service

**Materials**
- RTFE seats and stuffing box ring
- Chromium plated ball

**Features**
- Blow-out proof stem
- Adjustable packing gland
- Auto-drain / auto-vent
- 1/4" NPT tapped port provides additional options such as an air venting elbow or noise muffler
- Vent downstream air in accordance with OSHA regulations for pneumatic systems

**Specification**
- Pressure rating: **125 PSI CWP**



| Female NPT | Port | Bronze Part # |
|---|---|---|
| 1/4" | full | BBV25VT |
| 3/8" | | BBV38VT |
| 1/2" | | BBV50VT |
| 3/4" | | BBV75VT |
| 1" | | BBV100VT |



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## Imported Brass Ball Valves



**Application**
- For control of air, water, oil, and gas in hose or pipe lines, for other services, please contact Dixon®

**Features**
- Blow-out proof stems

**Materials**
- PTFE seat, seal and thrust washer
- Chrome-plated brass ball and plated steel handle

**Specifications**
- Maximum temperature: **366°F (186°C)**
- Pressure rating: **600 PSI WOG**; **150 PSI** Working Steam Pressure

**Approval**
- UL listed

**Female NPT x Female NPT**

| Size | Port | Forged Brass Part # |
|---|---|---|
| 1/4" | full | FBV25 |
| 3/8" | | FBV38 |
| 1/2" | | FBV50 |
| 3/4" | | FBV75 |
| 1" | | FBV100 |
| 1-1/4" | | FBV125 |
| 1-1/2" | | FBV150 |
| 2" | | FBV200 |

**Female NPT x Female NPT**

| Size | Port | Forged Brass Part # |
|---|---|---|
| 2-1/2" | full | FBV250 |
| 3" | | FBV300 |
| 4" | | FBV400 |

## Imported Brass Ball Valves with Locking Handle



**Application**
- For control of air, water, oil and gas in hose or pipe lines, for other services please contact Dixon®

**Features**
- Blow-out proof stem

**Materials**
- PTFE seat, seal, and thrust washer
- Chrome-plated brass ball and plated steel handle

**Specifications**
- Maximum temperature: **366°F (186°C)**
- Pressure ratings: **600 PSI WOG**; **150 PSI** working steam pressure

| Female NPT | Port | Forged Brass Part # |
|---|---|---|
| 1/2" | full | FBVL50 |
| 3/4" | | FBVL75 |
| 1" | | FBVL100 |
| 1-1/4" | | FBVL125 |
| 1-1/2" | | FBVL150 |
| 2" | | FBVL200 |
| 2-1/2" | | FBVL250 |
| 3" | | FBVL300 |
| 4" | | FBVL400 |

## Global Brass Ball Valves

**Application**
- For water and air only

**Specifications**
- Pressure ratings
  - 1/4" - 3/8" rated to **365 PSI**
  - 1/2" - 2" rated to **600 PSI**
- Maximum temperature: **248°F (120°C)**



| Female NPT | Port | Forged Brass Part # |
|---|---|---|
| 1/4" | full | FBVG25 |
| 3/8" | | FBVG38 |
| 1/2" | | FBVG50 |
| 3/4" | | FBVG75 |
| 1" | | FBVG100 |
| 1-1/4" | | FBVG125 |
| 1-1/2" | | FBVG150 |
| 2" | | FBVG200 |

## Solder End Brass Ball Valves

**Application**
- Provides protection against potential gas leakage under extreme duty or low pressure applications

**Features**
- Blow-out proof stem
- Adjustable stem packing nut

**Materials**
- Chrome-plated brass ball
- PTFE seat, seal, and thrust washer

**Specifications**
- Pressure rating: **600 PSI WOG**; **150 PSI** working steam pressure
- Maximum temperature: **366°F (186°C)**



| Size | Port | Brass Part # |
|---|---|---|
| 1/2" | full | FBV50SE |
| 3/4" | | FBV75SE |
| 1" | | FBV100SE |
| 1-1/4" | | FBV125SE |
| 1-1/2" | | FBV150SE |
| 2" | | FBV200SE |

## Lead-Free Brass Ball Valves

**Feature**
- PTFE seat and double O-ring stem packing

**Specifications**
- Pressure rating: **600 WOG - 150 WSP**
- Maximum temperature: **366°F (186°C)**

**Approvals**
- Lead-free refers to the wetted surface of pipes, fittings, and fixtures in potable water systems that have a weighted average lead content = 0.25% Source: California Health & Safety Code (116875). Vermont Act 193*171NLF



| Female NPT | Port | Lead-Free Brass Part # |
|---|---|---|
| 1/2" | full | LFV50 |
| 3/4" | | LFV75 |
| 1" | | LFV100 |
| 1-1/4" | | LFV125 |
| 1-1/2" | | LFV150 |
| 2" | | LFV200 |

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## Dual Y Valves



**Application**
- Ideal for compressor applications

**Feature**
- Dual action valve

**Specifications**
- Non-vented pressure rating: **600 PSI CWP**
- Vented pressure rating: **125 PSI CWP**

**Vented**

| Female NPT Inlet (1) | Female NPT Outlets (2) | Bronze Part # |
|---|---|---|
| 1" | 3/4" | BBV100DWV |
| 1-1/4" | | BBV125DWV |

**Non-Vented**

| Female NPT Inlet (1) | Female NPT Outlets (2) | Bronze Part # |
|---|---|---|
| 1" | 3/4" | BBV100DW |
| 1-1/4" | | BBV125DW |

## Mini Ball Valves



**Feature**
- Blow-out proof stem

**Material**
- PTFE seats and FKM stem seal

**Specifications**
- Maximum temperature **330°F (166°C)**
- Pressure rating: **450 PSI**

**Approval**
- Canadian Standard Association approved

| Female NPT | Port | Nickel Plated Brass Part # |
|---|---|---|
| 1/8" | standard | MBV12 |
| 1/4" | | MBV25 |
| 3/8" | | MBV38 |
| 1/2" | | MBV50 |

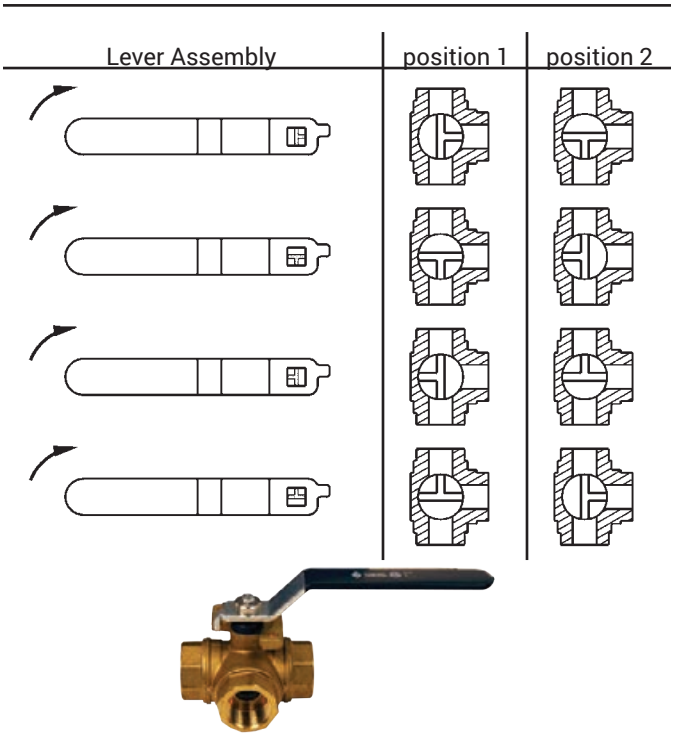
## 3-Way Brass Diverting Ball Valves - T Flow

### Female NPT x Female NPT x Female NPT

**Features**
- Blow-out proof stem
- Adjustable stem packing

**Materials**
- Chrome plated brass ball
- PTFE seats, seals, and thrust washer

**Specifications**
- Maximum temperature: **366°F (186°C)**
- Pressure rating: **400 PSI WOG**; **100 PSI** saturated steam




| Size | Port | Brass Part # |
|---|---|---|
| 1/2" | standard | BBV50DTW |
| 3/4" | | BBV75DTW |
| 1" | | BBV100DTW |
| 1-1/4" | | BBV125DTW |
| 1-1/2" | | BBV150DTW |
| 2" | | BBV200DTW |

NOTE: 1/4 turn handle can be adjusted to any orientation. Notches on the valve stem reflect the three openings on the ball.



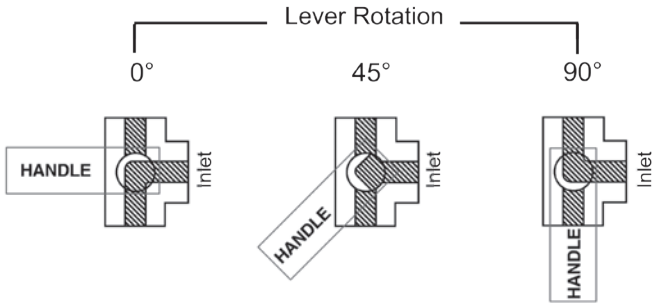
## 3-Way Brass Diverting Ball Valves - L Flow

### Female NPT x Female NPT x Female NPT

**Features**
- Can be used with gasoline and diesel fuel
- Blow-out proof stem
- Adjustable packing gland

**Specification**
- Pressure rating: **400 PSI CWP**

**Materials**
- Chromium-plated ball
- RPTFE seats and stuffing box ring
- Stainless steel handle and nut with vinyl sleeve




| Size | Port | Bronze Part # |
|---|---|---|
| 1/2" | full | BBV50TW[1] |
| 3/4" | standard | BBV75TW |
| 1" | | BBV100TW |

[1] Carbon steel handle and nut with vinyl sleeve

**Features**
- Blow-out proof stem
- Adjustable packing gland

**Specification**
- Rated to **800 PSI CWP**

**Approval**
- Meets NACE MR0175

**Materials**
- Stainless steel ball
- RPTFE seats and stuffing box ring
- Stainless steel handle and nut with vinyl sleeve



| Size | Port | Stainless Steel Part # |
|---|---|---|
| 1/2" | full | SSBV50TW |
| 3/4" | | SSBV75TW |



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## 2-Piece Domestic Stainless Steel Ball Valves




**Feature**
- Blow-out proof stem

**Materials**
- 316 stainless ball and stem
- RPTFE seal
- Vinyl handle cover

**Specifications**
- Temperature range: **-40°F** to **400°F (-40°C** to **204°C)**
- Pressure rating: **1,000 PSI CWP**
- Pressure rating: **150 PSI** saturated steam
- Vacuum service to 29 inches Hg

| Female NPT | Port | 316 Stainless Steel Part # |
|---|---|---|
| 1/4" | full | DSBV25 |
| 3/8" | | DSBV38 |
| 1/2" | | DSBV50 |
| 3/4" | | DSBV75 |
| 1" | | DSBV100 |
| 1-1/4" | | DSBV125 |
| 1-1/2" | | DSBV150 |
| 2" | | DSBV200 |

## Stainless Steel Ball Valves Full Port

**Applications**
- For use with water, oil, and gas

**Feature**
- Blow-out proof stem design

**Materials**
- 316 stainless steel ball and stem
- RPTFE seat, joint gasket, and thrust washer



**Specifications**
- Temperature range:
  **-20°F** to **300°F (-29°C** to **149°C)** as long as the valve is run fully open/closed
- Pressure rating:
  1/4" - 2" rated to **1000 PSI WOG** (CWP)
  2-1/2" - 3" rated to **800 PSI WOG** (CWP)
  **100 PSI** saturated steam

| Female NPT | Port | 316 Stainless Steel Part # |
|---|---|---|
| 1/4" | full | SSBV25 |
| 3/8" | | SSBV38 |
| 1/2" | | SSBV50 |
| 3/4" | | SSBV75 |
| 1" | | SSBV100 |
| 1-1/4" | | SSBV125 |
| 1-1/2" | | SSBV150 |
| 2" | | SSBV200 |
| 2-1/2" | | SSBV250 |
| 3" | | SSBV300 |



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## Full Port Ball Valves with Locking Handle

### Applications
- For use with water, oil, and gas

### Features
- Lockable
- Blow-out proof stem design
- Not recommended as a throttling valve

### Materials
- 316 stainless steel ball and stem
- RPTFE seat, joint gasket and thrust washer
- Plastic cover on handle




### Specifications
- Temperature range: **-20°F** to **356°F (-29°C** to **180°C)**
- Pressure rating: 1/4" - 2" rated to **1000 PSI WOG** (CWP)
  2-1/2" - 3" rated to **800 PSI WOG** (CWP)
  **100 PSI** saturated steam

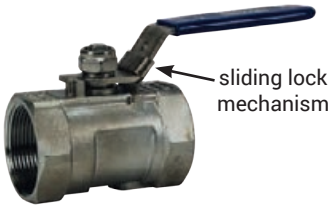
| Female NPT | Port | 316 Stainless Steel Part # |
|---|---|---|
| 1/4" | full | SSLBV25 |
| 3/8" | | SSLBV38 |
| 1/2" | | SSLBV50 |
| 3/4" | | SSLBV75 |
| 1" | | SSLBV100 |
| 1-1/4" | | SSLBV125 |
| 1-1/2" | | SSLBV150 |
| 2" | | SSLBV200 |
| 2-1/2" | | SSLBV250 |
| 3" | | SSLBV300 |

## Reduced Port Ball Valves with Locking Handle

### Applications
- For use with water, oil, and gas

### Features
- Lockable
- Blow-out proof stem design
- Not recommended as a throttling valve

### Materials
- 316 stainless steel ball and stem
- RPTFE seat, joint gasket, and thrust washer
- Plastic cover on handle




### Specifications
- Temperature range: **-20°F** to **356°F (-29°C** to **180°C)**
- Pressure rating: **1000 PSI WOG**; **100 PSI** saturated steam

| Female NPT | Port | 316 Stainless Steel Part # |
|---|---|---|
| 1/4" | reduced | SSLBV25SP |
| 3/8" | | SSLBV38SP |
| 1/2" | | SSLBV50SP |
| 3/4" | | SSLBV75SP |
| 1" | | SSLBV100SP |
| 1-1/4" | | SSLBV125SP |
| 1-1/2" | | SSLBV150SP |

## 3-Piece Industrial Stainless Steel Ball Valves FNPT



**Features**
- Blowout-proof stem
- Live-loaded stem packing
- Swing out design for easy maintenance
- ISO 5211 mounting pad
- RTFE seat and seals

**Specifications**
- Maximum temperature: **400°F (200°C)**
- Maximum pressure: 1/4" - 1/2" **1,000 PSI WOG** at **65°F**, 2-1/2" - 3" **800 PSI WOG** at **65°F**, 4" **600 PSI WOG** at **65°F**

| Female NPT | Port | PSI @ 65°F | Body Length | CF8M Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | full | 1000 | 2.8" | BV2IGN05011-A |
| 3/4" | | | 3.1" | BV2IGN07511-A |
| 1" | | | 3.3" | BV2IGN10011-A |
| 1-1/4" | | | 4.1" | BV2IGN12511-A |
| 1-1/2" | | | 4.4" | BV2IGN15011-A |
| 2" | | | 5.1" | BV2IGN20011-A |
| 2-1/2" | | 800 | 6.6" | BV2IGN25011-A |
| 3" | | | 7.3" | BV2IGN30011-A |
| 4" | | 600 | 8.9" | BV2IGN40011-A |

## 3-Piece Industrial Stainless Steel Ball Valves Socket Weld



| Female NPT | Port | PSI @ 65°F | Body Length | CF8M Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" | full | 1000 | 2.8" | BV2IGN05033-A |
| 3/4" | | | 3.1" | BV2IGN07533-A |
| 1" | | | 3.3" | BV2IGN10033-A |
| 1-1/4" | | | 4.1" | BV2IGN12533-A |
| 1-1/2" | | | 4.4" | BV2IGN15033-A |
| 2" | | | 5.1" | BV2IGN20033-A |
| 2-1/2" | | 800 | 6.6" | BV2IGN25033-A |
| 3" | | | 7.3" | BV2IGN30033-A |
| 4" | | 600 | 8.9" | BV2IGN40033-A |

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## "Deadman" Spring Return Handle Stainless Steel Ball Valves

**Features**
- PTFE seal
- Blow-out proof stem design
- Adjustable packing gland
- Spring return closes valve when not held open

**Specifications**
- Operating torque approximately three times standard valve torque
- Pressure rating: **2000 PSI WOG** 1/2" to 1"; **1500 PSI WOG** 1-1/4" to 2"
- **150 PSI** saturated steam, all sizes
- Vacuum service to 29 inches Hg, all sizes



| Female NPT | Port | 316 Stainless Steel Part # |
|---|---|---|
| 1/2" | full | SSBV50SR |
| 3/4" | standard | SSBV75SR |
| 1" | | SSBV100SR |
| 1-1/4" | | SSBV125SR |
| 1-1/2" | | SSBV150SR |

# Electrically Actuated Stainless Steel Ball Valves

## 2-Piece

### 2-Piece Stainless Steel Ball Valve

**Feature**
- Blow-out proof stem

**Materials**
- Body, ends and ball: CF8M stainless
- Seats: RTFE
- Seals: PTFE
- ISO 5211 mounting pad

**Specifications**
- Pressure rating:
  - 1/4" - 2": **1000 PSI WOG**,
  - 2-1/2" - 3": **800 PSI WOG**
- Temperature range:
  **-40°F** to **350°F (-40°C** to **177°C)**

### Electric Actuator

**Features**
- H-insulation class
- Visual position indication
- Space heater is standard
- NEMA 4/4X waterproof and dustproof

**Materials**
- Gear train: high alloy steel
- Housing: lightweight powder coated aluminum alloy

**Specifications**
- Temperature range: **-41°F** to **140°F (-41°C** to **60°C)**

**Approvals**
- ISO 9001, CS, CE and CSA-C US Certified
- RoHS compliant



## 3-Piece

### 3-Piece Stainless Steel Ball Valve

**Features**
- Blow-out proof stem
- Live-loaded stem packing
- Swing out design allows easy maintenance

**Materials**
- Body and ball: CF8M stainless steel
- Stem: 316 stainless steel
- Seat: RTFE
- ISO 5211 mounting pad

**Specifications**
- Maximum pressure:
  - 1/4" - 2": **1,000 PSI WOG** at **65°F**
  - 2-1/2" - 3": **800 PSI WOG** at **65°F**
  - 4" **600 PSI WOG** at **65°F**
- Temperature range:
  **-40°F** to **400°F (-40°C** to **204°C)**

### Electric Actuator

**Features**
- H-insulation class
- Visual position indication
- Space heater is standard
- NEMA 4/4X waterproof and dustproof

**Materials**
- Gear train: high alloy steel
- Housing: lightweight powder coated aluminum alloy

**Specification**
- Temperature range: **-41°F** to **140°F (-41°C** to **60°C)**

**Approvals**
- ISO 9001, CS, CE, and CSA-C US Certified
- RoHS compliant



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A wide variety of options are available: voltages, modulating, extra switches, transmitters, potentiometer, etc. Contact Dixon® Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application. For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic effect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may

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## Electrically Actuated Brass Ball Valves



**2-Piece Brass Ball Valve**

### Size
- 1/4" to 2" brass; 2-1/2" to 4" bronze

### Features
- Stem: blow-out proof brass
- ISO 5211 mounting pad

### Materials
- Elastomers: FKM
- Seats: PTFE with double O-ring stem packing

### Specifications
- Pressure rating: - **600 PSI WOG**, **150 PSI WOG**
- Maximum temperature: - **300°F (149°C)**

**Electric Actuator**

### Features
- H-insulation class
- Visual position indication
- Space heater is standard
- NEMA 4/4X waterproof and dustproof

### Materials
- Gear train: high alloy steel
- Housing: lightweight powder coated aluminum alloy

### Specification
- Temperature range: **-41°F** to **140°F (-41°C** to **60°C)**

### Approvals
- ISO 9001, CS, CE, and CSA-C US Certified
- RoHS compliant

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A wide variety of options are available:  voltages, modulating, extra switches, transmitters, potentiometer, etc. Contact Dixon® Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application.
For example:  Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic effect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon when dealing with these types of applications.

# Electrically Actuated 3-Way Ball Valves - 'T / L' Port

## 3-Way Stainless Steel

### 3-Way Stainless Steel Ball Valve

**Features**
- Full port with FNPT ends
- Blow-out proof stem
- Live-loaded stem packing
- ISO 5211 mounting pad

**Materials**
- Body and ball: CF8M stainless steel
- Seats and seals: RTFE

**Specifications**
- Working pressure:
  - 1/4" to 1": **1000 PSI WOG**
  - 1-1/4" to 2": **800 PSI WOG**
- Maximum temperature: **350°F (177°C)**

### Electric Actuator

**Features**
- NEMA 4/4X waterproof and dustproof
- H-insulation class
- Visual position indication
- Space heater is standard

**Materials**
- Gear train: high alloy steel
- Housing: lightweight powder coated aluminum alloy

**Specification**
- Temperature range: **-41°F** to **140°F (-41°C** to **60°C)**

**Approvals**
- ISO 9001, CS, CE, and CSA-C US Certified
- RoHS compliant



## 3-Way Brass

### 3-Way Brass Ball Valve

**Features**
- Reduced port ball valves with FNPT ends
- Blow-out proof stem
- ISO 5211 mounting pad

**Materials**
- Body: brass
- Seats: PTFE with O-ring backing

**Specifications**
- Pressure rating:
  - **400 PSI WOG**
  - **100 PSI WSP**
- Maximum temperature: **300°F** (**149°C**)

### Electric Actuator

**Features**
- NEMA 4/4X waterproof and dustproof
- H-insulation class
- Visual position indication
- Space heater is standard

**Materials**
- Gear train: high alloy steel
- Housing: lightweight powder coated aluminum alloy

**Specification**
- Temperature range: **-41°F** to **140°F** (**-41°C** to **60°C**)

**Approvals**
- ISO 9001, CS, CE, and CSA-C US Certified
- RoHS compliant



O

A flow path needs to be selected at time of order. See page 893 for flow path options.

Customer verification is critical. If flow path needs to be changed after being shipped, labor and shipping charges will apply.

A wide variety of options are available:  voltages, modulating, extra switches, transmitters, potentiometer, etc. Contact Dixon® Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application. For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic effect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may

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# Pneumatically Actuated Stainless Steel Ball Valves



### 3-Piece Stainless Steel Ball Valve

**Features**
- Blow-out proof stem
- Live-loaded stem packing
- ISO 5211 mounting pad

**Materials**
- Body, ends and ball: CF8M stainless
- Seats: RTFE
- Seals: PTFE

**Specifications**
- Pressure rating:
  - 1/4" - 2" **1000 PSI WOG**
  - 2-1/2" - 3" **800 PSI WOG**
- Temperature range:
  - 1/4" to 2": **-40°F** to **350°F (-40°C** to **177°C)**
  - 2-1/2" to 3": -40°F to 325°F (-40°C to 163°C)

### 2-Piece Rack and Pinion Actuator

**Features**
- NAMUR mounting
- Bi-directional stops for ±5º travel adjustment
- Visual position indication
- Tested to one million cycles
- For spring return actuators must note fail position

**Materials**
- Body: hard anodized aluminum
- Anti-blowout pinion: nickel plated anti-blowout pinion
- O-rings: Nitrile rubber

**Specifications**
- **80 PSI** plant air required
- Maximum operating pressure: **120 PSI**
- Temperature range:
  **-40ºF** to **200ºF (-40°C** to **93°C)**

## 3-Piece



### 3-Piece Stainless Steel Ball Valve

**Features**
- Blow-out proof stem
- Live-loaded stem packing
- ISO 5211 mounting pad
- Swing-out design allows easy maintenance

**Materials**
- Body and ball: CF8M stainless steel
- Stem: 316 stainless steel
- Seat: RTFE

**Specifications**
- Maximum pressure:
  - 1/4" - 2": **1,000 PSI WOG** at **65°F**
  - 2-1/2" - 3": **800 PSI WOG** at **65°F**
  - 4": **600 PSI WOG** at **65°F**
- Temperature range:
  - 1/2" to 2": **-40°F** to **350°F (-40°C** to **177°C)**
  - 3" to 4": **-40°F** to **325°F (-40°C** to **163°C)**

### Rack and Pinion Actuator

**Features**
- NAMUR mounting
- Bi-directional stops for ±5º travel adjustment
- Visual position indication
- Tested to one million cycles
- For spring return actuators must note fail position

**Materials**
- Body: hard anodized aluminum
- Anti-blowout pinion: nickel plated
- O-rings: Nitrile rubber

**Specifications**
- **80 PSI** plant air required
- Maximum operating pressure: **120 PSI**
- Temperature range:
  **-40ºF** to **200ºF (-40°C** to **93°C)**

A wide variety of options are available: spring return (normally closed) and double acting actuators, switches, solenoids, positioners, etc. Contact Dixon® Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application. For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic effect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may

# Pneumatically Actuated Brass Ball Valves

**2-Piece Brass Ball Valve**

### Features
- Blow-out proof stem
- PTFE seats with double O-ring stem packing
- ISO 5211 mounting pad



### Materials
- Body: 1/4 " to 2" brass, 2-1/2" - 4" bronze
- Seats: PTFE
- Ends: FNPT
- Brass ball
- FKM elastomers

### Specifications
- Pressure rating: - **600 PSI WOG**, **150 PSI WSP**
- Maximum temperature: **300°F (149°C)**

**Rack and Pinion Actuator**

### Features
- NAMUR mounting
- Bi-directional stops for ±5º travel adjustment
- Visual position indication
- Tested to one million cycles
- For spring return actuators must note fail position

### Materials
- Body: hard anodized aluminum
- Anti-blowout pinion: nickel plated
- O-rings: Nitrile rubber

### Specifications
- **80 PSI** plant air required
- Maximum operating pressure: **120 PSI**
- Temperature range: **-40ºF** to **200ºF (-40°C** to **93°C)**

A wide variety of options are available: spring return (normally closed) and double acting actuators, switches, solenoids, positioners, etc. Contact Dixon® Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application. For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic effect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon when dealing with these types of applications.



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# Pneumatically Actuated 3-Way Stainless Steel Ball Valves - 'T / L' Port



**3-Way Stainless Steel Ball Valve**

### Features
- Full port ball valves with FNPT ends
- Blow-out proof stem
- Live-loaded stem packing
- ISO 5211 mounting pad

### Materials
- Body and ball: CF8M stainless steel
- Seats and seals: RTFE

### Specifications
- Working pressure:
  - 1/4" to 1": **1000 PSI WOG**
  - 1-1/4" to 2": **800 PSI WSP**
- Maximum temperature: **350°F (177°C)**

**Rack and Pinion Actuator**

### Features
- NAMUR mounting
- Bi-directional stops for ±5° travel adjustment
- Visual position indication
- Tested to one million cycles
- For spring return actuators must note fail position

### Materials
- Body: hard anodized aluminum
- Anti-blowout pinion: nickel plated
- O-rings: Nitrile rubber

### Specifications
- **80 PSI** plant air required
- Maximum operating pressure: **120 PSI**
- Temperature range: **-40°F** to **200°F (-40°** to **93°C)**

A flow path needs to be selected at time of order. See page 893 for flow path options.

Customer verification is critical. If flow path needs to be changed after being shipped, labor and shipping charges will apply.



A wide variety of options are available: spring return (normally closed) and double acting actuators, switches, solenoids, positioners, etc. Contact Dixon® Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application. For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic effect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon when dealing with these types of applications.

# Pneumatically Actuated 3-Way Brass Ball Valves - 'T / L' Port

**3-Way Brass Ball Valve**

### Features
- Reduced port brass ball valves with FNPT ends
- Blow-out proof stem
- PTFE seats with O-ring backing for low operating torque
- ISO 5211 mounting pad



### Materials
- Body: brass
- Seats: PTFE with O-ring backing
- Ball: chrome-plated brass

### Specifications
- Pressure rating: **400 PSI WOG,100 PSI WSP**
- Maximum temperature: **300°F (149°C)**

**Rack and Pinion Actuator**

### Features
- NAMUR mounting
- Bi-directional stops for ±5° travel adjustment
- Visual position indication
- Tested to one million cycles
- For spring return actuators must note fail position

### Materials
- Body: hard anodized aluminum
- Anti-blowout pinion: nickel plated
- O-rings: Nitrile rubber

### Specifications
- **80 PSI** plant air required
- Maximum operating pressure: **120 PSI**
- Temperature range: **-40°F** to **200°F (-40°C** to **93C)**

A flow path needs to be selected at time of order. See page 893 for flow path options.

Customer verification is critical. If flow path needs to be changed after being shipped, labor and shipping charges will apply.

A wide variety of options are available: spring return (normally closed) and double acting actuators, switches, solenoids, positioners, etc. Contact Dixon® Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application. For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic effect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon when dealing with these types of applications.



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# Pneumatically Actuated Wafer Butterfly Valves

## Rack and Pinion Actuator

### Features
- Bi-directional stops for ± 5° travel adjustment
- Namur mounting
- Visual position indication
- Tested to 1 million cycles
- For spring return actuators must note fail position

### Specifications
- **80 PSI** plant air required
- Maximum operating pressure: **120 PSI**
- Temperature range:
  **-40°F** to **200°F (-40°C** to **93°C)**

### Materials
- Body: hard anodized aluminum
- Anti-blowout pinion: nickel plated
- O-rings: Nitrile rubber

## Wafer



### Features
- Installs between standard ANSI Class 150# flanges
- Seat backing ring ensures blow-out proof service
- A wide variety of seat, disc, and body materials are available
- No taper pins
- Can be serviced in the field

### Materials
- Body with extended neck: ductile iron
- Disc: nickel plated ductile iron
- Replaceable seat: EPDM

### Specifications
- Maximum operating pressure: **200 PSI** (bi-directional)
- Temperature range:
  **-20°F** to **250°F (-29°C** to **121°C)**

### Approvals
- Conforms to MSS-SP-67, MSS-SP-25, API-609

## Lug



### Features
- Installs between standard ANSI Class 150# flanges
- Seat backing ring ensures blow-out proof service
- A wide variety of seat, disc, and body materials are available
- No taper pins
- Can be serviced in the field

### Materials
- Body with extended neck: ductile iron
- Disc: nickel plated ductile iron
- Replaceable seat: EPDM

### Specifications
- Maximum operating pressure: **200 PSI** (bi-directional)
- Temperature range:
  **-20°F** to **250°F (-29°C** to **121°C)**

### Approvals
- Conforms to MSS-SP-67,MSS-SP-25, API-609

A wide variety of options are available: spring return (normally closed) and double acting actuators, switches, solenoids, positioners, etc. Contact Dixon® Sanitary at 800.789.1718.



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# BV3/4 Series Multi-port Sanitary Stainless Steel Ball Valves

## Flow Paths

3-way 'L'-port
*position A*



3-way 'L'-port
*position B*



3-way 'L'-port
*position C*



3-way 'T'-port
*position A*



3-way 'T'-port
*position B*



3-way 'T'-port
*position C*



3-way 'T'-port
*position D*



4-way 'L'-port
*position A*



4-way 'L'-port
*position B*



4-way 'L'-port
*position C*



4-way 'L'-port
*position D*



4-way 'T'-port
*position A*



4-way 'T'-port
*position B*



4-way 'T'-port
*position C*



4-way 'T'-port
*position D*



# Actuated Valve Accessories







XLS-B4A0120P

## Limit Switches

**Features**
- Visual position indicator
- 3D open/close indication
- Quick-set cam
- Mechanical SPDT switches (standard)
- Multipoint terminal strip
- Various switch options available

**Specification**
- Cable entry: (2) 1/2" NPT

**Enclosures available**

**NEMA 4 4/X**
- Water and dust tight for indoor or outdoor use
- Corrosion resistant

**NEMA 7**
- Water and dust tight for indoor or outdoor use
- Corrosion resistant
- For use in indoor hazardous locations
- Explosion proof

| Enclosure | Part # |
|---|---|
| NEMA 4/4X | XLS-B4A0120P |
| NEMA 7 | XLS-C7A0120P |

## Solenoids




**Features**
- Duty cycle: 100% extended duty
- Easy-to-use manual override
- NEMA 4 4/X Enclosure
- Water and dust tight for indoor or outdoor use
- Corrosion resistant
- Voltages available: 12VDC, 24VDC, 24VAC, 48VAC, 110VAC, 220VAC

**Material**
- Electroless nickel plated spool

**Specifications**
- Port sizes: inlet and exhaust 1/4" NPT
- Pressure range: **30 PSI** to **150 PSI**

| Description | Voltage | Part # |
|---|---|---|
| single coil | 115VAC | XSO-4S4D-0A |
| | 24VDC | XSO-4S4B-0A |
| dual coil | 115VAC | XSO-4D4D-0A |
| | 24VDC | XSO-4D4B-0A |

## Positioners



**Specifications**
- Air capacity:
  at **29 PSI** (**200kPa**): 9.5 SCFM
  at **87 PSI** (**600kPa**): 28.3 SCFM
  at **145 PSI** (**1MPa**): 47.1 SCFM
- Air connections: 1/4" NPT
- Gauges: 1/8" NPT
- Cable entry: 1/2" NPT

**Electro-Pneumatic**
- Input range: 4-20mA (Ri<250ohms)
- Supply pressure: **21.8** to **145 PSI** (**0.15** to **1MPa**)
- Linearity error: <1.0% f.s
- Hysteresis: <0.6% f.s
- Repeatability: <0.5% f.s

**Pneumatic**
- Input range: **3** to **15 PSI** (**20-100kPa**)
- Supply pressure: < **145 PSI** (<**1MPa**)
- Linearity error: <0.7% f.s
- Hysteresis: <0.4% f.s
- Repeatability: <0.3% f.s

| Positioner Type | Part # |
|---|---|
| Electro-Pneumatic | XPO-E4F |
| Pneumatic | XPO-P4F |

# Dixon® MannTek Full Flow Ball Valves

## Features
- Two ports - one inlet and one outlet
- High flow rate; low pressure drop
- Spindle can be disassembled even when ball valve is installed
- Optional ports include DN flange, butt weld, and 150# flange; contact Dixon for details

## Materials
- Wetted parts are aluminum and stainless steel
- FPM seals

## Specifications
- Working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- Standard valve ports - female NPT, socket weld for Schedule 40 pipe and grooved

### One-Way Full Flow Ball Valve Female NPT

| Size | Aluminum Part # |
|---|---|
| 2" | 1WAYBV200 |
| 3" | 1WAYBV300 |
| 4" | 1WAYBV400 |



### One-Way Full Flow Ball Valve Socket Weld

| Size | Bore | Aluminum Part # |
|---|---|---|
| 2" | 2.390" | 1WAYBV200SW |
| 3" | 3.530" | 1WAYBV300SW |



### One-Way Full Flow Ball Valve Grooved

| Size | Aluminum Part # |
|---|---|
| 2" | 1WAYBV200VIC |
| 3" | 1WAYBV300VIC |



## Dixon® MannTek Full Flow Ball Valves

### Application
- Commonly used for switching compartments or tanks

### Features
- High flow rate; low pressure drop
- Spindle can be disassembled even when ball valve is installed
- Optional ports include DN flange, butt weld, and 150# flange, contact Dixon for details
- Three ports - one inlet and two outlets, valve directs the flow from the inlet to either of the two outlets

### Materials
- Wetted parts are aluminum and stainless steel
- FPM seals

### Specifications
- Working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- Standard valve ports - female NPT, socket weld for Schedule 40 pipe and grooved



2WAYBV200-SH

### Two-Way Full Flow Ball Valve Female NPT

| Size | Aluminum Part # |
|---|---|
| 2" | 2WAYBV200 |
| | 2WAYBV200-SH[1] |
| 3" | 2WAYBV300 |
| 4" | 2WAYBV400 |

[1] Supplied with straight handle



### Two-Way Full Flow Ball Valve Socket Weld

| Size | Bore | Aluminum Part # |
|---|---|---|
| 2" | 2.390" | 2WAYBV200SW |
| | | 2WAYBV200SW-SH[1] |
| 3" | 3.530" | 2WAYBV300SW |

[1] Supplied with straight handle



### Two-Way Full Flow Ball Valve Grooved

| Size | Aluminum Part # |
|---|---|
| 2" | 2WAYBV200VIC3 |
| 3" | 2WAYBV300VIC3 |

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## Carbon Steel Ball Valves

### Applications
- For control of air, water, oil, and gas in hose or pipe lines, for other services please contact Dixon

### Materials
- Carbon steel body
- Chromium plated ball
- RPTFE seat and seal



### Features
- Blow-out proof stem
- Adjustable packing gland

### Specification
- Pressure rating: **150 PSI** saturated steam

| Female NPT | PSI | Port | Carbon Steel Part # |
|---|---|---|---|
| 1/4" | **2000** | full | IBV25 |
| 3/8" | **2000** | | IBV38 |
| 1/2" | **2000** | standard | IBV50 |
| 3/4" | **2000** | | IBV75 |
| 1" | **2000** | | IBV100 |
| 1-1/4" | **1500** | | IBV125 |
| 1-1/2" | **1500** | | IBV150 |

## High Pressure Full-Bore 3-Way Ball Valves

**Features**
- Rugged construction
- Black oxide coating

**Materials**
- FKM seals
- POM (polyacetal) ball seats
- Nickel plated ball

**Specification**
- Temperature range: **-20°F** to **215° F (-29°C** to **102°C)**



Standard L 90°

| Female NPT | PSI | Carbon Steel Part # |
|---|---|---|
| 1/2" | 5145 | HPBV12-3WAY |
| 3/4" | | HPBV34-3WAY |
| 1" | | HPBV10-3WAY |

## High Pressure Clear Zinc Ball Valves

**Materials**
- Nitrile rubber O-rings
- POM (Polyacetal) ball seats

**Approval**
- RoHS compliant

New



| Female NPT | PSI | Carbon Steel | | PSI |
|---|---|---|---|---|
| | | Part # | SAE Part # | |
| 1/4" | 7350 | HPBV25ZPL | HPBV25SAEZPL | 7350 |
| 3/8" | | HPBV38ZPL | HPBV38SAEZPL | |
| 1/2" | | HPBV12ZPL | HPBV12SAEZPL | |
| 3/4" | 6000 | HPBV34ZPL | HPBV34SAEZPL | 6000 |
| 1" | | HPBV10ZPL | HPBV10SAEZPL | |
| 1-1/4" | | HPBV125ZPL | HPBV125SAEZPL | |
| 1-1/2" | | HPBV150ZPL | HPBV150SAEZPL | |
| 2" | | HPBV200ZPL | HPBV200SAEZPL | |

## High Pressure Full-Bore Ball Valves

**Features**
- Blow-out proof stem
- Rugged construction

**Materials**
- FKM/FPM seals
- POM (Polyacetal) ball seats



| Female NPT | PSI | Carbon Steel | | PSI | 316 Stainless Steel Part # |
|---|---|---|---|---|---|
| | | Part # | SAE Part # | | |
| 1/4" | 7350 | HPBV25 | HPBV25SAE | 5880 | HPBV25SS |
| 3/8" | | HPBV38 | HPBV38SAE | | HPBV38SS |
| 1/2" | | HPBV12 | HPBV12SAE | | HPBV12SS |
| 3/4" | 6000 | HPBV34 | HPBV34SAE | 5145 | HPBV34SS |
| 1" | | HPBV10 | HPBV10SAE | | HPBV10SS |
| 1-1/4" | | HPBV125 | HPBV125SAE | --- | --- |
| 1-1/2" | | HPBV150 | HPBV150SAE | --- | --- |
| 2" | | HPBV200 | HPBV200SAE | --- | --- |

## 150# Flanged Ball Valves



**Applications**
- Suitable for air, water, oil, and gas

**Features**
- Four point ISO 5211 mounting pad bolt pattern
- Anti-static grounded ball and stem
- Blow-out proof stem design
- Fire safe (graphite packing and seal)
- Adjustable packing gland

**Materials**
- Body: ASTM A216 WCB
- RPTFE seat

**Specifications**
- Pressure rating: **150 PSIG** saturated steam
- Temperature up to **400°F (204°C)**
- **PSI** rating up to **280 PSI**
- Bleed/drain port (cast) 1/2" NPT
- Vacuum service to 29 inches of Hg

**Approvals**
- Product approvals include: LP gas shut-off valves, flammable liquid shut-off valves, gas shut-off valves, compressed gas shut-off valves, and anhydrous ammonia shut-off valves

| Size | Port | Carbon Steel Part # |
|---|---|---|
| 2" | full | FLBV200CS |
| 2-1/2" | | FLBV250CS |
| 3" | | FLBV300CS |
| 4" | | FLBV400CS |
| 6" | | FLBV600CS |
| 8" | | FLBV800CS |

NOTE: For flange dimensions, diagrams, and additional information please reference dixonvalve.com.

## Polypropylene Bolted Ball Valves

**Feature**
- Chemically-resistant, reinforced polypropylene

**Materials**
- PTFE ball seat
- EPDM O-ring body seal, FKM O-ring stem seal
- 304 stainless steel nuts and bolts

**Specifications**
- Pressure rating:
  - 1/2" - 3" is rated to **125 PSI** at **70°F (21°C)**
  - 4" is rated to **90 PSI** at **70°F (21°C)**

**Approval**
- FDA approved material



### Polypropylene 4-Bolt Ball Valves

| Female NPT | Port | Polypropylene Part # |
|---|---|---|
| 1/2" | full | PVFP50 |
| 3/4" | | PVFP75 |
| 1" | | PVFP100 |
| 1-1/2" | | PVFP150 |
| 1" | standard | PV100 |
| 2" | | PV200 |



### Polypropylene 6-Bolt Ball Valves

| Female NPT | Port | Polypropylene Part # |
|---|---|---|
| 2" | full | PVFP200 |
| 3" | | PVFP300 |



### Polypropylene 8-Bolt Ball Valves

| Female NPT | Port | Polypropylene Part # |
|---|---|---|
| 4" | full | PVFP400 |



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## Polypropylene Compact Bolted Ball Valves

**Materials**
- Chemically-resistant, reinforced polypropylene body, PTFE ball seat
- EPDM O-ring body seal, FKM O-ring stem seals
- 304 stainless steel nuts and bolts

**Specification**
- Pressure rating: **125 PSI** at **70°F (21°C)**

**Approval**
- FDA approved material





**Polypropylene Compact Bolted Ball Valve**

| Female NPT | Port | Body Length | Polypropylene Part # |
|---|---|---|---|
| 2" | full | 4-7/8" | PVFPS200 |

**Polypropylene Compact Bolted Ball Valve**

| Female NPT x Male Adapter | Port | Body Length | Polypropylene Part # |
|---|---|---|---|
| 2" | full | 6-7/8" | PVFPSA200 |

## Polypropylene 45° Single Union Nozzle Valves

**Materials**
- Corrosion resistant polypropylene body, PTFE ball seats
- EPDM O-ring

**Specification**
- Pressure rating: **125 PSI** at **70°F (21°C)**

**Approval**
- FDA approved material



| Female NPT x Nozzle | Port | Polypropylene Part # |
|---|---|---|
| 1" | full | SUBVN100 |

## Polypropylene Bolted Ball Valves with Nozzle

**Feature**
- Body-to-flange design allows for low torque operation

**Materials**
- Chemically-resistant, reinforced polypropylene body, PTFE ball seat
- EPDM O-ring body seals, FKM O-ring stem seals
- 304 stainless steel nuts and bolts

**Specification**
- Pressure rating: **125 PSI** at **70°F (21°C)**

**Approval**
- FDA approved material



| Female NPT x Nozzle | Port | Polypropylene Part # |
|---|---|---|
| 1-1/2" | full | PVFPN150 |
| 2" | | PVFPN200 |
| 2" | standard | PVN200 |

## Polypropylene Single Union Ball Valves

**Materials**
- Corrosion resistant polypropylene body, PTFE ball seat
- EPDM O-ring

**Specification**
- Pressure rating: **125 PSI** at **70°F (21°C)**

**Approval**
- FDA approved material



| Female NPT | Port | Polypropylene Part # |
|---|---|---|
| 1/2" | full | SUBV50 |
| 3/4" | | SUBV75 |
| 1" | | SUBV100 |
| 1-1/4" | | SUBV125 |
| 1-1/2" | | SUBV150 |
| 2" | | SUBV200 |



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## Domestic Bronze Gate Valves



**Features**
- Class 150
- union bonnet
- ASME B1.20.1
- Grafoil® packing
- Rising stem
- Solid disc

**Specifications**
- Temperature range:
  **-20°F** to **406°F (-29°C** to **208°C)**
- Pressure rating:
  **300 PSI** cold working pressure
  **150 PSI** steam working pressure

**Material**
- Malleable iron handwheel

**Approval**
- 100% factory tested

| Female NPT | Bronze Part # |
|---|---|
| 1/2" | DBGV50 |
| 3/4" | DBGV75 |
| 1" | DBGV100 |
| 1-1/4" | DBGV125 |
| 1-1/2" | DBGV150 |
| 2" | DBGV200 |

## Stainless Steel Gate Valves



brass



316 stainless

**Features**
- Threaded bonnet
- Integral seat
- Adjustable packing nut
- Non-rising stem
- Solid wedge disc

**Material**
- Iron handwheel

**Specification**
- Pressure rating: **200 PSI** non-shock cold water, oil, gas

**Approval**
- 100% factory tested

| Female NPT | Brass Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1/4" | BGV25 | --- |
| 3/8" | BGV38 | --- |
| 1/2" | BGV50 | SSGV50 |
| 3/4" | BGV75 | SSGV75 |
| 1" | BGV100 | SSGV100 |
| 1-1/4" | BGV125 | SSGV125 |
| 1-1/2" | BGV150 | SSGV150 |
| 2" | BGV200 | SSGV200 |
| 2-1/2" | BGV250 | --- |
| 3" | BGV300 | --- |
| 4" | BGV400 | --- |

## Forged Steel Gate Valves



**Application**
- Can be used for steam service

**Features**
- Class 800
- ASTM A105, ANSI B120.1
- Bolted bonnet

**Specifications**
- Pressure rating: **1975 PSI**
- Maximum temperature: **800°F (427°C)**

| Female NPT | Forged Steel Part # |
|---|---|
| 1/2" | FSGV50 |
| 3/4" | FSGV75 |
| 1" | FSGV100 |
| 1-1/4" | FSGV125 |
| 1-1/2" | FSGV150 |
| 2" | FSGV200 |



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## Domestic Bronze Globe Valves

**Features**
- Union bonnet
- ASME B1.20.1
- Grafoil® packing

**Materials**
- PTFE disc
- Malleable iron handwheel

**Specifications**
- Class 150
- Pressure rating:
  **300 PSI** cold working pressure
  **150 PSI** steam working pressure

**Approval**
- 100% factory tested



| Female NPT | Bronze Part # |
|---|---|
| 1/2" | DGLBV50 |
| 3/4" | DGLBV75 |
| 1" | DGLBV100 |
| 1-1/4" | DGLBV125 |
| 1-1/2" | DGLBV150 |
| 2" | DGLBV200 |

## Forged Steel Globe Valves

**Application**
- Can be used for steam service

**Features**
- ASTM A105, ANSI B120.1
- Bolted bonnet

**Specifications**
- Class 800
- Pressure rating: **1975 PSI**
- Maximum temperature: **800°F (427°C)**



| Female NPT | Forged Steel Part # |
|---|---|
| 1/2" | FSGLBV50 |
| 3/4" | FSGLBV75 |
| 1" | FSGLBV100 |
| 1-1/4" | FSGLBV125 |
| 1-1/2" | FSGLBV150 |
| 2" | FSGLBV200 |

# Betts Wet-R-Dri™ Butterfly Valves



### Application
- Designed for handling liquid, gaseous, or dry products

### Features
- Has a positive stop in the open and closed position
- Detent spring and ball assist in holding the disc in the open and closed position
- Drilling fits TTMA recommended standards
- Opens by turning hand 1/4 turn counter clockwise

### Specification
- Temperature range: **0°F** to **400°F (-17°C** to **204°C)**

### Manual

| Size | Maximum Working Pressure PSI | Extruded aluminum body with FKM-B disc Part # |
|---|---|---|
| 2" | 75 | WD201ALVB |
| 3" | | WD301ALVB |
| 4" | | WD401ALVB |
| 5" | | WD501ALV |
| 6" | | WD601ALV |
| 8" | | WD801ALV |

### Metering

| Size | Maximum Working Pressure PSI | Extruded aluminum body with FKM-B disc Part # |
|---|---|---|
| 2" | 75 | WD206ALVB |
| 3" | | WD306ALVB |
| 4" | | WD406ALVB |
| 5" | | WD506ALV |
| 6" | | WD606ALV |
| 8" | | WD806ALV |

### Replacement Handles

| Part # | Description |
|---|---|
| 28967ALEY | replacement handle for 2", 3", 4", and 5" manual handle valves |
| 25933AL | replacement handle for 6" and 8" manual handle valves |
| 28981ALEY | replacement handle for 2", 3', 4", and 5" metering handle valves |
| 26287AL | replacement handle for 6" and 8" metering handle valves |

NOTE: For flange dimensions, diagrams and additional information please reference dixonvalve.com.



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# Ductile Iron Butterfly Valves

⚠ *NOT RECOMMENDED FOR STEAM SERVICE*

### Application
- For use between two 150 lb. flanges

### Feature
- 10 position trigger grip handle

### Specification
- Pressure rating: **200 PSI** at ambient temperature **70°F (21°C)**

## Threaded Lug Style Butterfly Valves



### Materials
- Ductile iron body, ASTM A536
- Aluminum bronze disc, ASTM B148, ALY.954
- PTFE bushing
- Stainless steel top and bottom stems

| Size | Ductile Iron with Nitrile Rubber Liner Part # | Ductile Iron with EPDM Liner Part # |
|---|---|---|
| 2" | BFVL200 | BFVL200E |
| 3" | BFVL300 | BFVL300E |
| 4" | BFVL400 | BFVL400E |
| 6" | BFVL600 | BFVL600E |

## Wafer Style 150 lb. Butterfly Valves with Aluminum Bronze Disc



### Materials
- Ductile iron body, ASTM A536
- Aluminum bronze disc, ASTM B148, ALY.954
- PTFE bushing
- Stainless steel top and bottom stems

| Size | Ductile Iron with Nitrile Rubber Liner Part # | Ductile Iron with EPDM Liner Part # |
|---|---|---|
| 2" | BBFVW200 | BBFVW200E |
| 3" | BBFVW300 | BBFVW300E |
| 4" | BBFVW400 | BBFVW400E |
| 6" | BBFVW600 | BBFVW600E |

## Wafer Style 150 lb. Butterfly Valves with Stainless Disc



### Materials
- Ductile iron body, ASTM A536
- Stainless steel disc, ASTM A351, GR. CF-8M
- Nitrile rubber seal and stem seals
- PTFE bushing
- Stainless steel top and bottom stems

| Size | Ductile Iron with Nitrile Rubber Liner Part # |
|---|---|
| 2" | BFVW200 |
| 3" | BFVW300 |
| 4" | BFVW400 |
| 6" | BFVW600 |

## Wafer Style 150 lb. Butterfly Valves with Iron Disc



### Materials
- Ductile iron body, ASTM A536
- Nickel plated ductile iron disc
- Nitrile rubber seal and stem seals
- PTFE bushing
- 416 stainless stem

| Size | Ductile Iron with Nitrile Rubber Liner Part # | Ductile Iron with EPDM Liner Part # |
|---|---|---|
| 3" | IBFVW300 | IBFVW300E |
| 4" | IBFVW400 | IBFVW400E |
| 6" | IBFVW600 | IBFVW600E |



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# Flow Control Valves

## Steel Series-F



### Features

- Two-step needle provides fine adjustments at low flow with the first three turns of the adjusting knob; the next three turns give full-open needle position and conventional throttling control; when flow is reversed, a heavy-duty poppet/retainer permits full-flow return capacity
- Color-coded reference scale simplifies flow setting, resetting, adjusting, and return to original flow; a simple set screw locks the valve on any desired setting

### Specifications

- Maximum operating pressure:
  **5000 PSI** at **70°F (21°C)** for 1/8" - 1/2"
  **3000 PSI** at **70°F (21°C)** for 3/4" - 2"

| Female NPTF | Black Oxide Steel Part # |
|---|---|
| 1/8" | SFC200 |
| 1/4" | SFC400 |
| 3/8" | SFC600 |
| 1/2" | SFC800 |
| 3/4" | SFC1200 |
| 1" | SFC1600 |
| 1-1/2" | SFC2400 |
| 2" | SFC3200 |

## Brass Series-F



### Features

- Provides precision flow control and full shutoff in one flow direction; automatically allows unrestricted flow in the opposite direction
- Two-step needle for fine adjustments at low flow with first three turns of the adjusting knob; next three turns give full-open needle position and conventional throttling control
- When flow is reversed, the heavy-duty poppet/retainer permits full flow return capacity
- Color-coded scale simplifies flow setting, resetting, adjusting, and return to an original flow
- A set screw locks the valve on any desired setting

### Specifications

- Maximum operating pressure:
  **2000 PSI** at ambient temperature **70°F (21°C)** for sizes 1/8" - 3/4"
  **500 PSI** at ambient temperature **70°F (21°C)** for 1"

| Female NPTF | Brass Part # |
|---|---|
| 1/8" | BFC200 |
| 1/4" | BFC400 |
| 3/8" | BFC600 |
| 1/2" | BFC800 |
| 3/4" | BFC1200 |
| 1" | BFC1600 |

## Series-MV Metering



### Features

- Easily make fine adjustments and resets with color code feature that shows when desired setting is reached
- Body components are precision-turned from solid barstock

### Material

- 416 stainless steel needle

### Specification

- Maximum operating pressure:
  **5000 PSI** at **70°F (21°C)**

| Female NPTF | Steel Part # |
|---|---|
| 1/4" | SMV400 |
| 3/8" | SMV600 |



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# Flow Control Valves

## Steel Series-N

### Features
- Excellent speed control on hydraulic systems where a reverse flow check valve is not needed
- Reliable shutoff in a very small envelope; color-coded reference scale simplifies setting, resetting, adjusting, and quick return to a previous speed setting

### Specifications
- Maximum operating pressure:
  **5000 PSI** at **70°F (21°C)** for 1/8" - 3/4"
  **3000 PSI** at **70°F (21°C)** for 1" - 1-1/4"



| Female NPTF | Steel Part # |
|---|---|
| 1/8" | SN200 |
| 1/4" | SN400 |
| 3/8" | SN600 |
| 1/2" | SN800 |
| 3/4" | SN1200 |
| 1" | SN1600 |
| 1-1/4" | SN2000 |

## Brass Series-N

### Features
- For use as speed control on hydraulic and pneumatic systems where a reverse flow check valve is not needed
- Provides excellent control and reliable shutoff in a very small envelope
- Color-coded scale simplifies setting, resetting, adjusting, and quick return to a previous speed setting

### Specifications
- Maximum operating pressure:
  **2000 PSI** at **70°F (21°C)** for 1/8" - 3/4"
  **500 PSI** at **70°F (21°C)** for 1"



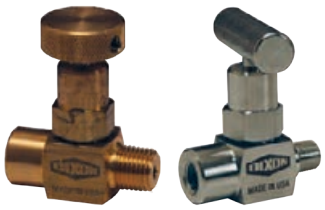
| Female NPTF | Brass Part # |
|---|---|
| 1/8" | BN200 |
| 1/4" | BN400 |
| 3/8" | BN600 |
| 1/2" | BN800 |
| 3/4" | BN1200 |
| 1" | BN1600 |

## Mini Needle Valves

**Features**
- Available in a variety of materials and handle options
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- Stem threads are rolled for strength and ease of operation

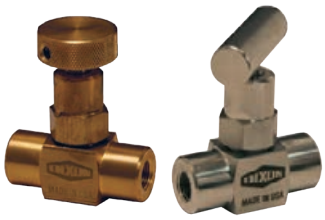
**Material**
- Stems: 316 stainless steel

**Specifications**
- Metal-to-metal hard seat design is 100% helium leak tested to 1 x 10-4 ml/s at **200 PSI**
- 1/8" and 1/4" are orifice size: 0.172", flow coefficient: 0.42
- 1/2": orifice size are 0.187", flow coefficient: 0.44, hex body



### Male to Female

| NPT Size | Handle Style | PSI @ 200°F | Brass Part # | Handle Style | PSI at 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|---|---|---|
| 1/8" - 27 | knurled knob | **6000** | MFB101 | T design | **10000** | MFC101 | MFS101 |
| 1/4" - 18 | knurled knob | **6000** | MFB102 | T design | **10000** | MFC102 | MFS102 |
| 1/2" - 14 | --- | --- | --- | T design | **10000** | MFC404 | MFS404 |



### Female to Female

| NPT Size | Handle Style | PSI at 200°F | Brass Part # | Handle Style | PSI at 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|---|---|---|
| 1/8" - 27 | knurled knob | **6000** | FFB101 | T design | **10000** | FFC101 | FFS101 |
| 1/4" - 18 | knurled knob | **6000** | FFB102 | T design | **10000** | FFC102 | FFS102 |
| 1/2" - 14 | --- | --- | --- | T design | **10000** | FFC404 | FFS404 |

## Multiport Needle Valves

**Features**
- Reduces the number of gauge and other instrument connections to permanent piping installations, decreasing possible leak paths
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- Stem threads are rolled for strength and ease of operation

**Material**
- Stems: 316 stainless steel

**Specifications**
- Metal-to-metal hard seat design is 100% helium leak tested to 1 x 10-4 ml/s at **200 PSI**
- 1/2" female NPT port
- Orifice size is 0.187", flow coefficient: 0.44



### Hard Seat Male to Female

| NPT Size | Handle Style | PSI at 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" - 14 | T design | **10000** | MFC204 | MFS204 |
| 3/4" - 14 | | | MFC20604 | MFS20604 |

### Soft Seat Male to Female

| NPT Size | Handle Style | PSI at 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1/2" - 14 | T design | **6000** | MFC304 | MFS304 |
| 3/4" - 14 | | | MFC30604 | MFS30604 |

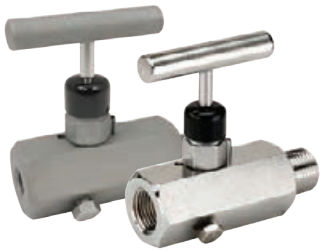
## Block and Bleed Needle Valves

### Application
- Allows pressure to be bled off without disturbing the permanent piping installation allowing quick and easy removal or replacement of instruments

### Features
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- Stem threads are rolled for strength and ease of operation
- 0.090" bleed hole located on bottom is controlled by a 1/4"-20 UNF-2A bleed screw

### Material
- Stems: 316 stainless steel

### Specifications
- Metal-to-metal hard seat design is 100% helium leak tested to 1 x 10-4 ml/s at **200 PSI**
- Orifice size is 0.187", flow coefficient: 0.44



### Hard Seat Male to Female

| NPT Size | Handle Style | PSI at 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" - 18 | T design | **10000** | MFC602 | MFS602 |
| 1/2" - 14 | | | MFC604 | MFS604 |



### Soft Seat Male to Female

| NPT Size | Handle Style | PSI at 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" - 18 | T design | **6000** | MFC702 | MFS702 |
| 1/2" - 14 | | | MFC704 | MFS704 |

## Bleed Needle Valves

### Application
- Convenient way to relieve process pressures trapped between a shut-off valve and the instrument

### Features
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- Stem threads are rolled for strength and ease of operation
- 0.159" bleed port

### Materials
- Non-rotating soft tip stem and a backup metal-to-metal seal
- Stems: 316 stainless steel

### Specification
- Metal-to-metal hard seat design is 100% helium leak tested to 1 x 10-4 ml/s at **200 PSI**



316 stainless

### Hard Seat Male

| NPT Size | Handle Style | PSI at 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" - 18 | T design | **10000** | MC802 | MS802 |
| 1/2" - 14 | | | MC804 | MS804 |



### Soft Tip Male

| NPT Size | Handle Style | PSI at 200°F | Zinc Nickel Plated Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" - 18 | T design | **6000** | MC852 | MS852 |
| 1/2" - 14 | | | MC854 | MS854 |



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# Valves

## Button



| Thread | Brass Part # |
|---|---|
| 1/4" NPT female | BV2F |
| 1/4" NPT male | BV2M |

## Tank Filler



TFV1S



TFV2



TFV1L



TFV2HB

**Applications**
- Used on compressed air tanks and other applications

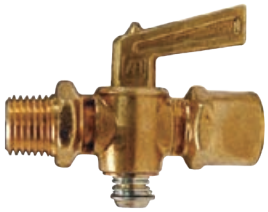
**Feature**
- Standard valve stem thread

| Connection | Length | Nickel Plated Part # | Length | Brass Part # |
|---|---|---|---|---|
| 1/8" NPT | .85" | TFV1S | --- | --- |
| | 1.24" | TFV1L | --- | --- |
| 1/4" NPT | 1" | TFV2 | --- | --- |
| 1/4" barb | --- | --- | 1.57" | TFV2HB |

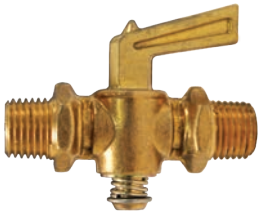
## Brass Lever External Drains

**Application**
- For air service only ⚠

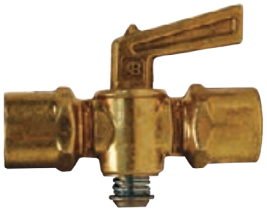
**Specification**
- Maximum operating pressure: **30 PSI** at ambient temperature **70°F (21°C)**



| Female NPT | Male NPT | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | LDC2 |



| Male NPT | Male NPT | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | LDCM2 |



| Female NPT | Female NPT | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | LDCF2 |

## Brass External Drain Cocks

**Application**
- Designed for low pressure water and air applications



**Specification**
- Maximum operating pressure: **150 PSI** at ambient temperature **70°F (21°C)**

| NPT Size | Brass Part # |
|---|---|
| 1/8" | D02 |



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# Needle Valves

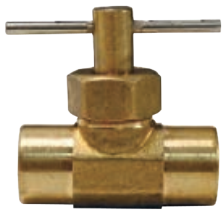
**Application**
- Designed for air and water applications

**Feature**
- Metal-to-metal seats allow positive sealing and flow adjustment

**Specification**
- Maximum working pressure: **150 PSI** at ambient temperature **70°F (21°C)**

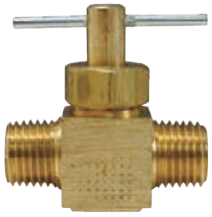
## Female x Female

| Female NPT | Female NPT | Brass Part # |
|---|---|---|
| 1/8" | 1/8" | NV2F |
| 1/4" | 1/4" | NV4F |



## Male x Male

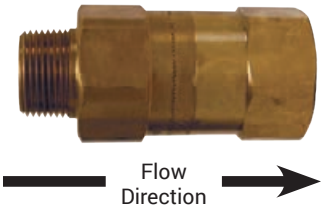
| Male NPT | Male NPT | Brass Part # |
|---|---|---|
| 1/4" | 1/4" | NV4M |



# Safety Check Valves

## Applications
- Used in temporary plant/factory air lines, construction sites, shipyards, or utilities
- Not for use in applications where 100% of the available air is required, i.e. sand blast, pile driving rigs, expansion joint blow down pipes, etc.

## Features
- High-flow valve provides optimum performance
- Controls excess air flow (SCFM) in only one direction
- Automatically senses change in air flow and shuts off the flow in the event of a surge in excess of valve flow rating thus preventing hose whip
- Does not prevent backflow

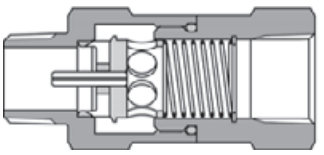



## Materials
- Solid brass body and valve
- Stainless steel spring and roll pin

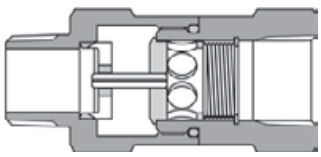
## Specifications
- Maximum operating pressure: **350 PSI**
- Maximum temperature: **250°F (121°C)**

## Approval
- Conforms to OSHA regulation 1926.302 (b) (7) requiring a safety device at the source of the air supply and at branch air lines

## How It Works
- Safety check valves utilize the pressure differential across the valve to operate the valve and spring assembly. The pressure differential is directly related to the flow of air (SCFM) through the valve.
- When the pressure differential is within the operating limits - below the cutoff flow - of the unit, the force on the valve exerted by the spring is greater than that caused by the pressure differential (see "Open Position" graphic above). The valve remains open and normal operation continues.
- When the pressure differential is above the cutoff limit, the force on the valve exerted by the pressure differential is greater than the force exerted by the spring, and the valve closes (see the "Closed Position" graphic to the right).
- After the repair is made, normal operation is automatically enabled when pressure across the valve equalizes through the bleeder hole.
- The valve spring size can be specified by determining the air flow during normal operation and by estimating the air flow if a failure or rupture occurs.



Open Position



Closed Position

| NPT & Hose I.D. Size | Cut-off Flow Rate (SCFM at 90 PSI) | Brass Part # | NPT & Hose I.D. Size | Cut-off Flow Rate (SCFM at 90 PSI) | Brass Part # |
|---|---|---|---|---|---|
| 1/4" | 23-29 | SCVL2 | 1-1/4" | 260-290 | SCVL10 |
| 3/8" | 30-36 | SCVL3 | | 300-340 | SCVM10 |
| | 39-47 | SCVM3 | | 440-500 | SCVS10 |
| | 52-65 | SCVS3 | | 570-630 | SCVH10 |
| 1/2" | 70-78 | SCVM4 | 1-1/2" | 300-360 | SCVL12 |
| | 80-96 | SCVS4 | | 470-530 | SCVM12 |
| 3/4" | 72-88 | SCVL6 | | 564-602 | SCVX12 |
| | 92-108 | SCVM6 | | 640-720 | SCVS12 |
| | 112-128 | SCVR6 | | 750-830 | SCVH12 |
| | 132-148 | SCVJ6 | 2" | 510-590 | SCVL16 |
| | 160-180 | SCVS6 | | 725-825 | SCVM16 |
| | 180-200 | SCVH6 | | 900-1050 | SCVS16 |
| 1" | 165-195 | SCVL8 | | 1100-1200 | SCVH16 |
| | 220-260 | SCVM8 | 3" | 1200-1400 | SCVL24 |
| | 280-320 | SCVS8 | | 2400-2700 | SCVS24 |



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# Safety Pop-Off Valves

### Application
- For use on compressors and in compressed air service

### Feature
- Designed to protect un-fired pressure vessels from over-pressure

### Specification
- Maximum temperature: **400°F (204°C)**

### Approvals
- ASME Code, National Board Certified
- CSA B51-03 certified

## Soft Seat

### Material
- Constructed of precision machined brass bar stock with a silicone disc sealing on the brass



| Male NPT | Preset Pressure PSI | SCFM | Brass Part # |
|---|---|---|---|
| 1/4" | **100** | 51 | KSV10-100 |
| | **125** | 62 | KSV10-125 |
| | **150** | 73 | KSV10-150 |
| | **175** | 84 | KSV10-175 |

## Standard

### Materials
- Brass valves are supplied with a stainless steel ball
- Stainless valves are all stainless construction with a soft seat



| Male NPT | Preset Presure PSI | SCFM | Brass Part # | SCFM | Stainless Steel Part # |
|---|---|---|---|---|---|
| 1/4" | **30** | 35 | SV30 | 35 | SV30SS |
| | **100** | 89 | SV100 | 92 | SV100SS |
| | **125** | 109 | SV125 | 112 | SV125SS |
| | **150** | 129 | SV150 | 132 | SV150SS |
| | **175** | 149 | SV175 | 153 | SV175SS |
| | **200** | 168 | SV200 | 173 | SV200SS |

## Heavy Duty, High Capacity

### Material
- All-brass construction with stainless steel ball on a precision machined brass seat



| Male NPT | Preset Pressure PSI | SCFM | Brass Part # |
|---|---|---|---|
| 1/2" | **30** | 73 | SV30HD[1] |
| | **100** | 208 | SV100HD |
| | **125** | 254 | SV125HD |
| | **150** | 300 | SV150HD |
| | **175** | 346 | SV175HD |
| | **200** | 391 | SV200HD |

[1] Constructed with soft seat

## Series-C Check Valves



brass



steel

**Feature**
- Provides free flow in one direction and dependable shutoff in the opposite direction

**Specifications**
- Maximum operating pressure: **2000 PSI** at ambient temperature **70°F (21°C)**
- Cracking pressure: **5 PSI**

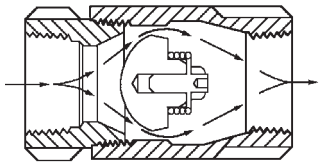
| Female NPT | Free Flow GPM | Maximum Operating PSI at 70°F (21°C) | Brass Part # | Maximum Operating PSI at 70°F (21°C) | Steel Part # |
|---|---|---|---|---|---|
| 1/8" | 3 | **2000** | BCV200 | **5000** | SCV200 |
| 1/4" | 5 | **2000** | BCV400 | **5000** | SCV400 |
| 3/8" | 8 | **2000** | BCV600 | **5000** | SCV600 |
| 1/2" | 15 | **2000** | BCV800 | **5000** | SCV800 |

## Domestic Ball Cone Check Valves

**Application**
- For use with water, oil, or inert gases. Not recommended for use on or near reciprocating pumps or other similar vibration causing machinery.

**Features**
- Tight shutoff with liquid media
- No radial alignment necessary
- Straight through and streamlined for minimum change in velocity
- Reinforced PTFE check is spring loaded for fast seating action.

**Specifications**
- Pressure rating: **400 PSI WOG**, cold non-shock; **125 PSI** saturated steam
- Cracking pressure: **.5 PSI**
- Temperature range: **-20°F** to **353°F (-29°C** to **178°C)**



**Pressure Ratings**

| Temperature | Pressure WOG (PSI) |
|---|---|
| **-20°F to 100°F (-29°C to 38°C)** | **400** |
| **200°F (93°C)** | **200** |
| **250°F (121°C)** | **160** |
| **275°F (135°C)** | **150** |
| **300°F (149°C)** | **140** |
| **325°F (163°C)** | **130** |
| **353°F (178°C)** | **125** |





### Ball Cone Check Valve Female NPT x Female NPT

| Size | Brass Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1/4" | 61-101 | 62-101 |
| 3/8" | 61-102 | 62-102 |
| 1/2" | 61-103 | 62-103 |
| 3/4" | 61-104 | 62-104 |
| 1" | 61-105 | 62-105 |
| 1-1/4" | 61-106 | 62-106 |
| 1-1/2" | 61-107 | 62-107 |
| 2" | 61-108 | 62-108 |
| 2-1/2" | 61-109 | --- |
| 3" | 61-100 | --- |



### Ball Cone Check Valve Male NPT x Female NPT

| Size | Brass Part # |
|---|---|
| 1/4" | 61-201 |
| 3/8" | 61-202 |
| 1/2" | 61-203 |
| 3/4" | 61-204 |
| 1" | 61-205 |
| 1-1/4" | 61-206 |

## 800 PSI Stainless Steel Check Valves

### Features
- Soft PTFE seat is spring loaded for fast seating action
- Flow profile designed to minimize head loss
- Corrosion resistance, excellent for use on chemicals
- Dual guided stem and disc

### Specifications
- Temperature range: **10°F** to **450°F** (**-12°C** to **232°C**)
- Pressure rating: **800 PSI WOG**; **125 PSI** saturated steam
- Cracking pressure: .**5 PSI**



| Female NPT | 316 Stainless Steel Part # |
|---|---|
| 1/4" | SSCVIL025 |
| 3/8" | SSCVIL038 |
| 1/2" | SSCVIL050 |
| 3/4" | SSCVIL075 |
| 1" | SSCVIL100 |
| 1-1/4" | SSCVIL125 |
| 1-1/2" | SSCVIL150 |
| 2" | SSCVIL200 |

## Forged Steel Check Valves

### Features
- ASTM A105, ANSI B120.1
- Bolted bonnet
- Can be used for steam service

### Specifications
- Class 800
- Pressure rating: **1975 PSI**
- Maximum temperature: **800°F (427°C)**



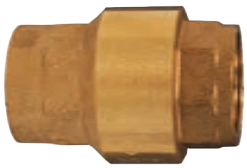
| Female NPT | Forged Steel Part # |
|---|---|
| 1/2" | FSCV50 |
| 3/4" | FSCV75 |
| 1" | FSCV100 |
| 1-1/4" | FSCV125 |
| 1-1/2" | FSCV150 |
| 2" | FSCV200 |

## Spring-Loaded Check Valves

### Features
- Soft seat for bubble tight shutoff, spring loaded for fast seating action
- Flow profile designed to minimize head loss

### Material
- NBR seat

### Specifications
- Pressure rating :1/2" - 2" **400 PSI WOG**; 3" - 4" **175 PSI WOG**
- Temperature range: **10°F** to **210°F (-10°C** to **100°C)**
- Cracking pressure: **0.50 PSI**

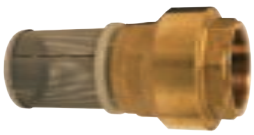


| Female NPT | Brass Part # |
|---|---|
| 1/2" | CV050 |
| 3/4" | CV075 |
| 1" | CV100 |
| 1-1/4" | CV125 |
| 1-1/2" | CV150 |
| 2" | CV200 |
| 3" | CV300 |
| 4" | CV400 |



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## Strainer with Spring-Loaded Check Valves



### Features
- Soft seat for bubble tight shutoff, spring loaded for fast seating action
- Flow profile designed to minimize head loss

### Material
- Brass with NBR seat and stainless steel strainer

### Specifications
- Temperature range: **10°F** to **210°F (-10°C** to **100°C)**
- Cracking pressure: **0.50 PSI**
- Pressure rating: 1-1/2" to 2" **400 PSI WOG**, 3"-4" **175 PSI WOG**

| Female NPT | Brass Part # |
|---|---|
| 1-1/2" | BVFS20 |
| 2" | BVFS25 |
| 3" | BVFS35 |
| 4" | BVFS40 |

## Swing Check Valves

### Applications
- For use in plumbing and liquid piping systems to prevent back flow
- For horizontal or vertical use



### Features
- Full flow performance with a minimum of turbulence or pressure loss
- A positive seating disc allows flow only in one direction and a screw-in cap provides easy access for periodic cleaning.

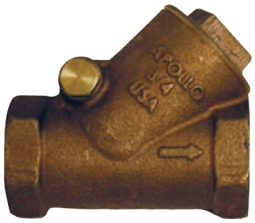
### Material
- Brass disc

### Specifications
- Pressure rating: **200 PSI WOG**
- Temperature range: **-20°** to **150°F (-29°C** to **66°C)**

| Female NPT | Brass Part # |
|---|---|
| 1/2" | SWCV50 |
| 3/4" | SWCV75 |
| 1" | SWCV100 |
| 1-1/4" | SWCV125 |
| 1-1/2" | SWCV150 |
| 2" | SWCV200 |
| 3" | SWCV300 |
| 4" | SWCV400 |

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## Domestic Swing Check Valves



### Features
- Class 150
- ASME B1.20.1
- 100% factory tested

### Specifications
- Working pressure: **300 PSI** cold, **150 PSI** steam
- Temperature range: **-20°F to 406°F (-29°C** to **208°C)**

### Material
- Metal seat

| Female NPT | Brass Part # |
|---|---|
| 1/2" | DSCV50 |
| 3/4" | DSCV75 |
| 1" | DSCV100 |
| 1-1/4" | DSCV125 |
| 1-1/2" | DSCV150 |

## Drum Plug Wrenches

**Features**
- Sparkproof, natural finish is safe around flammables
- Offset handle design reduces user stress and minimizes knuckle injury

| Bronze Part # | Aluminum Part # |
|---|---|
| DPW | ADPW |


DPW


ADPW

## Drum Faucets

### Polyethylene Drum Faucets

**Features**
- No wrench needed for screwing into drum opening
- 2" faucet is shipped with a gasket; the 3/4" does not require a gasket

**Specification**
- Faucets are *not* to be used in applications where temperatures exceed **140°F (60°C)**.

| NPT Thread | Gold Polyethylene Part # |
|---|---|
| 3/4" | PEDF75 |
| 2" | PEDF200 |



FM

### Stainless Heavy Duty Adjustable Drum Faucets

**Feature**
- Adjustable shank is designed to easily adjust to proper drain position after installing in drum

**Material**
- PTFE gasket

**Specification**
- 3/4" NPT connection

**Approval**
- FM approved for use with oils and non-flammables

| Stainless Steel Part # |
|---|
| HDSSF75 |



FM

### Brass Heavy Duty Adjustable Drum Faucets

**Feature**
- Easy-to-use, self-closing design

**Specification**
- 3/4" NPT connection

**Approval**
- FM approved for use with oils and non-corrosive flammables

| Brass Part # |
|---|
| AHDBF75 |



FM

### Brass Heavy Duty Drum Faucet with Rigid Shanks

**Feature**
- Easy-to-use, self-closing design

**Material**
- PTFE gasket

**Specification**
- 3/4" NPT connection

**Approval**
- FM approved for use with oils and non-corrosive flammables

| Brass Part # |
|---|
| HDBF75 |



## Compression Bibb Faucets

**Application**
- For water use only

**Feature**
- Rough brass finish
- Nozzle end is GHT

| Male NPT Inlet | Brass Part # |
|---|---|
| 1/2" | 35-201-10 |



## Drum Thread Adapters



**Application**
- For use in gravity discharge from drums

**Features**
- Male NPSH thread with gasket on the drum side allows for a connection to drums with female NPSH thread
- Male NPT end allows for a connection with the female NPT found on most ball valves

| Size | Cast Brass Part # |
|---|---|
| 2" x 2" | DMH20DR20 |

## Drum Gate Valves



**Application**
- Ideal for drawing non-flammable liquids from drums and tanks

**Features**
- Manually operated
- Machined and lapped brass faceplate designed for oval discharge, ensures no splashing and a smooth operation
- Black Japanned finish
- Can be padlocked

| Male NPT | Iron Part # |
|---|---|
| 3/4" | D71 |
| 2" | D75 |



**Features**
- Lightweight, durable aluminum body provides improved corrosion resistance for certain fluids
- Sturdy 2" handle is stamped metal with black enamel finish
- Can be padlocked

| Male NPT | Aluminum Part # |
|---|---|
| 2" | D75AL |

## Self-Closing Gate Valves



**Application**
- Ideal for dispensing viscous liquids such as oil, grease, paint, varnish, and syrups from drums and tanks

**Features**
- Gate closes automatically when handle is released, cleaning discharge surface
- Can be padlocked

**Material**
- Gray iron body, brass sliding gate, and machine lapped sealing surface

| Male NPT | Iron Part # |
|---|---|
| 3/4" | D71SC |
| 2" | D75SC |

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## Threaded Pipe Fittings.....919 - 949


NPT threaded bell reducers ..... 919 - 920
Adapters ..... 920
NPT threaded couplings ..... 921
Merchant couplings ..... 921
NPT threaded unions ..... 922
Female hex couplings ..... 922
NPT threaded reducer hex bushings ..... 923 - 924
Reducer hex bushings ..... 925
Adapters ..... 925
Pump adapters ..... 925
Nipples ..... 926
- Pipe ..... 926
- Adapters ..... 926
- Threaded both ends ..... 927
- Close ..... 927 - 928
- Hex ..... 928
- Adapters ..... 929

90° Elbows ..... 930
- NPT threaded ..... 930
- Female pipe ..... 930
- NPT threaded reducing ..... 931
- Street ..... 931
- Male Pipe ..... 931
- NPT threaded street ..... 932

45° Elbows ..... 933
Tees ..... 934 - 936
- NPT threaded female ..... 934
- Female ..... 934
- Threaded side outlet elbows ..... 935
- Threaded female reducing ..... 935
- Threaded street service ..... 935
- Threaded bull head ..... 935
- Threaded side outlet ..... 935
- Street ..... 936
- Male branch ..... 936
- NPT threaded crosses ..... 936
- Pipe crosses ..... 936

Caps ..... 937
- NPT threaded ..... 937
- NPTF pipe ..... 937

Plugs ..... 938
- NPT threaded square head ..... 938
- Hex head ..... 938
- Hex socket ..... 938

Tuff-Lite® ..... 939 - 942
- Pipe couplings ..... 939
- Female NPT x female NPT adapters ..... 939
- Threaded swivel nut adapters ..... 939
- Reducing bushings ..... 939
- Close nipples ..... 940
- Hex nipples ..... 940
- Reducer nipples ..... 940
- Nipples ..... 940

90° elbows ..... 941
- 90° Male NPT elbows ..... 941
- 90° Street elbows ..... 941
- Tees ..... 941
- Cross ..... 941
- Female threaded swivel nuts ..... 942
- Threaded caps ..... 942
- Hex head drain plugs ..... 942
- Square head drain plugs ..... 942
- Pipe caps ..... 942
- Pipe plugs ..... 942

Bulkhead fittings ..... 943
Bulkhead couplings ..... 943
Bolted fittings ..... 944
Threaded concentric nipples ..... 945
Bull plugs ..... 946
- Bull plugs with tap ..... 946

Hammer unions ..... 947 - 949


## Weld .....950 - 952


Weld end metal hose fittings ..... 950
NPT threaded pipe fittings ..... 951
Dixon® hex nipples ..... 951
Dixon octagonal nipples ..... 951
Dixon octagonal wrench grips ..... 952
Dixon weld-on hex wrench grips ..... 952
Socket weld butterfly valve flanges ..... 952


## Tube Fittings.....953 - 997


Straub restraint pipe couplings ..... 953
Straub open-flex 1L couplings ..... 954
Boss ductile flanges ..... 955
Forged lap joint flanges ..... 956
Forged slip-on flanges ..... 956
Forged NPT threaded flanges ..... 956
Weld neck ASA forged flanges ..... 957
Flat face flange ..... 957
King turned back weld-to-metal hose nipples ..... 957
Quick release couplings ..... 958
Standard couplings ..... 959
Lightweight flexible couplings ..... 960
Rigid couplings ..... 961


P

## Tube Fittings (cont.) .....953 - 997

Grooved bolted clamps.....962
Painted iron clamps.....962
Mechanical tees.....963
Flange adapters.....964
Split flanges.....964
Reducing adapters.....964
Grooved end fittings.....965
Caps with tapped outlet.....966
Blank caps.....966
Long pipe style nipples.....966
Grooved end nipples.....966
Grooved end butterfly valves.....966
Grooved fitting gaskets.....967
Grooved fitting accessories.....968
High density polyethylene couplings.....969
Y line strainers.....970
T line strainers.....970
Gas couplings and adapters.....971 - 972
Acme spanner wrench.....972
Gas hose caps and plugs.....973
Instrumentation fittings.....974 - 977
Compression fittings.....978 - 983
Flare fittings.....984 - 986
Flareless bite fittings.....987 - 989
Push to connect fittings.....990 - 991
LIQUIfit™ fittings.....992 - 995
TrueSeal™ ball valves.....996 - 997

P

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# NPT Threaded Bell Reducers

**Features**

- Other sizes available
- 304 stainless steel fittings are also available; consult Dixon® for pricing and availability

| Female NPT | Female NPT | 300# Iron Part # | 150# Iron Part # | 150# Galvanized Iron Part # |
|---|---|---|---|---|
| 1/4" | 1/8" | --- | BR1418 | --- |
| 3/8" | 1/8" | --- | BR3818 | --- |
| | 1/4" | --- | BR3825 | --- |
| 1/2" | 1/4" | 300BR5025 | BR5025 | BR5025G |
| | 3/8" | --- | BR5038 | BR5038G |
| 3/4" | 1/4" | --- | BR7525 | --- |
| | 3/8" | --- | BR7538 | --- |
| | 1/2" | 300BR7550 | BR7550 | BR7550G |
| 1" | 1/4" | --- | BR1025 | --- |
| | 3/8" | --- | BR1038 | --- |
| | 1/2" | --- | BR1050 | BR1050G |
| | 3/4" | 300BR1075 | BR1075 | BR1075G |
| 1-1/4" | 1/2" | --- | BR1250 | --- |
| | 3/4" | --- | BR1275 | --- |
| | 1" | 300BR1210 | BR1210 | BR1210G |
| 1-1/2" | 3/4" | --- | BR1575 | --- |
| | 1" | 300BR1510 | BR1510 | BR1510G |
| | 1-1/4" | 300BR1512 | BR1512 | BR1512G |
| 2" | 3/4" | --- | BR2075 | --- |
| | 1" | 300BR2010 | BR2010 | BR2010G |
| | 1-1/4" | 300BR2012 | BR2012 | --- |
| | 1-1/2" | 300BR2015 | BR2015 | BR2015G |
| 2-1/2" | 1" | --- | BR2510 | --- |
| | 1-1/2" | --- | BR2515 | --- |
| | 2" | --- | BR2520 | BR2520G |
| 3" | 1" | --- | BR3010 | --- |
| | 1-1/4" | --- | BR3012 | --- |
| | 1-1/2" | --- | BR3015 | --- |
| | 2" | --- | BR3020 | BR3020G |
| | 2-1/2" | --- | BR3025 | BR3025G |
| 4" | 1" | --- | BR4010 | --- |
| | 1-1/2" | --- | BR4015 | --- |
| | 2" | --- | BR4020 | --- |
| | 2-1/2" | --- | BR4025 | --- |
| | 3" | --- | BR4030 | BR4030G |
| 6" | 3" | --- | BR6030 | --- |
| | 4" | --- | BR6040 | --- |



300# iron



150# iron



150# galvanized iron

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NOTE: For additional information on pipe dimensions, please reference dixonvalve.com

## NPT Threaded Bell Reducers



150# 316 stainless steel



3000# forged steel



125# brass

**Features**
- Other sizes available
- 304 stainless steel fittings are also available; consult Dixon® for pricing and availability

| Female NPT | Female NPT | 150# 316 Stain.Steel Part # | 3000# Forged Steel Part # | 125# Brass Part # |
|---|---|---|---|---|
| 1/4" | 1/8" | --- | --- | --- |
| 3/8" | 1/8" | --- | --- | --- |
| | 1/4" | BR3825SS | --- | --- |
| 1/2" | 1/4" | BR5025SS | --- | --- |
| | 3/8" | BR5038SS | BR5038FS | BR5038B[1] |
| 3/4" | 3/8" | BR7538SS | --- | --- |
| | 1/2" | BR7550SS | BR7550FS | BR7550B[1] |
| 1" | 1/2" | BR1050SS | --- | BR1050B |
| | 3/4" | BR1075SS | BR1075FS | BR1075B |
| 1-1/4" | 1" | BR1210SS | --- | BR1210B |
| 1-1/2" | 3/4" | --- | --- | BR1575B |
| | 1" | BR1510SS | BR1510FS | BR1510B |
| | 1-1/4" | BR1512SS | BR1512FS | --- |
| 2" | 1" | BR2010SS | BR2010FS | BR2010B |
| | 1-1/2" | BR2015SS | BR2015FS | BR2015B |
| 2-1/2" | 2" | --- | --- | BR2520B |
| 3" | 2" | BR3020SS | --- | BR3020B |
| 4" | 3" | --- | --- | BR4030B |

[1] Items will be discontinued as stock is depleted

## Adapters

### Reducer Couplings



**Feature**
- Ref SAE 130138

| Female NPTF | Brass | | Optional Qty | Lead-Free Brass[1, 2] Part # |
|---|---|---|---|---|
| | Previous Part # | Part # | | |
| 1/4" x 1/8" | RC2F1F | 3770402C | 50 | --- |
| 3/8" x 1/8" | RC3F1F | 3770602C | 50 | --- |
| 3/8" x 1/4" | RC3F2F | 3770604C | 50 | --- |
| 1/2" x 1/4" | RC4F2F | 3770804C | 25 | --- |
| 1/2" x 3/8" | RC4F3F | 3770806C | 10 | 3770806CLF |
| 3/4" x 3/8" | RC6F3F | 3771206C | 10 | --- |
| 3/4" x 1/2" | RC6F4F | 3771208C | 10 | 3771208CLF |

[1] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
NOTE: NPTF threads

NOTE: For additional information on pipe dimensions, please reference dixonvalve.com



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## NPT Threaded Couplings

| Female NPT | 300# Iron Part # | 150# Iron Part # | 150# Galvanized Iron Part # |
|---|---|---|---|
| 1/8" | --- | RHC18 | RHC18G |
| 1/4" | 300RHC25 | RHC25 | RHC25G |
| 3/8" | 300RHC38 | RHC38 | RHC38G |
| 1/2" | 300RHC50 | RHC50 | RHC50G |
| 3/4" | 300RHC75 | RHC75 | RHC75G |
| 1" | 300RHC100 | RHC100 | RHC100G |
| 1-1/4" | 300RHC125 | RHC125 | RHC125G |
| 1-1/2" | 300RHC150 | RHC150 | RHC150G |
| 2" | 300RHC200 | RHC200 | RHC200G |
| 2-1/2" | --- | RHC250 | --- |
| 3" | --- | RHC300 | RHC300G |
| 4" | --- | RHC400 | RHC400G |
| 5" | --- | RHC500 | --- |
| 6" | --- | RHC600 | --- |

| Female NPT | 150# 316 Stain. Steel Part # | 3000# Forged Steel Part # | 125# Brass Part # |
|---|---|---|---|
| 1/4" | RHC25SS | RHC25FS | RHC25B |
| 3/8" | RHC38SS | RHC38FS | RHC38B |
| 1/2" | RHC50SS | RHC50FS | RHC50B |
| 3/4" | RHC75SS | RHC75FS | RHC75B |
| 1" | RHC100SS | RHC100FS | RHC100B |
| 1-1/4" | RHC125SS | RHC125FS | RHC125B |
| 1-1/2" | RHC150SS | RHC150FS | RHC150B |
| 2" | RHC200SS | RHC200FS | RHC200B |
| 3" | RHC300SS | --- | --- |
| 4" | RHC400SS | --- | --- |


300# iron


150# iron


150# galvanized iron


150# 316 stainless steel


3000# forged steel


125# brass

P

## Merchant Couplings

**Feature**

- Other sizes are also available, consult Dixon® for pricing

| Female NPSM | Black Iron Part # |
|---|---|
| 1/4" | MRCH25 |
| 3/8" | MRCH38 |
| 1/2" | MRCH50 |
| 3/4" | MRCH75 |
| 1" | MRCH100 |
| 1-1/4" | MRCH125 |
| 1-1/2" | MRCH150 |
| 2" | MRCH200 |
| 3" | MRCH300[1] |



1. Use female NPT thread.

## NPT Threaded Unions


300# iron


150# iron


150# galvanized iron


150# 316 stainless steel


3000# forged steel


brass

**Features**
- Other sizes are also available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability

| Female NPT | 300# Iron Part # | 150# Iron Part # | 150# Galvanized Iron Part # |
|---|---|---|---|
| 1/8" | --- | MIU18 | --- |
| 1/4" | --- | MIU25 | --- |
| 3/8" | --- | MIU38 | TUN038G |
| 1/2" | 300MIU50 | MIU50 | TUN050G |
| 3/4" | 300MIU75 | MIU75 | TUN075G |
| 1" | 300MIU100 | MIU100 | TUN100G |
| 1-1/4" | --- | MIU125 | TUN125G |
| 1-1/2" | 300MIU150 | MIU150 | TUN150G |
| 2" | --- | MIU200 | TUN200G |
| 2-1/2" | --- | MIU250 | --- |
| 3" | 300MIU300 | MIU300 | --- |
| 4" | --- | MIU400 | --- |

| Female NPT | 150# 316 Stainless Steel Part # | 3000# Forged Steel Part # | 125# Brass Part # |
|---|---|---|---|
| 1/4" | TUN025SS | --- | TUN2F |
| 3/8" | TUN038SS | --- | TUN3F |
| 1/2" | TUN050SS | TUN050FS | TUN4F |
| 3/4" | TUN075SS | TUN075FS | TUN5F |
| 1" | TUN100SS | TUN100FS | TUN6F |
| 1-1/4" | TUN125SS | --- | TUN7F |
| 1-1/2" | TUN150SS | TUN150FS | TUN8F |
| 2" | TUN200SS | TUN200FS | TUN9F |

## Female Hex Couplings

P



**Feature**
- Ref SAE 130138

| NPTF | Brass | | Pkg Qty | Lead-Free Brass[1, 2] Part # |
|---|---|---|---|---|
| | Previous Part # | Part # | | |
| 1/8" x 1/8" | BA1F1F | 3710202C | 25 | 3710202CLF |
| 1/4" x 1/4" | BA2F2F | 3710404C | 25 | 3710404CLF |
| 3/8" x 3/8" | BA3F3F | 3710606C | 25 | 3710606CLF |
| 1/2" x 1/2" | BA4F4F | 3710808C | 25 | 3710808CLF |
| 3/4" x 3/4" | BA6F6F | 3711212C | 10 | --- |

[1] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
NOTE: NPTF threads

NOTE: For additional information on pipe dimensions, please reference dixonvalve.com

## NPT Threaded Reducer Hex Bushings

| Male NPT | Female NPT | 150# Iron Part # | 150# Galvanized Iron Part # | 150# 316 Stainless Steel Part # |
|---|---|---|---|---|
| 1/4" | 1/8" | HB2518 | HB2518G | HB2518SS |
| 3/8" | 1/8" | HB3818 | --- | --- |
| | 1/4" | HB3825 | HB3825G | HB3825SS |
| 1/2" | 1/8" | HB5018 | --- | --- |
| | 1/4" | HB5025 | HB5025G | HB5025SS |
| | 3/8" | HB5038 | HB5038G | HB5038SS |
| 3/4" | 1/8" | HB7518 | --- | --- |
| | 1/4" | HB7525 | HB7525G | HB7525SS |
| | 3/8" | HB7538 | HB7538G | HB7538SS |
| | 1/2" | HB7550 | HB7550G | HB7550SS |
| 1" | 1/8" | HB1018 | --- | --- |
| | 1/4" | HB1025 | HB1025G | HB1025SS |
| | 3/8" | HB1038 | HB1038G | HB1038SS |
| | 1/2" | HB1050 | HB1050G | HB1050SS |
| | 3/4" | HB1075 | HB1075G | HB1075SS |
| 1-1/4" | 1/2" | HB1250 | --- | --- |
| | 3/4" | HB1275 | --- | HB1275SS |
| | 1" | HB1210 | HB1210G | HB1210SS |
| 1-1/2" | 1/2" | HB1550 | --- | --- |
| | 3/4" | HB1575 | HB1575G | HB1575SS |
| | 1" | HB1510 | HB1510G | HB1510SS |
| | 1-1/4" | HB1512 | HB1512G | HB1512SS |
| 2" | 1/2" | HB2050 | HB2050G | --- |
| | 3/4" | HB2075 | HB2075G | HB2075SS |
| | 1" | HB2010 | HB2010G | HB2010SS |
| | 1-1/4" | HB2012 | HB2012G | HB2012SS |
| | 1-1/2" | HB2015 | HB2015G | HB2015SS |
| 2-1/2" | 1-1/2" | HB2515 | --- | --- |
| | 2" | HB2520 | HB2520G | HB2520SS |
| 3" | 1" | HB3010 | --- | --- |
| | 1-1/2" | HB3015 | --- | --- |
| | 2" | HB3020 | HB3020G | HB3020SS |
| | 2-1/2" | HB3025 | --- | HB3025SS |
| 4" | 1" | HB4010 | --- | --- |
| | 1-1/2" | HB4015 | --- | --- |
| | 2" | HB4020 | HB4020G | HB4020SS |
| | 2-1/2" | HB4025 | --- | --- |
| | 3" | HB4030 | HB4030G | HB4030SS |
| 5" | 4" | HB5040 | --- | --- |
| 6" | 3" | HB6030 | --- | --- |
| | 4" | HB6040 | --- | --- |



150# iron



150# galvanized iron



150# 316 stainless steel



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## NPT Threaded Reducer Hex Bushings



3000# forged steel



125# brass

| Male NPT | Female NPT | 3000# Forged Steel Part # | 125# Brass Part # |
|---|---|---|---|
| 1/4" | 1/8" | HB2518FS | --- |
| 3/8" | 1/8" | --- | --- |
| | 1/4" | HB3825FS | --- |
| 1/2" | 1/8" | --- | --- |
| | 1/4" | HB5025FS | --- |
| | 3/8" | HB5038FS | --- |
| 3/4" | 1/8" | --- | --- |
| | 1/4" | HB7525FS | --- |
| | 3/8" | HB7538FS | --- |
| | 1/2" | HB7550FS | --- |
| 1" | 1/4" | HB1025FS | --- |
| | 3/8" | HB1038FS | --- |
| | 1/2" | HB1050FS | --- |
| | 3/4" | HB1075FS | --- |
| 1-1/4" | 3/4" | HB1275FS | --- |
| | 1" | HB1210FS | HB1210B |
| 1-1/2" | 3/4" | HB1575FS | HB1575B |
| | 1" | HB1510FS | HB1510B |
| | 1-1/4" | HB1512FS | HB1512B |
| 2" | 1/2" | --- | HB2050B |
| | 3/4" | HB2075FS | HB2075B |
| | 1" | HB2010FS | HB2010B |
| | 1-1/4" | HB2012FS | HB2012B |
| | 1-1/2" | HB2015FS | HB2015B |
| 2-1/2" | 1-1/2" | --- | HB2515B |
| | 2" | HB2520FS | HB2520B |
| 3" | 2" | HB3020FS | HB3020B |
| | 2-1/2" | HB3025FS | HB3025B |
| 4" | 2" | --- | HB4020B |
| | 3" | HB4030FS | HB4030B |

## Reducer Hex Bushings

**Feature**
- Ref SAE 130140

| Male NPTF | Female NPTF | Brass | | Optional Qty | Lead-Free Brass[2, 3] Part # |
|---|---|---|---|---|---|
| | | Previous Part # | Part # | | |
| 1/4" | 1/8" | HB1F2M | 3730402C | 100 | 3730402CLF |
| 3/8" | 1/8" | HB1F3M | 3730602C | 100 | --- |
| | 1/4" | HB2F3M | 3730604C | 100 | 3730604CLF |
| 1/2" | 1/8" | HB1F4M | 3730802C | 25 | --- |
| | 1/4" | HB2F4M | 3730804C | 50 | 3730804CLF |
| | 3/8" | HB3F4M | 3730806C | 50 | 3730806CLF |
| 3/4" | 1/8" | HB1F6M | 3731202C[1] | 25 | --- |
| | 1/4" | HB2F6M | 3731204C | 25 | --- |
| | 3/8" | HB3F6M | 3731206C | 25 | --- |
| | 1/2" | HB4F6M | 3731208C | 25 | 3731208CLF |
| 1" | 1/4" | HB2F8M | 3731604C[1] | 10 | --- |
| | 3/8" | HB3F8M | 3731606C[1] | 10 | --- |
| | 1/2" | HB4F8M | 3731608C | 10 | --- |
| | 3/4" | HB6F8M | 3731612C | 10 | --- |



[1] SAE does not provide a standard for these sizes
[2] NSF®/ANSI 61 certified lead-free brass <=0.25% lead, Alloy C2745
[3] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

NOTE: NPTF threads

## Adapters

### Female NPTF x Male NPTF

**Feature**
- Ref SAE 130139

| Female NPTF | Male NPTF | Brass | | Optional Qty | Lead-Free Brass[1, 2] Part # |
|---|---|---|---|---|---|
| | | Previous Part # | Part # | | |
| 1/8" | 1/8" | RA1F1M | 3750202C | 100 | --- |
| 1/4" | 1/8" | RA2F1M | 3750402C | 50 | 3750402CLF |
| | 1/4" | RA2F2M | 3750404C | 50 | 3750404CLF |
| 3/8" | 1/8" | RA3F1M | 3750602C | 50 | --- |
| | 1/4" | RA3F2M | 3750604C | 50 | 3750604CLF |
| | 3/8" | RA3F3M | 3750606C | 50 | --- |
| 1/2" | 1/4" | RA4F2M | 3750804C | 25 | --- |
| | 3/8" | RA4F3M | 3750806C | 25 | --- |
| | 1/2" | RA4F4M | 3750808C | 25 | 3750808CLF |
| 3/4" | 3/8" | RA6F3M | 3751206C | 10 | --- |
| | 1/2" | RA6F4M | 3751208C | 10 | --- |
| | 3/4" | RA6F6M | 3751212C | 10 | 3751212CLF |



[1] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

NOTE: NPTF threads

## Pump Adapters

**Application**
- Used to convert BSP pump outlets to NPT

**Feature**
- Other sizes, configurations are available; contact Dixon®

**Material**
- Hard-coated, extruded 6061-T6 aircraft aluminum alloy

| Female BSP | Male NPT | Aluminum Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | AHA15BSP15T |
| 2" | 2" | AHA20BSP20T |
| 2-1/2" | 2-1/2" | AHA25BSP25T |
| 3" | 3" | AHA30BSP30T |
| 4" | 4" | AHA40BSP40T |





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# Pipe Nipples

## Long Pipe Nipples

**Feature**

- Carbon steel and stainless steel nipples are available on page 927



| NPT | Length | Brass | | Optional Qty | Lead-Free Brass[1, 2] Part # |
|---|---|---|---|---|---|
| | | Previous Part # | Part # | | |
| 1/8" | 1-1/2" | 166-0215 | 1660215C | 25 | --- |
| | 2" | 166-0220 | 1660220C | 25 | --- |
| | 2-1/2" | 166-0225 | 1660225C | 25 | --- |
| | 3" | 166-0230 | 1660230C | 25 | --- |
| | 3-1/2" | 166-0235 | 1660235C | 10 | --- |
| | 4" | 166-0240 | 1660240C | 10 | --- |
| 1/4" | 1-1/2" | 166-0415 | 1660415C | 25 | 1660415CLF |
| | 2" | 166-0420 | 1660420C | 25 | --- |
| | 2-1/2" | 166-0425 | 1660425C | 25 | --- |
| | 3" | 166-0430 | 1660430C | 25 | 1660430CLF |
| | 3-1/2" | 166-0435 | 1660435C | 10 | --- |
| | 4" | 166-0440 | 1660440C | 10 | 1660440CLF |
| | 5" | 166-0450 | 1660450C | 5 | --- |
| 3/8" | 1-1/2" | 166-0615 | 1660615C | 25 | --- |
| | 2" | 166-0620 | 1660620C | 25 | --- |
| | 2-1/2" | 166-0625 | 1660625C | 10 | --- |
| | 3" | 166-0630 | 1660630C | 10 | --- |
| | 3-1/2" | 166-0635 | 1660635C | 10 | --- |
| | 4" | 166-0640 | 1660640C | 5 | --- |
| 1/2" | 1-1/2" | 166-0815 | 1660815C | 10 | --- |
| | 2" | 166-0820 | 1660820C | 10 | --- |
| | 2-1/2" | 166-0825 | 1660825C | 10 | --- |
| | 3" | 166-0830 | 1660830C | 10 | --- |
| | 3-1/2" | 166-0835 | 1660835C | 10 | --- |
| | 4" | 166-0840 | 1660840C | 5 | --- |
| 3/4" | 2" | 166-1220 | 1661220C | 5 | --- |
| | 2-1/2" | 166-1225 | 1661225C | 5 | --- |
| | 3" | 166-1230 | 1661230C | 5 | --- |
| | 3-1/2" | 166-1235 | 1661235C | 5 | --- |
| 1" | 2" | --- | TN100X2B | --- | --- |
| | 3" | --- | TN100X3B | --- | --- |
| | 4" | --- | TN100X4B | --- | --- |
| 1-1/2" | 2" | --- | TN150X2B | --- | --- |
| | 3" | --- | TN150X3B | --- | --- |
| 2" | 3" | --- | TN200X3B | --- | --- |
| | 4" | --- | TN200X4B | --- | --- |
| | 6" | --- | TN200X6B | --- | --- |

[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

## Female NPTF x Male NPSM Adapters



| Female NPTF | Male NPSM | Brass | | Optional Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/4" | 1/4" | 174-0404 | 1740404C | 100 |
| 3/8" | 3/8" | 174-0606 | 1740606C | 50 |
| 1/2" | 1/2" | 174-0808 | 1740808C | 50 |



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# Pipe Nipples - Threaded Both Ends

**Features**
- Brass nipples are available; see page 926
- Other lengths are also available, consult Dixon® for pricing
- Made from schedule 40 welded pipe

NOTE: Do not use pipe nipples as hose inserts.

**Specification**
- Male NPT x male NPT design

| Male NPT | Overall Length | Carbon Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1/4" | 2" | TN025X2 | --- |
| | 6" | --- | TN025X6SS |
| 3/8" | 2" | TN038X2 | --- |
| | 4" | TN038X4 | --- |
| | 6" | TN038X6 | --- |
| 1/2" | 2" | TN050X2 | TN050X2SS |
| | 3" | TN050X3 | TN050X3SS |
| | 4" | TN050X4 | TN050X4SS |
| | 6" | TN050X6 | TN050X6SS |
| 3/4" | 2" | TN075X2 | TN075X2SS |
| | 3" | TN075X3 | TN075X3SS |
| | 4" | TN075X4 | TN075X4SS |
| | 6" | TN075X6 | TN075X6SS |
| 1" | 2" | TN100X2 | TN100X2SS |
| | 3" | TN100X3 | TN100X3SS |
| | 4" | TN100X4 | TN100X4SS |
| | 6" | TN100X6 | TN100X6SS |
| 1-1/4" | 2" | TN125X2 | TN125X2SS |
| | 3" | TN125X3 | TN125X3SS |
| | 4" | TN125X4 | TN125X4SS |
| | 6" | TN125X6 | TN125X6SS |
| 1-1/2" | 2" | TN150X2 | TN150X2SS |
| | 3" | TN150X3 | TN150X3SS |
| | 4" | TN150X4 | TN150X4SS |
| | 6" | TN150X6 | TN150X6SS |
| 2" | 3" | TN200X3 | TN200X3SS |
| | 4" | TN200X4 | TN200X4SS |
| | 5" | TN200X5 | TN200X5SS |
| | 6" | TN200X6 | TN200X6SS |
| | 8" | TN200X8 | --- |
| 3" | 3" | TN300X3 | TN300X3SS |
| | 4" | TN300X4 | TN300X4SS |
| | 6" | TN300X6 | TN300X6SS |
| 4" | 4" | TN400X4 | TN400X4SS |
| | 6" | TN400X6 | TN400X6SS |
| | 8" | TN400X8 | --- |
| 6" | 6" | TN600X6 | --- |
| | 8" | TN600X8 | --- |



carbon steel



stainless steel

P

## Close Pipe Nipples

| NPT | Brass | | Optional Qty | Lead-Free Brass[1, 2] Part # |
|---|---|---|---|---|
| | Previous Part # | Part # | | |
| 1/8" | 165-0202 | 1650202C | 50 | 1650202CLF |
| 1/4" | 165-0404 | 1650404C | 50 | 1650404CLF |
| 3/8" | 165-0606 | 1650606C | 100 | 1650606CLF |
| 1/2" | 165-0808 | 1650808C | 25 | 1650808CLF |
| 3/4" | 165-1212 | 1651212C | 25 | 1651212CLF |
| 1" | 165-1616 | 1651616C | 25 | --- |
| 1-1/2" | --- | CN150B | 5 | --- |
| 2" | --- | CN200B | 5 | --- |
| 3" | --- | CN300B | 5 | --- |



[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953;

## Close Nipples

**Feature**
- Made from schedule 40 welded pipe

**Specification**
- Male NPT x male NPT design



| Male NPT | Overall Length | Carbon Steel Part # | Galvanized Part # | 316 Stainless Steel Part # | Optional Qty |
|---|---|---|---|---|---|
| 1/8" | 3/4" | --- | --- | CN012SS | 1 |
| 1/4" | 7/8" | CN025 | CN025G | CN025SS | 25 |
| 3/8" | 1" | CN037 | -- | CN037SS | 25 |
| 1/2" | 1-1/8" | CN050 | CN050G | CN050SS | 10 |
| 3/4" | 1-3/8" | CN075 | CN075G | CN075SS | 10 |
| 1" | 1-1/2" | CN100 | CN100G | CN100SS | 10 |
| 1-1/4" | 1-5/8" | CN125 | --- | --- | 10 |
| 1-1/2" | 1-1/2" | CN150 | CN150G | CN150SS | 10 |
| 2" | 2" | CN200 | CN200G | CN200SS | 10 |
| 2-1/2" | 2-1/2" | CN250 | --- | --- | -- |
| 3" | 2-5/8" | CN300 | CN300G | CN300SS | 1 |
| 4" | 2-5/8" | CN400 | --- | CN400SS | 5 |
| 6" | 3-1/8" | CN600 | --- | --- | -- |

## Hex Nipples

**Feature**
- Ref SAE 130137



| NPTF | Brass | | Optional Qty | Lead-Free Brass[1, 2] Part # |
|---|---|---|---|---|
| | Previous Part # | Part # | | |
| 1/8" x 1/8" | BCN12 | 3700202C | 100 | 3700202CLF |
| 1/4" x 1/4" | BCN25 | 3700404C | 100 | 3700404CLF |
| 3/8" x 3/8" | BCN37 | 3700606C | 50 | 3700606CLF |
| 1/2" x 1/2" | BCN50 | 3700808C | 25 | 3700808CLF |
| 3/4" x 3/4" | BCN75 | 3701212C | 20 | --- |
| 1" x 1" | BCN100 | 3701616C | 10 | --- |

[1] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

NOTE: NPTF threads

## Straight Hex Nipples



| Male NPT | 316 Stainless Steel Part # |
|---|---|
| 1/4" | HN25SS |
| 3/8" | HN38SS |
| 1/2" | HN50SS |
| 3/4" | HN75SS |
| 1" | HN100SS |
| 1-1/2" | HN150SS |
| 2" | HN200SS |

## Reducer Hex Nipples

**Feature**
- Ref SAE 130137



| Male NPTF | Brass | | Optional Qty |
|---|---|---|---|
| | Previous Part # | Part # | |
| 1/4" x 1/8" | HN2M1M | 3790402C | 100 |
| 3/8" x 1/8" | HN3M1M | 3790602C | 50 |
| 3/8" x 1/4" | HN3M2M | 3790604C | 50 |
| 1/2" x 1/4" | HN4M2M | 3790804C | 50 |
| 1/2" x 3/8" | HN4M3M | 3790806C | 50 |
| 3/4" x 1/2" | HN6M4M | 3791208C | 25 |



| Male NPT | Male NPT | 316 Stainless Steel Part # |
|---|---|---|
| 3/8" | 1/4" | RHN3825SS |
| 1/2" | 3/8" | RHN5038SS |
| 3/4" | 1/2" | RHN7550SS |



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# Adapters

## Ball Seat to Male Pipe

| NPSM | NPTF | Brass | | Optional Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/8" | 1/8" | BSM11 | 1720202C | 100 |
| 1/4" | 1/8" | BSM21 | 1720402C | 100 |
| | 1/4" | BSM22 | 1720404C | 100 |
| 3/8" | 1/4" | BSM32 | 1720604C | 100 |
| | 3/8" | BSM33 | 1720606C | 50 |
| | 1/2" | BSM34 | 1720608C | 50 |
| 1/2" | 3/8" | BSM43 | 1720806C | 50 |
| | 1/2" | BSM44 | 1720808C | 50 |
| 3/4" | 3/4" | BSM66 | 1721212C | 25 |



## Male Unions

| NPSM | NPSM | Brass | | Pkg Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/8" | 1/8" | 176-0202 | 1760202C | 100 |
| 1/4" | 1/4" | 176-0404 | 1760404C | 100 |
| 3/8" | 3/8" | 176-0606 | 1760606C | 100 |
| 1/2" | 1/2" | 176-0808 | 1760808C | 50 |



NOTE: For additional information on pipe dimensions please reference dixonvalve.com.

P


300# iron


150# iron


150# galvanized iron


150# 316 stainless steel


2000# forged steel


125# brass


brass



## NPT Threaded 90° Elbows

**Features**
- Other sizes are also available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability

| Female NPT | 300# Iron Part # | 150# Iron Part # | 150# Galvanized Iron Part # |
|---|---|---|---|
| 1/8" | --- | EL9018 | EL9018G |
| 1/4" | 300EL9025 | EL9025 | EL9025G |
| 3/8" | 300EL9038 | EL9038 | EL9038G |
| 1/2" | 300EL9050 | EL9050 | EL9050G |
| 3/4" | 300EL9075 | EL9075 | EL9075G |
| 1" | 300EL90100 | EL90100 | EL90100G |
| 1-1/4" | 300EL90125 | EL90125 | EL90125G |
| 1-1/2" | 300EL90150 | EL90150 | EL90150G |
| 2" | 300EL90200 | EL90200 | EL90200G |
| 2-1/2" | --- | EL90250 | --- |
| 3" | --- | EL90300 | EL90300G |
| 4" | --- | EL90400 | EL90400G |
| 5" | --- | EL90500 | --- |
| 6" | --- | EL90600 | --- |

| Female NPT | 150# 316 Stain. Steel Part # | 2000# Forged Steel Part # | 125# Brass Part # |
|---|---|---|---|
| 1/8" | EL9018SS | --- | --- |
| 1/4" | EL90025SS | EL9025FS | --- |
| 3/8" | EL90038SS | EL9038FS | --- |
| 1/2" | EL90050SS | EL9050FS | --- |
| 3/4" | EL90075SS | EL9075FS | --- |
| 1" | EL90100SS | EL90100FS | EL90100B |
| 1-1/4" | EL90125SS | EL90125FS | --- |
| 1-1/2" | EL90150SS | EL90150FS | EL90150B |
| 2" | EL90200SS | EL90200FS | EL90200B |
| 3" | EL90300SS | --- | --- |
| 4" | EL90400SS | --- | --- |

## 90° Female Pipe Elbows

**Feature**
- Ref SAE 130238

| Female NPTF | Extruded Brass | | Optional Qty | Forged Lead-Free Brass[1, 2, 3] Part # |
|---|---|---|---|---|
| | Previous Part # | Part # | | |
| 1/8" | EL1F1F | 3020202C | 25 | --- |
| 1/4" | EL2F2F | 3020404C | 25 | --- |
| 3/8" | EL3F3F | 3020606C | 25 | 3020606CLF |
| 1/2" | EL4F4F | 3020808C[4] | 25 | 3020808CLF |
| 3/4" | EL6F6F | 3021212C[4] | 10 | --- |

1 Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
2 Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
3 NPT thread
4 Product shape may vary

NOTE: For additional information on pipe dimensions please reference dixonvalve.com.



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## NPT Threaded Reducing Elbows

**Feature**
- Other sizes are also available, consult Dixon® for pricing and availability

| Female NPT | Female NPT | 150# Iron Part # |
|---|---|---|
| 1/4" | 1/8" | REL2518 |
| 1/2" | 1/4" | REL5025 |
| 1/2" | 3/8" | REL5038 |
| 3/4" | 1/2" | REL7550 |
| 1" | 1/2" | REL1050 |
| 1" | 3/4" | REL1075 |
| 1-1/4" | 1" | REL1210 |
| 1-1/2" | 1" | REL1510 |
| 1-1/2" | 1-1/4" | REL1525 |
| 2" | 1" | REL2010 |
| 2" | 1-1/2" | REL2015 |
| 2-1/2" | 2" | REL2520 |
| 3" | 2" | REL3020 |
| 4" | 2" | REL4020 |
| 4" | 3" | REL4030 |



## 90° Street Elbows

**Feature**
- Ref SAE 130239

| Female NPTF | Male NPTF | Extruded Brass | | Optional Qty | Forged Lead-Free Brass [1, 2, 3] Part # |
|---|---|---|---|---|---|
| | | Previous Part # | Part # | | |
| 1/8" | 1/8" | SE1F1M | 3040202C[4] | 25 | 3040202CLF |
| 1/4" | 1/8" | SE2F1M | 3040402C | 25 | --- |
| | 1/4" | SE2F2M | 3040404C[4] | 25 | 3040404CLF |
| 3/8" | 1/4" | SE3F2M | 3040604C | 25 | --- |
| | 3/8" | SE3F3M | 3040606C[4] | 25 | 3040606CLF |
| 1/2" | 3/8" | SE4F3M | 3040806C | 25 | --- |
| | 1/2" | SE4F4M | 3040808C[4] | 25 | 3040808CLF |
| 3/4" | 1/2" | SE6F4M | 3041208C | 25 | --- |
| | 3/4" | SE6F6M | 3041212C[4] | 10 | --- |



brass



lead-free brass

[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT thread
[4] Product shape may vary

P

## 90° Male Pipe Elbows

| Male NPTF | Forged Brass | | Optional Qty |
|---|---|---|---|
| | Previous Part # | Part # | |
| 1/8" | 169-0202 | 1690202C | 25 |
| 1/4" | 169-0404 | 1690404C | 25 |
| 3/8" | 169-0606 | 1690606C | 25 |
| 1/2" | 169-0808 | 1690808C | 25 |



NOTE: For additional information on pipe dimensions please reference dixonvalve.com.

## NPT Threaded 90° Street Elbows



150# iron



150# galvanized iron



150# 316 stainless steel



3000# forged steel



125# brass

**Features**

- Other sizes are also available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability

| Male NPT | Female NPT | 150# Iron Part # | 150# Galvanized Iron Part # | 150# 316 Stain. Steel Part # |
|---|---|---|---|---|
| 1/8" | 1/8" | SE9018 | SE9018G | SE9018SS |
| 1/4" | 1/4" | SE9025 | SE9025G | SE9025SS |
| 3/8" | 3/8" | SE9038 | SE9038G | SE9038SS |
| 1/2" | 1/2" | SE9050 | SE9050G | SE9050SS |
| 3/4" | 3/4" | SE9075 | SE9075G | SE9075SS |
| 1" | 1" | SE9010 | SE9010G | SE9010SS |
| 1-1/4" | 1-1/4" | SE9012 | SE9012G | SE9012SS |
| 1-1/2" | 1-1/2" | SE9015 | SE9015G | SE9015SS |
| 2" | 2" | SE9020 | SE9020G | SE9020SS |
| 2-1/2" | 2-1/2" | SE90250 | --- | --- |
| 3" | 3" | SE90300 | SE9030G | --- |
| 4" | 4" | SE90400 | --- | --- |
| 6" | 6" | SE90600 | --- | --- |

| Male NPT | Female NPT | 3000# Forged Steel Part # | 125# Brass Part # |
|---|---|---|---|
| 1/8" | 1/8" | --- | --- |
| 1/4" | 1/4" | SE9025FS | --- |
| 3/8" | 3/8" | SE9038FS | --- |
| 1/2" | 1/2" | SE9050FS | --- |
| 3/4" | 3/4" | SE9075FS | SE9075B |
| 1" | 1" | SE9010FS | SE9010B |
| 1-1/4" | 1-1/4" | SE9012FS | SE9012B |
| 1-1/2" | 1-1/2" | SE9015FS | SE9015B |
| 2" | 2" | SE9020FS | SE9020B |

NOTE: For additional information on pipe dimensions please reference dixonvalve.com.



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## NPT Threaded 45° Elbows

| Female NPT | 150# Iron Part # |
|---|---|
| 1/8" | EL4518 |
| 1/4" | EL4525 |
| 3/8" | EL4538 |
| 1/2" | EL4550 |
| 3/4" | EL4575 |
| 1" | EL45100 |
| 1-1/4" | EL45125 |
| 1-1/2" | EL45150 |
| 2" | EL45200 |
| 2-1/2" | EL45250 |
| 3" | EL45300 |
| 4" | EL45400 |
| 5" | EL45500 |
| 6" | EL45600 |



| Size | 150# Iron Part # | 150# Galvanized Iron Part # |
|---|---|---|
| 1/8" | SE4518 | --- |
| 1/4" | SE4525 | SE4525G |
| 3/8" | SE4538 | --- |
| 1/2" | SE4550 | SE4550G |
| 3/4" | SE4575 | SE4575G |
| 1" | SE45100 | --- |
| 1-1/4" | SE45125 | SE45125G |
| 1-1/2" | SE45150 | SE45150G |
| 2" | SE45200 | SE45200G |
| 2-1/2" | SE45250 | SE45250G |
| 3" | SE45300 | SE45300G |
| 4" | SE45400 | SE45400G |



150# galvanized iron

**Feature**

- Ref SAE 130339

| Female NPTF | Male NPTF | Extruded Brass | | Optional Qty |
|---|---|---|---|---|
| | | Previous Part # | Part # | |
| 1/8" | 1/8" | 306-0202 | 3060202C | 25 |
| 1/4" | 1/4" | 306-0404 | 3060404C | 25 |
| 3/8" | 3/8" | 306-0606 | 3060606C | 25 |
| 1/2" | 1/2" | 306-0808 | 3060808C | 25 |
| 3/4" | 3/4" | 306-1212 | 3061212C | 10 |



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NOTE: For additional information on pipe dimensions please reference dixonvalve.com.



300# iron



150# iron



150# galvanized iron



150# 316 stainless steel



2000# forged steel



125# brass



brass



lead-free brass

## NPT Threaded Female Tees

| Female NPT | 300# Iron Part # | 150# Iron Part # | 150# Galvanized Iron Part # |
|---|---|---|---|
| 1/8" | --- | FT18 | --- |
| 1/4" | 300FT25 | FT25 | FT25G |
| 3/8" | 300FT38 | FT38 | FT38G |
| 1/2" | 300FT50 | FT50 | FT50G |
| 3/4" | --- | FT75 | FT75G |
| 1" | 300FT10 | FT10 | FT100G |
| 1-1/4" | 300FT120 | FT120 | FT120G |
| 1-1/2" | --- | FT15 | FT150G |
| 2" | 300FT200 | FT200 | FT200G |
| 2-1/2" | --- | FT250 | --- |
| 3" | --- | FT30 | FT300G |
| 4" | --- | FT40 | FT400G |
| 5" | --- | FT500 | --- |
| 6" | --- | FT60 | --- |

| Female NPT | 150# 316 Stainless Steel Part # | 2000# Forged Steel Part # | 125# Brass Part # |
|---|---|---|---|
| 1/8" | --- | --- | --- |
| 1/4" | FT25SS | FT25FS | --- |
| 3/8" | FT38SS | --- | --- |
| 1/2" | FT50SS | FT50FS | --- |
| 3/4" | FT75SS | FT75FS | FT75B |
| 1" | FT10SS | FT100FS | FT10B |
| 1-1/4" | FT120SS | FT120FS | --- |
| 1-1/2" | FT150SS | FT150FS | FT15B |
| 2" | FT200SS | FT200FS | FT20B |

P

## Female Tees

**Feature**

- Ref SAE 130438

| NPTF Thread | Extruded Brass | | Optional Qty | Forged Lead-Free Brass[1, 2, 3] Part # |
|---|---|---|---|---|
| | Previous Part # | Part # | | |
| 1/8" | 322-0202 | 3220202C[4] | 25 | 3220202CLF |
| 1/4" | 322-0404 | 3220404C[4] | 25 | 3220404CLF |
| 3/8" | 322-0606 | 3220606C | 25 | 3220606CLF |
| 1/2" | 322-0808 | 3220808C | 25 | 3220808CLF |
| 3/4" | 322-1212 | 3221212C | 10 | --- |

[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT thread
[4] Product shape may vary

## NPT Threaded Side Outlet Elbows

| Female NPT | 150# Iron Part # |
|---|---|
| 1/8" | SOE18 |
| 1/4" | SOE25 |
| 3/8" | SOE38 |
| 1/2" | SOE50 |
| 3/4" | SOE75 |
| 1" | SOE100 |
| 1-1/4" | SOE120 |
| 1-1/2" | SOE150 |
| 2" | SOE200 |



## NPT Threaded Female Reducing Tees

| Female NPT | Female NPT | 150# Iron Part # |
|---|---|---|
| 3/8" | 1/4" | FRT3825 |
| 1/2" | 3/8" | FRT5038 |
| 3/4" | 1/2" | FRT7550 |
| 1" | 1/2" | FRT1050 |
| 1-1/4" | 1" | FRT1210 |
| 1-1/2" | 1" | FRT1510 |
| 2" | 1" | FRT2010 |
| 2" | 1-1/2" | FRT2015 |
| 3" | 2" | FRT3020 |



## NPT Threaded Street Service Tees

| NPT | 150# Iron Part # |
|---|---|
| 1/2" | SST50 |
| 3/4" | SST75 |
| 1" | SST100 |
| 1-1/2" | SST150 |



## NPT Threaded Bull Head Tees

| Female NPT | Female NPT | 150# Iron Part # |
|---|---|---|
| 1/2" | 3/4" | BHT1575 |
| 1/2" | 1" | BHT1510 |
| 3/4" | 1" | BHT7510 |
| 1" | 1-1/2" | BHT1015 |
| 1" | 2" | BHT1020 |
| 1-1/2" | 2" | BHT1520 |
| 2" | 2-1/2" | BHT2025 |





## NPT Threaded Side Outlet Tees

| Female NPT | 150# Iron Part # |
|---|---|
| 1/2" | SOT50 |
| 3/4" | SOT75 |
| 1" | SOT100 |
| 1-1/4" | SOT120 |
| 1-1/2" | SOT150 |
| 2" | SOT200 |



## Street Tees



**Feature**
- Ref SAE 130424

| Female NPTF | Male NPTF | Extruded Brass | | Optional Qty | Lead-Free Brass[1, 2, 3] Part # |
|---|---|---|---|---|---|
| | | Previous Part # | Part # | | |
| 1/8" | 1/8" | 326-0202 | 3260202C | 25 | --- |
| 1/4" | 1/4" | 326-0404 | 3260404C[4] | 25 | 3260404CLF |
| 3/8" | 3/8" | 326-0606 | 3260606C | 25 | --- |
| 1/2" | 1/2" | 326-0808 | 3260808C | 25 | --- |
| 3/4" | 3/4" | 326-1212 | 3261212C | 10 | --- |

[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT thread
[4] Product shape may vary

## Male Branch Tees



**Feature**
- Ref SAE 130425

| NPTF | Extruded Brass | | Optional Qty |
|---|---|---|---|
| | Previous Part # | Part # | |
| 1/8" | 324-0202 | 3240202C | 25 |
| 1/4" | 324-0404 | 3240404C[1] | 25 |
| 3/8" | 324-0606 | 3240606C | 25 |
| 1/2" | 324-0808 | 3240808C | 25 |
| 3/4" | 324-1212 | 3241212C | 10 |

[1] Product shape may vary

## NPT Threaded Crosses



| Female NPT | 150# Iron Part # |
|---|---|
| 1/8" | MIC18 |
| 1/4" | MIC25 |
| 3/8" | MIC38 |
| 1/2" | MIC50 |
| 3/4" | MIC75 |
| 1" | MIC100 |
| 1-1/4" | MIC125 |
| 1-1/2" | MIC150 |
| 2" | MIC200 |
| 2-1/2" | MIC250 |
| 3" | MIC300 |
| 4" | MIC400 |

## Pipe Crosses



| Female NPTF | Extruded Brass | | Optional Qty |
|---|---|---|---|
| | Previous Part # | Part # | |
| 1/8" | 228-0202 | 2280202C | 25 |
| 1/4" | 228-0404 | 2280404C | 25 |
| 3/8" | 228-0606 | 2280606C | 25 |
| 1/2" | 228-0808 | 2280808C | 10 |
| 3/4" | 228-1212 | 2281212C | 10 |

## NPT Threaded Caps

**Features**
- Other sizes are also available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability

| Female NPT | 300# Iron Part # | 150# Iron Part # |
|---|---|---|
| 1/8" | --- | MICAP18 |
| 1/4" | --- | MICAP25 |
| 3/8" | --- | MICAP38 |
| 1/2" | 300MICAP50 | MICAP50 |
| 3/4" | 300MICAP75 | MICAP75 |
| 1" | 300MICAP100 | MICAP100 |
| 1-1/4" | 300MICAP125 | MICAP120 |
| 1-1/2" | 300MICAP150 | MICAP150 |
| 2" | 300MICAP200 | MICAP200 |
| 2-1/2" | --- | MICAP250 |
| 3" | --- | MICAP300 |
| 4" | --- | MICAP400 |
| 5" | --- | MICAP500 |
| 6" | --- | MICAP600 |



300# iron



150# iron

| Female NPT | 150# Galvanized Iron Part # | 150# 316 Stainless Steel Part # |
|---|---|---|
| 1/8" | --- | SSCAP18 |
| 1/4" | --- | SSCAP25 |
| 3/8" | --- | SSCAP38 |
| 1/2" | MICAP50G | SSCAP50 |
| 3/4" | MICAP75G | SSCAP75 |
| 1" | --- | SSCAP10 |
| 1-1/4" | --- | SSCAP12 |
| 1-1/2" | --- | SSCAP15 |
| 2" | MICAP200G | SSCAP20 |



150# galvanized iron



150# 316 stainless steel

## NPTF Pipe Caps

**Feature**
- Lead-free per NSF/ANSI 372

| Female NPTF | Optional Qty | Lead-Free Brass[1, 2] Part # |
|---|---|---|
| 1/8" | 50 | 2130200CLF |
| 1/4" | 100 | 2130400CLF |
| 3/8" | 25 | 2130600CLF |
| 1/2" | 25 | 2130800CLF |
| 3/4" | 25 | 2131200CLF |



[1] Lead-free Brass <=.25% lead, Alloy C2745
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

NOTE: For additional information on pipe dimensions please reference dixonvalve.com.



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## NPT Threaded Square Head Plugs


150# iron


150# galvanized iron


150# 316 stainless steel


3000# forged steel


125# brass

**Feature**

- Forged steel and brass plugs are solid; all others are cored

| Male NPT | 150# Iron Part # | 150# Galvanized Iron Part # | 150# 316 Stain. Steel Part # |
|---|---|---|---|
| 1/8" | SHP18 | SHP18G | SHP18SS |
| 1/4" | SHP14 | SHP14G | SHP14SS |
| 3/8" | SHP38 | SHP38G | SHP38SS |
| 1/2" | SHP50 | SHP50G | SHP50SS |
| 3/4" | SHP75 | SHP75G | SHP75SS |
| 1" | SHP100 | SHP100G | SHP100SS |
| 1-1/4" | SHP125 | SHP125G | SHP125SS |
| 1-1/2" | SHP150 | SHP150G | SHP150SS |
| 2" | SHP200 | SHP200G | SHP200SS |
| 2-1/2" | SHP250 | SHP250G | SHP250SS |
| 3" | SHP300 | SHP300G | SHP300SS |
| 4" | SHP400 | SHP400G | SHP400SS |
| 5" | SHP500 | --- | --- |
| 6" | SHP600 | SHP600G | --- |

| Male NPT | 3000# Forged Steel Part # | 125# Brass Part # |
|---|---|---|
| 1/8" | --- | 2110200C[1, 2] |
| 1/4" | SHP14FS | 2110400C[1, 2] |
| 3/8" | SHP38FS | 2110600C[1, 2] |
| 1/2" | SHP50FS | 2110800C[1, 2] |
| 3/4" | SHP75FS | 2111200C[1, 2] |
| 1" | SHP100FS | SHP100B |
| 1-1/2" | SHP150FS | SHP150B |
| 2" | SHP200FS | --- |
| 3" | SHP300FS | --- |

[1] Lead-free brass per NSF/ANSI 372, Brass Alloy 260/270
[2] Threads are PTF-SAE

## Hex Head Plugs



| NPT | Brass | | Pkg Qty | Lead-Free Brass[1, 2] Part # |
|---|---|---|---|---|
| | Previous Part # | Part # | | |
| 1/8" | HHP1M | 1630200C | 50 | 1630200CLF |
| 1/4" | HHP2M | 1630400C | 100 | 1630400CLF |
| 3/8" | HHP3M | 1630600C | 25 | --- |
| 1/2" | HHP4M | 1630800C | 25 | --- |
| 3/4" | HHP6M | 1631200C | 25 | --- |
| 1" | HHP8M | 1631600C | 10 | --- |

NOTE: Standard brass hex head plug is hollow; lead-free brass is solid
[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

## Hex Socket Plugs



**Approval**

- Lead-Free Brass per NSF/ ANSI 372

| NPTF | Lead-Free Brass 260/270 | | Optional Qty |
|---|---|---|---|
| | Previous Part # | Part # | |
| 1/8" | 219-0200 | 2190200C | 50 |
| 1/4" | 219-0400 | 2190400C | 100 |
| 3/8" | 219-0600 | 2190600C | 25 |
| 1/2" | 219-0800 | 2190800C | 25 |
| 3/4" | 219-1200 | 2191200C | 25 |



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## Polypropylene Schedule 80 - Pipe Couplings

| Female NPT | Polypropylene Part # |
|---|---|
| 3/4" | 62238 |
| 1" | 62239 |
| 1-1/2" | 62241 |
| 2" | 62194 |



## Tuff-Lite® - Female NPT x Female NPT Adapters

**Feature**
- Sold in package quantity only

| Female NPT | Female NPT | Nylon Part # | Pkg Qty |
|---|---|---|---|
| 1/2" | 1/2" | TA994 | 25 |
| 3/4" | 3/4" | TA996 | 25 |



## Polypropylene Schedule 80 - Reducer Bushings

| Male NPT | Female NPT | Polypropylene Part # |
|---|---|---|
| 1/2" | 1/4" | 62267 |
| 3/4" | 1/2" | 62272 |
| 1" | 1/2" | 62275 |
| | 3/4" | 62276 |
| 1-1/4" | 3/4" | 62277 |
| | 1" | 62278 |
| 1-1/2" | 3/4" | 62279 |
| | 1" | 62280 |
| | 1-1/4" | 62281 |
| 2" | 3/4" | 62195 |
| | 1" | 62196 |
| | 1-1/4" | 62197 |
| | 1-1/2" | 62198 |
| 3" | 2" | 60330 |



## Tuff-Lite - Male NPT x Female Threaded Swivel Nut Adapters

**Feature**
- Female shipped with a red vinyl washer (TVW7), replacement washers on page 412

| Male NPT | Female Thread | Nylon Part # |
|---|---|---|
| 1/4" | 3/4" GHT | TSA72 |
| 3/8" | | TSA73 |
| 1/4" | 3/4" NPS | TSA62 |
| 3/8" | | TSA63 |



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## Tuff-Lite - Reducing Bushings

| Male NPT | Female NPT | Nylon Part # |
|---|---|---|
| 3/8" | 1/4" | THB32 |
| 1/2" | 1/4" | THB42 |
| 1/2" | 3/8" | THB43 |
| 3/4" | 1/2" | THB64 |
| 1" | 3/4" | THB86 |



NOTE: For additional information on pipe dimensions please reference dixonvalve.com.

## Tuff-Lite® - Close Nipples



**Feature**
- Sold in package quantity only

| Male NPT | Nylon Part # | Pkg Qty |
|---|---|---|
| 1/4" | TCN202 | 50 |
| 3/8" | TCN303 | 50 |
| 1/2" | TCN404 | 50 |
| 3/4" | TCN606 | 50 |

## Polypropylene Schedule 80 - Hex Nipples



| Male NPT | Polypropylene Part # |
|---|---|
| 1/2" | 62221 |
| 3/4" | 60554 |
| 1" | 60555 |
| 1-1/4" | 60556 |
| 1-1/2" | 60547 |
| 2" | 60548 |
| 3" | 61769 |

## Polypropylene Schedule 80 - Reducer Nipples



| Male NPT | Male NPT | Polypropylene Part # |
|---|---|---|
| 3/4" | 1/2" | 62233 |
| 1" | 3/4" | 62234 |
| 1-1/4" | 1" | 62235 |
| 1-1/2" | 1-1/4" | 62236 |
| 2" | 1-1/2" | 60549 |

## Polypropylene Schedule 80 - Nipples



| Male NPT | Length | Polypropylene Part # |
|---|---|---|
| 3/4" | 4" | 62223 |
| | 6" | 62224 |
| 1" | 4" | 62225 |
| | 6" | 62226 |
| 2" | 4" | 62192 |
| | 6" | 62193 |

NOTE: For additional information on pipe dimensions please reference dixonvalve.com.



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## Polypropylene Schedule 80 - 90° Elbows

| Female NPT | Polypropylene Part # |
|---|---|
| 1/2" | 62215 |
| 3/4" | 62216 |
| 1" | 62217 |
| 1-1/2" | 62219 |
| 2" | 62191 |
| 3" | 62220 |



## Tuff-Lite® - Street Female NPT x 90° Male NPT Elbows

| Female NPT | Male NPT | Nylon Part # |
|---|---|---|
| 1/4" | 1/4" | TSE22 |
| 1/2" | 1/2" | TSE44 |
| 3/4" | 3/4" | TSE66 |



## Polypropylene Schedule 80 - 90° Street Elbows

| NPT Thread | Polypropylene Part # |
|---|---|
| 1/2" | 62243 |
| 3/4" | 62244 |
| 1" | 62245 |
| 1-1/4" | 62246 |
| 1-1/2" | 62247 |
| 2" | 62199 |
| 3" | 62248 |



## Polypropylene Schedule 80 - Tees

| Female NPT | Polypropylene Part # |
|---|---|
| 1/2" | 62209 |
| 3/4" | 62210 |
| 1" | 62211 |
| 1-1/4" | 62212 |
| 1-1/2" | 62213 |
| 2" | 62190 |
| 3" | 62214 |





## Polypropylene Schedule 80 - Cross

| Female NPT | Polypropylene Part # |
|---|---|
| 1" | 62263 |



NOTE: For additional information on pipe dimensions please reference dixonvalve.com

## Tuff-Lite® - Female Threaded Swivel Nuts



| Female Thread | Nylon Part # |
|---|---|
| 3/4" NPSM | TCF6 |
| 3/4" GHT | TCF7 |

## Tuff-Lite - Threaded Caps

**Feature**
- Sold in package quantity only



| Female Thread | Nylon Part # | Pkg Qty |
|---|---|---|
| 1/4" NPT | TTC2 | 50 |
| 3/8" NPT | TTC3 | 50 |
| 1/2" NPT | TTC4 | 50 |
| 3/4" NPT | TTC6 | 50 |
| 3/4" GHT | TTC7 | 50 |

## Tuff-Lite - Hex Head Drain Plugs

**Feature**
- Sold in package quantity only



| Male NPT | Nylon Part # | Pkg Qty |
|---|---|---|
| 1/8" | TPX1 | 50 |
| 1/4" | TPX2 | 50 |
| 3/8" | TPX3 | 50 |
| 1/2" | TPX4 | 50 |
| 3/4" | TPX6 | 50 |
| 1" | TPX8 | 50 |
| 1-1/4" | TPX10 | 25 |

## Tuff-Lite - Square Head Drain Plugs

**Feature**
- Sold in package quantity only



| Male NPT | Nylon Part # | Pkg Qty |
|---|---|---|
| 1/8" | TPS1 | 50 |
| 1/4" | TPS2 | 50 |
| 3/8" | TPS3 | 50 |
| 1/2" | TPS4 | 50 |
| 3/4" | TPS6 | 50 |
| 1" | TPS8 | 50 |
| 1-1/4" | TPS10 | 25 |

P

## Polypropylene Schedule 80 - Pipe Caps



| Female NPT | Polypropylene Part # |
|---|---|
| 3/4" | 62250 |
| 1" | 62251 |

## PolypropyleneSchedule 80 - Pipe Plugs



| Male NPT | Polypropylene Part # |
|---|---|
| 3/4" | 62256 |
| 1" | 62257 |
| 1-1/4" | 62258 |
| 1-1/2" | 62259 |
| 2" | 62201 |

# Bulkhead Fittings

### Application
- For use on most poly storage tanks and many steel and fiberglass tanks

### Features
- Glass reinforced polypropylene provides strength and chemical resistance
- EPDM gaskets are standard
- FKM gaskets are available; contact Dixon® to order



63931



63481



63683

## Female NPT Fittings

| Female NPT | Hole Size | Polypropylene Part # |
|---|---|---|
| 1/2" | 1-7/16" | 62834 |
| 3/4" | 1-7/16" | 60401 |
| 1" | 2-1/4" | 60427 |
| 1-1/4" | 2-1/4" | 60403 |
| 1-1/2" | 3" | 60124 |
| 1-1/2" | 2-3/8" | 63931[1] |
| 2" | 3" | 60405 |
| 2" | 3" | 63481[2] |
| 2" HD[3] | 3-1/4" | 63683 |
| 3" | 4-1/2" | 62299[1] |

[1] 1-1/2" and 3" do not contain a washer
[2] Designed for tank wall thickness less than 3/8" - low profile

## Gaskets

| Size | EPDM Part # |
|---|---|
| 1/2" - 3/4" | 60402 |
| 1" - 1-1/4" | 60404 |
| 1-1/2" | 63938 |
| 2" | 60406 |
| 2" HD[1] | 60336 |
| 3" | 60331 |

[1] Heavy duty



## Bulkhead Couplings

| Female NPTF | External Male UNS | Length | Brass Part # |
|---|---|---|---|
| 1/8" | 5/8" | 1.50" | 207BH2 |
| 1/4" | 3/4" | 1.50" | 207BH4 |
| 1/4" | 3/4" | .94" | 207BH4S |
| 3/8" | 1" | 1.31" | 207BH6 |
| 1/2" x 3/8" | 1-1/8" | 1.50" | 207BH8-6 |
| 1/2" | 1-1/8" | 1.50" | 207BH8 |
| 3/4" | 1-5/16" | 1.50" | 207BH12 |



NOTE: Washer nut is 12L14 steel



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# Bolted Fittings

## Polypropylene Female NPT fittings

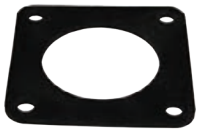


**Features**
- Bolts thread into back plate of fitting leaving no welds, or holes as potential points of leakage
- (2) required, EPDM gaskets are standard (sold separately)
- FKM gaskets are available; contact Dixon®

**Material**
- 316 stainless steel bolts

| Size | Polypropylene Part # |
|---|---|
| 3/4" | 60502 |
| 1" | 60505 |
| 1-1/2" | 60513 |
| 2" | 60516 |

### Gaskets



| Size | EPDM Part # |
|---|---|
| 3/4" - 1" | 60498 |
| 1-1/2" - 2" | 60497 |

## Stainless Steel Female NPT fittings



**Features**
- Bolts thread into back plate of fitting leaving no welds, or holes as potential points of leakage
- Required, cross-linked polyethylene gaskets are standard (sold separately)
- FKM and EPDM gaskets are available; contact Dixon

**Material**
- 316 stainless steel bolts

| Size | Stainless Steel Part # |
|---|---|
| 3/4" | 64257 |
| 1" | 64252 |
| 1-1/2" | 64253 |
| 2" | 64202 |

P

### Gaskets



| Size | Cross-Linked Polyethylene Part # | EPDM Part # |
|---|---|---|
| 3/4" - 1" | 62950 | --- |
| 1-1/2" | 63042 | --- |
| 2" | 64198 | 64196 |

# Threaded Concentric Nipples

### Features
- Schedule 40 nipples have blue caps
- Schedule 80 nipples have green caps

### Approvals
- Manufactured in conformance with ASTM A234 and MSS SP-95
- Threads on nipples conform to ASME B1.20.1



| Male NPT | Length | Zinc-Plated Schedule 40 Part # |
|---|---|---|
| 2" x 1" | 6.5" | SW40-200100 |
| 2" x 1-1/4" | | SW40-200125 |
| 2" x 1-1/2" | | SW40-200150 |
| 2-1/2" x 1" | 7" | SW40-250100 |
| 2-1/2" x 1-1/2" | | SW40-250150 |
| 2-1/2" x 2" | | SW40-250200 |
| 3" x 2" | 8" | SW40-300200 |
| 3" x 2-1/2" | | SW40-300250 |
| 4" x 2" | 9" | SW40-400200 |
| 4" x 2-1/2" | | SW40-400250 |
| 4" x 3" | | SW40-400300 |
| 6" x 3" | 12" | SW40-600300 |
| 6" x 4" | | SW40-600400 |
| 8" x 4" | 13" | SW40-800400 |
| 8" x 6" | | SW40-800600 |



| Male NPT | Length | Zinc-Plated Schedule 80 Part # |
|---|---|---|
| 1/2" x 1/4" | 2.8" | SW80-050025 |
| 1/2" x 3/8" | | SW80-050038 |
| 3/4" x 1/2" | 3.0" | SW80-075050 |
| 1" x 1/4" | 3.5" | SW80-100025 |
| 1" x 1/4" | | SW80-100050 |
| 1" x 3/4" | | SW80-100075 |
| 2" x 1/2" | 6.5" | SW80-200050 |
| 2" x 3/4" | | SW80-200075 |
| 2" x 1" | | SW80-200100 |
| 2" x 1-1/4" | | SW80-200125 |
| 2" x 1-1/2" | | SW80-200150 |
| 2-1/2" x 2" | 7.0" | SW80-250200 |
| 3" x 1" | 8.0" | SW80-300100 |
| 3" x 2" | | SW80-300200 |
| 3" x 2-1/2" | | SW80-300250 |
| 4" x 2" | 9.0" | SW80-400200 |
| 4" x 3" | | SW80-400300 |
| 4" x 4" | | SW80-400400 |
| 6" x 3" | 12.0" | SW80-600300 |
| 6" x 4" | | SW80-600400 |
| 8" x 6" | 13.0" | SW80-800600 |

NOTE: For additional information on pipe dimensions please reference dixonvalve.com.

## Bull Plugs



schedule 80

**Features**
- Schedule 40 nipples have blue caps
- Schedule 80 nipples have green caps

**Approvals**
- Manufactured in conformance with ASTM A234 and MSS SP-95
- Threads on nipples conform to ASME B1.20.1

| Male NPT | Length | Zinc-Plated Schedule 40 Part # | Zinc-Plated Schedule 80 Part # |
|---|---|---|---|
| 2" | 4" | BP40-200 | BP80-200 |
| 2-1/2" | 5" | BP40-250 | BP80-250 |
| 3" | 6" | BP40-300 | BP80-300 |
| 4" | 7" | BP40-400 | BP80-400 |

## Bull Plugs with Tap



schedule 40

**Features**
- Schedule 40 nipples have blue caps
- Schedule 80 nipples have green caps

**Approvals**
- Manufactured in conformance with ASTM A234 and MSS SP-95
- Threads on nipples conform to ASME B1.20.1

| Male NPT | Length | Zinc-Plated Schedule 40 Part # | Zinc-Plated Schedule 80 Part # |
|---|---|---|---|
| 2" x 1/4" | 4" | BP40-200T025 | BP80-200T025 |
| 2" x 1/2" | 5" | BP40-200T050 | BP80-200T050 |
| 3" x 1/2" | 6" | BP40-300T050 | BP80-300T050 |
| 4" x 1/2" | 7" | BP40-400T050 | BP80-400T050 |



NOTE: For additional information on pipe dimensions please reference dixonvalve.com

# Hammer Unions

**Features**
- Socket weld configurations and other materials are available; contact Dixon® for further information
- Hammer unions work at extremely high pressures, mismatching components of one series with another (i.e. series 602 with series 1502) can lead to destruction of property, serious bodily injury, or death

**Specifications**
- Non-shocking cold water pressure (NSCWP) means that the rated value is the maximum operating pressure at ambient temperature
- No spikes higher than this pressure
- No instantaneous pressure increases (0-2000 PSIG in 1/4 of a second)
- Ambient temperature: **70°F (21°C)**
- Temperature range: **-20°F** to **250°F (-29°C** to **121°C)**

## 100-Series



**Feature**
- Yellow sub, black nut

**Specification**
- Used on low pressure manifolds and lines and in applications running air, water, oil, or gas up to **1,000 PSI** NSCWP

| Size | Configuration | NSCWP (PSI) | Forged Steel Part # |
|---|---|---|---|
| 2" | threaded | **1000** | HU100200 |
| | buttweld | **1000** | HU100200BW[1] |
| 2-1/2" | threaded | **1000** | HU100250 |
| 3" | threaded | **1000** | HU100300 |
| 4" | threaded | **1000** | HU100400 |
| | buttweld | **1000** | HU100400BW[1] |
| 6" | threaded | **1000** | HU100600 |
| 8" | threaded | **1000** | HU100800 |

[1] Buttweld ends are schedule 40

## 200-Series



**Features**
- Nitrile O-ring mounted sub provides excellent sealing properties
- Grey sub, blue nut

**Specification**
- Used in general service applications running air, water, oil, or gas up to **2,000 PSI** NSCWP

| Size | Configuration | NSCWP (PSI) | Forged Steel Part # |
|---|---|---|---|
| 1" | threaded | **2000** | HU200100 |
| 1-1/2" | threaded | **2000** | HU200150 |
| 2" | threaded | **2000** | HU200200 |
| | buttweld | **2000** | HU200200BW[1] |
| 2-1/2" | threaded | **2000** | HU200250 |
| 3" | threaded | **2000** | HU200300 |
| 4" | threaded | **2000** | HU200400 |
| 6" | threaded | **2000** | HU200600 |
| 8" | threaded | **2000** | HU200800 |

[1] Buttweld ends are schedule 40

## 206-Series



**Features**
- Nitrile O-ring mounted sub provides excellent sealing properties
- Grey sub, blue nut

**Specification**
- Used in general service applications running air, water, oil, and gas up to **2,000 PSI** NSCWP

| Size | Configuration | NSCWP (PSI) | Forged Steel Part # |
|---|---|---|---|
| 1" | threaded | **2000** | HU206100 |
| 1-1/2" | threaded | **2000** | HU206150 |
| 2" | threaded | **2000** | HU206200 |
| 2-1/2" | threaded | **2000** | HU206250 |
| 3" | threaded | **2000** | HU206300 |
| 4" | threaded | **2000** | HU206400 |

# Hammer Unions

## 400-Series



**Applications**
- Used on manifold and line connections, pump, suction, and mud service

**Feature**
- Red sub, black nut

**Specification**
- Up to **4,000 PSI** NSCWP (non-shock cold working pressure)

| Size | Configuration | NSCWP (PSI) | Forged Steel Part # |
|---|---|---|---|
| 2" | threaded | **4000** | HU400200 |
| 3" | threaded | **4000** | HU400300 |
| 4" | threaded | **4000** | HU400400 |

## 602-Series

**Applications**
- For use in mud, manifold service and truck mounting applications running water, oil or mud service



**Features**
- Lip type seal ring minimizes fluid flow turbulence while creating a pressure seal
- Orange sub, black nut

**Specification**
- Up to **6,000 PSI** NSCWP

| Size | Configuration | NSCWP (PSI) | Forged Steel Part # |
|---|---|---|---|
| 1" | threaded | **6000** | HU602100 |
| 2" | threaded | **6000** | HU602200 |
| | buttweld | **6000** | HU602200BW[1] |
| 3" | threaded | **6000** | HU602300 |
| | buttweld | **6000** | HU602300BW[1] |
| 4" | threaded | **6000** | HU602400 |
| | buttweld | **6000** | HU602400BW[1] |

[1] Buttweld ends are schedule 80

## 1002 Series

**Applications**
- For use in high pressure systems and truck mounting applications running water, oil or mud



**Features**
- Lip type seal ring minimizes fluid flow turbulence while creating a pressure seal
- Blue sub, red nut

**Specification**
- Up to **10,000 PSI** NSCWP

| Size | Configuration | NSCWP (PSI) | Forged Steel Part # |
|---|---|---|---|
| 1" | threaded | **10000** | HU1002100 |
| 2" | threaded | **10000** | HU1002200 |
| | buttweld | **10000** | HU1002200BW[1] |
| 3" | threaded | **10000** | HU1002300 |
| | buttweld | **10000** | HU1002300BW[1] |
| 4" | threaded | **10000** | HU1002400 |

## Hammer Unions

### 1502-Series

**Applications**
- For use in extreme high-pressure applications running water, oil or mud

**Features**
- Lip type seal ring minimizes fluid flow turbulence while creating a pressure seal
- Red sub, blue nut



**Specification**
- Up to **15,000 PSI** NSCWP (non-shock cold working pressure)

| Size | Configuration | NSCWP (PSI) | Forged Steel Part # |
|---|---|---|---|
| 2" | threaded | **15000** | HU1502200 |
| | buttweld | **15000** | HU1502200BW[1] |
| 3" | threaded | **15000** | HU1502300 |
| | buttweld | **15000** | HU1502300BW[1] |
| 4" | threaded | **15000** | HU1502400 |
| | buttweld | **15000** | HU1502400BW[1] |

[1] Buttweld ends are schedule XXS

## Hookie - Hook Hose Lifter

**Application**
- For use with hammer unions on pages 947 - 949

**Features**
- Safe working load is 4 tons, with a proof load test of 8 tons
- Supplied complete with retaining clamp



| Size | Forged Steel Part # |
|---|---|
| 3" | HA0900-3 |
| 4" | HA0900-4 |
| 5" | HA0900-5 |

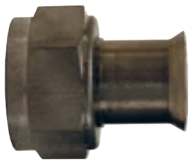
# Weld End Metal Hose Fittings

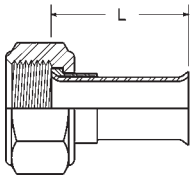
## Straight Female

All fittings have 316 seamless stainless steel tubes

**Specification**

- Pressure rating at **70°F (21°C)**

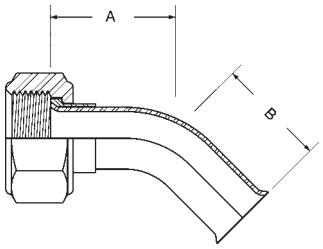





| Female SAE 37° JIC | Tube O.D. | Pressure Rating PSI at 70°F (21°) | Dimension L | Tube Wall | 304 Stainless Steel Nut & Sleeve Part # | Carbon Steel Nut & Sleeve Part # |
|---|---|---|---|---|---|---|
| 7/16" - 20 | 1/4" | **8650** | 1.500" | .049" | SFMF250 | FMF250 |
| 9/16" - 18 | 3/8" | **5550** | 1.500" | .049" | SFMF375 | FMF375 |
| 3/4" - 16 | 1/2" | **4050** | 1.500" | .049" | SFMF500 | FMF500 |
| 1-1/16" - 12 | 3/4" | **2600** | 1.500" | .049" | SFMF750 | FMF750 |
| 1-5/16" - 12 | 1" | **1950** | 2.000" | .049" | SFMF1000 | FMF1000 |
| 1-5/8" - 12 | 1-1/4" | **2050** | 2.375" | .065" | SFMF1250 | FMF1250 |
| 1-7/8" - 12 | 1-1/2" | **1700** | 2.375" | .065" | SFMF1500 | FMF1500 |
| 2-1/2" - 12 | 2" | **1250** | 2.500" | .065" | SFMF2000 | FMF2000 |

## 45° Elbow Female



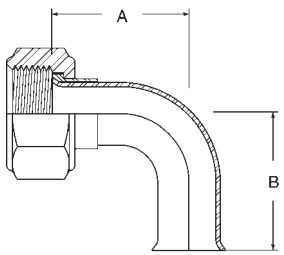



| Female SAE 37° JIC | Tube O.D. | Pressure Rating PSI at 70°F (21°) | Dimension | | Bend Radius | Tube Wall | 304 Stainless Steel Nut & Sleeve Part # | Carbon Steel Nut & Sleeve Part # |
|---|---|---|---|---|---|---|---|---|
| | | | A | B | | | | |
| 7/16" - 20 | 1/4" | **5000** | 0.750" | 0.750" | 0.380" | .049" | --- | FMF250-45 |
| 9/16" - 18 | 3/8" | **4500** | 1.000" | 1.000" | 0.500" | .049" | --- | FMF375-45 |
| 3/4" - 16 | 1/2" | **4000** | 1.250" | 1.250" | 1.000" | .049" | SFMF500-45 | FMF500-45 |
| 1-1/16" - 12 | 3/4" | **2600** | 1.450" | 1.450" | 1.500" | .049" | SFMF750-45 | --- |
| 1-5/16" - 12 | 1" | **2500** | 1.800" | 1.800" | 2.000" | .049" | SFMF1000-45 | FMF1000-45 |
| 1-5/8" - 12 | 1-1/4" | **2050** | 2.100" | 2.100" | 2.000" | .065" | --- | FMF1250-45 |
| 1-7/8" - 12 | 1-1/2" | **1700** | 2.300" | 2.300" | 2.000" | .065" | SFMF1500-45 | FMF1500-45 |
| 2-1/2" - 12 | 2" | **1250** | 3.000" | 3.000" | 3.000" | .065" | SFMF2000-45 | FMF2000-45 |

P

## 90° Elbow Female






| Female SAE 37° JIC | Tube O.D. | Pressure Rating PSI at 70°F (21°) | Dimension | | Bend Radius | Tube Wall | 304 Stainless Steel Nut & Sleeve Part # | Carbon Steel Nut & Sleeve Part # |
|---|---|---|---|---|---|---|---|---|
| | | | A | B | | | | |
| 7/16" - 20 | 1/4" | **5000** | 1.000" | 1.000" | 0.375" | .049" | SFMF250-90 | FMF250-90 |
| 9/16" - 18 | 3/8" | **4500** | 1.250" | 1.250" | 0.500" | .049" | SFMF375-90 | FMF375-90 |
| 3/4" - 16 | 1/2" | **4000** | 1.830" | 1.830" | 1.000" | .049" | SFMF500-90 | FMF500-90 |
| 1-1/16" - 12 | 3/4" | **2600** | 2.350" | 2.350" | 1.500" | .049" | SFMF750-90 | FMF750-90 |
| 1-5/16" - 12 | 1" | **2500** | 3.100" | 3.100" | 2.000" | .049" | SFMF1000-90 | FMF1000-90 |
| 1-5/8" - 12 | 1-1/4" | **2050** | 3.500" | 3.500" | 2.000" | .065" | SFMF1250-90 | FMF1250-90 |

## NPT Threaded Pipe Fittings

| Size | Overall Length | Carbon Steel Part # | 304 Stainless Steel Part # | Aluminum Part # |
|---|---|---|---|---|
| 1/4" | 2" | PN250 | PNS250 | --- |
| 3/8" | 2" | PN375 | PNS375 | --- |
| 1/2" | 2" | PN500 | PNS500 | --- |
| 3/4" | 2" | PN750 | PNS750 | --- |
| 1" | 2" | PN1000 | PNS1000 | --- |
| 1-1/4" | 2" | PN1250 | PNS1250 | --- |
| 1-1/2" | 2" | PN1500 | PNS1500 | --- |
| 2" | 2" | PN2000 | PNS2000 | --- |
| 2-1/2" | 3" | PN2500 | PNS2500 | --- |
| 3" | 3" | PN3000 | PNS3000 | APN3000 |
| 4" | 4" | PN4000 | PNS4000 | APN4000 |

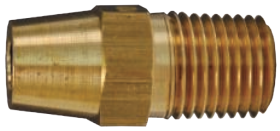


## Dixon® Hex Nipples for Welding to Metal Hose

| Size | Carbon Steel[1] Part # | Optional Qty | Machined Brass Part # |
|---|---|---|---|
| 1/4" | FM250 | 200 | FMB250 |
| 3/8" | FM375 | 100 | FMB375 |
| 1/2" | FM500 | 50 | FMB500 |
| 3/4" | FM750 | 50 | FMB750 |
| 1" | FM1000 | 50 | FMB1000 |
| 1-1/4" | FM1250 | 50 | --- |
| 1-1/2" | FM1500 | 50 | --- |
| 2" | FM2000 | 10 | --- |



carbon steel



machined brass

| Size | 304 Stainless Steel[1] Part # | Optional Qty | 316 Stainless Steel[1] Part # |
|---|---|---|---|
| 1/4" | FMS250 | 200 | --- |
| 3/8" | FMS375 | 100 | --- |
| 1/2" | FMS500[2] | 50 | FMR500[2] |
| 3/4" | FMS750[2] | 50 | FMR750[2] |
| 1" | FMS1000[2] | 50 | FMR1000[2] |
| 1-1/4" | FMS1250 | 50 | --- |
| 1-1/2" | FMS1500 | 50 | FMR1500 |



global stainless

[1] Dixon suggests using 308 LSI welding rod
[2] Global stainless steel

## Dixon Octagonal Nipples for Welding to Metal Hose

| Size | Overall Length | Weld-On Length | Hex Length | Carbon Steel Part # | 304 Stainless Steel Part # |
|---|---|---|---|---|---|
| 2" | 2-1/2" | 7/8" | 9/16" | OCTOE32 | OCTOES32 |





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## Dixon® Octagonal Wrench Grips



| Size | Across Outside Flats | Across Inside Flats | Width | 304 Stainless Steel Part # |
|---|---|---|---|---|
| 1-1/2" | 2.230" | 1.910" | 9/16" | OCTS24 |
| 2" | 2.781" | 2.385" | 9/16" | OCTS32 |
| 3" | 3.750" | 3.510" | 7/8" | OCTS48 |

| Size | Across Outside Flats | Across Inside Flats | Width | Carbon Steel Part # |
|---|---|---|---|---|
| 2" | 2.740" | 2.510" | 9/16" | OCT32 |

## Dixon Weld-On Hex Wrench Grips



| Size | Global Investment Cast Steel Part # |
|---|---|
| 1" | WN12 |
| 1-1/4" | WN16 |
| 1-1/2" | WN21 |
| 2" | WN26 |
| 2-1/2" | WN31 |
| 3" | WN36 |
| 4" | WN46 |

## Socket Weld Butterfly Valve Flanges



**Application**
- Used in the piping systems within hydraulic fracturing operations for the transfer of fluids and slurries

**Feature**
- Slip-on butterfly flanges for welding on to 4", 5", and 8" pipe

| Size | # of Bolt Holes | Carbon Steel Part # |
|---|---|---|
| 4" | 6 | HSW400 |
| 5" | 6 | HSW500 |
| 8" | 8 | HSW800 |

P

# Straub Grip-L Axial Restraint Pipe Couplings

## Applications
- Suitable for pipes within the lower pressure range. Applications include, but are not limited to: ship building, water and waste water treatment plants, and industrial process pipe work

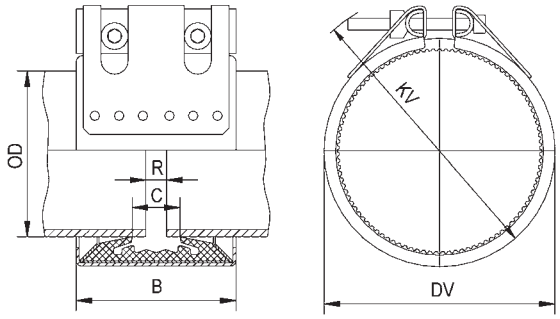
## Features
- Joins like or dissimilar pipe materials: steel, galvanized, painted, stainless steel, thin-wall stainless steel, PVC, copper
- Requires no special tools or pipe-end preparation; only a torque wrench is required for a secure and safe pipe connection that seldom needs retightening
- Accommodates up to 5° of pipe misalignment
- Vary gap between pipe ends
- Absorbs vibration, water hammer, and sound
- Special patented grip ring for superior holding power on hard-surfaced pipes
- 5-year limited warranty
- Reusable
- NBR and FKM sleeves available; contact Dixon® for information




## Materials
- Casing: AISI 316Ti; screws: AISI 316 L; bolts: AISI 316 Ti; anchoring ring: AISI 301; sealing sleeve: EPDM standard

## Specifications
- EPDM sealing sleeve temperature range: **- 4°F** to **176°F (-20°C** to **80°C)**
- American Bureau of Shipping (ABS) up to **232 PSI** on 3/4" - 5"; **188** PSI on 6"; **145** PSI on 8"

## Approvals
- Underwriters' Laboratories (UL)
- National Sanitation Foundation (NSF)
- Built to ASTM 1476, Type 2, Class 2 specifications




| Size | Pipe O.D. Range | | Working Pressure PSI | Coupling Dimensions | | Assembled Dimensions | | Maximum Distance Between Pipe End R | 316 Ti Stainless Steel Part # |
|---|---|---|---|---|---|---|---|---|---|
| | actual | min to max | | B | C | DV | KV | | |
| 3/4" | 1.06" | 1.04" to 1.08" | **670** | 1.8" | 0.7" | 1.7" | 2.8" | 0.2" | STR20000[1] |
| 1" | 1.33" | 1.31" to 1.35" | **550** | 1.8" | 0.7" | 2.0" | 3.0" | 0.2" | STR20100[1] |
| 1-1/2" | 1.90" | 1.88" to 1.92" | **440** | 2.4" | 1.0" | 2.6" | 3.9" | 0.2" | STR20300[1] |
| 2" | 2.37" | 2.35" to 2.40" | **320** | 3.0" | 1.5" | 3.1" | 4.3" | 0.4" | STR20450[1] |
| 2-1/2" | 2.87" | 2.85" to 2.90" | **450** | 3.7" | 1.6" | 3.9" | 5.3" | 0.4" | STR20500 |
| 3" | 3.50" | 3.46" to 3.54" | **320** | 3.7" | 1.6" | 4.4" | 5.9" | 0.4" | STR20650 |
| 4" | 4.50" | 4.46" to 4.54" | **232** | 3.7" | 1.6" | 5.4" | 6.7" | 0.4" | STR20900 |
| 5" | 5.50" | 5.51" to 5.62" | **232** | 4.3" | 2.1" | 6.5" | 8.3" | 0.4" | STR21150 |
| 6" | 6.63" | 6.56" to 6.69" | **232** | 4.3" | 2.1" | 7.6" | 9.1" | 0.4" | STR21350 |
| 8" | 8.63" | 8.54" to 8.71" | **232** | 5.6" | 3.1" | 9.8" | 11.6" | 0.4" | STR21400 |

[1] Only has one bolt

NOTE: All Straub couplings require the correct use of a torque wrench for a safe and proper installation.Straub couplings must be torqued to the specified value as printed on each individual coupling. Failure to do so can result in serious injury



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# Straub Open-Flex 1L Couplings



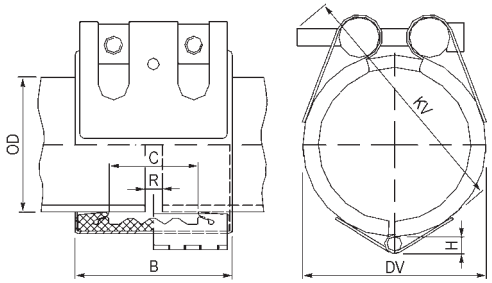
### Application
- Suitable for repairing or joining pipes where access to the pipe end is difficult or impossible

### Features
- Use to replace bolted sleeve type couplings (AWWA Std. C-219) or for permanent repairs or installation
- Wrap-around design differs from similar type repair products because the installation or repair is permanent due to the unique flexible lip seal gasket design
- Joins like or dissimilar pipe materials: steel, galvanized, painted, stainless steel, thin-wall stainless steel, PVC, copper
- Requires no special tools or pipe-end preparation; only a torque wrench is required for a secure and safe pipe connection that seldom needs retightening
- Accommodates up to 5° of pipe misalignment
- Vary gap between pipe ends
- Absorbs vibration, water hammer, and sound
- Acts as an expansion joint; will accept up to .25" of axial movement
- 5-year limited warranty
- Reusable

### Materials
- Casing: AISI 316Ti; screws: AISI 4135 steel; bolts: AISI 12L 14 galvanized

### Specifications
- EPDM sealing sleeve temperature range: **- 4°F** to **176°F (-20°C** to **80°C)**
- American Bureau of Shipping (ABS) up to **232 PSI**

### Approvals
- Underwriters' Laboratories (UL)
- National Sanitation Foundation (NSF)
- Conforms to ASTM 1476, Type 2, Class 3 specifications




P

| Size | Pipe O.D. Range | | Working Pressure PSI | Coupling Dimensions | | | Assembled Dimensions | | Maximum Distance Between Pipe End R | 316 Ti Stainless Steel Part # |
|---|---|---|---|---|---|---|---|---|---|---|
| | actual | min to max | | B | C | H | DV | KV | | |
| 1-1/2" | 1.90" | 1.85" to 1.95" | **363** | 3.0" | 1.4" | .28" | 2.8" | 3.3" | .20" | STR35001 |
| 2" | 2.38" | 2.32" to 2.42" | **232** | 3.0" | 1.4" | .28" | 3.2" | 3.7" | .20" | STR35151 |
| 2-1/2" | 2.88" | 2.81" to 2.93" | **232** | 3.0" | 1.4" | .36" | 3.2" | 3.7" | .20" | STR35201 |
| 3" | 3.50" | 3.44" to 3.56" | **232** | 3.7" | 2.0" | .36" | 4.4" | 4.9" | .20" | STR35351 |
| 4" | 4.50" | 4.43" to 4.57" | **232** | 3.7" | 2.0" | .36" | 5.4" | 5.9" | .20" | STR35651 |
| 5" | 5.56" | 5.49" to 5.57" | **232** | 4.2" | 2.4" | .38" | 6.4" | 7.1" | .20" | STR35901 |
| 6" | 6.63" | 6.54" to 6.71" | **232** | 4.2" | 2.4" | .38" | 7.5" | 8.1" | .20" | STR36051 |

NOTE: Not pull-out resistant. Ensure that pipes are properly anchored and supported.



### Assembly Tool

| Part # |
|---|
| STR6648 |

## Boss Ductile Flanges

New

### Lap-Joint

**Features**
- ANSI B16.5 class 150 lb. bolt circle

**Material**
- Ductile iron ASTM A-395 (60-40-18)



| Size | I.D. | O.D. | Thickness | Hub at Base | Length Through Hub | Inside Corner Radius | Bolt Hole Diameter | Bolt Circle Diameter | Ductile Iron Part # |
|---|---|---|---|---|---|---|---|---|---|
| 1" | 1.38 | 4.25 | 0.56 | 1.94 | 0.69 | 0.13 | 0.63 | 3.12 | LJD100 |
| 1-1/2" | 1.97 | 5.00 | 0.69 | 2.56 | 0.88 | 0.25 | 0.63 | 3.88 | LJD150 |
| 2" | 2.46 | 6.00 | 0.75 | 3.06 | 1.00 | 0.31 | 0.75 | 4.75 | LJD200 |
| 3" | 3.60 | 7.50 | 0.94 | 4.25 | 1.19 | 0.38 | 0.75 | 6.00 | LJD300 |
| 4" | 4.60 | 9.00 | 0.94 | 5.31 | 1.31 | 0.44 | 0.75 | 7.50 | LJD400 |
| 6" | 6.75 | 11.00 | 1.00 | 7.56 | 1.56 | 0.50 | 0.88 | 9.50 | LJD600 |
| 8" | 8.75 | 13.50 | 1.12 | 9.69 | 1.75 | 0.50 | 0.88 | 11.75 | LJD800 |
| 10" | 10.92 | 16.00 | 1.19 | 12.00 | 1.94 | 0.50 | 1.00 | 14.25 | LJD1000 |
| 12" | 12.92 | 19.00 | 1.25 | 14.38 | 2.19 | 0.50 | 1.00 | 17.00 | LJD1200 |

### Slip-on Angle Ring

**Feature**
- ANSI B16.5 class 150 lb. bolt circle

**Material**
- Ductile iron ASTM A-536 (65-45-12)



| Size | I.D. | O.D. | Thickness | Bolt Hole Diameter | Bolt Circle Diameter | Ductile Iron Part # |
|---|---|---|---|---|---|---|
| 1" | 1.75 | 4.5 | 0.50 | 0.63 | 3.13 | BFAR100 |
| 1-1/2" | 2.25 | 5.0 | 0.50 | 0.63 | 3.88 | BFAR150 |
| 2" | 2.75 | 6.0 | 0.50 | 0.75 | 4.75 | BFAR200 |
| 3" | 3.88 | 7.5 | 0.50 | 0.75 | 6.00 | BFAR300 |
| 4" | 4.93 | 9.0 | 0.56 | 0.75 | 7.50 | BFAR400 |
| 6" | 7.13 | 11.0 | 0.63 | 0.88 | 9.50 | BFAR600 |
| 8" | 9.19 | 13.5 | 0.63 | 0.88 | 11.75 | BFAR800 |
| 10" | 11.31 | 16.0 | 0.63 | 1.00 | 14.25 | BFAR1000 |
| 12" | 13.38 | 19.0 | 0.75 | 1.00 | 17.00 | BFAR1200 |
| 14" | 14.88 | 21.0 | 0.75 | 1.13 | 18.75 | BFAR1400 |
| 16" | 16.88 | 23.5 | 0.75 | 1.13 | 21.25 | BFAR1600 |
| 18" | 18.88 | 25.0 | 0.88 | 1.25 | 22.75 | BFAR1800 |

P

### Back-up Flange for Stub End

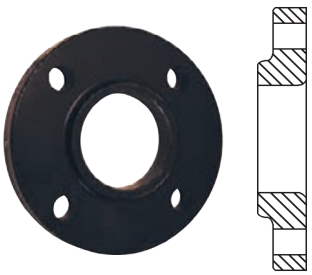
**Feature**
- ANSI B16.5 class 150 lb. bolt circle

**Material**
- Ductile iron ASTM A-536 (65-45-12)



| Size | I.D. | O.D. | Thickness | Bolt Hole Diameter | Bolt Circle Diameter | Ductile Iron Part # |
|---|---|---|---|---|---|---|
| 1" | 1.38 | 4.3 | 0.50 | 0.63 | 3.13 | BFSE100 |
| 1-1/2" | 1.97 | 5.0 | 0.50 | 0.75 | 3.88 | BFSE150 |
| 2" | 2.44 | 6.0 | 0.50 | 0.75 | 4.75 | BFSE200 |
| 3" | 3.56 | 7.5 | 0.50 | 0.75 | 6.00 | BFSE300 |
| 4" | 4.56 | 9.0 | 0.56 | 0.75 | 7.50 | BFSE400 |
| 6" | 6.75 | 11.0 | 0.63 | 0.88 | 9.50 | BFSE600 |

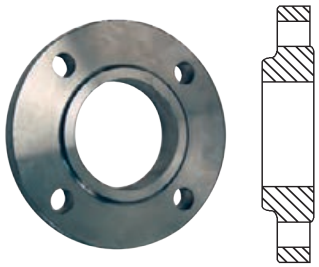
## 150 Lb. ASA Forged Lap Joint Flanges



**Features**
- No raised face
- Commonly called a Van Stone or a floating flange

| Size | Number of Bolts | Carbon Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1" | 4 | LJ100 | --- |
| 1-1/4" | | LJ125 | --- |
| 1-1/2" | | LJ150 | LJR150 |
| 2" | | LJ200 | LJR200 |
| 2-1/2" | | LJ250 | --- |
| 3" | | LJ300 | LJR300 |
| 4" | 8 | LJ400 | LJR400 |
| 5" | | LJ500 | --- |
| 6" | | LJ600 | LJR600 |
| 8" | | LJ800 | --- |
| 10" | 12 | LJ1000 | --- |
| 12" | | LJ1200 | --- |

## 150 Lb. ASA Forged Slip-On Flanges

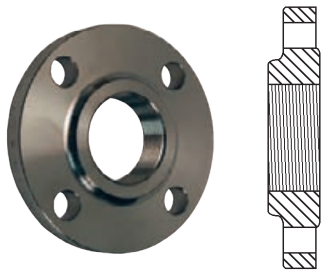


**Feature**
- Raised face

| Size | Number of Bolts | Carbon Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1" | 4 | SO100 | --- |
| 1-1/4" | | SO125 | --- |
| 1-1/2" | | SO150 | SOR150 |
| 2" | | SO200 | SOR200 |
| 2-1/2" | | SO250 | --- |
| 3" | | SO300 | SOR300 |
| 4" | 8 | SO400 | SOR400 |
| 5" | | SO500 | --- |
| 6" | | SO600 | SOR600 |
| 8" | | SO800 | --- |
| 10" | 12 | SO1000 | --- |
| 12" | | SO1200 | --- |

## 150 Lb. ASA Forged NPT Threaded Flanges

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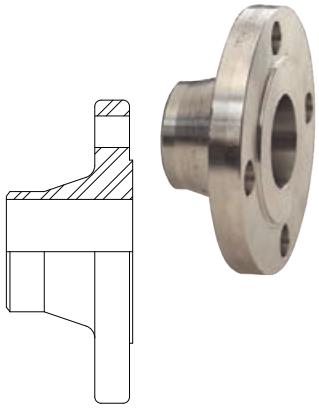
**Feature**
- Raised face

| Size | Number of Bolts | Carbon Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 1" | 4 | T100 | --- |
| 1-1/4" | | T125 | --- |
| 1-1/2" | | T150 | TR150 |
| 2" | | T200 | TR200 |
| 2-1/2" | | T250 | --- |
| 3" | | T300 | TR300 |
| 4" | 8 | T400 | TR400 |
| 5" | | T500 | --- |
| 6" | | T600 | TR600 |
| 8" | | T800 | --- |
| 10" | 12 | T1000 | --- |
| 12" | | T1200 | --- |

## 150 Lb. Weld Neck ASA Forged Flanges

**Feature**
- Raised face

| Size | Number of Bolts | Carbon Steel Part # |
|---|---|---|
| 1" | 4 | WN100 |
| 1-1/4" | | WN125 |
| 1-1/2" | | WN150 |
| 2" | | WN200 |
| 3" | | WN300 |
| 4" | 8 | WN400 |
| 5" | | WN500 |
| 6" | | WN600 |
| 8" | | WN800 |
| 10" | 12 | WN1000 |



### Flange Gaskets

**Features**
- Standard drop-ring type all 1/16" thick
- Reference page 1056 for joint sealant gasket material
- For flange dimensional information and diagrams please reference dixonvalve.com

| Size | Neoprene Part # | Klingersil® C-4401 Part # |
|---|---|---|
| 1" | NG10 | AG10 |
| 1-1/4" | NG15 | AG15 |
| 1-1/2" | NG20 | AG20 |
| 2" | NG25 | AG25 |
| 2-1/2" | NG30 | AG30 |
| 3" | NG35 | AG35 |
| 4" | NG40 | AG40 |
| 5" | NG50 | --- |
| 6" | NG60 | AG60 |
| 8" | NG80 | AG80 |



carbon steel



Klingersil® C-4401

## ANSI Flat Face Flange x Male NST (NH)

**Materials**
- Flange - black powder coated carbon steel
- Male adapter - black anodized aluminum

| Size | PSI | Carbon Steel / Aluminum Part # |
|---|---|---|
| 6" NST (NH) | **175** | T600-60F |



## King Turned Back Weld-To-Metal Hose Nipples

**Application**
- For use with slip-on and lap joint flanges shown on previous page

**Features**
- MSS Length
- Phono-finish face (type CS), except 10" and 12" have smooth face (type C)

| Size | Length | Schedule 40 Plated Carbon Steel Part # | Schedule 40 316 Stainless Steel Part # |
|---|---|---|---|
| 1" | 2" | NW10 | RNW10-40 |
| 1-1/4" | 2" | NW15 | RNW15-40 |
| 1-1/2" | 2" | NW20 | RNW20-40 |
| 2" | 2-1/2" | NW25 | RNW25-40 |
| 2-1/2" | 2-1/2" | NW30 | RNW30-40 |
| 3" | 2-1/2" | NW35 | RNW35-40 |
| 4" | 3" | NW40 | RNW40-40 |
| 6" | 3-1/2" | NW60 | RNW60-40 |
| 8" | 4" | NW80 | RNW80-40 |





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## Quick Release Couplings - Series-Q

**Applications**
- Designed for applications requiring a quick connection and/or disconnection of a pipe joint

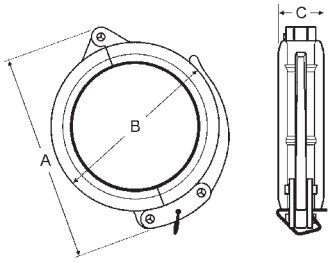
**Comparable to**
- Victaulic's #78
- Grinnell's #7003

**Features**
- A locking pin through the handle prevents accidental opening of the coupling
- See page 962 for replacement gaskets

**Materials**
- Ductile iron body with zinc plating and steel safety clip



| Nominal Size | Pipe O.D. | Maximum Working Pressure PSI at 70°F (21°C) | Maximum End Load (Lbs.) | Ductile Iron | |
|---|---|---|---|---|---|
| | | | | Part # with EPDM gasket | Part # with Nitrile Rubber gasket |
| 1-1/2" | 1.900" | **300** | 850 | H315 | H315BU |
| 2" | 2.375" | **300** | 1329 | H32 | H32BU |
| 2-1/2" | 2.875" | **300** | 2120 | H325 | H325BU |
| 3" | 3.500" | **300** | 2886 | H33 | H33BU |
| 4" | 4.500" | **300** | 4771 | H34 | H34BU |
| 6" | 6.625" | **300** | 10341 | H36 | H36BU |




**Dimensions**

| A | B | C |
|---|---|---|
| 4-3/4" | 3-1/2" | 1" |
| 5-1/2" | 3-3/4" | 1-7/8" |
| 5-7/8" | 4-3/4" | 1-7/8" |
| 7-1/4" | 5-1/4" | 1-7/8" |
| 8-1/2" | 6-1/2" | 2" |
| 10-5/8" | 8-1/2" | 2" |



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# Standard Couplings - Series-S, Style 11

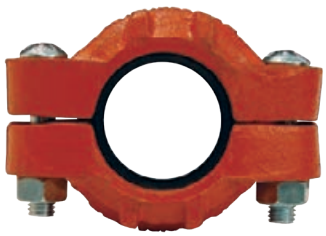
### Applications
- Designed for a wide range of applications including commercial/industrial construction, mining, and process piping

### Features
- Housing design allows for optimum strength without excessive casting weight.
- See pages 962, 967-968 for replacement gaskets, nuts, and bolts

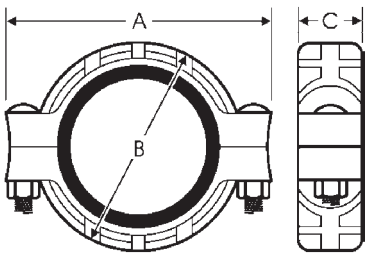
### Comparable to
- Victaulic's #77
- Grinnell's #7001

### Material
- Ductile iron body with rust-inhibiting paint

### Approvals
- UL listed and Factory Mutual approved



| Nominal Size | Pipe O.D. | Maximum Working Pressure PSI at 70°F (21°C) | Maximum End Load (Lbs.) | Bolts | | | Ductile Iron | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | qty | size | length | Part # with EPDM gasket | Part # with Nitrile Rubber gasket | Part # with FKM gasket |
| 1-1/2" | 1.900" | **1000** | 2835 | 2 | 3/8" | 2" | C115 | C115BU | --- |
| 2" | 2.375" | **1000** | 4430 | 2 | 1/2" | 2-3/4" | C12 | C12BU | C12V |
| 2-1/2" | 2.875" | **1000** | 6492 | 2 | 1/2" | 2-3/4" | C125 | C125BU | --- |
| 3" | 3.500" | **1000** | 9621 | 2 | 1/2" | 3" | C13 | C13BU | C13V |
| 4" | 4.500" | **1000** | 15904 | 2 | 5/8" | 3-1/4" | C14 | C14BU | C14V |
| 6" | 6.625" | **1000** | 34472 | 2 | 3/4" | 4-1/4" | C16 | C16BU | --- |
| 8" | 8.625" | **800** | 46741 | 2 | 7/8" | 5" | C18 | C18BU | --- |
| 10" | 10.750" | **800** | 72610 | 2 | 7/8" | 5" | C20 | C20BU | --- |
| 12" | 12.750" | **800** | 102141 | 2 | 7/8" | 5" | C24 | C24BU | --- |




### Dimensions

| A | B | C |
|---|---|---|
| 4-5/8" | 3" | 1-7/8" |
| 5-15/64" | 3-45/64" | 1-27/32" |
| 5-5/8" | 4-1/4" | 1-27/32" |
| 6-21/32" | 5" | 1-27/32" |
| 8-17/64" | 6-3/8" | 2-3/64" |
| 11-7/32" | 8-57/64" | 2-3/64" |
| 14-1/64" | 11-3/8" | 2-23/64" |
| 16-5/8" | 13-1/2" | 2-5/8" |

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## Lightweight Flexible Couplings - Series-L, Style 10

### Applications
- Designed for applications requiring moderate internal pressure or where weight is a factor such as general purpose, mining, irrigation, and compressed air where a deflection of 5% or less is required

### Feature
- See pages 962, 967-968 for replacement gaskets, nuts, and bolts

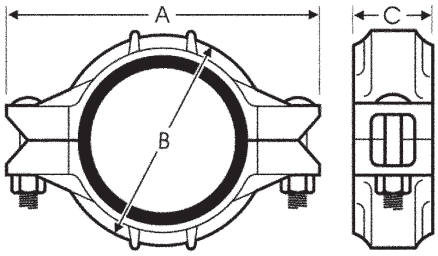
### Comparable to
- Victaulic's #75
- Grinnell's #7000

### Material
- Ductile iron body with rust inhibiting paint

### Approvals
- UL listed and Factory Mutual approved



| Nominal Size | Pipe O.D. | Maximum Working Pressure PSI at 70°F (21°C) | Maximum End Load (Lbs.) | Bolts | | | Ductile Iron | |
|---|---|---|---|---|---|---|---|---|
| | | | | qty | size | length | Part # with EPDM gasket | Part # with Nitrile Rubber gasket |
| 1-1/2" | 1.900" | **500** | 1418 | 2 | 3/8" | 2-1/4" | L215 | L215BU |
| 2" | 2.375" | **500** | 2215 | 2 | 3/8" | 2" | L02 | L02BU |
| 2-1/2" | 2.875" | **300** | 3246 | 2 | 3/8" | 2" | L025 | L025BU |
| 3" | 3.500" | **300** | 4811 | 2 | 1/2" | 2-3/4" | L03 | L03BU |
| 4" | 4.500" | **300** | 6362 | 2 | 1/2" | 2-3/4" | L04 | L04BU |
| 5" | 5.563" | **300** | 9722 | 2 | 5/8" | 3-1/4" | L05 | L05BU |
| 6" | 6.625" | **300** | 13789 | 2 | 5/8" | 3-1/4" | L06 | L06BU |
| 8" | 8.625" | **300** | 20449 | 2 | 3/4" | 4-1/4" | L08 | L08BU |
| 10" | 10.750" | **350** | 29815 | 2 | 3/4" | 4-1/4" | L010 | L010BU |
| 12" | 12.750" | **350** | 40581 | 2 | 7/8" | 5" | L012 | L012BU |




**Dimensions**

| A | B | C |
|---|---|---|
| 4-1/2" | 2-29/32" | 1-25/32" |
| 4-7/8" | 3-25/64" | 1-27/32" |
| 5-15/32" | 3-45/64" | 1-27/32" |
| 6-27/64" | 4-39/64" | 1-27/32" |
| 7-33/64" | 5-7/8" | 2 -1/64" |
| 9-17/32" | 7-3/32" | 2 -1/64" |
| 10-7/16" | 8-7/64" | 2-3/64" |
| 13-15/32" | 10-5/32" | 2-13/32" |



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# Rigid Couplings - Series-R, Style 5

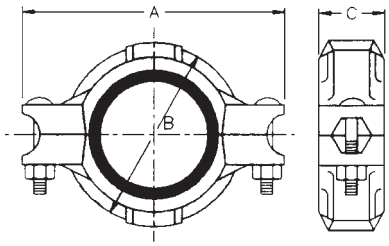
## Applications
- Ideal for fire protection, plumbing, low pressure air, and drainage

## Features
- Lightweight, low pressure
- Small gripping teeth hold the housing into the groove allowing a straight run of pipe and preventing any flex at the joint
- See pages 962, 967-968 for replacement gaskets, nuts, and bolts

## Approvals
- UL listed and Factory Mutual approved



| Nominal Size | Pipe O.D. | Maximum Working Pressure PSI at 70°F (21°C) | Maximum End Load (Lbs.) | Bolts | | | Galvanized Ductile Iron | |
|---|---|---|---|---|---|---|---|---|
| | | | | qty | size | length | Part # with EPDM gasket | Part # with Nitrile Rubber gasket |
| 2" | 2.375" | **175** | 4425 | 2 | 3/8" | 2" | R72 | R72BU |
| 2-1/2" | 2.875" | **175** | 6490 | 2 | 3/8" | 2" | R725 | R725BU |
| 3" | 3.500" | **175** | 9620 | 2 | 1/2" | 2-3/4" | R73 | R73BU |
| 4" | 4.500" | **175** | 12720 | 2 | 1/2" | 2-3/4" | R74 | R74BU |
| 6" | 6.625" | **175** | 27570 | 2 | 5/8" | 31/4" | R76 | R76BU |
| 8" | 8.625" | **175** | 35050 | 2 | 3/4" | 4-1/4" | R78 | R78BU |




### Dimensions

| A | B | C |
|---|---|---|
| 4-7/8" | 3-17/32" | 1-27/32" |
| 5-5/8" | 3-45/64" | 1-3/4" |
| 6-3/8" | 4-41/64" | 1-27/32" |
| 7-45/64" | 5-15/16" | 2" |
| 10-25/32" | 8-7/64" | 2-3/64" |
| 13-25/32" | 10" | 2-21/64" |



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## Grooved Bolted Clamps

### Features
- Bolt torque: 20 ft. lbs.
- Precision casting and machined dimensions provide an exact fit and great appearance
- Use of lock nuts prevents clamps from loosening in high vibration applications
- Leak-tight connection
- Intended for tank truck applications only
- Unlike steel groove clamps that secure pipe ends with high clamp force against the tubing walls, the Dixon® bolted clamp takes the full bolt force and locks in the groove of the tube preventing distortion of the tube diameter
- White nitrile rubber for use in dry bulk food applications



clamp with black nitrile rubber gasket
Note: Supplied clamp gasket must be installed prior to use, ships separately.

### Specifications
- Temperature ratings for FKM-B is **20°F** to **300°F (-7°C** to **149°C)**
- Temperature ratings for Baylast is **-20°F** to **180°F (-29°C** to **82°C)**
- 2" pressure rating: **400 PSI**
- 3" pressure rating: **170 PSI**
- 4" pressure rating: **120 PSI**

### Approvals
- FKM-B rated for 100% biodiesel and Ethanol
- Nitrile rubber rated for petroleum service, Ethanol to E100, and biodiesel to B20
- Baylast™ rated for petroleum service, Ethanol to E100, and biodiesel to B100

| Size | Gasket Material | Aluminum Part # |
|---|---|---|
| 2" | FKM-B | DBV-VB200 |
| 3" | | DBV-VB300 |
| 4" | | DBV-VB400 |
| 2" | Nitrile rubber | DBV-BN200 |
| 3" | | DBV-BN300 |
| 4" | | DBV-BN400 |
| 2" | Baylast | DBV-BL200 |
| 3" | | DBV-BL300 |
| 4" | | DBV-BL400 |
| 4" | white nitrile rubber | DBV-WB400 |

### Replacement Gaskets



| Size | Material | Part # |
|---|---|---|
| 2" | FKM-B | G200VB |
| 3" | | G300VB |
| 4" | | G400VB |
| 3" | Nitrile rubber | G300T |
| 4" | | G400T |
| 2" | Baylast | G200BL |
| 3" | | G300BL |
| 4" | | G400BL |
| 4" | white nitrile rubber | G400N |

## Painted Iron Clamps with Baylast Gaskets

### Feature
- Painted red

### Approvals
- Baylast seal is rated for biodiesel, Ethanol, diesel, gas, and ULSD



| Size | Maximum PSI | Iron Part # |
|---|---|---|
| 2" | **500** | L02BL |
| 3" | **300** | L03BL |



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# Mechanical Tees - Series-T

## Application
- Provides a fast easy way to install a threaded connection along a length of pipe; after drilling or cutting a hole in the pipe at the location of the branch connection, simply attach the clamps around the pipe for a leak-free threaded outlet connection; see chart below for drilling hole specifications

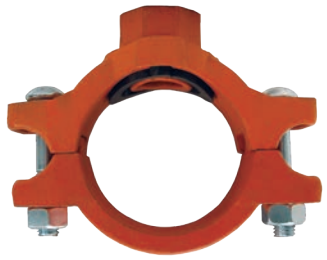
## Features
- Supplied with EPDM gasket
- See pages 962, 967-968 for replacement gaskets, nuts, and bolts

## Material
- Ductile iron body with rust inhibiting paint

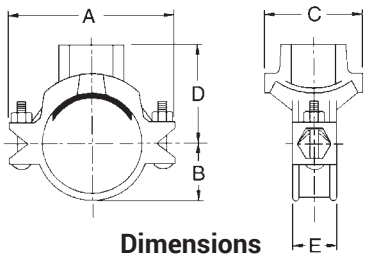
## Specification
- Maximum operating pressure: **300 PSI** at **70°F (21°C)**

## Approvals
- UL listed and Factory Mutual approved

## Comparable to
- Victaulic's #920
- Grinnell's #7045



| Nominal Size | Branch Size | Hole Saw Diameter | Maximum End Load (Lbs.) | Bolts | | | Ductile Iron Part # |
|---|---|---|---|---|---|---|---|
| | | | | qty | size | length | |
| 2" | 1" | 1-1/2" | 1-5/8" | 2 | 3/8" | 2" | MT2010 |
| | 1-1/4" | 1-3/4" | 1-7/8" | 2 | 3/8" | 2" | MT20125 |
| | 1-1/2" | 1-3/4" | 1-7/8" | 2 | 3/8" | 2" | MT20150 |
| 2-1/2" | 1-1/4" | 2" | 2-1/8" | 2 | 1/2" | 2-5/8" | MT250125 |
| 3" | 1" | 1-1/2" | 1-5/8" | 2 | 1/2" | 2-3/4" | MT3010 |
| | 1-1/2" | 2" | 2-1/8" | 2 | 1/2" | 2-3/4" | MT30150 |
| 4" | 1" | 1-1/2" | 1-5/8" | 2 | 1/2" | 2-3/4" | MT4010 |
| | 1-1/4" | 2" | 2-1/8" | 2 | 1/2" | 2-3/4" | MT40125 |
| | 1-1/2" | 2" | 2-1/8" | 2 | 1/2" | 2-3/4" | MT40150 |
| | 2" | 2-1/2" | 2-5/8" | 2 | 1/2" | 2-3/4" | MT4020 |
| | 2-1/2" | 2-3/4" | 2-7/8" | 2 | 1/2" | 2-3/4" | MT40250 |
| | 3" | 3-1/2" | 3-5/8" | 2 | 1/2" | 2-3/4" | MT4030 |
| 6" | 1-1/4" | 2-1/2" | 2-5/8" | 2 | 5/8" | 3-1/4" | MT60125 |
| | 1-1/2" | 2-1/2" | 2-5/8" | 2 | 5/8" | 3-1/4" | MT60150 |
| | 2" | 2-1/2" | 2-5/8" | 2 | 5/8" | 3-1/4" | MT6020 |
| | 3" | 3-1/2" | 3-5/8" | 2 | 5/8" | 3-1/4" | MT6030 |



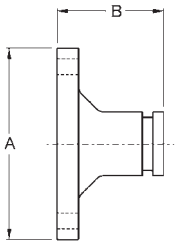

**Dimensions**

| A | B | C | D | E |
|---|---|---|---|---|
| 4-1/2" | 1-3/8" | 2-3/4" | 2-1/4" | 1-7/8" |
| 4-1/2" | 1-3/8" | 2-3/4" | 2-1/2" | 1-7/8" |
| 4-1/2" | 1-3/8" | 2-3/4" | 2-1/2" | 1-7/8" |
| 5-5/32" | 1-11/16" | 3" | 2-31/32" | 2" |
| 5-13/16" | 1-11/16" | 3-11/32" | 3" | 2" |
| 6-11/32" | 2-1/8" | 3-3/32" | 3-1/16" | 2" |
| 6-11/32" | 2-1/8" | 3-3/4" | 3-3/8" | 2" |
| 7-5/16" | 2-9/16" | 3-3/32" | 3-1/2" | 2" |
| 7-5/16" | 2-9/16" | 3-3/4" | 3-7/8" | 2" |
| 7-5/16" | 2-9/16" | 3-3/4" | 3-7/8" | 2" |
| 7-5/16" | 2-9/16" | 4-1/8" | 4" | 2" |
| 7-5/16" | 2-9/16" | 4-3/8" | 4" | 2" |
| 7-5/16" | 2-9/16" | 5-1/4" | 4-1/4" | 2" |
| 10-5/32" | 3-11/16" | 4-1/8" | 4-7/8" | 2-1/4" |
| 10-5/32" | 3-11/16" | 4-1/8" | 4-7/8" | 2-1/4" |



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## Flange Adapters - Series-FA

**Application**
- Used to connect an ANSI Class 125 and 150 flange to a grooved pipe using a grooved clamp

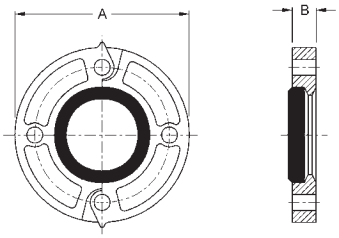
**Feature**
- Provides a rigid one-piece connection that can be disconnected by removing the clamp assembly, o assemble to another flange, position bolt heads on the adapter (grooved) side

**Material**
- Ductile iron body with rust inhibiting paint

| Nominal Size | Pipe O.D. | Maximum Working Pressure PSI at 70°F (21°C) | Flange Dimensions | | Bolts | | Ductile Iron Part # |
|---|---|---|---|---|---|---|---|
| | | | A | B | Qty | size | |
| 2" | 2.375" | **300** | 6" | 2-3/8" | 4 | 5/8" | FA20 |
| 3" | 3.500" | **300** | 7-1/4" | 2-3/8" | 4 | 5/8" | FA30 |
| 4" | 4.500" | **300** | 8-1/2" | 2-3/8" | 8 | 5/8" | FA40 |
| 6" | 6.625" | **300** | 11" | 2-9/16" | 8 | 3/4" | FA60 |
| 8" | 8.625" | **300** | 13-1/4" | 3" | 8 | 3/4" | FA80 |

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## ANSI Split Flanges - Series-SF

**Application**
- Provides a direct connection between a grooved adapter and an ANSI Class 125 and 150 raised face flanged component

**Features**
- Can be used with flat face flanges by removing the raised projections on the outside face of the flange
- Nitrile rubber gaskets are available upon request

**Material**
- Ductile iron body with rust inhibiting paint

**Approvals**
- UL Listed and Factory Mutual approved

**Comparable to**
- Victaulic's #741
- Grinnell's #7012

| Nom. Size | Pipe O.D. | Max. Work. Press. PSI at 70°F (21°C) | Flange Dims. | | Bolts | | Ductile Iron with Gasket Part #[1] | Replacement EPDM Gaskets Part #[2] |
|---|---|---|---|---|---|---|---|---|
| | | | A | B | qty | size | | |
| 2" | 2.375" | **300** | 6" | 13/16" | 4 | 5/8" | ANSI20 | FLG200E |
| 2-1/2" | 2.875" | **300** | 7" | 13/16" | 4 | 5/8" | ANSI25 | FLG250E |
| 3" | 3.500" | **300** | 7-1/2" | 13/16" | 4 | 5/8" | ANSI30 | FLG300E |
| 4" | 4.500" | **300** | 9" | 15/16" | 8 | 5/8" | ANSI40 | FLG400E |
| 6" | 6.625" | **300** | 11" | 1" | 8 | 3/4" | ANSI60 | FLG600E |
| 8" | 8.625" | **300** | 13-1/2" | 1-1/8" | 8 | 3/4" | ANSI80 | FLG800E |

[1] With EPDM gasket
[2] Replacement gasket

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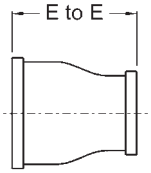


## Reducing Adapters - Series-RA

**Material**
- Ductile iron body with rust inhibiting paint

**Comparable to**
- Victaulic's #50
- Grinnell's #7072

**Approvals**
- UL listed and Factory Mutual approved

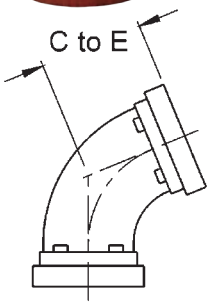



| Nominal Size | Nominal Size | Dimensions E to E | Ductile Iron Part # |
|---|---|---|---|
| 2" | 1-1/2" | 2.5" | RAGG20150 |
| 2-1/2" | 2" | 2.5" | RAGG25020 |
| 3" | 2" | 2.5" | RAGG3020 |
| | 2-1/2" | 2.5" | RAGG30250 |
| 4" | 2" | 3.0" | RAGG4020 |
| | 2-1/2" | 3.0" | RAGG40250 |
| | 3" | 3.0" | RAGG4030 |
| 5" | 4" | 3.5" | RAGG5040 |
| 6" | 2" | 4.0" | RAGG6020 |
| | 2-1/2" | 4.0" | RAGG60250 |
| | 3" | 4.0" | RAGG6030 |

# Grooved End Fittings - Series 45

## Series-45






**Feature**
- Designed to provide minimum pressure drop and uniform strength

**Material**
- Ductile iron body with rust inhibiting paint

**Specification**
- Maximum operating pressure: **500 PSI** at ambient temperature **70°F (21°C)**

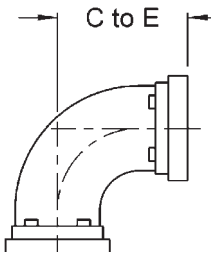
**Approvals**
- Underwriters Listed and Factory Mutual approved

**Comparable to**
- Victaulic's #110
- Grinnell's #7051

| Nominal Size | Dimensions C to E | Ductile Iron Part # |
|---|---|---|
| 2" | 2" | L2045 |
| 2-1/2" | 2-1/4" | L2545 |
| 3" | 2-1/2" | L3045 |
| 4" | 3" | L4045 |
| 5" | 3-1/4" | L5145 |
| 6" | 3-1/2" | L6045 |
| 8" | 4-1/4" | L8045 |

## Series-90






**Feature**
- Designed to provide minimum pressure drop and uniform strength

**Material**
- Ductile iron body with rust inhibiting paint

**Specification**
- Maximum operating pressure: **500 PSI** at ambient temperature **70°F (21°C)**

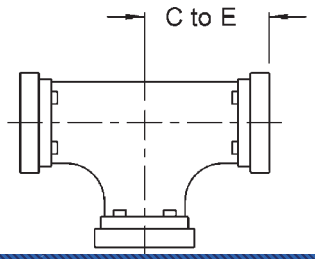
**Approvals**
- Underwriters Listed and Factory Mutual approved

**Comparable to**
- Victaulic's #10
- Grinnell's #7050

| Nominal Size | Dimensions C to E | Ductile Iron Part # |
|---|---|---|
| 2" | 3-1/4" | L502 |
| 2-1/2" | 3-3/4" | L5025 |
| 3" | 4-1/4" | L503 |
| 4" | 5" | L504 |
| 6" | 6-1/2" | L506 |
| 8" | 7-3/4" | L508 |

## Series-T






**Feature**
- Designed to provide minimum pressure drop and uniform strength

**Material**
- Ductile iron body with rust inhibiting paint

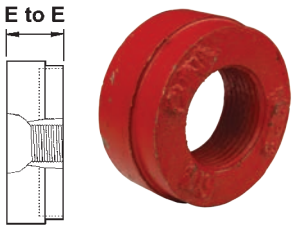
**Specification**
- Maximum operating pressure: **500 PSI** at ambient temperature **70°F (21°C)**

**Approvals**
- Underwriters Listed and Factory Mutual approved

**Comparable to**
- Victaulic's #20
- Grinnell's #7060

| Nominal Size | Dimensions C to E | Ductile Iron Part # |
|---|---|---|
| 2" | 3-1/4" | T602 |
| 2-1/2" | 3-3/4" | T6025 |
| 3" | 4-1/4" | T603 |
| 4" | 5" | T604 |

## ANSI Caps with Tapped Outlet - Series-EC

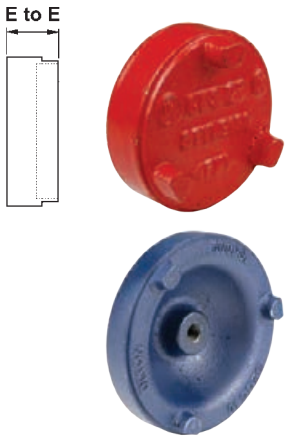



**Feature**
- Painted with rust-inhibiting paint

| Nominal Size | Outlet | Dimensions E to E | Ductile Iron Part # |
|---|---|---|---|
| 2" | 1" | 7/8" | EC201 |
| 2-1/2" | 1" | | EC251 |
| 3" | 1" | | EC301 |
| 4" | 1" | 1" | EC401 |
| | 2" | | EC402 |
| 6" | 1" | | EC601 |

UL FM

## Blank Caps - Series-BE



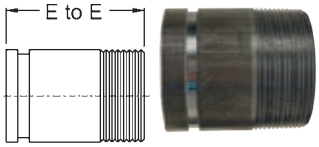

**Feature**
- Painted with rust-inhibiting paint

**Comparable to**
- Victaulic's #60
- Grinnell's #7074

**Approvals**
- Underwriters Listed and Factory Mutual approved

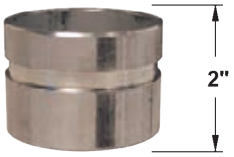
| Nominal Size | Dimensions E to E | Ductile Iron Part # |
|---|---|---|
| 2" | 7/8" | BEC20 |
| 2-1/2" | 7/8" | BEC25 |
| 3" | 7/8" | BEC30 |
| 5" | 1-19/32 | BECC50 |
| 4" | 1" | BEC40 |
| 6" | 1" | BEC60 |
| 8" | 1-3/16" | BEC80 |
| 8" | 1-7/8 | BECC80 |

## Long Pipe Style Nipples - Series-AN




| Groove x NPT | Dimensions E to E | Carbon Steel Part # |
|---|---|---|
| 2" | 4" | A712 |
| 2-1/2" | | A7125 |
| 3" | | A713 |
| 4" | 6" | A714 |
| 5" | | A715 |
| 6" | | A716 |

## Grooved End x Weld Nipples




| Nominal Size | Aluminum Part # | Carbon Steel Part # | 316 Stainless Steel Part # |
|---|---|---|---|
| 2" | AVN2000-200 | VN2000-200 | VNR2000-200 |
| 2-1/2" | AVN2500-200 | VN2500-200 | VNR2500-200 |
| 3" | AVN3000-200 | VN3000-200 | VNR3000-200 |
| 4" | AVN4000-200 | VN4000-200 | VNR4000-200 |

NOTE: For additional information on pipe dimensions, please reference dixonvalve.com.

## Grooved End Butterfly Valves



**Application**
- For water and air

**Materials**
- Body: ductile iron, epoxy coated; disc: ductile iron, EPDM encapsulated; stem: stainless steel; notch plate: zinc plated steel; seals: EPDM

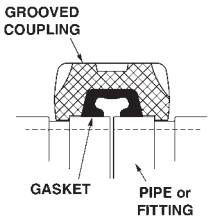
**Specifications**
- Working pressure: **300 PSI**
- Maximum temperature: **210°F (99°C)**

| Size | Ductile Iron Part # |
|---|---|
| 2" | GIBFV200 |
| 2-1/2" | GIBFV250 |
| 3" | GIBFV300 |
| 4" | GIBFV400 |



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## Grooved Fitting Gaskets




- Check gasket color code to be certain it is recommended for the service intended
- Use lubricant on gasket (reference next page)
- For services not listed contact Dixon® for recommendations

### FKM Gaskets

**Features**
- Color code: black with blue stripe
- Resistant to oxidizing acids, petroleum oils, hydraulic fluids, halogenated hydrocarbons, and lubricants

**Specification**
- Temperature range: **-13°F** to **350°F** **(-11°C** to **177°C)**

| Size | FKM Part # |
|---|---|
| 2" | G200V |
| 3" | G300V |
| 4" | G400V |
| 6" | G600V |
| 8" | G800V |
| 10" | G1000V |
| 12" | G1200V |



### EPDM Gaskets

**Features**
- Color code: black with green stripe
- For water, dilute acids, alkalies, salts, and many chemical services not involving hydrocarbons, oils, or gases
- Excellent oxidation resistance
- Not for use with hydrocarbons

**Specification**
- Temperature range: **-22°F** to **230°F** **(-30°C** to **110°C)**

| Size | EPDM Part # |
|---|---|
| 1-1/2" | G150E |
| 2" | G200E |
| 2-1/2" | G250E |
| 3" | G300E |
| 4" | G400E |
| 5" | G500E |
| 6" | G600E |
| 8" | G800E |
| 10" | G1000E |
| 12" | G1200E |



P

### Nitrile Rubber Gaskets

**Features**
- For petroleum products, vegetable oils, mineral oils, and air contaminated with petroleum oils
- Not for use in hot water services

**Specification**
- Temperature range: **-24°F** to **176°F** **(-31°C** to **80°F)**

| Size | Black Nitrile Rubber with Orange Stripe Part # | White Nitrile Rubber Part # |
|---|---|---|
| 1-1/2" | G150T | --- |
| 2" | G200T | --- |
| 2-1/2" | G250T | --- |
| 3" | G300T | --- |
| 4" | G400T | G400N |
| 5" | G500T | --- |
| 6" | G600T | --- |
| 8" | G800T | --- |
| 10" | G1000T | |



# Grooved Fitting Accessories

## Nuts and Bolts



**Features**
- The nuts are a heavy hexagon design
- Specifically designed for use with the couplings on pages 959 - 963

**Approval**
- Conforms to ASTM A183

| Bolt Thread | Bolt Length | Torque (Ft. Lbs.) | Electroplated Carbon Steel Part # |
|---|---|---|---|
| 3/8" | 2" | 30 | BLT38200 |
| | 2-1/4" | | BLT38225 |
| 1/2" | 2-1/2" | 50 | BLT50212 |
| | 2-3/4" | | BLT50234 |
| | 3" | | BLT50300 |
| 5/8" | 3-1/4" | 75 | BLT58314 |
| 3/4" | 4-1/4" | 75 | BLT75414 |
| 7/8" | 5" | 200 | BLT78500 |

## Groove Lube




**Features**
- Water soluble
- Non-toxic
- Non-corrosive
- Non-flammable
- Should not be used with High Density Polyethylene (HDPE) pipe

**Approval**
- NSF approved for use with potable water

| Size | Container | Part # |
|---|---|---|
| 1 qt. | Tub | GROOVLUB32 |

P

# High Density Polyethylene (HDPE) Couplings





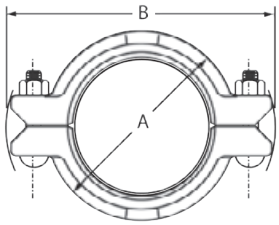
### Applications
- Designed for mechanically joining high density polyethylene pipe and fittings

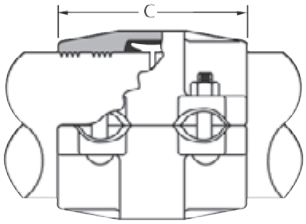
### Feature
- Uses four bolts to drive the sharply machined housing teeth into the outside of the pipe

### Material
- Ductile iron body with rust inhibiting paint

### Comparable to
- Grinnell's #9095

| Nominal Size | Pipe O.D. | Bolts | | | Ductile Iron | |
|---|---|---|---|---|---|---|
| | | qty | size | length | Part # with EPDM gasket | Part # with Nitrile Rubber gasket |
| 2" | 2.375" | 4 | 1/2" | 2-3/8" | HDPE200 | HDPE200BU |
| 3" | 3.500" | 4 | 1/2" | 3" | HDPE300 | HDPE300BU |
| 4" | 4.500" | 4 | 1/2" | 3" | HDPE400 | HDPE400BU |
| 6" | 6.625" | 4 | 5/8" | 3-1/2" | HDPE600 | HDPE600BU |




**Dimensions**

| A | B | C |
|---|---|---|
| 3-3/8" | 5-1/2" | 4-5/8" |
| 4-5/8" | 6-3/4" | 4-5/8" |
| 5-1/4" | 8" | 5-3/4" |
| 7-1/2" | 11" | 5-7/8" |

P

# Y Line Strainers

## Cast Iron



**Features**
- Plug ported for blowdown service
- No replacement screens available

**Material**
- Graphite gasket

**Specification**
- Working pressure: **400 PSI WOG**, **250 PSI** steam

| Female NPT | Description | Cast Iron Part # |
|---|---|---|
| 1/4" | 20 x 20 mesh | Y001 |
| 3/8" | | Y002 |
| 1/2" | | Y003 |
| 3/4" | | Y004 |
| 1" | | Y005 |
| 1-1/4" | | Y006 |
| 1-1/2" | | Y007 |
| 2" | | Y008 |

## Cast Bronze





replacement screen

**Specification**
- Working pressure: **400 PSI WOG**, **125 PSI** steam

| Female NPT | Description | Cast Bronze Part # | 304 Stainless Replacement Screens Part # |
|---|---|---|---|
| 1/4" | 50 x 50 mesh | 59-001 | G3271-00 |
| 3/8" | | 59-002 | G2457-00 |
| 1/2" | | 59-003 | G2457-00 |
| 3/4" | 20 x 20 mesh | 59-004 | G3224-00 |
| 1" | | 59-005 | G3225-00 |
| 1-1/4" | | 59-006 | G3231-00 |
| 1-1/2" | | 59-007 | G3229-00 |
| 2" | | 59-008 | G3230-00 |

## Polypropylene





replacement screen

**Features**
- Protects and prevents clogging of pipelines, pumps, and spray tips
- Easy access for cleaning

**Material**
- Glass-filled polypropylene body

**Specification**
- Maximum operating pressure: **90 PSI** at **70°F (21°C)**

| Female NPT | Description | Polypropylene Part # | 304 Stainless Replacement Screens Part # |
|---|---|---|---|
| 3/4" | 50 mesh | PYLS7550 | 64178 |
| 1" | | PYLS10050 | 64292 |
| 1-1/2" | | PYLS15050 | 64261 |
| 2" | | PYLS20050 | 64261 |

# Polypropylene T Line Strainers



**Feature**
- White polypropylene allows easy inspection

**Specification**
- Maximum operating pressure: **100 PSI** at **70°F (21°C)**

| Female NPT | Description | Polypropylene Part # | 304 Stainless Replacement Screens Part # |
|---|---|---|---|
| 3/4" | 40 mesh | PTLS7540 | 61405 |



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# LP Gas Couplings and Adapters

**Approvals**

- Products meet or exceed the requirements of Compressed Gas Association (CGA), the National Fire Protection Association (NFPA), the Canadian Gas Association, American Society of Mechanical Engineers (ASME), and Underwriters ' Laboratories (UL)

## Male Acme x Male NPT Adapters

| Male Acme | Male NPT | Female NPT | Brass Part # |
|---|---|---|---|
| 1-3/4" | 1-1/4" | -- | ME217 |
| 2-1/4" | 1-1/4" | -- | ME233 |
| 2-1/4" | 1-1/2" | 1" | ME502-12/8[1] |
| 3-1/4" | 2" | -- | ME503-16 |

[1] Dual threads - male outside / female inside



ME217 ME233



ME502-12/8 ME503-16

## Male Acme x Female NPT Adapters

| Male Acme | Female NPT | Brass Part # |
|---|---|---|
| 1-3/4" | 1" | ME214 |
| 3-1/4" | 2" | ME252-16 |



## Male Acme x Male NPT Adapters

| Male Acme | Male NPT | Steel Part # |
|---|---|---|
| 1-3/4" | 1-1/4" | ME217S |
| 2-1/4" | 1-1/4" | ME233S |
| 3-1/4" | 2" | ME503S-16 |



ME217S ME503S-16

## Male Acme x Female NPT Adapter

| Male Acme | Female NPT | Steel Part # |
|---|---|---|
| 3-1/4" | 2" | ME252S-16 |



## Female Acme x Male Acme Adapters

| Female Acme | Male Acme | Material | Part # |
|---|---|---|---|
| 3-1/4" | 1-3/4" | brass | ME612 |
| | | steel | ME612S |



brass steel



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## LP Gas Couplings and Adapters



ME112 ME120



ME130

### Female Acme x Male NPT Filler Couplings, Brass Nut

| Female Acme | Male NPT | Material | Part # |
|---|---|---|---|
| 1-3/4" | 1" | brass nut, brass nipple | ME112 |
| 2-1/4" | 1-1/4" | brass nut, brass nipple | ME120 |
| | | brass nut, steel nipple | ME120S |
| 3-1/4" | 2" | brass nut, steel nipple | ME130 |



ME112S ME121S



ME130S

### Female Acme x Male NPT Filler Couplings, Steel Nut

| Female Acme | Male NPT | Steel Part # |
|---|---|---|
| 1-3/4" | 1" | ME112S |
| 2-1/4" | 1-1/4" | ME121S |
| 3-1/4" | 2" | ME130S |

### Acme Gaskets



| Size | Nitrile Part # |
|---|---|
| 1-3/4" | MEW2 |
| 2-1/4" | MEW5 |
| 3-1/4" | MEW6 |

### Clamp Style Hose Couplings



ME3162-20



ME3162-32B

**Feature**

- 32B and 32S sizes offer a female Acme swivel to eliminate the need to add additional weight and bulk to the hose assembly

**Materials**

- Clamp sections and hose barbs are made of steel and ductile iron

| Hose Barb | Thread Size | Material | Part # |
|---|---|---|---|
| 1" | 1" male NPT | steel nipple, 2-piece ductile iron clamp | ME3162-16 |
| 1-1/4" | 1-1/4" male NPT | steel nipple, 2-piece ductile iron clamp | ME3162-20 |
| | 1" male NPT | steel nipple, 2-piece ductile iron clamp | ME3162-24 |
| 2" | 2" male NPT | steel nipple, 2-piece ductile iron clamp | ME3162-32 |
| | 3-1/4" female Acme | steel nipple, brass nut, 2-piece ductile iron clamp | ME3162-32B |
| | 3-1/4" female Acme | steel nipple, steel nut, 2-piece ductile iron clamp | ME3162-32S |

## Acme Spanner Wrench



**Application**

- Used on 1-3/4", 2-1/4", 3-1/4", and 4-1/4" fittings

| Aluminum Part # |
|---|



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# LP Gas Hose Caps and Plugs

## Metal Caps

| Female Acme Threads | Description | Material | Part # |
|---|---|---|---|
| 1-3/4" | cap with ring and chain | brass | ME229-1 |
| | cap with ring and chain | steel | ME229S-1 |
| 2-1/4" | cap with knob plug and chain | brass | ME431F-1 |
| | cap with knob plug, ring and chain | steel | ME431FS-1 |
| 3-1/4" | cap with knob plug, ring and chain | brass | ME441F-1 |
| | cap with knob plug, ring and chain | steel | ME441FS-1 |



ME229



ME441F

## Plastic Caps

| Female Acme Threads | Description | Plastic Part # |
|---|---|---|
| 1-3/4" | cap with ring and chain, yellow | ME109-1 |
| | cap with chain assembly, for anhydrous service | ME109-NH3-1 |



ME109-1



ME109-NH3-1

## Plastic Dust Plugs

| Male Acme Threads | Description | Plastic Part # |
|---|---|---|
| 1-3/4" | plug with dust seal and chain assembly, yellow | ME179-1 |
| 2-1/4" | plug with dust seal and chain assembly, yellow | ME180-1 |
| 3-1/4" | plug with dust seal and chain assembly, yellow | ME181-1 |



ME179-1



ME180-1



ME181-1

P

# Instrumentation Fittings

### Applications
- High pressure
- High temperature
- Nitrogen
- Helium
- Flammable gases
- Hydraulic gases
- Corrosive media
- Pneumatic automation

### Installation Instructions
1. Cut tubing squarely and clean tube end thoroughly to remove burrs.
2. Insert the tubing into the assembly making sure the tubing seats firm against the shoulder of the body and the nut is finger tight.
3. Tighten the nut with a wrench 1-1/4 turns while holding the body with a second wrench.

### Features
- Instrumentation fittings come completely assembled
- Double collet (ferrule) swaging action
- Two positive seal points

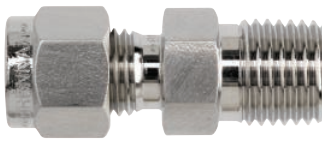
### Specifications
- Temperature range: **-325°F to 1200°F (-198°C to 648°C)**
- Pressure ratings: see chart to the left; ratings listed are for reference only

### Safety Guidelines
- Never connect, disconnect, or remake a fitting with pressure in the system.
- Make sure all fittings are properly installed.
- It is not recommended to go beyond the pressure rating of the tubing. Elongation could occur in the tubing, shrinking the wall thickness and causing potential harm.
- For proper sealing, it is recommended that the tubing and fittings be of like material.
- Always use proper thread lubricant and sealants on tapered pipe threads.
- Never bleed a system by loosening a fitting.

### Approvals
- ASTM 316 stainless steel material construction
- Fully interchangeable with Swagelok® and Parker A-Lok®; all fittings are ASTM F1387 Certified

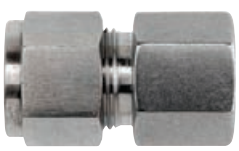
### Suggested Working Pressures (PSI)

| Wall Thk. | .028 | .035 | .049 | .065 | .083 | .095 | .109 |
|---|---|---|---|---|---|---|---|
| 1/4" | 4,000 | 5,100 | 7,500 | 10,100 | --- | --- | --- |
| 3/8" | --- | 3,300 | 4,700 | 6,600 | --- | --- | --- |
| 1/2" | --- | 2,600 | 3,700 | 5,000 | 6,600 | --- | --- |
| 5/8" | --- | --- | 2,900 | 3,900 | 5,200 | 6,000 | --- |
| 3/4" | --- | --- | 2,400 | 3,200 | 4,200 | 4,900 | 5,700 |



### Male Connectors

| Tube O.D. | Male NPT | Interchanges | 316 Stainless Steel Part # | Pkg Qty |
|---|---|---|---|---|
| 1/8" | 1/8"-27 | 200-1-2 | 2-DMC-2 | 10 |
| | 1/4"-18 | 200-1-4 | 2-DMC-4 | 10 |
| 1/4" | 1/8"-27 | 400-1-2 | 4-DMC-2 | 10 |
| | 1/4"-18 | 400-1-4 | 4-DMC-4 | 10 |
| | 3/8"-18 | 400-1-6 | 4-DMC-6 | 10 |
| | 1/2"-14 | 400-1-8 | 4-DMC-8 | 10 |
| 3/8" | 1/4"-18 | 600-1-4 | 6-DMC-4 | 10 |
| | 3/8"-18 | 600-1-6 | 6-DMC-6 | 10 |
| | 1/2"-14 | 600-1-8 | 6-DMC-8 | 10 |
| 1/2" | 1/4"-18 | 810-1-4 | 8-DMC-4 | 10 |
| | 3/8"-18 | 810-1-6 | 8-DMC-6 | 10 |
| | 1/2"-14 | 810-1-8 | 8-DMC-8 | 10 |
| 5/8" | 1/2"-14 | 1010-1-8 | 10-DMC-8 | 10 |
| 3/4" | 1/2"-14 | 1210-1-8 | 12-DMC-8 | 10 |
| | 3/4" | 1210-1-12 | 12-DMC-12 | 10 |
| | 1" | 1210-1-16 | 12-DMC-16 | 10 |
| 1" | 3/4" | 1610-1-12 | 16-DMC-12 | 10 |
| | 1" | 1610-1-16 | 16-DMC-16 | 10 |



### Female Connectors

| Tube O.D. | Female NPT | Interchanges | 316 Stainless Steel Part # | Pkg Qty |
|---|---|---|---|---|
| 1/8" | 1/8"-27 | 200-7-2 | 2-DFC-2 | 10 |
| 1/4" | 1/8"-27 | 400-7-2 | 4-DFC-2 | 10 |
| | 1/4"-18 | 400-7-4 | 4-DFC-4 | 10 |
| 3/8" | 1/4"-18 | 600-7-4 | 6-DFC-4 | 10 |
| | 1/2"-14 | 600-7-8 | 6-DFC-8 | 10 |
| 1/2" | 1/2"-14 | 810-7-8 | 8-DFC-8 | 10 |
| 5/8" | 1/2" | 1010-7-8 | 10-DFC-8 | 10 |
| 3/4" | 1/2" | 1210-7-8 | 12-DFC-8 | 10 |



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# Instrumentation Fittings

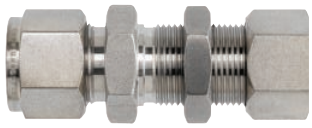
## Unions

| Tube O.D. | Interchanges | 316 Stainless Steel Part # | Pkg Qty |
|---|---|---|---|
| 1/8" x 1/8" | 200-6 | 2-DU | 10 |
| 1/4" x 1/8" | 400-6-2 | 4-DU-2 | 10 |
| 1/4" x 1/4" | 400-6 | 4-DU | 10 |
| 3/8" x 1/4" | 600-6-4 | 6-DU-4 | 10 |
| 3/8" x 3/8" | 600-6 | 6-DU | 10 |
| 1/2" x 1/2" | 810-6 | 8-DU | 10 |
| 5/8" x 5/8" | 1010-6 | 10-DU | 10 |
| 3/4" x 3/4" | 1210-6 | 12-DU | 10 |
| 1" x 1" | 1610-6 | 16-DU | 10 |



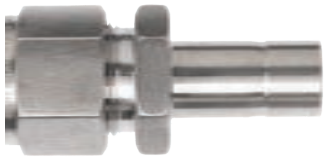
## Bulkhead Unions

| Tube O.D. | Interchanges | 316 Stainless Steel Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 400-61 | 4-DBHU-4 | 10 |
| 3/8" | 600-61 | 6-DBHU-6 | 10 |
| 1/2" | 810-61 | 8-DBHU-8 | 10 |
| 5/8" | 1010-61 | 10-DBHU-10 | 10 |
| 3/4" | 1210-16 | 12-DBHU-12 | 10 |
| 1" | 1610-16 | 16-DBHU-16 | 10 |



## Reducers

| Tube O.D. | Interchanges | 316 Stainless Steel Part # | Pkg Qty |
|---|---|---|---|
| 1/4" x 1/8" | 400-R-2 | 4-DRATT-2 | 10 |
| 3/8" x 1/4" | 600-R-4 | 6-DRATT-4 | 10 |
| 3/8" x 1/2" | 600-R-8 | 6-DRATT-8 | 10 |
| 1/2" x 3/4" | 810-R-12 | 8-DRATT-12 | 10 |
| 3/4" x 1/2" | 1210-R-8 | 12-DRATT-8 | 10 |
| 3/4" x 1" | 1210-R-16 | 12-DRATT-16 | 10 |



## Male Elbows

| Tube O.D. | Male NPT | Interchanges | 316 Stainless Steel Part # | Pkg Qty |
|---|---|---|---|---|
| 1/4" | 1/8"-27 | 400-2-2 | 4-DME-2 | 10 |
| | 1/4"-18 | 400-2-4 | 4-DME-4 | 10 |
| 3/8" | 1/4"-18 | 600-2-4 | 6-DME-4 | 10 |
| | 3/8"-18 | 600-2-6 | 6-DME-6 | 10 |
| 1/2" | 1/2"-14 | 810-2-8 | 8-DME-8 | 10 |
| 3/4" | 1/2"-14 | 1210-2-8 | 12-DME-8 | 10 |
| | 3/4" | 1210-2-12 | 12-DME-12 | 10 |
| 1" | 3/4" | 1610-2-12 | 16-DME-12 | 10 |
| | 1" | 1610-2-16 | 16-DME-16 | 10 |



## Female Elbows

| Tube O.D. | Female NPT | Interchanges | 316 Stainless Steel Part # | Pkg Qty |
|---|---|---|---|---|
| 1/4" | 1/8"-27 | 400-8-2 | 4-DFE-2 | 10 |
| 3/8" | 1/4"-18 | 600-8-4 | 6-DFE-4 | 10 |
| 1/2" | 1/2"-14 | 810-8-8 | 8-DFE-8 | 10 |
| 3/4" | 1/2" | 1210-8-8 | 12-DFE-8 | 10 |
| 3/4" | 3/4" | 1210-8-12 | 12-DFE-12 | 10 |



# Instrumentation Fittings

## Union Elbows



| Tube O.D. | Interchanges | 316 Stainless Steel Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 400-9 | 4-DELU-4 | 10 |
| 3/8" | 600-9 | 6-DELU-6 | 10 |
| 1/2" | 810-9 | 8-DELU-8 | 10 |
| 5/8" | 1010-9 | 10-DELU-10 | 10 |
| 3/4" | 1210-9 | 12-DELU-12 | 10 |
| 1" | 1610-9 | 16-DELU-16 | 10 |

## Male Branch Tees



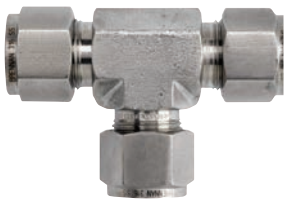
| Tube O.D. | Male NPT | Interchanges | 316 Stainless Steel Part # | Pkg Qty |
|---|---|---|---|---|
| 1/8" | 1/8"-27 | 200-3TTM | 2-DTTM-2 | 10 |
| 1/4" | 1/4"-18 | 400-3-4TTM | 4-DTTM-4 | 10 |
| 1/2" | 3/8" | 810-3TTM | 8-DTTM-6 | 10 |
| | 1/2" | 810-3-8TTM | 8-DTTM-8 | 10 |
| 3/4" | 1/2" | 1210-3-8TTM | 12-DTTM-8 | 10 |
| | 3/4" | 1210-3TTM | 12-DTTM-12 | 10 |
| 1" | 3/4" | 1610-3-12TTM | 16-DTTM-12 | 10 |
| | 1" | 1610-3-16TTM | 16-DTTM-16 | 10 |

## Female Branch Tees



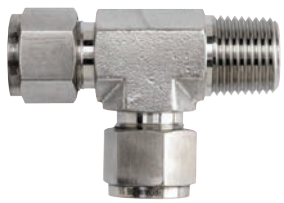
| Tube O.D. | Female NPT | Interchanges | 316 Stainless Steel Part # | Pkg Qty |
|---|---|---|---|---|
| 1/4" | 1/4"-18 | 400-3-4TTF | 4-DTTF-4 | 10 |

## Union Tees



| Tube O.D. | Interchanges | 316 Stainless Steel Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 400-3 | 4-DTTT-4 | 10 |
| 3/8" | 600-3 | 6-DTTT-6 | 10 |
| 1/2" | 810-3 | 8-DTTT-8 | 10 |
| 5/8" | 1010-3 | 10-DTTT-10 | 10 |
| 3/4" x 3/8" | 1210-3-12-6 | 12-DTTT-6 | 10 |
| 3/4" x 1/2" | 1210-3-12-8 | 12-DTTT-8 | 10 |
| 3/4" | 1210-3 | 12-DTTT-12 | 10 |
| 1" x 3/4" | 1610-3-12-16 | 16-DTTT-12 | 10 |
| 1" | 1610-3 | 16-DTTT-16 | 10 |

## Male Run Tees



| Tube O.D. | Male NPT | Interchanges | 316 Stainless Steel Part # | Pkg Qty |
|---|---|---|---|---|
| 1/8" | 1/8"-27 | 200-3TMT | 2-DTMT-2 | 10 |
| 1/4" | 1/4"-18 | 400-3-4TMT | 4-DTMT-4 | 10 |
| 3/8" | 1/4"-18 | 600-3TMT | 6-DTMT-4 | 10 |
| 1/2" | 3/8" | 810-3TMT | 8-DTMT-6 | 10 |
| 1/2" | 1/2" | 810-3-8TMT | 8-DTMT-8 | 10 |
| 3/4" | 3/4" | 1210-3TMT | 12-DTMT-12 | 10 |
| 1" | 1" | 1610-3-16TMT | 16-DTMT-16 | 10 |

# Instrumentation Fittings

## Front Ferrules

| Tube O.D. | Interchanges | 316 Stainless Steel Part # | Pkg Qty |
|---|---|---|---|
| 1/8" | 203-1 | DFC-2 | 10 |
| 1/4" | 403-1 | DFC-4 | 10 |
| 3/8" | 603-1 | DFC-6 | 10 |
| 1/2" | 813-1 | DFC-8 | 10 |
| 5/8" | 1013-1 | DFC-10 | 10 |
| 3/4" | 1213-1 | DFC-12 | 10 |
| 1" | 1613-1 | DFC-16 | 10 |



## Rear Ferrules

| Tube O.D. | Interchanges | 316 Stainless Steel Part # | Pkg Qty |
|---|---|---|---|
| 1/8" | 204-1 | DRC-2 | 10 |
| 1/4" | 404-1 | DRC-4 | 10 |
| 3/8" | 604-1 | DRC-6 | 10 |
| 1/2" | 814-1 | DRC-8 | 10 |
| 5/8" | 1014-1 | DRC-10 | 10 |
| 3/4" | 1214-1 | DRC-12 | 10 |
| 1" | 1614-1 | DRC-16 | 10 |



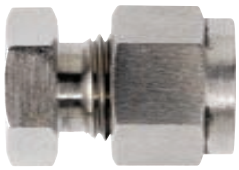
## Nuts

| Tube O.D. | Interchanges | 316 Stainless Steel Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 402-1 | DN-4 | 10 |
| 3/8" | 602-1 | DN-6 | 10 |
| 1/2" | 812-1 | DN-8 | 10 |
| 5/8" | 1012-1 | DN-10 | 10 |
| 3/4" | 1212-1 | DN-12 | 10 |
| 1" | 1612-1 | DN-16 | 10 |



## Caps

| Tube O.D. | Interchanges | 316 Stainless Steel Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 400-C | 4-DCAP | 10 |
| 3/8" | 600-C | 6-DCAP | 10 |
| 1/2" | 810-C | 8-DCAP | 10 |
| 5/8" | 1010-C | 10-DCAP | 10 |
| 3/4" | 1210-C | 12-DCAP | 10 |
| 1" | 1610-C | 16-DCAP | 10 |



## Plugs

| Tube O.D. | Interchanges | 316 Stainless Steel Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 400-P | 4-DFPLUG | 10 |
| 3/8" | 600-P | 6-DFPLUG | 10 |
| 1/2" | 810-P | 8-DFPLUG | 10 |
| 5/8" | 1010-P | 10-DFPLUG | 10 |
| 3/4" | 1210-P | 12-DFPLUG | 10 |



## Compression Fittings

### Applications
- For use with copper, aluminum, and Parflex thermoplastic tubing
- Not recommended for steel tubing or applications using gaseous media

### Features
- No flaring, soldering, or other preparation of tubing necessary to assemble
- Manufactured for connection to low and medium-pressure tubing connection work where excessive vibration or tube movement is not involved

### Approvals
- UL listed for flammable liquid
- Compression fittings meet functional requirements of SAE J-512 and ASA

### Assembly Instructions
1. Slide nut, then sleeve, onto tubing. The thread end of the nut must face outward.
2. Insert the tube into the fitting. Be sure the tube is bottomed on the fitting shoulder.
3. Assemble nut to body, then tighten hand-tight. Then follow the number of wrench turns as indicated in the table below.

| Fitting Size | Tube O.D. | Tube Wall | Turns required to seal from hand-tight | | PSI @ 73°F (23°C) |
|---|---|---|---|---|---|
| | | | 60C Series with soft metal tubing | 60PT Series with thermoplastic tubing | |
| 2" | 1/8" | .030 | 1-1/4 | --- | **400** |
| 3" | 3/16" | | 1-1/4 | --- | **400** |
| 4" | 1/4" | | 1-1/4 | 2 | **300** |
| 5" | 5/16" | .032 | 1-1/4 | 2 | **300** |
| 6" | 3/8" | | 2-1/4 | 2 | **200** |
| 8" | 1/2" | | 2-1/4 | 2 | **200** |
| 10" | 5/8" | .035 | 2-1/4 | 2 | **150** |
| 12" | 3/4" | | 2-1/4 | 2 | **100** |
| 14" | 7/8" | | 2-1/4 | --- | **75** |

## Male Connectors

### Feature
- Reference SAE 060102 BA

| Tube Size | Pipe Thread | Brass Part # |
|---|---|---|
| 1/8" | 1/8" | 68C-0202 |
| 3/16" | 1/8" | 68C-0302 |
| | 1/4" | 68C-0304 |
| 1/4" | 1/8" | 68C-0402 |
| | 1/4" | 68C-0404 |
| | 3/8" | 68C-0406 |
| | 1/2" | 68C-0408 |
| 5/16" | 1/8" | 68C-0502 |
| | 1/4" | 68C-0504 |
| 3/8" | 1/8" | 68C-0602 |
| | 1/4" | 68C-0604 |
| | 3/8" | 68C-0606 |
| | 1/2" | 68C-0608 |
| 7/16" | 1/4" | 68C-0704 |
| 1/2" | 1/4" | 68C-0804 |
| | 3/8" | 68C-0806 |
| | 1/2" | 68C-0808 |
| 5/8" | 3/8" | 68C-1006 |
| | 1/2" | 68C-1008 |
| | 3/4" | 68C-1012 |
| 3/4" | 1/2" | 68C-1208 |





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# Compression Fittings

## Female Connectors

**Feature**
- Reference SAE 060103 BA

| Tube Size | Pipe Thread | Brass Part # |
|---|---|---|
| 1/8" | 1/8" | 66C-0202 |
| 3/16" | 1/8" | 66C-0302 |
| | 1/4" | 66C-0304 |
| 1/4" | 1/8" | 66C-0402 |
| | 1/4" | 66C-0404 |
| 5/16" | 1/8" | 66C-0502 |
| | 1/4" | 66C-0504 |
| 3/8" | 1/8" | 66C-0602 |
| | 1/4" | 66C-0604 |
| | 3/8" | 66C-0606 |
| | 1/2" | 66C-0608 |
| 1/2" | 1/4" | 66C-0804 |
| | 3/8" | 66C-0806 |
| | 1/2" | 66C-0808 |
| 5/8" | 1/2" | 66C-1008 |



## Unions

**Feature**
- Reference SAE 060101 BA

| Tube Size | Brass Part # |
|---|---|
| 1/8" | 62C-02 |
| 3/16" | 62C-03 |
| 1/4" | 62C-04 |
| 5/16" | 62C-05 |
| 3/8" | 62C-06 |
| 7/16" | 62C-07 |
| 1/2" | 62C-08 |
| 5/8" | 62C-10 |
| 3/4" | 62C-12 |
| 7/8" | 62C-14 |



## Union Reducers

**Feature**
- Reference SAE 060101 BA

| Tube Size | Brass Part # |
|---|---|
| 1/4" x 3/16" | 62C-0403 |
| 3/8" x 1/4" | 62C-0604 |
| 1/2" x 3/8" | 62C-0806 |
| 5/8" x 3/8" | 62C-1006 |



## Bulkhead Unions

| Tube Size | Brass Part # |
|---|---|
| 1/4" | 62CBH-04 |
| 3/8" | 62CBH-06 |





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# Compression Fittings

## Straight Through Tank Fittings



| Tube Size | Pipe Thread | Brass Part # |
|---|---|---|
| 3/16" | 1/8" | 682C-0302 |
| 3/8" | 3/8" | 682C-0606 |
| 1/2" | 1/2" | 682C-0808 |

## Female Elbows



**Feature**
- Reference SAE 060203 BA

| Tube Size | Pipe Thread | Brass Part # |
|---|---|---|
| 1/8" | 1/8" | 170C-0202 |
| 3/16" | 1/8" | 170C-0302 |
| 1/4" | 1/8" | 170C-0402 |
| | 1/4" | 170C-0404 |
| 3/8" | 1/4" | 170C-0604 |
| | 3/8" | 170C-0606 |
| 7/16" | 1/4" | 170C-0704 |
| 1/2" | 3/8" | 170C-0806 |

## Male Elbows



**Feature**
- Reference SAE 060202 BA

| Tube Size | Pipe Thread | Brass Part # |
|---|---|---|
| 1/8" | 1/8" | 269C-0202 |
| 3/16" | 1/8" | 169C-0302 |
| | 1/4" | 169C-0304 |
| 1/4" | 1/8" | 169C-0402 |
| | 1/4" | 169C-0404 |
| | 3/8" | 169C-0406 |
| 5/16" | 1/8" | 169C-0502 |
| | 1/4" | 169C-0504 |
| | 3/8" | 169C-0506 |
| 3/8" | 1/8" | 169C-0602 |
| | 1/4" | 169C-0604 |
| | 3/8" | 169C-0606 |
| | 1/2" | 169C-0608 |
| 1/2" | 1/4" | 169C-0804 |
| | 3/8" | 169C-0806 |
| | 1/2" | 169C-0808 |
| 5/8" | 1/2" | 169C-1008 |
| 3/4" | 1/2" | 169C-1208 |
| | 3/4" | 169C-1212 |

## 45° Elbows



| Tube Size | Pipe Thread | Brass Part # |
|---|---|---|
| 1/4" | 1/8" | 179C-0402 |
| | 1/4" | 179C-0404 |
| 3/8" | 1/8" | 179C-0602 |
| | 1/4" | 179C-0604 |
| | 3/8" | 179C-0606 |



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# Compression Fittings

## Union Elbows

**Feature**
- Reference SAE 060201 BA

| Tube Size | Brass Part # |
|---|---|
| 1/8" | 165C-02 |
| 3/16" | 165C-03 |
| 1/4" | 165C-04 |
| 5/16" | 165C-05 |
| 3/8" | 165C-06 |
| 7/16" | 165C-07 |
| 1/2" | 165C-08 |
| 5/8" | 165C-10 |
| 3/4" | 165C-12 |



## Male Branch Tees

**Feature**
- Reference SAE 060425 BA

| Tube Size | Pipe Thread | Brass Part # |
|---|---|---|
| 1/8" | 1/8" | 172C-0202 |
| 3/16" | 1/8" | 172C-0302 |
| 1/4" | 1/8" | 172C-0402 |
| | 1/4" | 172C-0404 |
| 3/8" | 1/8" | 172C-0602 |
| | 1/4" | 172C-0604 |
| | 3/8" | 172C-0606 |
| 1/2" | 3/8" | 172C-0806 |



## Female Branch Tee

| Tube Size | Pipe Thread | Brass Part # |
|---|---|---|
| 1/4" | 1/8" | 177C-0402 |



P

## Union Tees

**Feature**
- Reference SAE 060401 BA

| Tube Size 1 and 2 | Tube Size 3 | Brass Part # |
|---|---|---|
| 1/8" | 1/8" | 164C-02 |
| 3/16" | 3/16" | 264C-03 |
| 1/4" | 1/4" | 164C-04 |
| 5/16" | 5/16" | 164C-05 |
| 3/8" | 3/8" | 164C-06 |
| 1/2" | 1/2" | 164C-08 |
| 5/8" | 5/8" | 164C-10 |
| 3/4" | 3/4" | 164C-12 |
| 3/8" | 1/4" | 164C-06-06-04 |



# Compression Fittings

## Male Run Tees



**Feature**

- Reference SAE 060424 BA

| Tube Size | Pipe Thread | Brass Part # |
|---|---|---|
| 1/8" | 1/8" | 171C-0202 |
| 3/16" | | 171C-0302 |
| 1/4" | | 171C-0402 |
| 1/4" | 1/4" | 171C-0404 |
| 3/8" | | 171C-0604 |

## Adapter Tee



| Tube Size | Male Pipe Thread | Female Straight Thread | Brass Part # |
|---|---|---|---|
| 1/4" | 1/8" | 7/16"-24 | 176C-0402 |

## Seal Plug



| Tube Size | Brass Part # |
|---|---|
| 1/4" | 639C-04 |

## Inserts



| Tube Size | Tube Wall Thickness | Brass Part # | 304 Stainless Steel Part # |
|---|---|---|---|
| 1/8" | .016" | 63PT-0216 | --- |
| | .023" | 63PT-0223 | --- |
| 3/16" | .025" | 63PT-0325 | --- |
| | .040" | 63PT-0340 | --- |
| 1/4" | .040" | --- | 63PT-0440 |
| | .062" | 63PT-0462 | --- |
| 5/16" | .040" | 63PT-0540 | --- |
| | .062" | 63PT-0562 | --- |
| 3/8" | .062" | --- | 63PT-0662 |
| 1/2" | .062" | --- | 63PT-0862 |
| 5/8" | .062" | 63PT-1062 | --- |

NOTE: Acetal sleeves and brass inserts allow for standard compression fittings to be used with industrial grades of thermoplastic tubing.

## Brass Sleeves



**Feature**

- Reference SAE 060115

| Tube Size | Brass Part # |
|---|---|
| 1/8" | 60C-02 |
| 3/16" | 60C-03 |
| 1/4" | 60C-04 |
| 5/16" | 60C-05 |
| 3/8" | 60C-06 |
| 7/16" | 60C-07 |
| 1/2" | 60C-08 |
| 5/8" | 60C-10 |
| 3/4" | 60C-12 |



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# Compression Fittings

## Acetal Sleeves

| Tube Size | Acetal Part # |
|---|---|
| 1/4" | 60PT-04 |
| 5/16" | 60PT-05 |
| 3/8" | 60PT-06 |
| 1/2" | 60PT-08 |
| 5/8" | 60PT-10 |



NOTE: Acetal sleeves and brass inserts allow for standard compression fittings to be used with industrial grades of thermoplastic tubing.

## Nuts

**Feature**
- Reference SAE 060110

| Tube Size | Straight Thread | Brass Part # |
|---|---|---|
| 1/8" | 5/16"-24 | 61C-02 |
| 3/16" | 3/8"-24 | 61C-03 |
| 1/4" | 7/16"-24 | 61C-04 |
| 5/16" | 1/2"-24 | 61C-05 |
| 3/8" | 9/16"-24 | 61C-06 |
| 7/16" | 5/8"-24 | 61C-07 |
| 1/2" | 11/16"-20 | 61C-08 |
| 5/8" | 13/16"-18 | 61C-10 |
| 3/4" | 1"-18 | 61C-12 |
| 7/8" | 1-1/8"-18 | 61C-14 |



## Long Nuts

**Feature**
- Reference SAE 060111

| Tube Size | Straight Thread | Brass Part # |
|---|---|---|
| 1/4" | 7/16"-24 | 61CL-04 |
| 5/16" | 1/2"-24 | 61CL-05 |
| 3/8" | 9/16"-24 | 61CL-06 |
| 1/2" | 11/16"-20 | 61CL-08 |
| 5/8" | 13/16"-18 | 61CL-10 |
| 3/4" | 1"-18 | 61CL-12 |



# Brass SAE 45° Flare Fittings

### Applications
- For use with copper, brass, aluminum, and welded steel hydraulic tubing that can be flared
- For use with hard-to-hold liquids and gases

### Features
- Economical fitting
- Resists mechanical pullout
- Easy to disassemble and may be reassembled repeatedly, for a leak-proof connection

### Material
- Manufactured from CA 360, CA 345, or CA377 brass

### Specification
- Temperature range: **-65°F** to **250°F (-54°C** to **121°C)**

### Approvals
- Listed with UL for flammable liquid, marine, refrigeration, and gas applications, meets functional requirements of SAE J512 and J513, ASA, and MS (Military Standards)

### Working Pressure Ranges
Temperature and type of tubing used are important factors. The following table is a general guide for proper selection. The **PSI** rating given is based on a temperature of **73°F (22°C)** using copper tubing.

| PSI | Tube O.D. | Tube Wall |
|---|---|---|
| **1400** | 1/4" | .030 |
| **1000** | 3/8" | .032 |
| **750** | 1/2" | .032 |
| **650** | 5/8" | .035 |
| **550** | 3/4" | .035 |

### Assembly Instructions
1. Cut tubing squarely, and clean tube end thoroughly to remove burrs.
2. Place nut onto tube. Place threaded end of nut toward end of tube.
3. Flare tube end with flaring tool to provide 45° flare. (Flare tools are available. Please contact Dixon® for pricing and availability.)
4. Clamp tube flare between nut and nose of fitting body by screwing nut on finger-tight. Tighten with a wrench an additional 1/4 turn for a metal-to-metal seal.

## Male Connectors



**Feature**
- Reference SAE 010102

| Tube Size | Pipe Size | Straight Thread | Hex | Brass Part # |
|---|---|---|---|---|
| 1/4" | 1/4" | 7/16"-20 | 9/16" | 48F-4-4 |
| | 3/8" | | 11/16" | 48F-4-6 |
| | 1/2" | | 7/8" | 48F-4-8 |
| 3/8" | 1/8" | 5/8"-18 | 5/8" | 48F-6-2 |
| | 1/4" | | 5/8" | 48F-6-4 |
| | 3/8" | | 11/16" | 48F-6-6 |
| | 1/2" | | 7/8" | 48F-6-8 |
| 1/2" | 1/4" | 3/4"-16 | 3/4" | 48F-8-4 |
| | 3/8" | | 3/4" | 48F-8-6 |
| | 1/2" | | 7/8" | 48F-8-8 |
| 5/8" | 3/8" | 7/8"-14 | 7/8" | 48F-10-6 |
| 3/4" | 3/4" | 1-1/16"-14 | 1-1/16" | 48F-12-12 |

## Female Connectors



**Feature**
- Reference SAE 010103

| Tube Size | Pipe Size | Straight Thread | Hex | Brass Part # |
|---|---|---|---|---|
| 1/4" | 1/4" | 7/16"-20 | 11/16" | 46F-4-4 |
| 3/8" | 1/4" | 5/8"-18 | 11/16" | 46F-6-4 |
| | 3/8" | 5/8"-18 | 13/16" | 46F-6-6 |
| | 1/2" | 5/8"-18 | 1" | 46F-6-8 |
| 1/2" | 1/4" | 3/4"-16 | 3/4" | 46F-8-4 |
| | 3/8" | 3/4"-16 | 13/16" | 46F-8-6 |



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# Brass SAE 45° Flare Fittings

## Unions

**Feature**
- Reference SAE 010101



| Tube Size | Straight Thread | Hex | Brass Part # |
|---|---|---|---|
| 1/4" | 7/16"-20 | 7/16" | 42F-4 |
| 3/8" | 5/8"-18 | 5/8" | 42F-6 |
| 1/2" | 3/4"-16 | 3/4" | 42F-8 |

## Male Elbows

**Feature**
- Reference SAE 010202



| Tube Size | Pipe Size | Straight Thread | Brass Part # |
|---|---|---|---|
| 1/4" | 1/8" | 7/16"-20 | 149F-4-2 |
| | 1/4" | | 149F-4-4 |
| | 3/8" | | 149F-4-6 |
| 3/8" | 1/4" | 5/8"-18 | 149F-6-4 |
| | 3/8" | | 149F-6-6 |
| | 1/2" | | 149F-6-8 |
| 1/2" | 1/4" | 3/4"-16 | 149F-8-4 |
| | 3/8" | | 149F-8-6 |
| | 1/2" | | 149F-8-8 |
| 6/8" | 1/2" | 7/8"-14 | 149F-10-8 |
| 3/4" | 3/4" | 1-1/16"-14 | 149F-12-12 |

## Female Elbows

**Feature**
- Reference SAE 010203



| Tube Size | Pipe Size | Straight Thread | Brass Part # |
|---|---|---|---|
| 1/4" | 1/4" | 7/16"-20 | 150F-4-4 |
| 3/8" | 3/8" | 5/8"-18 | 150F-6-6 |
| | 1/2" | | 150F-6-8 |

## 90° Swivel Elbows



| Tube Size | Straight Thread | Brass Part # |
|---|---|---|
| 1/4" | 7/16"-20 | 166FSV-4-4 |
| 3/8" | 5/8"-18 | 166FSV-6-6 |
| 1/2" | 3/4"-16 | 166FSV-8-8 |



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# Brass SAE 45° Flare Fittings

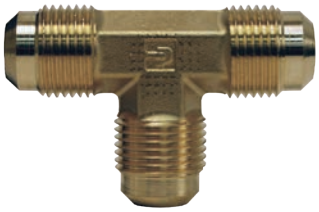
## 45° Elbows



**Feature**
- Reference SAE 010302

| Tube Size | Pipe Size | Straight Thread | Brass Part # |
|---|---|---|---|
| 1/4" | 1/4" | 7/16"-20 | 159F-4-4 |
| 3/8" | 1/4" | 5/8"-18 | 159F-6-4 |
| | 3/8" | | 159F-6-6 |
| 1/2" | 1/4" | 3/4"-16 | 159F-8-4 |
| | 3/8" | | 159F-8-6 |
| | 1/2" | | 159F-8-8 |

## Union Tees



**Feature**
- Reference SAE 010401

| Tube Size | Straight Thread | Brass Part # |
|---|---|---|
| 1/4" | 7/16"-20 | 144F-4 |
| 3/8" | 5/8"-18 | 144F-6 |
| 1/2" | 3/4"-16 | 144F-8 |

## Short Nuts



**Application**
- Short nut for use when vibration is minimal

**Feature**
- Reference SAE 010110

| Tube Size | Straight Thread | Hex | Brass Part # |
|---|---|---|---|
| 1/4" | 7/16"-20 | 9/16" | 41FS-4 |
| 3/8" | 5/8"-18 | 3/4" | 41FS-6 |
| 1/2" | 3/4"-16 | 7/8" | 41FS-8 |

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## Long Nuts



**Features**
- Long nut offers additional vibration capacity
- Reference SAE 010111

| Tube Size | Straight Thread | Hex | Brass Part # |
|---|---|---|---|
| 1/4" | 7/16"-20 | 9/16" | 41FL-4 |
| 3/8" | 5/8"-18 | 3/4" | 41FL-6 |
| 1/2" | 3/4"-16 | 7/8" | 41FL-8 |

DIXON
The Right Connection®

# Flareless Bite Fittings

## Applications
- Chemical, pulp and paper, oil and gas refineries, military, air compressors, and machine tools
- Well-suited for a variety of processing and general hydraulic applications

## Features
- Ideally suited for use with tubing having medium to extra heavy wall thicknesses
- 3-piece design, with only one ferrule eliminates possible make-up errors that may occur using a twin ferrule tube fitting
- Minimal risk of improper assembly as the ferrule visibly bites into the tubing, allowing installer to visually inspect the bite quality

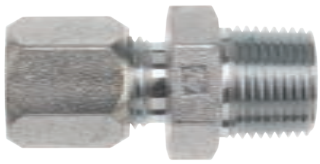
## Specifications
- Fittings are suitable for sub-zero through elevated temperature applications
- Temperature rating is limited by the material chosen
- Pressure ratings are determined by the size (O.D.) and wall thickness (inches/mm) of the tubing on which they are to be installed

## Approvals
- Exceeds Military (MIL F18866) and SAE J514 standards

## Assembly Instructions
- Cut, deburr, and clean tubing
- Pre-set ferrule onto tubing
- Inspect ferrule bite in tubing by disassembling the fitting and visually inspecting the deburred end of tube for slight indentation
- Finger tighten nut and then further wrench tighten nut another 1/3 to 1/2 turn

### Male Tube x Male NPTF Adapters

| Tube O.D. | Male NPTF | Steel Part # |
|---|---|---|
| 1/8" | 1/8" | FLC2404-02 |
| | 1/4" | FLC2404-02-04 |
| 3/16" | 1/8" | FLC2404-03-02 |
| 1/4" | 1/8" | FLC2404-04-02 |
| | 1/4" | FLC2404-04 |
| | 3/8" | FLC2404-04-06 |
| | 1/2" | FLC2404-04-08 |
| 5/16" | 1/8" | FLC2404-05-02 |
| | 1/4" | FLC2404-05-04 |
| 3/8" | 1/8" | FLC2404-06-02 |
| | 1/4" | FLC2404-06-04 |
| | 3/8" | FLC2404-06 |
| | 1/2" | FLC2404-06-08 |
| 1/2" | 1/4" | FLC2404-08-04 |
| | 3/8" | FLC2404-08-06 |
| | 1/2" | FLC2404-08 |
| | 3/4" | FLC2404-08-12 |
| 5/8" | 3/8" | FLC2404-10-06 |
| | 1/2" | FLC2404-10-08 |
| | 3/4" | FLC2404-10-12 |
| 3/4" | 1/2" | FLC2404-12-08 |
| | 3/4" | FLC2404-12 |
| | 1" | FLC2404-12-16 |
| 1" | 3/4" | FLC2404-16-12 |
| | 1" | FLC2404-16 |
| | 1-1/4" | FLC2404-16-20 |
| 1-1/4" | 3/4" | FLC2404-20-12 |
| | 1-1/4" | FLC2404-20 |
| 1-1/2" | 1-1/2" | FLC2404-24 |



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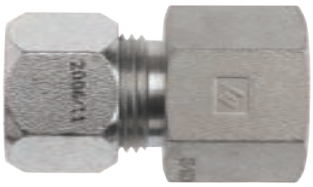
### Male Tube x Male 37° JIC

| Tube O.D. | Male 37° JIC | Steel Part # |
|---|---|---|
| 1/4" | 1/4" | FLC2402-04-04 |
| 3/8" | 3/8" | FLC2402-06-06 |
| 1/2" | 1/2" | FLC2402-08-08 |



## Flareless Bite Fittings

### Male Tube x Female NPTF Adapters



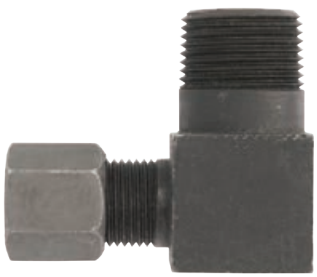
| Tube O.D. | Female NPTF | Steel Part # |
|---|---|---|
| 1/8" | 1/8" | FLC2405-02 |
| 1/4" | 1/8" | FLC2405-04-02 |
| | 1/4" | FLC2405-04 |
| 5/16" | 1/8" | FLC2405-05-02 |
| 3/8" | 1/4" | FLC2405-06-04 |
| | 3/8" | FLC2405-06 |
| 1/2" | 1/4" | FLC2405-08-04 |
| | 3/8" | FLC2405-08-06 |
| | 1/2" | FLC2405-08 |
| 5/8" | 1/2" | FLC2405-10-08 |
| 3/4" | 3/4" | FLC2405-12 |
| 1" | 1" | FLC2405-16 |
| 1-1/4" | 1-1/4" | FLC2405-20 |

### Tube Unions



| Tube O.D. | Steel Part # |
|---|---|
| 1/8" | FLC2403-02 |
| 3/16" | FLC2403-03 |
| 1/4" | FLC2403-04 |
| 5/16" | FLC2403-05 |
| 3/8" | FLC2403-06 |
| 1/2" | FLC2403-08 |
| 5/8" | FLC2403-10 |
| 3/4" | FLC2403-12 |
| 1" | FLC2403-16 |
| 1-1/4" | FLC2403-20 |
| 1-1/2" | FLC2403-24 |

### Male Tube x Male NPTF Adapter 90° Elbows



| Tube O.D. | Male NPTF | Steel Part # |
|---|---|---|
| 1/8" | 1/8" | FLC2501-02 |
| 3/16" | 1/8" | FLC2501-03-02 |
| 1/4" | 1/8" | FLC2501-04-02 |
| | 1/4" | FLC2501-04 |
| | 3/8" | FLC2501-04-06 |
| 5/16" | 1/8" | FLC2501-05-02 |
| | 1/4" | FLC2501-05-04 |
| 3/8" | 1/8" | FLC2501-06-02 |
| | 1/4" | FLC2501-06-04 |
| | 3/8" | FLC2501-06 |
| | 1/2" | FLC2501-06-08 |
| 1/2" | 1/4" | FLC2501-08-04 |
| | 3/8" | FLC2501-08-06 |
| | 1/2" | FLC2501-08 |
| | 3/4" | FLC2501-08-12 |
| 5/8" | 3/8" | FLC2501-10-06 |
| | 1/2" | FLC2501-10-08 |
| 3/4" | 1/2" | FLC2501-12-08 |
| | 3/4" | FLC2501-12 |
| 1" | 3/4" | FLC2501-16-12 |
| | 1" | FLC2501-16 |

# Flareless Bite Fittings

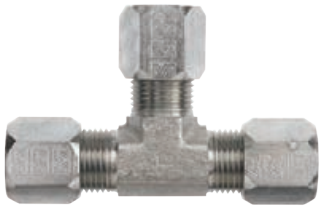
## Male Union 90° Elbows

| Tube O.D. | Steel Part # |
|---|---|
| 1/4" | FLC2500-04 |
| 5/16" | FLC2500-05 |
| 3/8" | FLC2500-06 |
| 1/2" | FLC2500-08 |
| 5/8" | FLC2500-10 |
| 3/4" | FLC2500-12 |
| 1" | FLC2500-16 |
| 1-1/4" | FLC2500-20 |



## Male Tube Union Tees

| Tube O.D. | Steel Part # |
|---|---|
| 1/8" | FLC2603-02 |
| 3/16" | FLC2603-03 |
| 1/4" | FLC2603-04 |
| 5/16" | FLC2603-05 |
| 3/8" | FLC2603-06 |
| 1/2" | FLC2603-08 |
| 5/8" | FLC2603-10 |
| 3/4" | FLC2603-12 |
| 1" | FLC2603-16 |
| 1-1/4" | FLC2603-20 |



## Ferrules

| Tube O.D. | Steel Part # |
|---|---|
| 1/8" | FLC0319-02 |
| 3/16" | FLC0319-03 |
| 1/4" | FLC0319-04 |
| 5/16" | FLC0319-05 |
| 3/8" | FLC0319-06 |
| 1/2" | FLC0319-08 |
| 5/8" | FLC0319-10 |
| 3/4" | FLC0319-12 |
| 1" | FLC0319-16 |
| 1-1/4" | FLC0319-20 |
| 1-1/2" | FLC0319-24 |



## Nuts

| Tube O.D. | Steel Part # |
|---|---|
| 1/8" | FLC0318-02 |
| 3/16" | FLC0318-03 |
| 1/4" | FLC0318-04 |
| 5/16" | FLC0318-05 |
| 3/8" | FLC0318-06 |
| 1/2" | FLC0318-08 |
| 5/8" | FLC0318-10 |
| 3/4" | FLC0318-12 |
| 1" | FLC0318-16 |
| 1-1/4" | FLC0318-20 |



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## Tectite™ by Apollo® Push to Connect Fittings

### Applications
- For water, dry, clean air, or 100% glycol solutions only
- Connects copper, CPVC, and PEX pipe in any combination
- Approved for use underground and behind walls without access panels

### Features
- No soldering, clamps, unions, or glue needed
- Integral tube liner for PEX installations
- Fittings can be rotated after assembly for easier installation in tight spaces
- Easy to disconnect if needed
- All Tectite™ by Apollo® fittings are lead-free

### Specification
- Pressure rating: **200 PSI** at **200°F (93°C)**

### Approvals
- Design certified and listed to ASSE 1061/NSF 61
- Listed by IAPMO
- Meets UPC, IPC, and cUPC requirements



### Straight Couplings

| Tube Size | Forged Brass Part # |
|---|---|
| 1/2" x 1/2" | U008 |
| 3/4" x 3/4" | U016 |
| 1" x 1" | U020 |



### Reducing Couplings

| Tube Size | Forged Brass Part # |
|---|---|
| 3/4" x 1/2" | U058 |
| 1" x 3/4" | U060 |



### Straight Connectors

| Tube Size | Female NPT | Forged Brass Part # |
|---|---|---|
| 1/2" | 1/2" | U072 |
| 3/4" | 3/4" | U088 |
| 1" | 1" | U094 |



| Tube Size | Male NPT | Forged Brass Part # |
|---|---|---|
| 1/2" | 1/2" | U120 |
| 3/4" | 3/4" | U134 |
| 1" | 1" | U140 |



### Reducing Connectors

| Tube Size | Female NPT | Forged Brass Part # |
|---|---|---|
| 1/2" | 3/4" | U068 |



| Tube Size | Male NPT | Forged Brass Part # |
|---|---|---|
| 1/2" | 3/4" | U116 |



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# Tectite™ by Apollo® Push to Connect Fittings

## Elbows

| Tube Size | Forged Brass Part # |
|---|---|
| 1/2" x 1/2" | U248 |
| 3/4" x 3/4" | U256 |
| 1" x 1" | U260 |



## Drop Ear Elbow

| Tube Size | Female NPT | Forged Brass Part # |
|---|---|---|
| 1/2" | 1/2" | U334 |



## Tees

| Tube Size | Forged Brass Part # |
|---|---|
| 1/2" | U362 |
| 3/4" | U370 |



## Reducing Tee

| Tube Size (2) | Tube Size | Forged Brass Part # |
|---|---|---|
| 3/4" | 1/2" | U412 |



## End Stops

| Tube Size | Forged Brass Part # |
|---|---|
| 1/2" | U514 |
| 3/4" | U518 |
| 1" | U520 |



## Slip Couplings

**Application**
- For use with copper pipe only

| Tube Size | Forged Brass Part # |
|---|---|
| 1/2" | U3008 |
| 3/4" | U3016 |



## Disconnect Clips

| Size | ABS Plastic Part # |
|---|---|
| 1/2" | U710 |
| 3/4" | U712 |
| 1" | U714 |



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## LIQUIfit™ Fittings

### Applications
- Suitable for water, potable liquids, and neutral gas applications: including water filtration, water coolers, coffee machines, and beverage dispensers

### Features
- EPDM seal secures connection with larger surface area than standard O-rings
- Engineered polymer allows superior mechanical strength and chemical resistance
- Full stainless gripping ring eliminates the need for locking clips
- Release button protects and supports tubing

### Approvals
- FDA compliant
- Meets California and Vermont <0.25% lead requirements
- NSF-51 listed for contact with food
- NSF-61 list C-Hot rated

### Specifications
- Working pressure:
  - 1/4" **230 PSI** from **35°F** to **100°F (1.7°C to 38°C)**
    **150 PSI** at **150°F (66°C)**
    **60 PSI** at **200°F (93°C)**
  - 3/8" **190 PSI** from **35°F** to **100°F (1.7°C to 38°C)**
    **100 PSI** at **150°F (66°C)**
    **60 PSI** at **200°F (93°C)**
  - 1/2" **160 PSI** from **35°F** to **100°F (1.7°C to 38°C)**
    **100 PSI** at **150°F (66°C)**
    **60 PSI** at **200°F (93°C)**
- Maximum torque values for NPTF threads:
  - 1/8" and 1/4" 1.0 ft. lbs. / 1.5Nm
  - 3/8" and 1/2" 2.2 ft. lbs. / 3.0Nm



### Male Connectors

| Tube O.D. | Male NPTF | Nylon Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/8" | 65055611WP2 | 10 |
| | 1/4" | 65055614WP2 | 10 |
| 3/8" | 1/4" | 65056014WP2 | 10 |
| | 3/8" | 65056018WP2 | 10 |
| 1/2" | 3/8" | 65056218WP2 | 5 |
| | 1/2" | 65056222WP2 | 5 |



### Female Connectors

| Tube O.D. | Female NPTF | Nylon Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/4" | 63155614WP2 | 10 |
| 3/8" | 3/8" | 63156018WP2 | 10 |

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### Faucet Connectors

| Tube O.D. | Female UNS | Nylon Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 7/16"-24 | 632556133WP2 | 10 |
| 3/8" | | 632560133WP2 | 10 |



### Fixed Elbows

| Tube O.D. | Male NPTF | Nylon Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/8" | 65795611WP2 | 10 |
| | 1/4" | 65795614WP2 | 10 |
| | 3/8" | 65795618WP2 | 10 |
| 3/8" | 1/4" | 65796014WP2 | 10 |

# LIQUIfit™ Fittings

## Union Elbows

| Tube O.D. | Nylon Part # | Pkg Qty |
|---|---|---|
| 1/4" | 63025600WP2 | 10 |
| 3/8" | 63026000WP2 | 10 |
| 1/2" | 63026200WP2 | 5 |



## Union Tees

| Tube O.D. | Nylon Part # | Pkg Qty |
|---|---|---|
| 1/4" | 63045600WP2 | 10 |
| 3/8" | 63046000WP2 | 10 |
| 1/2" | 63046200WP2 | 5 |



## Union Connectors

| Tube O.D. (1) | Tube O.D. (2) | Nylon Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/4" | 63065600WP2 | 10 |
| | 3/8" | 63065660WP2 | 10 |
| 3/8" | 3/8" | 63066000WP2 | 10 |
| | 1/2" | 63066062WP2 | 5 |
| 1/2" | 1/2" | 63066200WP2 | 5 |



## Unequal Union Tee

| Branch Tube O.D. (1) | Run Tube O.D. (2) | Nylon Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 3/8" | 63046056WP2 | 10 |



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## Bulkhead Unions

| Tube O.D. | Nylon Part # | Pkg Qty |
|---|---|---|
| 1/4" | 63165600WP2 | 10 |
| 3/8" | 63166000WP2 | 10 |
| 1/2" | 63166200WP2 | 5 |



## Union Y Connectors

| Tube O.D. | Nylon Part # | Pkg Qty |
|---|---|---|
| 1/4" | 63405600WP2 | 10 |
| 3/8" | 63406000WP2 | 10 |
| 1/2" | 63406200WP2 | 5 |



## LIQUIfit™ Fittings

### Swivel Elbows



| Tube O.D. | Male NPTF | Nylon Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/8" | 65095611WP2 | 10 |
| | 1/4" | 65095614WP2 | 10 |
| | 3/8" | 65095618WP2 | 10 |
| 3/8" | 1/4" | 65096014WP2 | 10 |
| | 3/8" | 65096018WP2 | 10 |
| 1/2" | 3/8" | 65096218WP2 | 4 |
| | 1/2" | 65096222WP2 | 4 |

### Swivel Branch Tees



| Tube O.D. | Male NPTF | Nylon Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/8" | 65085611WP2 | 10 |
| | 1/4" | 65085614WP2 | 10 |
| | 3/8" | 65085618WP2 | 10 |
| 3/8" | 1/4" | 65086014WP2 | 10 |
| | 3/8" | 65086018WP2 | 10 |

### Swivel Male Run Tees



| Tube O.D. | Male NPTF | Nylon Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/8" | 65035611WP2 | 10 |
| | 1/4" | 65035614WP2 | 10 |
| | 3/8" | 65035618WP2 | 10 |
| 3/8" | 1/4" | 65036014WP2 | 10 |
| | 3/8" | 65036018WP2 | 10 |

### Stem Adapters



| Tube O.D. | Male NPTF | Nylon Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/4" | 65215614WP2 | 10 |
| | 3/8" | 65215618WP2 | 10 |
| 3/8" | 1/4" | 65216014WP2 | 10 |
| | 3/8" | 65216018WP2 | 10 |
| 1/2" | 3/8" | 65216218WP2 | 5 |
| | 1/2" | 65216222WP2 | 5 |

### End Stops



| Tube O.D. | Nylon Part # | Pkg Qty |
|---|---|---|
| 1/4" | 63515600WP2 | 10 |
| 3/8" | 63516000WP2 | 10 |

### Plugs



| Tube O.D. | Nylon Part # | Pkg Qty |
|---|---|---|
| 1/4" | 63265600WP2 | 10 |
| 3/8" | 63266000WP2 | 10 |



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# LIQUIfit™ Fittings

## Hose Stems

| Tube O.D. | Stem | Nylon Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/4" | 63225656WP2 | 10 |
| 3/8" | 1/4" | 63226056WP2 | 10 |
| | 5/16" | 63226008WP2 | 10 |
| | 3/8" | 63226060WP2 | 10 |
| 1/2" | 3/8" | 63226260WP2 | 10 |



## Plug-in Reducers

| Tube O.D. | Plug-in | Nylon Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 5/16" | 63665608WP2 | 10 |
| 1/4" | 3/8" | 63665660WP2 | 10 |
| 3/8" | 1/2" | 63666062WP2 | 5 |



## Plug-in Elbows

| Tube O.D. | Plug-in | Nylon Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/4" | 63825600WP2 | 10 |
| 3/8" | 3/8" | 63826000WP2 | 10 |
| 1/2" | 1/2" | 63826200WP2 | 5 |



## Plug-in Tees

| Tube O.D. | Plug-in | Nylon Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/4" | 63885600WP2 | 10 |
| 3/8" | 3/8" | 63886000WP2 | 10 |
| 1/2" | 1/2" | 63886200WP2 | 5 |



# TrueSeal™ Ball Valves

### Applications
- These corrosion-resistant, all-plastic designed ball valves are ideal for water filtration units, coffee and beverage machines, and a wide variety of other fluid applications

### Features
- EPDM seal secures connection with larger surface area than standard O-rings
- Full flow self-cleaning ball
- Bi-directional flow maximizes productivity

### Materials
- O-ring seal material: EPDM
- High-temperature, scale-resistant Polysulfone ball
- Glass-reinforced Polypropylene body

### Specifications
- Temperature range: **35°F** to **200°F (2°C** to **93°C)**
- Maximum operating pressure: **150 PSI**
- Burst pressure **600 PSI**
- Actual working pressures will be lower at elevated temperatures

### Approvals
- FDA compliant
- NSF/ANSI-51 listed for contact with food
- Certified to NSF/ANSI-61



### Tube to Male NPTF

| Tube O.D. | Male NPTF | Polypropylene Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/4" | PP4VMC4-MG | 10 |
| | 3/8" | PP4VMC6-MG | 10 |
| 3/8" | 1/4" | PP6VMC4-MG | 10 |
| | 3/8" | PP6VMC6-MG | 10 |



### Tube to Female NPTF

| Tube O.D. | Female NPTF | Polypropylene Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/8" | PP4VFC2-MG | 10 |
| | 1/4" | PP4VFC4-MG | 10 |
| | 3/8" | PP4VFC6-MG | 10 |
| 3/8" | 1/8" | PP6VFC2-MG | 10 |
| | 1/4" | PP6VFC4-MG | 10 |
| | 3/8" | PP6VFC6-MG | 10 |





### Tube to Male NPTF Elbows

| Tube O.D. | Male NPTF | Polypropylene Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/4" | PP4VME4-MG | 10 |
| | 3/8" | PP4VME6-MG | 10 |
| | 1/2" | PP4VME8-MG | 10 |
| 3/8" | 1/4" | PP6VME4-MG | 10 |
| | 3/8" | PP6VME6-MG | 10 |
| | 1/2" | PP6VME8-MG | 10 |



### Tube to Female NPTF Elbows

| Tube O.D. | Female NPTF | Polypropylene Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/4" | PP4VFE4-MG | 10 |
| | 3/8" | PP4VFE6-MG | 10 |
| 3/8" | 1/4" | PP6VFE4-MG | 10 |

# TrueSeal™ Ball Valves

## Tube to Tube Unions

| Tube O.D. 1 | Tube O.D. 2 | Polypropylene Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/4" | PP4VUC4-MG | 10 |
| 3/8" | 1/4" | PP4VUC6-MG | 10 |
| 3/8" | 3/8" | PP6VUC6-MG | 10 |



## Tube to Tube Elbow Unions

| Tube O.D. 1 | Tube O.D. 2 | Polypropylene Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/4" | PP4VEU4-MG | 10 |
| | 3/8" | PP4VEU6-MG | 10 |
| 3/8" | 1/4" | PP6VEU4-MG | 10 |
| | 3/8" | PP6VEU6-MG | 10 |



## Tube to Plug-in Elbow Unions

| Tube O.D. | Stem | Polypropylene Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 3/8" | PP4VTEU6-MG | 10 |
| 3/8" | 3/8" | PP6VTEU6-MG | 10 |



# TrueSeal™ Check Valves

### Applications
Push-to-connect check valves ensure protection against reversal of flow. The valves have an arrow molded into the body to indicate the direction of flow. Valves are designed for connection with either thermoplastic or soft metal tubing and are intended for use with liquids only.



### Materials
- Body material: acetal
- O-ring: EPDM
- Metal grip edge: 300 stainless steel

### Specifications
- Maximum operating pressure: **150 PSI** (dependent on tubing used)
- Temperature range: **34°F** to **150°F (1°C** to **65°C)**
- Cracking pressure: **1/3 PSI**

### Approvals
- NSF-51 listed

| Tube O.D. | Acetal Part # | Pkg Qty |
|---|---|---|
| 1/4" | A4VC4-MG | 25 |
| 3/8" | A6VC6-MG | 25 |



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## Tubing .....999 - 1003

PVC .....999
PVC braided .....1000
D.O.T. air brake tubing rolls .....1000
Polyurethane .....1001
Polyethylene .....1001
Nylon .....1002
Polyurethane - 95 durometer .....1002
Fluoropolymer FEP 140 .....1002
PVC tubing and hose cutters .....1003

## Plastic Fittings .....1004 - 1011

Hose shank x male NPT inserts .....1004
Tuff-Lite® .....1004
- Hose shank x male NPT insert .....1004
- Hose shank x female NPT insert .....1005
- Female 45°SAE/37°JIC swivel x hose barb .....1005
- Short shank x female NPSM coupling .....1005

Tuff-Lite - reducing bushings .....1005
Tuff-Lite .....1006
- 90° hose barb elbow x male NPT .....1006
- 90° hose barb elbow x female NPT .....1006
- Hose barb x 90° hose barb elbow .....1006
- Hose run x male NPT branch tee .....1007
- Hose run x hose branch tee .....1007
- Menders .....1007
- Short shank female GHT couplings .....1008
- Short shank male GHT couplings .....1008
- Male GHT x female NPT adapter .....1008
- Female GHT x male NPT adapter .....1008
- Female GHT x female NPT adapter .....1009
- Male GHT x male NPT adapter .....1009
- Male GHT x 90° hose barb elbow .....1009
- GHT x male NPT elbow .....1009
- Push-on hose shank x male NPT insert .....1010
- Push-on hose shank x female NPT insert .....1010
- Push-on hose menders .....1010
- Black SBR washers .....1011
- Black EPDM garden hose washers .....1011
- Red vinyl GHT washer .....1011
- White rubber GHT washer .....1011

# PVC Tubing

**Application**
- For use with standard shank fittings in low-pressure liquid and pneumatic applications

## Domestic

**Application**
- For non-critical hospital use such as suction and draining

**Features**
- Made from non-toxic ingredients conforming to FDA standards
- Phthalate, DEHP, and BPA free
- Shipped in individually boxed bundles, sold only in lengths shown below

**Specification**
- Maximum temperature: **175°F (79°C)**



**Approvals**
- Finished product meets USP class VI
- NSF-51 certified
- Reach and RoHS compliant
- Raw materials meet califoria proposition 65

| Size | | Working Pressure PSI @ 70°F (21°C) | Length | Clear PVC Part # |
|---|---|---|---|---|
| O.D. | I.D. | | | |
| 5/16" | 3/16" | **106** | 100' | CL0305 |
| 3/8" | 1/4" | **85** | 100' | CL0406 |
| 1/2" | 1/4" | **141** | 100' | CL0408 |
| 7/16" | 5/16" | **71** | 100' | CL0507 |
| 1/2" | 3/8" | **70** | 100' | CL0608 |
| 5/8" | 3/8" | **111** | 100' | CL0610 |
| 5/8" | 1/2" | **52** | 100' | CL0810 |
| 3/4" | 1/2" | **85** | 100' | CL0812 |
| 7/8" | 5/8" | **71** | 100' | CL1014 |
| 1" | 3/4" | **61** | 100' | CL1216 |
| 1-1/4" | 1" | **42** | 100' | CL1620 |
| 1-3/4" | 1-1/4" | **71** | 50' | CL2028-50 |
| 2" | 1-1/2" | **61** | 50' | CL2432-50 |

## Imported

**Feature**
- Shipped in bundles wrapped with PVC film, sold only in lengths shown below



**Specification**
- Temperature range: **14°F** to **149°F (-10°C** to **65°C)**

| Size | | Working Pressure PSI @ 72°F (22°C) | Length | Clear PVC Part # |
|---|---|---|---|---|
| O.D. | I.D. | | | |
| 3/8" | 1/4" | **50** | 100' | ICL0406 |
| 1/2" | 3/8" | **35** | 100' | ICL0608 |
| 5/8" | 1/2" | **35** | 100' | ICL0810 |
| 3/4" | 1/2" | **50** | 100' | ICL0812 |
| 1" | 3/4" | **35** | 100' | ICL1216 |
| 1-1/4" | 1" | **30** | 100' | ICL1620 |
| 2" | 1-1/2" | **15** | 50' | ICL2432 |

## PVC Braided Tubing

**Application**
- For use with standard shank fittings in low-pressure liquid and pneumatic applications

### Domestic

**Features**
- High grade tensile strength polyester yarn reinforcement
- Shipped in coils, sold only in lengths shown below



**Specification**
- Temperature range: **27°F** to **150°F (-3C** to **66°C)**

| Size | | Working Pressure PSI @ 72°F (22°C) | Length | Clear PVC Part # |
|---|---|---|---|---|
| O.D. | I.D. | | | |
| .435 | 1/4" | **315** | 300' | BR0446 |
| .625 | 3/8" | **265** | 300' | BR0609 |
| .728 | 1/2" | **215** | 300' | BR0812 |
| .906 | 5/8" | **200** | 300' | BR1014 |
| 1.024 | 3/4" | **150** | 300' | BR1218 |
| 1.732 | 1-1/4" | **110** | 100' | BR2027 |
| 1.950 | 1-1/2" | **90** | 100' | BR2431 |

### Imported

**Features**
- For various machine tools and the transportation of chemicals
- Shipped in bundles wrapped with PVC film, sold only in lengths shown below



**Specification**
- Temperature range: **14°F** to **149°F (-10°C** to **65°C)**

| Size | | Working Pressure PSI @ 72°F (22°C) | Length | Clear PVC Part # |
|---|---|---|---|---|
| O.D. | I.D. | | | |
| 1/2" | 1/4" | **142** | 300' | IBR0446 |
| 5/8" | 3/8" | **114** | 300' | IBR0609 |
| 3/4" | 1/2" | **100** | 300' | IBR0812 |
| 1-1/16" | 3/4" | **71** | 300' | IBR1218 |
| 1-5/16" | 1" | **71** | 200' | IBR1621 |

## D.O.T. Air Brake Tubing Rolls

**Feature**
- Tubing cutters sold on page 1003



**Specifications**
- Working pressure: **150 PSI**
- Temperature range: **-40°F** to **200°F (-40°C** to **93°C)**

**Approval**
- Meets Department of Transportation FMVSS-106 nylon material conforming to SAE J844

| Tube Size | Tubing Color | Length | Nylon Part # |
|---|---|---|---|
| 3/16" | black | 100' | J844-03-BL-100 |
| 1/4" | black | 100' | J844-04-BL-100 |
| | blue | 100' | J844-04-B-100 |
| | red | 100' | J844-04-R-100 |
| 3/8" | black | 100' | J844-06-BL-100 |
| | blue | 100' | J844-06-B-100 |
| | red | 100' | J844-06-R-100 |
| 1/2" | black | 100' | J844-08-BL-100 |
| 5/8" | black | 100' | J844-10-BL-100 |



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## Polyurethane Tubing

**Application**
- For use with the push-in fittings sold on pages 240 - 248

**Features**
- Naturally transparent
- Excellent memory, flexibility, and resistance to kinking
- Good resistance to fuels and oils
- Low gas and vapor permeability
- High compressive strength
- Low compressive set and extractability levels
- Outstanding abrasion resistance



**Specification**
- Temperature range: **-40°F** to **165°F (-40°C** to **74°C)**

| Size | | Wall | Working Pressure | Length | Polyurethane |
|---|---|---|---|---|---|
| O.D. | I.D. | Thickness | PSI @ 75°F (24°C) | | Part # |
| 1/8" | .062" | .0295" | **255** | 250' | 04063 |
| 5/32" | .094" | .0315" | **210** | 100' | 05094 |
| 1/4" | .160" | .0450" | **175** | 100' | 08160 |
| 3/8" | .245" | .0650" | **170** | 100' | 12250 |
| 1/2" | .320" | .0900" | **175** | 50' | 16320 |

## Polyethylene Tubing

**Application**
- For use with the push-in fittings sold on pages 240 - 248

**Features**
- Flexible, lightweight, low-density polyethylene (LLDPE) tubing
- For use with plastic or metal inserts with outer sleeve, ferrule, or clamps
- Formulated to resist stress cracking
- Glossy finish

**Specification**
- Temperature range: **-50°F** to **140°F (-46°** to **60°C)**

**Approvals**
- NSF61 certified for potable water
- UV stabalized
- Designed for FDA applications, complies with 21CFR 177.1520 (c) food contact



| Size | | Wall | Working Pressure | Length | Tubing | Polyethylene |
|---|---|---|---|---|---|---|
| O.D. | I.D. | Thickness | PSI @ 75°F (24°C) | | Color | Part # |
| 1/4" | .125" | .062" | **350** | 100' | natural | 0804 |
| 1/4" | .170" | .040" | **150** | 100' | natural | 0817 |
| 1/4" | .170" | .040" | **150** | 100' | blue | 0817BL100 |
| 3/8" | .250" | .062" | **150** | 100' | natural | 1208 |
| 1/2" | .375" | .062" | **125** | 100' | natural | 1612 |

| Size | | Wall | Working Pressure | Length | Tubing | Polyethylene |
|---|---|---|---|---|---|---|
| O.D. | I.D. | Thickness | PSI @ 75°F (24°C) | | Color | Part # |
| 1/4" | .170" | .040" | **150** | 500' | blue | 0817BL |
| 1/4" | .170" | .040" | **150** | 500' | black | 0817BR |
| 1/4" | .170" | .040" | **150** | 500' | natural | 0817CR |
| 3/8" | .250" | .062" | **150** | 500' | black | 1208BR |
| 3/8" | .250" | .062" | **150** | 500' | natural | 1208CR |

## Nylon Tubing

**Application**
- For use with the push-in fittings sold on pages 240 - 248

**Features**
- Naturally transparent
- Recommended for applications requiring low density, lightweight toughness, flexibility, and chemical resistance
- Packaged in plastic bags

**Specification**
- Temperature range: **-40°F** to **180°F (-40°C** to **82°C)**



| Size | | Wall | Working Pressure | Length | Nylon |
|---|---|---|---|---|---|
| O.D. | I.D. | Thickness | PSI @ 75°F (24°C) | | Part # |
| 1/8" | .093" | .016" | **270** | 100' | 04093 |
| 5/32" | .106" | .025" | **350** | 100' | 05106 |
| 3/16" | .138" | .025" | **260** | 100' | 06138 |
| 1/4" | .170" | .040" | **330** | 100' | 08170 |
| 1/4" | .180" | .035" | **290** | 100' | 08180 |
| 3/8" | .275" | .050" | **250** | 100' | 12275 |
| 1/2" | .375" | .062" | **240** | 100' | 16375 |



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## Nylon Tubing

**Application**
- Ideal for many industrial applications

**Features**
- Chemical, humidity, and abrasion resistant
- Semi rigid

**Specification**
- Temperature range: **-65°F** to **200°F (-54°C** to **93°C)**

| Size | | Wall | Working Pressure | Length | Natural Nylon | Black Nylon | Blue Nylon |
|---|---|---|---|---|---|---|---|
| O.D. | I.D. | Thickness | PSI @ 75°F (24°C) | | Part # | Part # | Part # |
| 1/8" | .093" | .016" | **250** | 50' | 1091P5300 | 1091P5301 | 1091P5304 |
| 5/32" | .106" | .025" | **300** | 50' | 1091P0400 | 1091P0401 | 1091P0404 |
| 3/16" | .138" | .025" | **250** | 50' | 1091P5500 | 1091P5501 | --- |
| 1/4" | .170" | .040" | **300** | 50' | 1091P5600 | 1091P5601 | 1091P5604 |
| 5/16" | .233" | .040" | **250** | 50' | 1091P0800 | 1091P0801 | 1091P0804 |
| 3/8" | .275" | .050" | **250** | 50' | 1091P6000 | 1091P6001 | 1091P6004 |
| 1/2" | .375" | .062" | **250** | 50' | 1091P6200 | 1091P6201 | 1091P6204 |

| Size | | Wall | Working Pressure | Length | Natural Nylon | Black Nylon | Blue Nylon |
|---|---|---|---|---|---|---|---|
| O.D. | I.D. | Thickness | PSI @ 75°F (24°C) | | Part # | Part # | Part # |
| 1/8" | .093" | .016" | **250** | 100' | 1094P5300 | 1094P5301 | 1094P5304 |
| 5/32" | .106" | .025" | **300** | 100' | 1094P0400 | 1094P0401 | 1094P0404 |
| 3/16" | .138" | .025" | **250** | 100' | 1094P5500 | 1094P5501 | --- |
| 1/4" | .170" | .040" | **300** | 100' | 1094P5600 | 1094P5601 | 1094P5604 |
| 5/16" | .233" | .040" | **250** | 100' | 1094P0800 | 1094P0801 | 1094P0804 |
| 3/8" | .275" | .050" | **250** | 100' | 1094P6000 | 1094P6001 | 1094P6004 |
| 1/2" | .375" | .062" | **250** | 100' | 1094P6200 | 1094P6201 | 1094P6204 |

## Polyurethane - 95 Durometer Tubing



**Application**
- Good for applications where space is tight; for applications where tubing will be exposed, black tubing is recommended

**Feature**
- High flexibility and a small bend radius

**Specification**
- Temperature range: **-40°F** to **165°F (-40°C** to **74°C)**

| Size | | Wall | Working Pressure | Length | Clear Polyurethane | Black Polyurethane | Blue Polyurethane |
|---|---|---|---|---|---|---|---|
| O.D. | I.D. | Thickness | PSI @ 75°F (24°C) | | Part # | Part # | Part # |
| 1/8" | .062" | .031" | **233** | 50' | 1091U53R00 | 1091U5301 | 1091U5304 |
| 5/32" | .093" | .031" | **176** | 50' | 1091U04R00 | 1091U0401 | 1091U0404 |
| 1/4" | .160" | .045" | **148** | 50' | 1091U56R00 | 1091U5601 | 1091U5604 |
| 5/16" | .216" | .049" | **148** | 50' | 1091U08R00 | 1091U0801 | 1091U0804 |
| 3/8" | .250" | .066" | **147** | 50' | 1091U60R00 | 1091U6001 | 1091U6004 |
| 1/2" | .320" | .090" | **140** | 50' | 1091U62R00 | 1091U6201 | 1091U6204 |

| Size | | Wall | Working Pressure | Length | Clear Polyurethane | Black Polyurethane | Blue Polyurethane |
|---|---|---|---|---|---|---|---|
| O.D. | I.D. | Thickness | PSI @ 75°F (24°C) | | Part # | Part # | Part # |
| 1/8" | .062" | .031" | **233** | 100' | 1094U53R00 | 1094U5301 | 1094U5304 |
| 5/32" | .093" | .031" | **176** | 100' | 1094U04R00 | 1094U0401 | 1094U0404 |
| 1/4" | .160" | .045" | **148** | 100' | 1094U56R00 | 1094U5601 | 1094U5604 |
| 5/16" | .216" | .049" | **148** | 100' | 1094U08R00 | 1094U0801 | 1094U0804 |
| 3/8" | .250" | .066" | **147** | 100' | 1094U60R00 | 1094U6001 | 1094U6004 |
| 1/2" | .320" | .090" | **140** | 100' | 1094U62R00 | 1094U6201 | 1094U6204 |



## Fluoropolymer FEP 140 Tubing



**Application**
- Provides excellent resistance to aggressive and corrosive agents and high temperatures

**Specification**
- Maximum temperature: **300°F (149°C)**

**Approval**
- FDA compliant materials

| Size | | Wall | Working Pressure | Length | Clear Fluoropolymer |
|---|---|---|---|---|---|
| O.D. | I.D. | Thickness | PSI @ 72°F (22°C) | | Part # |
| 1/8" | .062" | .031" | **500** | 25' | 1092T5300 |
| 1/4" | .170" | .031" | **165** | 25' | 1092T5600 |
| 3/8" | .300" | .062" | **240** | 25' | 1092T6000 |

## PVC Tubing and Hose Cutters



**Application**
- Rugged construction cuts up to 3/4" tubing or hose

**Feature**
- Corrosion resistant hardened steel blade ensures straight, crisp cuts for optimum fit

| Part # |
|---|
| TC97 |
| TC97RB |



**Application**
- Cuts low-pressure fabric reinforced hose up to 1" O.D.

**Feature**
- Reversible blade

| Part # |
|---|
| HC90 |
| HC90RB (replacement blade) |



**Application**
- Cuts hose and tubing up to 1-7/8" O.D.

**Materials**
- Tough fiberglass reinforced handle
- Stainless steel blade

| Part # |
|---|
| LHC95 |
| LHC95RB (replacement blade) |

Q



nylon



polypropylene

## Hose Shank x Male NPT Inserts

| Size | Nylon Part # | Pkg Qty | Polypropylene Part # | Pkg Qty |
|---|---|---|---|---|
| 1-1/4" | THN15 | 25 | --- | --- |
| 1-1/2" | THN20 | 25 | HB150 | 25 |
| 2" | THN25 | 20 | HB200 | 24 |
| 3" | THN35 | 10 | HB300 | 10 |
| 4" | --- | --- | HB400 | 12 |

## Tuff-Lite®

### Hose Shank x Male NPT Insert

**Nylon Features**

- Nylon fittings should not be used with acid-based fertilizers, bromine, chlorine, fluorine, hydrochloric acid, iodine, nitric acid, phosphoric acid, sulfuric acid, or xylene
- Nylon should not be used with compressed gas
- Fittings are white

**Polypropylene Features**

- Polypropylene fittings should not be used with aromatic hydrocarbons, carbon tetra-chloride, gasoline, hexane, kerosene, nitric acid, sodium hydrochlorite, toluene, trichloroethylene, or xylene
- Polypropylene should not be used with compressed gas
- Fittings are black



nylon



polypropylene

| Hose Size | Male NPT | Nylon Part # | Pkg Qty | Polypropylene Part # | Pkg Qty |
|---|---|---|---|---|---|
| 1/4" | 1/8" | TN21 | 50 | PPN21 | 50 |
| | 1/4" | TN22 | 50 | PPN22 | 50 |
| | 3/8" | TN23 | 50 | PPN23 | 50 |
| | 1/2" | TN24 | 50 | PPN24 | 50 |
| | 3/4" | TN26 | 50 | --- | --- |
| | 1" | TN28 | 50 | --- | --- |
| 5/16" | 1/4" | TN252 | 50 | --- | --- |
| 3/8" | 1/8" | TN31 | 50 | PPN31 | 50 |
| | 1/4" | TN32 | 50 | PPN32 | 50 |
| | 3/8" | TN33 | 50 | PPN33 | 50 |
| | 1/2" | TN34 | 50 | PPN34 | 50 |
| | 3/4" | TN36 | 50 | PPN36 | 50 |
| 1/2" | 1/8" | TN41 | 50 | --- | --- |
| | 1/4" | TN42 | 50 | PPN42 | 50 |
| | 3/8" | TN43 | 50 | PPN43 | 50 |
| | 1/2" | TN44 | 50 | PPN44 | 50 |
| | 3/4" | TN46 | 50 | PPN46 | 50 |
| 5/8" | 3/8" | TN53 | 50 | --- | --- |
| | 1/2" | TN54 | 50 | PPN54 | 50 |
| | 3/4" | TN56 | 50 | PPN56 | 50 |
| 3/4" | 3/8" | TN63 | 50 | --- | --- |
| | 1/2" | TN64 | 50 | PPN64 | 50 |
| | 3/4" | TN66 | 50 | PPN66 | 50 |
| | 1" | TN68 | 25 | PPN68 | 25 |
| 1" | 3/4" | TN86 | 25 | PPN86 | 25 |
| | 1" | TN88 | 25 | PPN88 | 25 |
| 1-1/4" | 1" | TN158 | 15 | --- | --- |
| | 1-1/4" | TN150 | 10 | PPN150 | 10 |
| | 1-1/2" | TN1520 | 10 | --- | --- |
| 1-1/2" | 1-1/4" | TN2015 | 10 | --- | --- |
| | 1-1/2" | TN200 | 10 | PPN200 | 10 |
| 2" | 2" | TN250 | 5 | PPN250 | 5 |

# Tuff-Lite®

## Hose Shank x Female NPT Insert

**Features**
- Nylon fittings should not be used with acid-based fertilizers, bromine, chlorine, fluorine, hydrochloric acid, iodine, nitric acid, phosphoric acid, sulfuric acid, or xylene
- Nylon should not be used with compressed gas ⚠



| Hose Size | Female NPT | Nylon Part # |
|---|---|---|
| 1/4" | 1/4" | TFS22 |
| 1/4" | 1/2" | TFS42 |
| 1/2" | 1/2" | TFS44 |
| 3/4" | 3/4" | TFS66 |

## Female 45°SAE/37°JIC Swivel x Hose Barb

**Specification**
- Ball seat type



| Hose Size | Female NPSM | Nylon Part # |
|---|---|---|
| 1/4" | 1/4" | TF22 |
| 3/8" | 3/8" | TF33 |

## Short Shank x Female NPSM Couplings

**Features**
- Sold in package quantities only
- Shipped with a red vinyl washer (TVW7), replacement washers on page 412



| Hose Shank | Female NPSM | Nylon Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 3/4" | TCF62 | 50 |
| 3/8" | 3/4" | TCF63 | 50 |
| 1/2" | 3/4" | TCF64 | 50 |
| 5/8" | 3/4" | TCF65 | 50 |
| 3/4" | 3/4" | TCF66 | 50 |

## Tuff-Lite - Reducing Bushings



| Male NPT | Female NPT | Nylon Part # |
|---|---|---|
| 3/8" | 1/4" | THB32 |
| 1/2" | 1/4" | THB42 |
| 1/2" | 3/8" | THB43 |
| 3/4" | 1/2" | THB64 |
| 1" | 3/4" | THB86 |

NOTE: For additional information on pipe dimensions please reference dixonvalve.com.

## Tuff-Lite®

### 90° Hose Barb Elbow x Male NPT



| Hose Size | Male NPT | Nylon Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/8" | TLS21 | 50 |
| | 1/4" | TLS22 | 50 |
| | 3/8" | TLS23 | 50 |
| 3/8" | 1/8" | TLS31 | 50 |
| | 1/4" | TLS32 | 50 |
| | 3/8" | TLS33 | 50 |
| | 1/2" | TLS34 | 50 |
| | 3/4" | TLS36 | 50 |
| 1/2" | 1/4" | TLS42 | 50 |
| | 3/8" | TLS43 | 50 |
| | 1/2" | TLS44 | 50 |
| | 3/4" | TLS46 | 25 |
| | 1" | TLS48 | 25 |
| 5/8" | 3/8" | TLS53 | 25 |
| | 1/2" | TLS54 | 25 |
| | 3/4" | TLS56 | 25 |
| | 1" | TLS58 | 25 |
| 3/4" | 3/8" | TLS63 | 25 |
| | 1/2" | TLS64 | 25 |
| | 3/4" | TLS66 | 25 |
| | 1" | TLS68 | 15 |
| 1" | 3/4" | TLS86 | 15 |
| | 1" | TLS88 | 15 |

NOTE: Sold in package quantities only.

### 90° Hose Barb Elbow x Female NPT



| Hose Size | Female NPT | Nylon Part # |
|---|---|---|
| 1/2" | 1/2" | TLFS44 |
| 1/2" | 3/4" | TLFS64 |
| 3/4" | 3/4" | TLFS66 |

### Hose Barb x 90° Hose Barb Elbow



nylon

polypropylene

| Hose Size | Nylon Part # | Pkg Qty | Polypropylene Part # | Pkg Qty |
|---|---|---|---|---|
| 1/4" | TLSS22 | 50 | PPLSS22 | 50 |
| 3/8" | TLSS33 | 50 | PPLSS33 | 50 |
| 1/2" | TLSS44 | 50 | PPLSS44 | 50 |
| 3/4" | TLSS66 | 50 | PPLSS66 | 50 |

NOTE: Sold in package quantities only

# Tuff-Lite®

## Hose Run x Male NPT Branch Tees

| Hose Size | Male NPT | Nylon Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/4" | TSST222 | 50 |
| 3/8" | 3/8" | TSST333 | 50 |
| 1/2" | 1/2" | TSST444 | 25 |
| 3/4" | 3/4" | TSST666 | 25 |

NOTE: Sold in package quantities only



## Hose Run x Hose Branch Tees

| Hose Size | Nylon Part # | Pkg Qty |
|---|---|---|
| 1/4" | TSSS222 | 50 |
| 3/8" | TSSS333 | 50 |
| 1/2" | TSSS444 | 50 |
| 3/4" | TSSS666 | 25 |

NOTE: Sold in package quantities only



## Menders

**Specification**

- Maximum working temperature: **150°F (66°C)**

| Size | Nylon Part # | Pkg Qty | Polypropylene Part # | Pkg Qty |
|---|---|---|---|---|
| 1/4" | TM2 [1] | 50 | PPM2 | 50 |
| 5/16" | TM25 [1] | 50 | --- | --- |
| 3/8" | TM3 [1] | 50 | PPM3 | 50 |
| 1/2" | TM4 [1] | 50 | PPM4 | 50 |
| 5/8" | TM5 [1] | 50 | PPM5 | 50 |
| 3/4" | TM6 [1] | 50 | PPM6 | 50 |
| 1" | TM8 [1] | 25 | PPM8 | 50 |
| 1-1/4" | TM16 | 50 | --- | --- |
| 1-1/2" | TM21 | 10 | --- | --- |
| 2" | TM26 | 20 | --- | --- |
| 4" | TM46 | 25 | --- | --- |
| 6" | TM66 | 12 | --- | --- |

NOTE: Sold in package quantities only



nylon



polypropylene

## Tuff-Lite®

### Short Shank Female GHT Couplings



polypropylene



nylon

**Feature**

- Shipped with a red vinyl washer (TVW7), replacement washers on page 412

| Hose Shank | Thread Size | Nylon Part # | Polypropylene Part # |
|---|---|---|---|
| 1/4" | 3/4" GHT | TCF72 | PPCF72 |
| 3/8" | | TCF73 | PPCF73 |
| 1/2" | | TCF74 | PPCF74 |
| 5/8" | | TCF75 | PPCF75 |
| 3/4" | | TCF76 | PPCF76 |

### Short Shank Male GHT Couplings



polypropylene



nylon

| Hose Shank | Thread Size | Nylon Part # | Polypropylene Part # |
|---|---|---|---|
| 1/4" | 3/4" GHT | TCM72 | --- |
| 3/8" | | TCM73 | PPCM73 |
| 1/2" | | TCM74 | PPCM74 |
| 5/8" | | TCM75 | PPCM75 |
| 3/4" | | TCM76 | PPCM76 |

### Male GHT x Female NPT Adapters



polypropylene



nylon

| Female NPT | Nylon Part # | Pkg Qty | Polypropylene Part # | Pkg Qty |
|---|---|---|---|---|
| 1/4" | TA792 | 50 | PPA792 | 50 |
| 3/8" | TA793 | 50 | --- | -- |
| 1/2" | TA794 | 50 | PPA794 | 50 |
| 3/4" | TA796 | 50 | PPA796 | 25 |

NOTE: Sold in package quantities only

### Female GHT x Male NPT Adapters



| Male NPT | Nylon Part # | Pkg Qty |
|---|---|---|
| 1/4" | TA972 | 50 |
| 3/8" | TA973 | 50 |
| 1/2" | TA974 | 50 |
| 3/4" | TA976 | 50 |

NOTE: Sold in package quantities only

## Tuff-Lite®

### Female GHT x Female NPT Adapters

| Female NPT | Nylon Part # | Pkg Qty |
|---|---|---|
| 1/2" | TA974F | 50 |
| 3/4" | TA976F | 50 |



NOTE: Sold in package quantities only

### Male GHT x Male NPT Adapters

| Male NPT | Nylon Part # | Pkg Qty | Polypropylene Part # | Pkg Qty |
|---|---|---|---|---|
| 1/4" | TA772 | 50 | --- | --- |
| 3/8" | TA773 | 50 | PPA773 | 50 |
| 1/2" | TA774 | 50 | PPA774 | 50 |
| 3/4" | TA776 | 50 | PPA776 | 50 |
| 1" | TA778 | 25 | --- | --- |



polypropylene



nylon

NOTE: Sold in package quantities only

### Male GHT x 90° Hose Barb Elbows

| Hose Size | Nylon Part # | Pkg Qty |
|---|---|---|
| 3/8" | TLS37 | 50 |
| 1/2" | TLS47 | 25 |
| 5/8" | TLS57 | 25 |
| 3/4" | TLS67 | 50 |



NOTE: Sold in package quantities only

### GHT x Male NPT Elbows

| Male NPT | Nylon Part # | Pkg Qty |
|---|---|---|
| 3/8" | TLT73 | 25 |
| 1/2" | TLT74 | 25 |
| 3/4" | TLT76 | 25 |



NOTE: Sold in package quantities only

## Tuff-Lite®

### Push-On Hose Shank x Male NPT Inserts



**Feature**
- No clamps are needed when these fittings are used with push-on hose

| Hose Size | Male NPT | Nylon Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/8" | TPN21 | 50 |
| | 1/4" | TPN22 | 50 |
| | 3/8" | TPN23 | 50 |
| 3/8" | 1/4" | TPN32 | 50 |
| | 3/8" | TPN33 | 50 |
| | 1/2" | TPN34 | 50 |
| 1/2" | 3/8" | TPN43 | 50 |
| | 1/2" | TPN44 | 50 |
| | 3/4" | TPN46 | 50 |

NOTE: Sold in package quantities only

### Push-On Hose Shank x Female NPT Inserts



**Feature**
- No clamps are needed when these fittings are used with push-on hose

| Hose Size | Female NPT | Nylon Part # | Pkg Qty |
|---|---|---|---|
| 1/4" | 1/4" | TPF22 | 50 |
| 3/8" | 1/4" | TPF32 | 50 |
| | 3/8" | TPF33 | 50 |
| 1/2" | 3/8" | TPF43 | 50 |
| | 1/2" | TPF44 | 50 |

NOTE: Sold in package quantities only

### Push-On Hose Menders



**Feature**
- No clamps needed when used with push-on hose

| Size | Nylon Part # | Pkg Qty |
|---|---|---|
| 1/4" | TPM2 | 50 |
| 3/8" | TPM3 | 50 |
| 1/2" | TPM4 | 50 |

NOTE: Sold in package quantities only

## Black SBR Washers

| I.D. | O.D. | Duro | Part # | Optional Qty |
|---|---|---|---|---|
| 0.63" | 1.00" | 80 | 5911212W | 100 |
| 0.86" | 1.27" | 60 | 5911616W | 100 |



## Black EPDM Garden Hose Washers

**Approval**
- NSF®61 approved

| I.D. | O.D. | Duro | Part # |
|---|---|---|---|
| 0.63" | 1.00" | 70 | 5911212WEPDM |
| 0.86" | 1.27" | 70 | 5911616WEPDM |

## Red Vinyl GHT Washer

| Red Vinyl Part # | Optional Qty |
|---|---|
| TVW7 | 100 |



## White Rubber GHT Washer

| White Rubber (Styrene Butadiene) Part # | Optional Qty |
|---|---|
| TRW7 | 100 |



**Nominal .....1013 - 1015**
Smooth bore PTFE hose .....1013
Smooth bore PTFE hose per foot length .....1013
Female JIC swivels .....1014
Rigid male pipe fittings .....1014
Female SAE swivels .....1014
PTFE hose insertion tool and dies .....1015
Smooth bore PTFE hose fittings .....1015
Tube end stubs .....1015
45° FJIC fittings .....1015
90° FJIC fittings .....1015

**True I.D. Hose .....1016**
True I.D. open pitch convoluted hose .....1016
Heavy wall true I.D. smooth bore hose .....1016

**True I.D. Fittings.....1016 - 1017**
Female JIC swivels .....1016
Rigid male pipe fittings .....1016
PTFE hose fittings .....1017
Sanitary tri-clamps .....1017
Mini sanitary tri-clamps .....1017
Flange retainers .....1017

**Crimp Collars .....1017**
Convoluted .....1017
Smooth bore .....1017

**Spring Guard.....1018**
With tang .....1018
Without tang .....1018

**Continuous Spring Guard .....1018**

**GSM Ball-Joint Armored Hose Assemblies ..... 1018**

R

## Nominal

### Application
- Suitable for conveying chemicals, foods, pharmaceuticals, oils, gas, fuels, and steam

### Size
- Size range: dash-3 to dash-20

### Features
- 304 stainless braided
- Extruded or heat shrink coverings are available upon request
- Boxed coils (bulk, per ft. lengths, and full reels available from Maryland and Texas; call Dixon® at 888.226.4673)
- For use with nominal PTFE fittings on page 1014 and 1015

### Specification
- Temperature range: **-100°F to 450°F (-73°C** to **232°C)**

### Approval
- Nominal standard smooth bore PTFE hose meets SAE100R14

**Nominal Smooth Bore PTFE Hose**
**(fittings not included)**





| Nominal Size | Average I.D. | Length in Feet | Dash Size | Working Pressure (PSI) | Burst Pressure (PSI) | White, non-conductive Part # | Black, conductive Part # |
|---|---|---|---|---|---|---|---|
| 3/16" | .125" | 100' | dash-3 | **3000** | **12000** | --- | BSB-03-100 |
| 1/4" | .187" | 100' | dash-4 | **3000** | **12000** | WSB-04-100 | BSB-04-100 |
| 5/16" | .250" | 100' | dash-5 | **3000** | **12000** | WSB-05-100 | BSB-05-100 |
| 3/8" | .312" | 100' | dash-6 | **2500** | **10000** | WSB-06-100 | BSB-06-100 |
| 3/8T" | .375" | 100' | dash-6T | **2250** | **9000** | WSB-06T-100 | BSB-06T-100 |
| 1/2" | .405" | 100' | dash-8 | **2000** | **8000** | WSB-08-100 | BSB-08-100 |
| 5/8" | .500" | 100' | dash-10 | **1750** | **7000** | WSB-10-100 | BSB-10-100 |
| 3/4" | .625" | 100' | dash-12 | **1500** | **6000** | WSB-12-100 | BSB-12-100 |
| 3/4T" | .750" | 50' | dash-12T | **1100** | **4400** | WSB-12T-50 | BSB-12T-50 |
| 1" | .875" | 50' | dash-16 | **1000** | **4000** | WSB-16-50 | BSB-16-50 |

**Nominal Smooth Bore PTFE Hose Per Foot Length**
**(fittings not included)**

| Nominal Size | Average I.D. | Dash Size | White, non-conductive Part # | Black, conductive Part # |
|---|---|---|---|---|
| 3/16" | .125" | dash-3 | WSB-03 | BSB-03 |
| 1/4" | .187" | dash-4 | WSB-04 | BSB-04 |
| 5/16" | .250" | dash-5 | WSB-05 | BSB-05 |
| 3/8" | .312" | dash-6 | WSB-06 | BSB-06 |
| 3/8T" | .375" | dash-6T | WSB-06T | BSB-06T |
| 1/2" | .405" | dash-8 | WSB-08 | BSB-08 |
| 5/8" | .500" | dash-10 | WSB-10 | BSB-10 |
| 3/4" | .625" | dash-12 | WSB-12 | BSB-12 |
| 3/4T" | .750" | dash-12T | WSB-12T | BSB-12T |
| 1" | .875" | dash-16 | WSB-16 | BSB-16 |
| 1T" | 1.000" | dash-16T | WSB-16T | BSB-16T |
| 1-1/4" | 1.125" | dash-20Z | WSB-20Z [1] | BSB-20Z [1] |

[1] Double braided

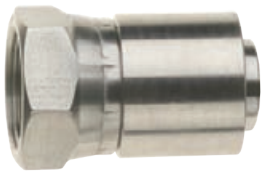
NOTE: Per feet lengths are available from Maryland and Texas only. Call Dixon at 888.226.4673

R

## Nominal Fittings

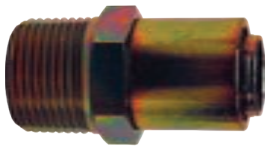
**Crimp Collars for all nominal fittings are included**

- For use with nominal smooth bore PTFE hoses on the previous pages



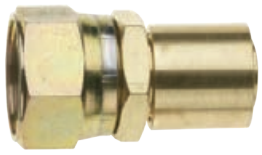
### Female JIC Swivels

| Hose Size | Thread Size | Carbon Steel Part # | 304 Stainless Steel Part # | Brass Part # |
|---|---|---|---|---|
| dash 4 | 1/4" | FJC-04-04 | FJS-04-04 | FJB-04-04 |
| dash 5 | 5/16" | FJC-05-05 | FJS-05-05 | FJB-05-05 |
| dash 6 | 3/8" | FJC-06-06 | FJS-06-06 | FJB-06-06 |
| dash 8 | 1/2" | FJC-08-08 | FJS-08-08 | FJB-08-08 |
| dash 10 | 5/8" | FJC-10-10 | FJS-10-10 | FJB-10-10 |
| dash 12 | 3/4" | FJC-12-12 | FJS-12-12 | FJB-12-12 |
| dash 16 | 1" | FJC-16-16 | FJS-16-16 | FJB-16-16 |
| dash 20Z | 1-1/4" | FJC-20Z-20 | FJS-20Z-20 | FJB-20Z-20 |



### Rigid Male Pipe Fittings

| Hose Size | Thread Size | Carbon Steel Part # | 304 Stainless Steel Part # | Brass Part # |
|---|---|---|---|---|
| dash 4 | 1/8" | MPC-04-02 | MPS-04-02 | MPB-04-02 |
| dash 4 | 1/4" | MPC-04-04 | MPS-04-04 | MPB-04-04 |
| dash 5 | 1/4" | MPC-05-04 | MPS-05-04 | MPB-05-04 |
| dash 6 | 1/4" | MPC-06-04 | MPS-06-04 | MPB-06-04 |
| dash 6 | 3/8" | MPC-06-06 | MPS-06-06 | MPB-06-06 |
| dash 8 | 3/8" | MPC-08-06 | MPS-08-06 | MPB-08-06 |
| dash 8 | 1/2" | MPC-08-08 | MPS-08-08 | MPB-08-08 |
| dash 10 | 1/2" | MPC-10-08 | MPS-10-08 | MPB-10-08 |
| dash 12 | 3/4" | MPC-12-12 | MPS-12-12 | MPB-12-12 |
| dash 16 | 1" | MPC-16-16 | MPS-16-16 | MPB-16-16 |
| dash 20Z | 1-1/4" | MPC-20Z-20 | MPS-20Z-20 | MPB-20Z-20 |



### Female SAE Swivels

| Hose Size | Thread Size | Carbon Steel Part # | Brass Part # |
|---|---|---|---|
| dash 6 | 3/8" | SAEC-06-06 | SAEB-06-06 |
| dash 12 | 3/4" | SAEC-12-12 | SAEB-12-12 |

## Nominal PTFE Hose Insertion Tool and Dies

**Feature**

- Takes the hassle out of installing crimp collars onto braided PTFE Hose; with a few simple steps even challenging braid can be easily and safely inserted into the crimp collar



| Description | Size | Part # |
|---|---|---|
| tool / die holder | --- | ITDH |
| die | dash 4 | ITD-04 |
| die | dash 5 | ITD-05 |
| die | dash 6 | ITD-06 |
| die | dash 8 | ITD-08 |
| die | dash 10 | ITD-10 |
| die | dash 12 | ITD-12 |
| die | dash 16 | ITD-16 |

## Nominal Smooth Bore PTFE Hose Fittings

**Crimp collars for all nominal fittings are included**

**Application**

- For use with nominal smooth bore PTFE hoses on page 1013

### Tube End Stubs



| Hose Size | Tube Size | 304 Stainless Steel Part # |
|---|---|---|
| dash 4 | 1/4" | TES-04-04 |
| dash 6 | 3/8" | TES-06-06 |
| dash 8 | 1/2" | TES-08-08 |
| dash 12 | 3/4" | TES-12-12 |
| dash 16 | 1" | TES-16-16 |

### 45° FJIC Fittings



| Hose Size | Thread Size | 304 Stainless Steel Part # | Carbon Steel Part # |
|---|---|---|---|
| dash 3 | 3/16" | FJS45-03-03 | FJC45-03-03 |
| dash 4 | 1/4" | FJS45-04-04 | FJC45-04-04 |
| dash 5 | 5/16" | FJS45-05-05 | FJC45-05-05 |
| dash 6 | 3/8" | FJS45-06-06 | FJC45-06-06 |
| dash 8 | 1/2" | FJS45-08-08 | FJC45-08-08 |
| dash 10 | 5/8" | FJS45-10-10 | FJC45-10-10 |
| dash 12 | 3/4" | FJS45-12-12 | FJC45-12-12 |
| dash 16 | 1" | FJS45-16-16 | FJC45-16-16 |
| dash 20Z | 1-1/4" | FJS45-20Z-20 | FJC45-20Z-20 |

### 90° FJIC Fittings



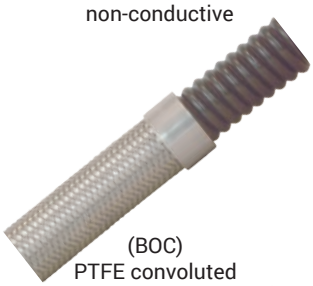
| Hose Size | Thread Size | 304 Stainless Steel Part # | Carbon Steel Part # |
|---|---|---|---|
| dash 3 | 3/16" | FJS90-03-03 | FJC90-03-03 |
| dash 4 | 1/4" | FJS90-04-04 | FJC90-04-04 |
| dash 5 | 5/16" | FJS90-05-05 | FJC90-05-05 |
| dash 6 | 3/8" | FJS90-06-06 | FJC90-06-06 |
| dash 8 | 1/2" | FJS90-08-08 | FJC90-08-08 |
| dash 10 | 5/8" | FJS90-10-10 | FJC90-10-10 |
| dash 12 | 3/4" | FJS90-12-12 | FJC90-12-12 |
| dash 16 | 1" | FJS90-16-16 | FJC90-16-16 |
| dash 20Z | 1-1/4" | FJS90-20Z-20 | FJC90-20Z-20 |



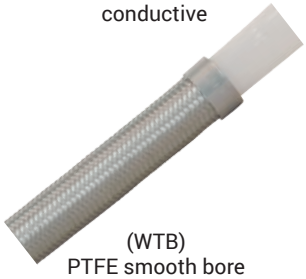
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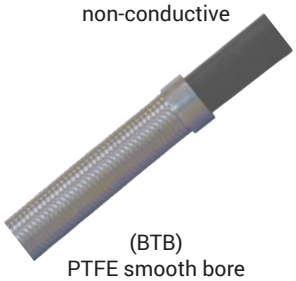
(WOC)
PTFE convoluted
non-conductive



(BOC)
PTFE convoluted
conductive



(WTB)
PTFE smooth bore
non-conductive



(BTB)
PTFE smooth bore
conductive

## True I.D. Hose

**Application**
- Suitable for conveying acids, chemicals, foods, and pharmaceuticals

**Size**
- Size range: 1/4" to 2"

**Specification**
- Temperature range: **-100°F** to **450°F (-73°C** to **232°C)**

**Features**
- Boxed coils (bulk, per ft. lengths, and full reels available from Maryland and Texas, call Dixon® at 888.226.4673)
- 304 stainless braided
- Other braids including synthetic, extruded, and heat shrink coverings are available upon request

### True I.D. Open Pitch Convoluted Hose
(fittings not included)

| Size | Working Pressure PSI | Burst Pressure PSI | White, non-conductive Part # | Black, conductive Part # |
|---|---|---|---|---|
| 1/4" | **1740** | **6960** | WOC-T04 | BOC-T04 |
| 3/8" | **1850** | **7400** | WOC-T06 | BOC-T06 |
| 1/2" | **1500** | **6000** | WOC-T08 | BOC-T08 |
| 3/4" | **1300** | **5200** | WOC-T12 | BOC-T12 |
| 1" | **1000** | **4000** | WOC-T16 | BOC-T16 |
| 1-1/4" | **900** | **3600** | WOC-T20 | BOC-T20 |
| 1-1/2" | **700** | **2800** | WOC-T24 | BOC-T24 |
| 2" | **500** | **2000** | WOC-T32 | BOC-T32 |

### Heavy Wall True I.D. Smooth Bore Hose
(fittings not included)

| Size | Working Pressure PSI | Burst Pressure PSI | White, non-conductive Part # | Black, conductive Part # |
|---|---|---|---|---|
| 1/4" | **3000** | **12000** | WTB-T04 | BTB-T04 |
| 3/8" | **2250** | **9000** | WTB-T06 | BTB-T06 |
| 1/2" | **1500** | **6000** | WTB-T08 | BTB-T08 |
| 3/4" | **1100** | **4400** | WTB-T12 | BTB-T12 |
| 1" | **900** | **3600** | WTB-T16 | BTB-T16 |
| 1" | **1650** | **6600** | WTB-T16Z | BTB-T16Z |
| 1-1/4" | **1000** | **4000** | WTB-T20Z | BTB-T20Z |
| 1-1/2" | **1100** | **4000** | WTB-T24Z | --- |

NOTE: For use with PTFE fittings on pages 1016 - 1017

## True I.D. Fittings

Crimp collars for all True I.D. fittings are sold separately



### Female JIC Swivels

| Size | Carbon Steel Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1/4" | FJC-T04 | FJR-T04 |
| 3/8" | FJC-T06 | FJR-T06 |
| 1/2" | FJC-T08 | FJR-T08 |
| 3/4" | FJC-T12 | FJR-T12 |
| 1" | FJC-T16 | FJR-T16 |
| 1-1/4" | FJC-T20 | FJR-T20 |
| 1-1/2" | FJC-T24 | FJR-T24 |
| 2" | FJC-T32 | FJR-T32 |



### Rigid Male Pipe Fittings

| Size | Carbon Steel Part # | 316 Stainless Steel Part # |
|---|---|---|
| 1/4" | MPC-T04 | MPR-T04 |
| 3/8" | MPC-T06 | MPR-T06 |
| 1/2" | MPC-T08 | MPR-T08 |
| 3/4" | MPC-T12 | MPR-T12 |
| 1" | MPC-T16 | MPR-T16 |
| 1-1/4" | MPC-T20 | MPR-T20 |
| 1-1/2" | MPC-T24 | MPR-T24 |



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# True I.D. Fittings

## PTFE Hose Fittings

### Sanitary Tri-Clamps

**Application**
- For use with True I.D. PTFE hoses on page 1016

| Hose Size | Clamp Size | 316 Stainless Steel Part # |
|---|---|---|
| 1/2" | 1" | TCR-T08-16 |
| 1/2" | 1-1/2" | TCR-T08-24 |
| 3/4" | 1-1/2" | TCR-T12-24 |
| 1" | 1" | TCR-T16-16 |
| 1" | 1-1/2" | TCR-T16-24 |
| 1-1/2" | 1-1/2" | TCR-T24-24 |
| 2" | 2" | TCR-T32-32 |



### Mini Sanitary Tri-Clamps

| Size | 316 Stainless Steel Part # |
|---|---|
| 1/2" | TCMR-T08 |
| 3/4" | TCMR-T12 |



NOTE: Contact Dixon® at 888.226.4673 for GSM and PTFE hose assemblies

### Flange Retainers

**Feature**
- For use with lap joint flanges. See pages 955 - 956

| Size | 316 Stainless Steel Part # | 316 Stainless Steel PTFE Encapsulated Part # |
|---|---|---|
| 1/2" | FRR-T08 | --- |
| 3/4" | FRR-T12 | FRRE-T12 |
| 1" | FRR-T16 | FRRE-T16 |
| 1-1/4" | FRR-T20 | FRRE-T20 |
| 1-1/2" | FRR-T24 | FRRE-T24 |
| 2" | FRR-T32 | FRRE-T32 |



# Crimp Collars

### Convoluted Crimp Collars

**Features**
- For True I.D. open pitch convoluted PTFE hose only
- New design for ease of installation and improved appearance of finished crimp

| Size | Carbon Steel Part # | 304 Stainless Steel Part # |
|---|---|---|
| 1/4" | CSC-T04-1 | SSC-T04-1 |
| 3/8" | CSC-T06-1 | SSC-T06-1 |
| 1/2" | CSC-T08-1 | SSC-T08-1 |
| 3/4" | CSC-T12-1 | SSC-T12-1 |
| 1" | CSC-T16-1 | SSC-T16-1 |
| 1-1/4" | CSC-T20-1 | SSC-T20-1 |
| 1-1/2" | CSC-T24-1 | SSC-T24-1 |
| 2" | CSC-T32-1 | SSC-T32-1 |



### Smooth Bore Crimp Collars

**Features**
- For True I.D. smooth bore PTFE hose only
- New design for ease of installation and improved appearance of finished crimp

| Size | Carbon Steel Part # | 304 Stainless Steel Part # |
|---|---|---|
| 1/4" | CSC-T04-2 | SSC-T04-2 |
| 3/8" | CSC-T06-2 | SSC-T06-2 |
| 1/2" | CSC-T08-2 | SSC-T08-2 |
| 3/4" | CSC-T12-2 | SSC-T12-2 |
| 1" | CSC-T16-2 | SSC-T16-2 |
| 1-1/4" | CSC-T20-2 | SSC-T20-2 |
| 1-1/2" | CSC-T24-2 | SSC-T24-2 |



## Spring Guard



**Features**

- Protects hose against the effects of flexing at its most vulnerable point - immediately behind the coupling
- Optional end tang allows end guard to be secured under a clamp or ferrule
- Wire fits most hose O.D.s from 1/2" to 3-1/4"; contact Dixon® for custom sizes or lengths

**With Tang**

| Guard I.D. | Wire Gauge | Overall Length | Tang Length | Approx. # of Coils/Ft. | Galvanized Steel Part # | 304 Stainless Steel Part # |
|---|---|---|---|---|---|---|
| 3/4" | 0.175 | 12" | 1" | 33 | SEGC1-0.75-12 | SEGS1-0.75-12 |
| 1" | 0.175 | 12" | 1" | 33 | SEGC1-1.00-12 | SEGS1-1.00-12 |
| 1-1/4" | 0.175 | 14" | 2" | 39 | SEGC1-1.25-14 | SEGS1-1.25-14 |
| 1-1/2" | 0.175 | 14" | 2" | 39 | SEGC1-1.50-14 | SEGS1-1.50-14 |
| 1-3/4" | 0.175 | 16" | 2" | 44 | SEGC1-1.75-16 | SEGS1-1.75-16 |
| 2" | 0.280 | 16" | 2" | 44 | SEGC1-2.00-16 | SEGS1-2.00-16 |
| 2-1/2" | 0.280 | 18" | 2" | 50 | SEGC1-2.50-18 | SEGS1-2.50-18 |
| 3" | 0.280 | 18" | 2" | 50 | SEGC1-3.00-18 | SEGS1-3.00-18 |



**Without Tang**

| Guard I.D. | Wire Gauge | Overall Length | Approx. # of Coils/Ft. | Galvanized Steel Part # | 304 Stainless Steel Part # |
|---|---|---|---|---|---|
| 3/4" | 0.175 | 12" | 33 | SEGC0-0.75-12 | SEGS0-0.75-12 |
| 1" | 0.175 | 12" | 33 | SEGC0-1.00-12 | SEGS0-1.00-12 |
| 1-1/4" | 0.175 | 14" | 39 | SEGC0-1.25-14 | SEGS0-1.25-14 |
| 1-1/2" | 0.175 | 14" | 39 | SEGC0-1.50-14 | SEGS0-1.50-14 |
| 1-3/4" | 0.175 | 16" | 44 | SEGC0-1.75-16 | SEGS0-1.75-16 |
| 2" | 0.280 | 16" | 44 | SEGC0-2.00-16 | SEGS0-2.00-16 |
| 2-1/2" | 0.280 | 18" | 50 | SEGC0-2.50-18 | SEGS0-2.50-18 |
| 3" | 0.280 | 18" | 50 | SEGC0-3.00-18 | SEGS0-3.00-18 |

## Continuous Spring Guard

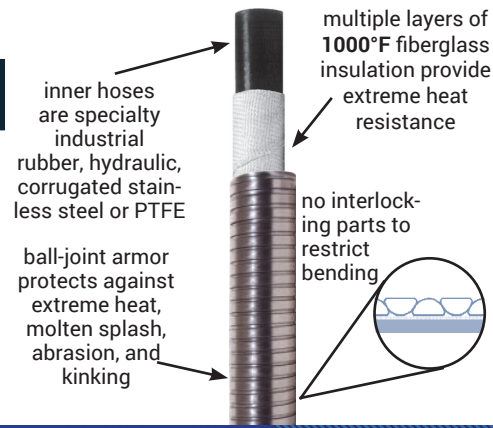


**Features**

- Protects hose from external abrasion and helps resist over-flexing
- Fits tight to hose reducing the potential for snagging
- Contact Dixon at at 888.226.4673 for custom lengths or sizes

| Guard I.D. | Wire Gauge | Overall Length | Approx. # of Coils/Ft. | Galvanized Steel Part # | 304 Stainless Steel Part # |
|---|---|---|---|---|---|
| 3/4" | 0.175" | 25' | 33' | CWG-C-0.75-25 | CWG-S-0.75-25 |
| 1" | 0.175" | 25' | 33' | CWG-C-1.00-25 | CWG-S-1.00-25 |
| 1-1/4" | 0.175" | 25' | 33' | CWG-C-1.25-25 | CWG-S-1.25-25 |
| 1-1/2" | 0.175" | 25' | 33' | CWG-C-1.50-25 | CWG-S-1.50-25 |
| 1-3/4" | 0.175" | 25' | 33' | CWG-C-1.75-25 | CWG-S-1.75-25 |
| 2" | 0.280" | 25' | 33' | CWG-C-2.00-25 | CWG-S-2.00-25 |
| 2-1/2" | 0.280" | 25' | 33' | CWG-C-2.50-25 | CWG-S-2.50-25 |
| 3" | 0.280" | 25' | 33' | CWG-C-3.00-25 | CWG-S-3.00-25 |

## GSM Ball-Joint Armored Hose Assemblies




**Application**

- Includes but not limited to: water cooling hose, oxygen supply hose, hydraulic hose, natural gas hose, black liquor hose, steam hose

**Sizes**

- 1/4" through 16" bore
- Lengths to 120'

**Features**

- Extremely flexible armor protects from heat, slag splash, and harsh environments
- A variety of end connections are available; contact Dixon at 888.226.4673

**Materials**

- Armor: galvanized steel or stainless steel
- Wide selection of inner hoses specific to the demands of the application are industrial, hydraulic, stainless steel, or PTFE

**Specifications**

- Heat resistant insulation to **1000°F**



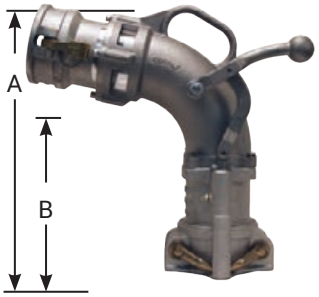
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## Tank Truck Fittings.....1020 - 1052


6200-Series side lever type drop elbows .....1020
6500-Series self-locking drop elbows .....1020
Straight drop fuel delivery connectors .....1021
Fuel delivery elbow inlets and tubes.....1021
Side seal fuel delivery elbows .....1021
Side seal - top seal adapter .....1021
Elbow height extensions.....1022
Tank cabinet weld-on adapters .....1022
Dual point vapor recovery elbows - ball lever .....1022
Single point coaxial drop elbow .....1023
Coaxial elbow fuel inlets.....1023
Tight fill drop elbows - complete unit.....1024
Tight fill drop elbow coupler body.....1024
Tight fill male adapter inlet end.....1024
TTMA flange gaskets.....1025
Sight flow indicators.....1025
TTMA flanged short sight flow indicators.....1025
TTMA flanged sight flow indicators..... 1025 - 1026
Sight flow indicator repair kits .....1026
TTMA flange screen.....1026
Reelcraft® static discharge reel.....1027
TFA series fill pipe adapter.....1028
Fuel delivery tank adapters .....1028
Vapor recovery tank adapters .....1028
API drop adapters .....1029
API dust caps .....1029
Gravity drop adapter dust caps.....1030
Dixon® bayco adapter with grounding tab .....1030
Dixon bayco coupler with grounding tab .....1030
Fuel gaskets .....1030
Tank truck flanged tee .....1031
TTMA series flange adapters .....1031
TTMA flange spacer with 1/2" port.....1032
TTMA flange extensions.....1032
Cam & groove adapter x TTMA flange .....1032
Cam & groove coupler x TTMA flange .....1032
Cam & groove 22-1/2° adapter x TTMA flange.....1032
Cam & groove 22-1/2° coupler x TTMA flange .....1032
Dixon vapor recovery couplers .....1033
Dixon vapor recovery .....1034
EZ Boss-lock® vapor recovery coupler x TTMA flange.....1034
Vapor caps.....1035
Automatic pressure / vacuum relief caps .....1035
Standard vent caps for stationary tanks .....1036
Fuel delivery adapter cap .....1036
Tank transport equipment.....1037
Intermodal tank transport .....1038
Ball nozzles for bulk delivery.....1041
Gravity utility nozzles.....1042
Pressure nozzles for bulk delivery .....1042
Large capacity low pressure / gravity nozzle.....1043
Diesel and gasoline nozzle accessories.....1043
Hose shank hose swivels .....1044
Heavy duty hose swivels .....1044
Dixon MannTek hose swivels .....1044
Dixon diesel and gasoline nozzles accessories.....1045
FuelMaster™ diesel nozzles.....1046
Big Mouth™ diesel nozzles .....1047
Farm and consumer nozzles .....1048
DEF automatic shutoff nozzle.....1049
High flow fueler 100™ nozzles.....1049
Dixon MannTek full flow ball valves..... 1050 - 1051
Betts wet-r-dri™ butterfly valves.....1052


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## 6200-Series Side Lever Type Drop Elbows



side lever with 4" coupler inlet


side lever without inlet connection

**Materials**

- Cast aluminum modular construction
- Handle and cam arms: brass with nitrile rubber gasket
- Bolts on inlet end: stainless steel
- Sight glass: acrylic with nitrile rubber seals
- For information on additonal elbow configurations such as pre-assembled elbows, contact Dixon®

| Size | Inlet | A Overall Height | B Ground Clearance | Aluminum Part # |
|---|---|---|---|---|
| 4" | elbow only, without inlet connection | 17-3/4" | 10-7/8" | 6200 |
| | elbow with 3" adapater inlet | | | 6200C |
| | elbow with 4" adapter inlet | | | 6200A |
| | elbow with 3" coupler inlet | | | 6200B |
| | elbow with anti-spill sleeve, without inlet connection | | | 6200T |
| | elbow with 4" adapter inlet and anti-spill sleeve | | | 6200AT |
| | elbow with 4" coupler inlet | | | 6200D |
| | tall elbow only, without inlet connection | 21" | 13-3/4" | 6200X |
| | tall elbow with 3' adapter inlet | | | 6200XC |
| | tall elbow with 4" adapter inlet | | | 6200XA |
| | tall elbow with 3" coupler inlet | | | 6200XB |
| | tall elbow with anti-spill sleeve, without inlet connection | | | 6200XT |
| | tall elbow with 4" adapter inlet and anti-spill sleeve | | | 6200XAT |
| | tall elbow with 4" coupler inlet | | | 6200XD |

## 6500-Series Self-Locking Drop Elbows


no inlet

| Size | Inlet | A Overall Height | B Ground Clearance | Aluminum Part # |
|---|---|---|---|---|
| 4" | tightfill elbow with locking handle | 17-3/4" | 10-7/8" | 6500 |
| | tightfill elbow with 3" inlet adapter | | | 6500C |
| | tightfill elbow with locking handle and 4" adapter inlet | | | 6500A |
| | tightfill elbow with 3" coupler inlet | | | 6500B |
| | tightfill elbow with 4" coupler inlet | | | 6500D |
| | tightfill elbow with locking handle and anti-spill sleeve, without inlet connection | | | 6500T |
| | tightfill elbow with locking handle, 4" inlet adapter and anti-spill sleeve | | | 6500XAT |
| | tall full feature elbow, without inlet connection | 21" | 13-3/4" | 6500X |
| | tall full feature elbow with 3" inlet adapter | | | 6500XC |
| | tall full feature elbow with 4" inlet adapter | | | 6500XA |
| | tall full feature elbow with 3" coupler inlet | | | 6500XB |
| | tall full feature elbow with 4" coupler inlet | | | 6500XD |
| | tall full feature elbow with locking handle, no inlet, with anti-spill sleeve | | | 6500XT |
| | tall elbow with locking handle, 4" inlet adapter and anti-spill sleeve | | | 6500XAT |
| 3" | 3" tight fill elbow with 4" inlet adapter | 15" | 9-1/2" | 6530A |
| | 3" tightfill elbow with 3" coupler inlet | | | 6530B |
| 4" | 3" tight fill elbow with 3" inlet adapter | | | 6530C |
| 3" | 3" tightfill elbow with 4" coupler inlet | | | 6530D |
| | 3" tightfill elbow with 4" inlet adapter and locking handle | | | 6530LA |
| | tightfill elbow main gasket 3" | --- | --- | 112449 |

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## Straight Drop Fuel Delivery Connectors

| Inlet Size | Outlet | Overall height | Part # |
|---|---|---|---|
| 3" | 4" top seal | 17-5/8" | 6303 |
| 4" | | 16-3/16" | 6304 |
| 3" | | 19-3/4" | 6303NPT |
| 4" | | 19-3/16" | 6304NPT |



## Fuel Delivery Elbow Inlets and Anti-Spill Tubes

### Male Adapters

| Inlet Size | Aluminum Part # |
|---|---|
| 3" | 6000-16 |
| 4" | 6000-17 |



### Female Couplers

| Inlet Size | Aluminum Part # |
|---|---|
| 3" | 6000-15 |
| 4" | 6000-14 |



### Female NPT

| Inlet Size | Aluminum Part # |
|---|---|
| 4" | 6000-20 |



### Anti-Spill Sleeves

| Description | Part # |
|---|---|
| anti-spill tube for 6200 and 6500 | 6200-17 |
| tall anti-spill tube for 6200 and 6500 | 6200X-17 |



## Side Seal Fuel Delivery Elbows

| Inlet Size | Description | Part # |
|---|---|---|
| --- | side seal elbow without inlet connection | 6000AS |
| 3" | side seal elbow with 3" inlet adapter | 6000ASC |
| 4" | side seal elbow with 4" inlet adapter | 6000ASA |
| 3" | side seal elbow with 3" coupler inlet | 6000ASB |
| 4" | side seal elbow with 4" coupler inlet | 6000ASD |
| --- | side deal elbow without inlet connection, with anti-spill sleeve | 6000AST |
| 4" | side deal elbow with 4" inlet adapter, with anti-spill sleeve | 6000ASAT |
| 4" | side seal elbow with 4" inlet adapter, with locking ring | 6000ASAL |
| --- | optional add on locking ring prevents lever from moving | 6000ASR |



## Side Seal to Top Seal Adapters

**Application**
- Allows conventional elbows to be used with special side seal style fill collars

**Features**
- Bottom connects to side seal fill collar
- Top section with standard 4" top seal collar profile accepts clamping of standard 4" drop elbows
- Replacement parts are available; contact Dixon

| Size | Aluminum Part # |
|---|---|
| 4" | 6000-SSA |



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## Elbow Height Extensions



| Description | Part # |
|---|---|
| 3" height extension kit for 6200, 6500, VR6000, and VR6500 elbows. Kit includes: body and stem extensions, (4) stainless steel nuts and bolts and stem pin | 6000EXT |
| 3" height extension kit for 6400 co-axial elbows. Kit includes: body and stem extensions, (4) stainless steel nuts and bolts, stem pin, and replacement vapor tube | 6400EXT |

## Tank Cabinet "Dummy" Weld-on Adapters



| Description | Part # |
|---|---|
| 4" fuel delivery - cabinet weld-on adapter blank | AL4051-BORE |

## Dual Point Vapor Recovery Elbows - Ball Lever

### Application

- For use in two-point vapor recovery systems

### Features

- One-piece locking arms
- Advanced design side lever locking system
- Bolt on 3" male outlet included (VR6000-6), which can be rotated for extended life
- Lubrication fitting on locking stem
- See below for 6400-series co-axial elbow for single point vapor recovery



### Materials

- Seals: nitrile rubber
- Hardware: stainless steel
- Bronze locking arms housed in polymer bushings

| Description | Aluminum Part # |
|---|---|
| 3" male adapter outlet, without poppet valve | VR6000NP |
| 3" male adapter outlet, without poppet valve | VR6100NP |
| ball lever handle, without adapter outlet, without poppet valve | VR6200NPBU |
| 3" male adapter with probe, without poppet valve | VR6200NP |
| 3" male adapter outlet with probe and poppet valve | VR6200 |
| 3" male adapter outlet, ball lever handle, without poppet valve | VR6200PNP |
| 4" male adapter outlet, ball lever handle, without poppet valve | VR6200ANP |
| 3" male coupler outlet, ball lever handle, without poppet valve | VR6200NPB |
| 3" male coupler outlet, ball lever handle, without poppet valve | VR6200NPBP |
| 4" male coupler outlet, ball lever handle, without poppet valve | VR6200NPDP |
| 3" male adapter outlet, heavy duty ball valve and poppet valve | VR6500 |
| 3" male adapter outlet, heavy duty ball valve, without poppet valve | VR6500NP |
| 3" male adapter outlet, heavy duty ball lever locking handle, without poppet valve | VR6500LPNP |

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### Adapter Inlet

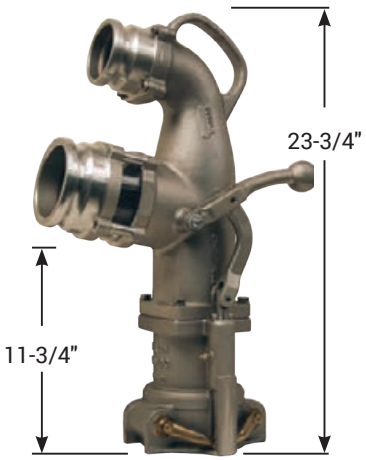


| Description | Aluminum Part # |
|---|---|
| outlet adapter with outlet O-ring | VR6000-6 |
| replacement 4" adapter outlet, for elbows without poppets | 6000-17 |
| replacement 3" coupler outlet, for elbows without poppets | 6000-15 |

## Single Point Coaxial Drop Elbow

**Application**
- For single point vapor recovery only

**Features**
- 3" male vapor outlet (top)
- Comes assembled with 4" male inlet
- Bolt-on inlets/outlets for easy, fast replacement
- Replacement parts are available; please contact Dixon®
- 6400 co-axial inlets do not fit our other elbow series




**Materials**
- Arms: solid bronze
- Sight glass: acrylic
- Seals: nitrile rubber

| Inlet | Outlet | Aluminum Part # |
|---|---|---|
| 3" adapter fuel | 3" male vapor | 6430 |
| 3" coupler fuel | | 6430F |
| 4" adapter fuel | | 6400 |
| 4" coupler fuel | | 6400F |
| 4" coupler fuel | 3" male NPT vapor | 6400FNPT |
| 3" adapter fuel | 3" male vapor | 6430X |
| 3" coupler fuel | | 6430XF |
| 4" adapter fuel | | 6400X |
| 4' coupler fuel | | 6400XF |
| 4" coupler fuel | 3" male NPT vapor | 6400XFNPT |

## Coaxial Elbow Fuel Inlets

### Adapters

**Application**
- For use with 6400-series coaxial elbows only

**Feature**
- Rated for petroleum service, Ethanol to E100, and biodiesel to B20



| Size | Aluminum Part # |
|---|---|
| 3" | 6000-16C |
| 4" | 6000-17C |

### Couplers

**Application**
- For use with 6400-series coaxial elbows only

**Feature**
- Rated for petroleum service, Ethanol to E100, and biodiesel to B20



| Size | Aluminum Part # |
|---|---|
| 3" | 6000-15C |
| 4" | 6000-14C |

### Vapor Outlets



| Size | Aluminum Part # |
|---|---|
| 3" | 6000-4 |



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## Tight Fill Drop Elbows - Complete Unit



**Materials**
- Body: aluminum
- Handle and cam arms: brass
- Gasket: nitrile rubber
- Bolts on inlet end: steel
- Sight flow insert: plexiglass

| Coupler Size | Inlet | Aluminum Part # |
|---|---|---|
| 3" | 3" male adapter | 300300MAE |
| | 4" male adapter | 3004030MAE |



## Tight Fill Drop Elbow Coupler Body

| Size | Aluminum Part # |
|---|---|
| 3" | 300-TFG |



## Tight Fill Male Adapter Inlet Ends

| Inlet | Aluminum Part # |
|---|---|
| 3" | 300-MAE |
| 4" | 4030-MAE |



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## TTMA Flange Gaskets

| Size | O.D. | I.D. | Thick. | Material | Part # |
|---|---|---|---|---|---|
| 2" | 4-1/2" | 2-5/8" | 1/8" | Baylast™ | 200GTTFBL |
| 3" | 5-5/8" | 3-1/2" | 1/8" | Cork / Nitrile rubber | 300GTTFCB |
| | 5-5/8" | 3-1/2" | 1/16" | PTFE envelope with Klinger filler | 300GTTFTK |
| | 5-5/8" | 3-1/2" | 1/8" | Klingersil® C-4300 | 300GTTFK |
| | 5-29/32" | 3-1/2" | 3/32" | PTFE with fiber core | 40321TF |
| | 7-1/4" | 5" | 5/32" | PTFE with soft fiber core | 40364TF |
| | 7-1/4" | 5" | 1/8" | Baylast | 40364BL |
| | 5-5/8" | 3-5/8" | 1/8" | Baylast | 300GTTFBL |
| 4" | 6-5/8" | 4-9/16" | 1/8" | Cork / Nitrile rubber | 400GTTFCB |
| | 6-5/8" | 4-9/16" | 1/16" | PTFE envelope with Klinger filler | 400GTTFTK |
| | 6-5/8" | 4-9/16" | 1/8" | Klingersil C-4401 | 400GTTFK |
| | 6-7/8" | 4-9/16" | 3/32" | PTFE with fiber core | 40322TF |
| | 8-3/8" | 5-7/8" | 5/32" | PTFE with soft fiber core | 40323TF |
| | 8-1/4 | 5-7/8 | 1/8" | Baylast | 40323BL |
| | 6-5/8" | 4-5/8" | 1/8" | Baylast | 400GTTFBL |



NOTE: For flange dimensions, diagrams and additional information please reference dixonvalve.com.

## Sight Flow Indicators

**Features**
- Due to the proprietary blending of petroleum products, Dixon® recommends that thermoplastic tubing and gaskets be immersion tested in the product to be handled to ensure compatibility (not compatible with crude oil)
- For dimensional information on tank truck flange drilling reference dixonvalve.com

**Specification**
- Maximum flange bolt torque is 200 in. lbs.

## TTMA Flanged Short Sight Flow Indicators

**Features**
- Durable cast aluminum housing, replaces competition's all-acrylic sight glass as commonly found on tank trucks
- Allows for visual identification of the fuel grade prior to opening the valve
- Works with tank truck flanged butterfly valves found on gasoline trucks
- Low cost sight glass tube can be easily replaced

**Specification**
- Rated to **150 PSI**



| Size | Width | Aluminum Part # |
|---|---|---|
| 3" | 1-3/4" | 5200-SFI-3 |
| 4" | 1-3/4" | 5200-SFI |

## TTMA Flanged Sight Flow Indicators

**Application**
- Allows for visual identification of the fuel grade prior to opening the valve

**Features**
- Works with tank truck flanged butterfly valves found on gasoline trucks
- Larger I.D. 4-3/8" flow indicator allows tank truck flanged butterfly valves to connect to either end of the indicator

**Specification**
- Pressure rating: **150 PSI**



| Size | Width | I.D. | Aluminum Part # |
|---|---|---|---|
| 4" | 3-1/4" | 4-3/8" | 5201-SFI |

**Application**
- Allows for visual identification of the fuel grade prior to opening the valve

**Specification**
- 4" flow diameter



| Size | I.D. | Aluminum Part # |
|---|---|---|
| 4" | 4-3/8" | 4-1460-AL |

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## TTMA Flanged Sight Flow Indicators



| Size | Nominal Width | Acrylic Part # |
|---|---|---|
| 3" | 1-3/4" | TT3ASG |
| 4" | | TT4ASG |
| 3" | | TT3ASG-ETH[1] |
| 4" | | TT4ASG-ETH[1] |

### Optically Enhanced Sight Glass

| Size | Nominal Width | Acrylic Part # |
|---|---|---|
| 3" | 1-3/4" | TT3ASGOE |
| 4" | | TT4ASGOE |
| 3" | | TT3ASG-ETHOE[1] |
| 4" | | TT4ASG-ETHOE[1] |

[1] For use with ethanol

NOTE: For flange dimensions, diagrams and additional information please reference dixonvalve.com.

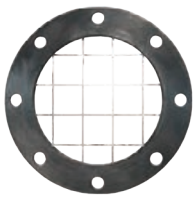
## Sight Flow Indicator Repair Kits



5200-SFIV-RK1

| Description | Used on | Part # |
|---|---|---|
| 3" replacement sight glass, Baylast™ O-ring, and retainer ring kit | --- | 5200-SFI-3-RK1 |
| 3" replacement sight glass, FKM O-ring, and retainer ring kit | --- | 5200-SFI-3V-RK1 |
| 4" replacement sight glass, Baylast O-ring, and retainer ring kit | --- | 5200-SFI-RK1 |
| 4" replacement sight glass, FKM O-ring, and retainer ring kit | --- | 5200-SFIV-RK1 |
| replacement Baylast O-rings, sight glass and retaining ring | 5201-SFI | 5201-SFI-RK1 |
| nitrile rubber O-ring | --- | O249BU |
| plexiglass insert | 4-1460-AL | 4PSG |
| nitrile rubber O-ring | 4-4160-AL | O246BU |

## TTMA Flange Screen



**Material**

- Stainless steel screen is encapsulated in an FKM gasket

| Male NPT | Description | Stainless Steel Part # |
|---|---|---|
| 2" | screen with 1" square holes | TTFS4SS |

NOTE: For flange dimensions, diagrams and additional information please reference dixonvalve.com.

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# Reelcraft® Static Discharge Reel



## Application

- Used to ground equipment in hazardous atmospheres, such as fuel trucks or carts transferring flammable materials; when properly clamped to ground, the static discharge reel dissipates static electrical buildup, reducing the chances of sparking and the potential for explosion

## Features

- Supplied with a 3/32" O.D. steel aircraft cable
- DC resistance is approximately one ohm per 50' of steel cable

| Description | Stranded Steel Part # |
|---|---|
| single 7" x 7" stranded steel | G3050 |



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## TFA Series Fill Pipe Adapter



**Application**
- For use with 3" drop elbows (300-TFG)

| Adapter Size | Female NPT | Aluminum Hardcoat Part # | Optional Qty |
|---|---|---|---|
| 3" | 3" | 300-TFA | 10 |

## Fuel Delivery Tank Adapters



with NPSM thread



with NPT thread

**Application**
- For use with 4" drop and co-axial elbows (6200, 6400 and 6500 series)

**Specification**
- BZ4051S has NPSM thread and is supplied with a gasket

| Adapter Size | Female Thread | Height | Bronze Part # | Optional Qty |
|---|---|---|---|---|
| 4" | 4" NPSM | 2-3/8" | BZ4051S | 5 |
| | 4" NPT | 3-1/2" | BZ4051 | 5 |

## Vapor Recovery Tank Adapters



**Application**
- For use with dual point vapor elbows (VR6200 series)

**Features**
- Can also be used as vapor valve on tanker but does not have air interlock mount
- Poppeted vapor collar at station vapor outlet
- Low profile design
- Replacement parts are available; contact Dixon® for more information

| Adapter Size | Female Thread | Height | Material | Part # | Optional Qty |
|---|---|---|---|---|---|
| 4" | 4" NPT | 3-5/8" | bronze | VR4086 | 5 |
| | | | ZN-AL alloy | VR4086-BY | 5 |

# API Drop Adapters

**Application**

- For offloading through an API adapter

| Adapter Size | Coupler Size | Description | Aluminum Part # |
|---|---|---|---|
| 3" | 4" API | with Baylast™ O-ring seal | 4530 |
| | | with nitrile rubber flat gasket | 4530G |
| 4" | | with Baylast O-ring seal | 4540 |
| | | with nitrile rubber flat gasket | 4540G |
| | | with nitrile rubber O-ring seal | 4540F |



## API Drop Adapters with Sight Glass

| Adapter Size | Coupler Size | Description | Aluminum Part # |
|---|---|---|---|
| 3" | 4" API | with inline sight glass and Baylast flat gasket | 4530SG |
| 4" | | with inline sight glass and Baylast flat gasket | 4540SG |



## API Gravity Drop Adapters

| Adapter Size | Coupler Size | Description | Aluminum Part # |
|---|---|---|---|
| 3" | 4" API | with flat nitrile rubber gasket | 31440-225AL |
| 4" | | with flat nitrile rubber gasket | 41440-225AL |



## API Drop Adapter Repair Kits

| Description | Part # |
|---|---|
| replacement cam arms, pins, and Baylast O-ring seal (standard) | 4500RK |
| replacement cam arms, pins, and FKM O-ring seal (optional) | 4500RK-V |
| replacement 18" chain and S hook | 5205-RK4 |
| sight glass repair kit (fits 3" and 4") | 4540SG-RK1 |
| flat replacement Baylast gasket for 4530SG, 4540SG | 4540SG-RK2 |
| replacement cam arms and pins (fits 3" and 4") | 4540SG-RK3 |
| Baylast O-ring replacement seal for 4530, 4540, 5000-24 | 4500-5 |
| flat nitrile rubber gasket for 4530G, 4540G | 112054 |
| flat replacement gasket for 31440-225AL, 41440-225AL, 41450-DCAL | 2143SEALBU |



4540SG-RK1

# API Dust Caps

| Size | Description | Aluminum Part # | Optional Qty |
|---|---|---|---|
| 4" API | with flat nitrile rubber gasket and brass cam arms | 41450-DCAL | 5 |
| | with O-ring Baylast seal and brass cam arms | 5000-24 | 10 |
| | with locking arms | 5000-24L | 1 |



with cam arms

| Adapter Size | Description | Nylon Part # | Optional Qty |
|---|---|---|---|
| | with flat nitrile rubber seal and plated steel pad | | |



S

## Gravity Drop Adapter Dust Caps



4540DC



4540DC-1200

**Application**
- Designed to fit on any 4" cam and groove adapter, specifically 4" gravity drop adapters

**Features**
- Reduce weight
- Easy pull off / push on operation
- NOT intended to be pressurized

**Material**
- Nitrile rubber gasket

| Size | Black Nylon Part # |
|---|---|
| 4" | 4540DC |
| | 4540DC-1200[1] |

[1] Supplied with chain

## Dixon Bayco® Adapter with Grounding Tab



| Size | Description | 356T6 Aluminum Part # |
|---|---|---|
| 4" | male adapter with grounding tab | 400-E-ALGT |

## Dixon Bayco Coupler with Grounding Tab



| Size | Description | 356T6 Aluminum Part # |
|---|---|---|
| 4" | female coupler with grounding tab | 400-C-ALGT |

## Fuel Gaskets



| Size | Material | Part # |
|---|---|---|
| 1-1/2" | nitrile rubber | 150-G-BF |
| 2" | nitrile rubber | 200-G-BF |
| 3" | nitrile rubber | 300-G-BF |
| 4" | nitrile rubber | 400-G-BF |
| 3" | extra thick nitrile rubber | 300GTHKBF |
| 4" | extra thick nitrile rubber | 400GTHKBF |

## Tank Truck Flanged Tee

| Size | 356T6 Aluminum Part # |
|---|---|
| 4" | 400-TLT-AL |



## TTMA Series Flange Adapters

**Application**
- Simply and easily converts threaded components to a standard TTMA flange configuration

**Features**
- Solid cast lightweight aluminum design is more durable than welded fabrications
- Design improves flow through adapter
- Compact size reduces the overall space needed to install

### TTMA Flange x Male NPT Adapters

| TTMA Flange | Male NPT | Overall Length | Aluminum Part # |
|---|---|---|---|
| 3" | 3" | 2-1/2" | TTF3AL-3MT |
| 4" | 3" | 2-1/2" | TTF4AL-3MT |
| 4" | 4" | 2-1/2" | TTF4AL-4MT |



### TTMA Flange x Extended Length Male NPT Adapters

| TTMA Flange | Male NPT | Overall Length | Aluminum Part # |
|---|---|---|---|
| 4" | 3" | 5-1/2" | TTF4AL-3EMT |
| | 4" | 5-1/2" | TTF4AL-4EMT |



### TTMA Flange x Female NPT Adapters

| TTMA Flange | Female NPT | Overall Length | Aluminum Part # |
|---|---|---|---|
| 4" | 3" | 2-1/2" | TTF4AL-3FT |
| | 4" | 2-1/2" | TTF4AL-4FT |



### TTMA Slip-on Socket Weld Flange

| TTMA Flange | Pipe Size | 356T6 Aluminum Part # |
|---|---|---|
| 4" | 4" | TTF400SP |



### TTMA Slip-on Plate Flange

| TTMA Flange | Pipe Size | Aluminum Part # |
|---|---|---|
| 4" | 4" | TTMA-64 |



### TTMA Buttweld Flanges

| TTMA Flange | Pipe Size | Thickness | Aluminum Part # |
|---|---|---|---|
| 3" | 4" | 3/8" | TTF3AL |
| 4" | 4" | 3/8" | TTF4AL |



NOTE: For flange dimensions, diagrams and additional information please reference dixonvalve.com.

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## TTMA Flange Spacer with 1/2" Port



| Size | Description | Aluminum Part # |
|---|---|---|
| 4" | flange spacer with 1/2" female NPT port | TTFS4AL-FP50 |

## TTMA Flange Extensions



TETF4AL



TETFG4AL

**Application**
- Used on load arms to connect an API load coupler to a load arm

**Features**
- Adds a 6" space between the load arm and the tank truck
- Extension with groove provides a specified parting point to prevent excessive damage to the loading arm

| Size | Description | Aluminum Part # |
|---|---|---|
| 4" | TTMA flange extension | TETF4AL |
| 4" | TTMA flange extension with groove | TETFG4AL |
| 4" | TTMA flange extension with 1/2" female NPT port | TETF4ALFP50 |

NOTE: For flange dimensions, diagrams and additional information please reference dixonvalve.com.

## Cam & Groove Adapters x TTMA Flange



**Features**
- Aluminum flanges have a flat face; stainless flanges have a raised face
- Reference dixonvalve.com for flange drilling standards
- Pressure rating is based on the seal of the mating part, see ratings on pages 20, 26

| Size | 356T6 Aluminum Part # | 316 Stainless Steel Part # |
|---|---|---|
| 2" x 3" | 2030-ALT-AL | --- |
| 3" | 300-ALT-AL | 300-ALT-SS[1] |
| 3" x 4" | 3040ALTAL | --- |
| 4" | 400-ALT-AL | 400-ALT-SS[1] |
| 6" | 600-ALT-AL | --- |

[1] Parts are produced as a welded fabrication

## Cam & Groove Couplers x TTMA Flange



**Features**
- Supplied standard with a nitrile rubber gasket; other gaskets available on pages 68 - 71
- Use Dixon® replacement handles only

| Size | 356T6 Aluminum Part # |
|---|---|
| 3" | 300-DLT-AL |
| 3" x 4" | 3040DLTAL |
| 4" | 400-DLT-AL |
| 6" | 600-DLT-AL |

NOTE: For flange dimensions, diagrams and additional information please reference dixonvalve.com.

## Cam & Groove 22-1/2° Adapters x TTMA Flange



**Feature**
- Pressure rating is based on the seal of the mating part, see ratings on pages 20, 26

| Size | 356T6 Aluminum Part # |
|---|---|
| 3" | 30022ALTAL |
| 4" | 40022ALTAL |

## Cam & Groove 22-1/2° Couplers x TTMA Flange



**Features**
- Supplied standard with a nitrile rubber gasket; other gaskets available on pages 68 - 71
- Use Dixon replacement handles only

| Size | 356T6 Aluminum Part # |
|---|---|
| 4" | 40022DLTAL |



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# Dixon® Vapor Recovery Couplers

## Application
- Not intended for liquid service, for vapor recovery only

## Materials
- Body: cast aluminun
- Arms: bronze with stainless steel pins
- Finger rings: plated carbon steel
- Gasket: nitrile rubber

### Coupler with Probe x Adapter

| Coupler Size | Adapter Size | 356T6 Aluminum Part # |
|---|---|---|
| 4" | 3" | 4030-DAVR-AL |



### Coupler with Probe x Coupler with Probe

| Coupler Size | Coupler Size | 356T6 Aluminum Part # |
|---|---|---|
| 4" | 4" | 400-DDVR-AL |



### Couplers with Probe x Hose Shank

## Applications
- For use with 3" vapor hose
- Not intended for liquid service, for vapor recovery only

## Features
- VR4030CS-AL has an FKM O-ring poppet seal
- Dixon replacement handle assemblies will not work on these fittings, contact Dixon for replacements



VR4030CS-AL

## Materials
- Cast aluminum body
- Arms: bronze
- Pins and finger rings: stainless steel
- Gasket: nitrile rubber

| Coupler Size | Hose Shank Size | Description | Part # |
|---|---|---|---|
| 3" | 3" | --- | VRC3000AL |
| 4" | 2" | --- | 4020-CVR-AL |
| 4" | 3" | no poppet | 4030-CVR-AL |
| 4" | 3" | poppet | VR4030CS-AL[1] |
| 4" | 3" | floating bridge poppet | VR4030CS-SH[2] |
| 4" | 4" | no poppet | 400-CVR-AL |
| 4" | 4" | floating bridge poppet | VR4040CS-AL[2] |



VRC.3000AL

[1] Interchanges with all competitor vapor valves *except* Civacon #633LVH (special bulb design).

[2] Superior interface with air interlock



4030-CVR-AL

### Repair Kits

| Description | Part # |
|---|---|
| seal repair kit: gasket, machine screw, and FKM O-ring | VR4040CSRK1 |
| cam arm repair kit: paddle arm and cam arm pin | VR4040CSRK2 |

S

# Dixon® Vapor Recovery



VR4030CS-AL45



VR4040CS-AL

## Couplers

**Application**
- Not intended for liquid service, for vapor recovery only

**Features**
- 'Floating bridge' poppet design allows optimal flow
- Machined hose shank ensures easier insertion into hose and better sealing
- Durable, easy-to-couple stainless cam arms
- Big wings ensure contact with air interlock button on tanker, helping prevent drive-offs
- Change poppet seal without removing the coupler from the hose
- Secure to hose with traditional band clamps or built in crimp collar
- 4" MNPT version allows for either cam and groove or threaded flange option

**Material**
- Seal: Nitrile rubber and FKM

| Coupler Size | Description | Aluminum Part # |
|---|---|---|
| 4" | 4" coupler x 4" hose shank | VR4040CS-AL |
| | 4" coupler x 3" 45° hose shank | VR4030CS-AL45 |
| | 4" coupler x 4" 45° hose shank | VR4040CS-AL45 |
| | 4" coupler x 4" 45° hose shank swivel | VR4040CS-ALS45 |
| | 4" coupler x 4" MNPT connection | VR4040CS-4MNPT |
| | 4" coupler x 3" hose shank | VR4030CS-SH |

## Bayloc Vapor Coupler with Locking Handle



DBC62LVPR-300

**Application**
- For use in petroleum loading terminals

**Materials**
- Body: aluminium
- Seals: FKM

**Specification**
Maximum operating pressure: **120 PSI**

| Size | Part # |
|---|---|
| 3" | DBC62LVPR-300 |

NOTE: Must be used with a 4100FNG series check valve

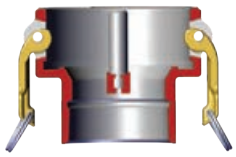


VRHK

## Repair Kits

| Description | Part # |
|---|---|
| handle kit | VRHK |
| compact handle kit | VRHK-C |
| seal repair kit | VR4040CSRK1 |
| cam arm repair kit | VR4040CSRK2 |





## Couplers x Female NPT

**Application**
- Not intended for liquid service, for vapor recovery only

**Materials**
- Body: cast aluminum
- Arms: bronze with stainless steel pins
- Finger rings: plated carbon steel
- Gasket: nitrile rubber

| Coupler Size | Female NPT Size | 356T6 Aluminum Part # |
|---|---|---|
| 4" | 3" | 4030-DVR-AL |
| | 4" | 400-DVR-AL |

S

# EZ Boss Lock® Vapor Recovery Coupler with Probe x TTMA Flange

New



**Materials**
- Body: 356T6 aluminium
- Arms: stainless steel EZ Boss-Lock
- Gasket: nitrile rubber

| Coupler Size | Flange Size | 356T6 Aluminum Part # |
|---|---|---|

# Vapor Caps

## Aluminum

**Features**
- Special locking cap for underground tank vapor outlet VR4086 and tanker vapor valves
- Painted vapor recovery orange



**Material**
- Bronze cam arms

| Size | Aluminum Part # |
|---|---|
| 4" | VR4050AL |

## Nylon

**Features**
- Centered 'T' handle allows for one-handed use and provides a solid locking mechanism
- Strong and lightweight
- Built-in locking feature
- Corrosion resistant materials
- Vapor recovery orange
- Replacement parts are available; contact Dixon® for more information



| Size | Nylon Part # |
|---|---|
| 4" | VR4050PL |

# Automatic Pressure / Vacuum Relief Caps

**Features**
- Normally closed; stops fuel evaporation and airborne contaminants
- Lockable
- Relieves pressure and vacuum buildup in fuel tanks

NOTE: Pressure/vacuum relief caps should be routinely inspected to ensure correct operation and particularly to ensure that the relieving components are free to move and that the air flow path is unblocked.

## For stationary fuel tanks

**Feature**
- Relieves vacuum at .7 Hg (**.33 PSI**) and pressure at **2 PSI**, 20 SCFM flow



| Male NPT | Zinc Part # |
|---|---|
| 2" | 2000L |
| 2-1/2" | 2500L |

## For mobile fuel tanks

**Feature**
- Relieves vacuum at .33 Hg and pressure between **7.5 - 9 PSI**



| Male NPT | Zinc Part # |
|---|---|
| 2" | 200-PV-9 |

## Standard Vent Caps for Stationary Tanks



**Features**
- Allows venting of tank to atmosphere at all times
- Also referred to as a breather cap
- Does not have pressure or vacuum valves

| Male NPT | Aluminum Part # |
|---|---|
| 2-1/2" | 2500SFV |

## Fuel Delivery Adapter Cap



**Features**
- Single action locking cap
- Replacement parts are available; contact Dixon® for more information

**Material**
- Bronze cam arms

| Size | Aluminum Part # | Optional Qty |
|---|---|---|
| 4" | SA4050AL | 10 |

# Tank Transport Equipment

## Fusible Pipe Caps

| Size | Stainless Steel[1] Part # | Aluminum Part # | Iron Part # | Optional Qty |
|---|---|---|---|---|
| 3" | 300-SFC-SS | 300-SFC-AL | 300-SFC-MI | 10 |

NOTE: Female NPSM threaded
[1] PTFE gaskets are standard in stainless steel fittings.



## Pipe Caps

| Size | Stainless Steel[1] Part # | Aluminum Part # | Iron Part # | Optional Qty |
|---|---|---|---|---|
| 2" | 200-PC-SS | --- | 200-PC-MI | --- |
| 3" | 300-PC-SS | 300-PC-AL | 300-PC-MI | 10 |
| 4" | 400-PC-SS | --- | --- | --- |

[1] PTFE gaskets are standard in stainless steel fittings.



## Reducers

| Female NPSM | Male NPT | Stainless Steel[1] Part # | Aluminum Part # | Iron Part # | Optional Qty |
|---|---|---|---|---|---|
| 3" | 2" | 3020-RD-SS | 3020-RD-AL | 3020-RD-MI | 10 |
| 4" | 3" | 4030-RD-SS[2] | 4030-RD-AL | --- | --- |

[1] PTFE gaskets are standard in stainless steel fittings.
[2] welded fabrication



## Reducing Cap

| Size | Stainless Steel[1] Part # | Optional Qty |
|---|---|---|
| 3" x 1" | 3010-RC-SS | 10 |

NOTE: Female NPSM x Female NPT
[1] PTFE gaskets are standard in stainless steel fittings.



## Coupling Gaskets

| Size | Nitrile Rubber Part # | Opt Qty | PTFE Part # | Opt Qty |
|---|---|---|---|---|
| 1-1/2" | --- | -- | 150GPCTF | -- |
| 2" | 200GPCBU | 25 | 200GPCTF | 10 |
| 3" | 300GPCBU | 25 | 300GPCTF | 25 |
| 4" | --- | -- | 400GPCTF | -- |



Nitrile Rubber



PTFE

S

## Intermodal Tank Transport



### Pipe Caps

| Size | Aluminum Part # | Stainless Steel[1] Part # | Optional Qty |
|---|---|---|---|
| 3" | 300PCALAP | 300PCSSAP | 10 |

[1] PTFE gaskets are standard in stainless steel fittings



### Thread Adapters

| Female BSPP | Male NPT | Stainless Steel[1] Part # |
|---|---|---|
| 3" | 2" | 3020RDSSAP |
| | 3" | 3030RDSSAP |

[1] PTFE gaskets are standard in stainless steel fittings



### Cam & Groove Adapter

| Female BSPP | Stainless Steel[1] Part # |
|---|---|
| 3" | 300ASSSAP |

[1] PTFE gaskets are standard in stainless steel fittings

# Bayonet Style Dry Disconnects

## Application
- For the spill-less transfer of petroleum products such as fuel oil, lube oil blending, and tank truck delivery

## Features
- Ensures a spill-free connection. Fluid cannot flow until couplings are connected together and valve is opened; coupling can then not be disconnected until the valve handle is closed
- Swivels have standard ZERK fittings
- Replacement parts available; contact Dixon for more information

## Specifications
- Maximum operating pressure: **85 PSI** at **70°F (21°C)**, for pressure ratings at other temperatures contact Dixon®

### 90° Swivel Couplers x Female NPT

| Size | Seal Material | Anodized Hard Coat Aluminum Part # |
|---|---|---|
| 2" | nitrile rubber | BS61-200 |
| | FKM | BS62-200 |
| 3" | nitrile rubber | BS61-300 |
| | FKM | BS62-300 |



### Straight Couplers x Female NPT

| Size | Seal Material | Anodized Hard Coat Aluminum Part # |
|---|---|---|
| 2" | nitrile rubber | BC61-200 |
| | FKM | BC62-200 |



### Keyed Straight Couplers x Female NPT

| Size | Seal Material | Anodized Hard Coat Aluminum Part # |
|---|---|---|
| 2" | nitrile rubber | BC61K1-200 |
| | FKM | BC62K1-200 |

New



### Straight Swivel Couplers x Female NPT

| Size | Seal Material | Anodized Hard Coat Aluminum Part # |
|---|---|---|
| 1" | nitrile rubber | BSS61-100 |
| 2" | nitrile rubber | BSS61-200 |
| | FKM | BSS62-200 |
| 3" | nitrile rubber | BSS61-300 |
| | FKM | BSS62-300 |



### Keyed Straight Swivel Couplers x Female NPT

| Size | Seal Material | Anodized Hard Coat Aluminum Part # |
|---|---|---|
| 2" | nitrile rubber | BSS61K1-200 |
| | FKM | BSS62K1-200 |

New



### Straight Swivel

| Size | Seal Material | PSI @ 75°F (24°C) | Anodized Hard Coat Aluminum Part # |
|---|---|---|---|
| 1" | nitrile rubber | 85 | BSSW61-100 |

S

# Bayonet Style Dry Disconnects

### Application
- For the spill-less transfer of petroleum products such as fuel oil, lube oil blending, and tank truck delivery

### Features
- Ensures a spill-free connection. Fluid cannot flow until couplings are connected together and valve is opened; coupling can then not be disconnected until the valve handle is closed
- Swivels have standard ZERK fittings
- Replacement parts available, contact Dixon for more information

### Specifications
- Maximum operating pressure: **85 PSI** at **70°F** (**21°C**), for pressure ratings at other temperatures contact Dixon®



## Adapters x Female NPT

| Size | Seal Material | Stainless Steel Part # | Brass Part # | Aluminum Part # |
|---|---|---|---|---|
| 1" | nitrile rubber | --- | BA61-100 | --- |
| 2" | nitrile rubber | BA31-200 | --- | --- |
| | FKM | BA32-200 | --- | --- |
| 3" | nitrile rubber | --- | BA31-300 | BA61-300 |
| | FKM | --- | BA32-300 | BA62-300 |

New



## Keyed Adapters x Female NPT

| Size | Seal Material | Stainless Steel Part # |
|---|---|---|
| 2" | nitrile rubber | BA31K1-200 |
| | FKM | BA32K1-200 |



## Dust Plugs

| Size | Rubber with Stainless Steel Chain Part # |
|---|---|
| 2" | BCP-200 |
| 3" | BCP-300 |



## Dust Caps

| Size | Rubber with Stainless Steel Chain Part # |
|---|---|
| 2" | BAC-200 |
| 3" | BAC-300 |

S

# Ball Nozzles for Bulk Delivery

**Feature**

- Rugged construction, high flow provides rapid fuel oil transfer/delivery

**Specifications**

- Heavy duty roller ball swivel with low temperature seals freely rotates without leaking at **-40°F (-40°C)** and **100 PSI**
- **3 PSI** check valve is included to prevent back flow; **5 PSI** is optional

## Nozzles

| Female NPT Inlet | Outlet Type | Anodized Aluminum Part # |
|---|---|---|
| 1-1/4" | swivel quick fill nut | BL062 |
| 1-1/2" | swivel quick fill nut | BL064 |
| 1-1/4" | 1-1/4" spout | BL066 |
| 1-1/2" | 1-1/4" spout | BL068 |
| 1-1/2" | 1-1/2" spout | BL072 |
| 1-1/4" | 1-1/4" female NPT | BL066NS |
| 1-1/2" | 1-1/4" female NPT | BL068NS |
| 1-1/2" | 1-1/2" female NPT | BL072NS |
| 2" | 2" spout | BL920 |



BL062

## Replacement Spouts

| Size | Replacement For | Aluminum Part # |
|---|---|---|
| 1-1/4" | BL066, BL068 | 1143A |
| 1-1/2" | BL072, BL919 | 1125A |
| 2" | BL920 | 391137 |



BL072

## Repair Kits

### Repair Kits for Ball Nozzles (BL066, BL068, BL072, BL919)

| Description | Part # |
|---|---|
| inlet swivel seal and wear kit | SWMF-RK2 |
| complete inlet swivel rebuild kit | SWMF-RK3 |
| 1-1/2" FNPT replacement inlet swivel | SWMF-RK4 |
| 1-1/4" FNPT replacement inlet swivel | SWMF-RK5 |
| 1-1/2" BSPP replacement inlet swivel | SWMF-RK6 |
| replacement swivel outlet (BL062, BL064) | BL005 |
| ball valve shaft seal kit | BL-RK4 |
| complete ball nozzle seal kit | BL-RK10 |
| optional check valve **5 PSI** spring kit | BL-RK11 |
| standard check valve **3 PSI** cartridge kit | BL-RK12 |



BL072NS

### Repair Kits for Super Ball Nozzle (BL920)

| Description | Part # |
|---|---|
| inlet swivel grease nipple kit (optional) | SWMF-RK1 |
| inlet swivel seal and wear kit | SWMF-RK22 |
| complete inlet swivel rebuild kit | SWMF-RK32 |
| 2" FNPT replacement inlet swivel | SWMF-RK42 |
| 1-1/2" FNPT replacement inlet swivel | SWMF-RK52 |
| complete ball nozzle seal kit | BL-RK102 |
| optional check valve **5 PSI** spring kit | BL-RK112 |
| standard check valve **3 PSI** cartridge kit | BL-RK122 |



BL920

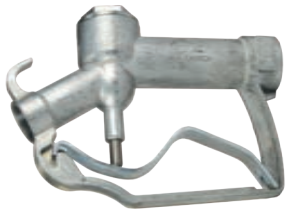
## Gravity Utility Nozzles

**Application**
- For use with 12 volt pumps and gravity flow fittings in economy fuel dispensing applications

**Feature**
- Manual operation (non-automatic)

**Specification**
- Working pressure: **25 PSI**

**Approval**
- UL Listed



900



900W34S



900B

| Female NPT Inlet | Outlet Type | Die Cast Zinc Aluminum Part # |
|---|---|---|
| 1" | 1" female UNS | 900[1] |
| | 1" straight spout | 900S |
| | 1" bent spout | 900B |
| | 3/4" straight spout | 900W34S |
| | 3/4" bent spout | 900W34B |
| 3/4" | 3/4" straight spout | 900S34[2] |
| | 3/4" bent spout | 900B34[2] |

[1] Nozzle body only (no spout)
[2] 3/4" nozzle inlet uses 1" x 3/4" reducer bushing, supplied

### Replacement Parts

| Description | Part # |
|---|---|
| 3/4" replacement straight spout | 234-80-4 |
| 3/4" replacement bent spout | 234-80-5 |
| 1" replacement straight spout | 875-4 |
| 1" replacement bent spout | 875-5 |
| trigger | 900TK |
| plunger and valve assemblies, cap, O-ring | 900SK |

## Pressure Nozzles for Bulk Delivery

**Features**
- Manual operation (non-automatic) for high pressures and fuel flow up to **100 GPM**
- Easy opening dash pot design with shockless closing
- Detachable trigger ratchet, packing gland, and seal
- Bronze trigger



114DNS



114D

| Female NPT Inlet | Outlet Type | GPM @ 10 PSI | Aluminum Part # |
|---|---|---|---|
| 1-1/4" | 1-1/4" female NPT | **80** | 114DNS |
| | 1-1/4" spout | | 114D |
| 1-1/2" | 1-1/2" female NPT | **100** | 112DNS |
| | 1-1/2" spout | | 112D |

### Replacement Parts

| Description | Part # |
|---|---|
| aluminum replacement spout for 114D | 1143A |
| aluminum replacement spout for 112D | 1125A |
| main and secondary poppets, cap O-ring, valve stem | 112DSK |
| main and secondary poppets, cap O-ring, valve stem assembly and packing, sleeve stem packing and nut | 114DSK |



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## Large Capacity Low Pressure / Gravity Nozzle

**Application**
- For low pressure/gravity applications

**Feature**
- Rapid flow due to 1-1/4" oversize design



**Specification**
- Maximum operating pressure: **25 PSI**

| Female NPT Inlet | Outlet Type | Aluminum Part # |
|---|---|---|
| 1-1/4" | 1-1/4" spout | 1250-94 |

**Repair Kits**

| Description | Part # |
|---|---|
| plunger, O-rings, valve seal, valve base, valve plate | 1250SK |

## Diesel and Gasoline Nozzle Accessories

**Materials**
- Body: aluminum
- Brass hex nut prevents galling in the nozzle
- Seals: F-7036 Viton®
- Retainer: nylon cord




| Size | Description | Part # |
|---|---|---|
| 1-1/2" x 1-1/2" | single plane hose swivel (male adapter x male NPT) | DAWSCL15 |
| 2" x 2" | | DAWSCL2 |

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## Hose Shank Hose Swivels



**Application**
- For use with petroleum and home heating oil hose

**Feature**
- Prevents hose twisting or kinking

| Male NPT | Shank Size | Bronze Part # |
|---|---|---|
| 1-1/2" | 1-1/2" | 1565U |

**Repair Kit**

| Description | Part # |
|---|---|
| replacement seal kit and retaining ring | 1500SK |

## Heavy Duty Hose Swivels

**Features**
- Heavy duty internal thrust bearing and anti-friction seal design ensures swiveling at **-40°F** (**-40°C**)
- Can be lubricated without disassembly by using the optional grease nipple kit below

**Specification**
- Male NPT x female NPT threaded connections



| Male NPT | Female NPT | Bayloy Part # |
|---|---|---|
| 1-1/4" | 1-1/4" | SWMF125 |
| 1-1/2" | 1-1/2" | SWMF150 |
| 2" | 2" | SWMF200 |

**Repair Kits**

| Description | Part # |
|---|---|
| inlet swivel grease nipple kit (optional) | SWMF-RK1 |
| inlet swivel seal and wear kit | SWMF-RK22 |
| complete inlet swivel rebuild kit | SWMF-RK32 |
| 2" FNPT replacement inlet swivel | SWMF-RK42 |
| 1-1/2" FNPT replacement inlet swivel | SWMF-RK52 |

## Dixon® MannTek Hose Swivels

**Features**
- Allows the hose to relax to its natural rest position while allowing freedom of movement without adding torque stress at the point of connection
- Simple design, low maintenance - consists of two body halves, ball bearings, and a washer
- FKM seals standard, Chemraz® and Kalrez® optional; contact Dixon®

**Specifications**
- Working pressure: **150 PSI**
- Maximum temperature: **300°F (149°C)**
- Male NPT x female NPT threaded connections



| Size | 316 Stainless Steel Part # | Aluminum Part # |
|---|---|---|
| 3/4" | HS075SS | HS075AL |
| 1" | HS100SS | HS100AL |
| 1-1/2" | HS150SS | HS150AL |
| 2" | HS200SS | HS200AL |
| 3" | HS300SS | HS300AL |
| 4" | HS400SS | HS400AL |

# Dixon® Diesel and Gasoline Nozzle Accessories

## Single Plane Hose Swivels



### Materials
- Body: aluminum
- Brass hex nut prevents galling in the nozzle
- Seals: F-7036 Viton®
- Retainer: nylon cord

| Size | Part # |
|---|---|
| 3/4" x 3/4" | DAWS34 |
| 1" x 1" | DAWS10 |
| 1-1/4" | DAWS1414 |
| 1-1/2" x 1-1/4" | DAWS1514 |
| 1-1/2" | DAWS15 |
| 2" | DAWS22 |

## Multi-Plane Hose Swivels

### Features
- Brass male end will not gall in nozzle castings
- Dual O-rings seal with all fuels
- Sleeve gives smooth seal surface - no leaks
- Internal nylon retainer cord secures firmly but allows free rotation



### Materials
- Body: machined aluminum casting
- Male end: machined brass bar stock
- Sleeve: machined brass bar stock

| Size | Part # |
|---|---|
| 3/4" male NPT x 3/4" female NPT | DAC3434 |
| 1" male NPT x 3/4" female NPT | DAC1034 |
| 1" male NPT x 1" female NPT | DAC1010 |

## Breakaways

### Features
- Unique ball valves seal both ends when separated
- Design provides consistent and reliable performance
- Lightweight
- Easy to repair

### Materials
- Body: aluminum
- Break rings (2): brass
- Seals: F-7036 Viton®

### Approval
- 3/4" UL Listed



| Size | Separation Force (Lbs) | Part # |
|---|---|---|
| 3/4" | 325 | DAB34 |
| 1" | 325 | DAB1 |

## Breakaways

### Application
- Provides breakaway protection for high capacity fueling operations such as truck and bus terminals, mining, off-road fueling, and fuel oil delivery



### Materials
- Body: nickel plated aluminum
- Brass break rings: 4 total in 1-1/4" and 1-1/2"; 6 total in 2"
- Seals: F-7036 Viton®
- Check valve - PTFE ball seals both ends when separated

| Size | Separation Force in Lbs. | Part # |
|---|---|---|
| 1-1/4" | 600 | DAB14 |
| 1-1/2" | 600 | DAB15 |



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# FuelMaster™ Diesel Nozzles

### Application
- Truck stops and terminal operations (not designed for use with gravity flow tanks, small 12 volt or AC utility pumps, farm or consumer pumps)

### Features
- High flow capacity
- Micro-touch valve provides smooth operation and exceptional flow control
- Roto-matic latch pin provides positive auto shut-off
- Pure PTFE packing eliminates stem leaks
- Easy to change 'locknut style' spout assembly
- Green scuff guard

### Optional Features
- UL Listed versions
- UL listed for use with Gas 10% Ethanol blend and diesel
- Super tough nylon trigger hold-open clip
- 'No pressure, no flow' (NPNF) safety valve prevents the trigger from being held open if pressure is not present

### Materials
- Body and spout: aluminum
- Body caps: zinc
- Seals: FKM
- Poppet disk: FKM
- Stem packing: PTFE
- Hand-guard and trigger hold open clip: super tough nylon
- Trigger: steel
- Snap-on cover: plastic
- Scuff guard: vinyl



DFN100HF

### Features
- With trigger hold-open clip
- Non-UL Listed nozzles

| NPT Inlet | Spout Outlet | Approximate Flow Rate at 20 PSI (GPM) | Part # |
|---|---|---|---|
| 1" | 1-3/16" | **35** | DFN100HF |
| | | **45** | DFN100SF |

### Features
- With trigger hold-open clip
- With 'no pressure, no flow' safety valve

### Approval
- UL Listed nozzle

| NPT Inlet | Spout Outlet | Approximate Flow Rate at 20 PSI (GPM) | Part # |
|---|---|---|---|
| 1" | 1-3/16" | **35** | DFN100HF-NPNF |
| | | **45** | DFN100SF-NPNF |

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DFN100SF

### Feature
- Without trigger hold-open clip

### Approval
- UL Listed nozzle

| NPT Inlet | Spout Outlet | Approximate Flow Rate at 20 PSI (GPM) | Part # |
|---|---|---|---|
| | | **35** | DFN100HF-NC |

# Big Mouth™ Diesel Nozzles

## Application
- Truck stops (not designed for use with gravity flow tanks, small 12 volt or AC utility pumps, farm or consumer pumps)

## Features
- Lightweight but strong
- Micro-touch valve provides smooth operation and exceptional flow control
- Roto-matic latch pin provides positive auto shut-off
- Pure PTFE packing eliminates stem leaks
- Super tough nylon hand guard
- Snap-on handle cover makes changing scuff guards easy
- Yellow scuff guard

## Optional Features
- UL listed versions
- UL listed for use with gas 10% Ethanol blend and diesel
- Super tough nylon trigger hold-open clip
- 'No pressure, no flow' (NPNF) safety valve prevents the trigger from being held open if pressure is not present

## Materials
- Body and spout: aluminum
- Body caps: zinc
- Seals: FKM / nitrile
- Poppet disk: FKM
- Stem packing: PTFE
- Trigger: steel
- Snap-on cover: plastic
- Scuff guard: vinyl

## Features
- With trigger hold-open clip
- Non-UL listed nozzles

| NPT Inlet | Spout Outlet | Approximate Flow Rate at 20 PSI (GPM) | Part # |
|---|---|---|---|
| 1" | 1-1/8" | **27** | DFN100 |

## Features
- With trigger hold-open clip
- With 'no pressure, no flow' safety valve

## Approval
- UL listed nozzle

| NPT Inlet | Spout Outlet | Approximate Flow Rate at 20 PSI (GPM) | Part # |
|---|---|---|---|
| 1" | 1-1/8" | **27** | DFN100-NPNF |



DFN100

## Feature
- Without trigger hold-open clip

## Approval
- UL listed nozzle

| NPT Inlet | Spout Outlet | Approximate Flow Rate at 20 PSI (GPM) | Part # |
|---|---|---|---|
| 1" | 1-1/8" | **27** | DFN100-NC |



DFN100-NC

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## Farm and Consumer Nozzles

### Application
- Small 12-volt or AC utility pumps, farm or consumer pumps (not designed for use with gravity flow tanks)

### Features
- Micro-touch valve provides smooth operation and exceptional flow control
- Pure PTFE stem packing eliminates leaks
- Heavy duty, strong, secure hook makes it easy to hang the nozzle on the pump
- Roto-matic latch pin provides positive auto shut-off
- Smartguard snap-on scuff guard

### Materials
- Body and spout: aluminum
- Body caps: zinc or nylon
- Seals: FKM
- Poppet disk: FKM
- Stem packing: PTFE
- Hand-guard and trigger hold open clip: super tough nylon
- Trigger: steel
- Snap-on cover: plastic
- Scuff guard: vinyl

### Optional Features
- UL listed versions
- Super tough nylon trigger hold-open clip
- 'No pressure, no flow' (NPNF) safety valve prevents the trigger from being held open if pressure is not present



1" diesel nozzle

#### Features
- With trigger hold-open clip
- Non Underwriters Listed nozzle

| NPT Inlet | Spout Outlet | Approximate Flow Rate at 20 PSI (GPM) | Scuff Guard Color | Service | Part # |
|---|---|---|---|---|---|
| 3/4" | 13/16" | **18** | black | gasoline | DN7UOBF |
| | 15/16" | **23** | green | diesel | DN7LOBF |
| 1" | 1-1/8" | **27** | yellow | diesel | DFN100F[1] |

[1] Hand-guard and rear back clip: super tough nylon



3/4" gasoline nozzle

#### Features
- With trigger hold-open clip
- With 'no pressure, no flow' safety valve

#### Approval
- Underwriters Listed nozzle

| NPT Inlet | Spout Outlet | Approximate Flow Rate at 20 PSI (GPM) | Scuff Guard Color | Service | Part # |
|---|---|---|---|---|---|
| 3/4" | 13/16" | **18** | black | gasoline | DN7UOBF-NPNF |
| | 15/16" | **23** | green | diesel | DN7LOBF-NPNF |
| 1" | 1-1/8" | **27** | yellow | diesel | DFN100F-NPNF |



3/4" diesel nozzle

#### Feature
- Without trigger hold-open clip

#### Approval
- Underwriters Listed nozzle

| NPT Inlet | Spout Outlet | Approximate Flow Rate at 20 PSI (GPM) | Scuff Guard Color | Service | Part # |
|---|---|---|---|---|---|
| 3/4" | 13/16" | **18** | black | gasoline | DN7UOBF-NC |
| | 15/16" | **23** | green | diesel | DN7LOBF-NC |
| 1" | 1-1/8" | **27** | yellow | diesel | DFN100F-NC |

### Fuel Nozzle Part Number Cross Reference

| Dixon® | M. Carder | OPW | Emco | Husky | Catlow |
|---|---|---|---|---|---|
| DN7UOBF | N7UOBF | 1AF-40FS | A2501F | XSF-33704 | NFNLF |



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## DEF Automatic Shutoff Nozzle

### Application
- Designed for diesel exhaust fluid applications

### Materials
- Spout: stainless steel
- Wetted parts: stainless, acetal, PTFE
- Seal: FKM-A



### Specification
- Maximum operating pressure: **20 PSI**
- Aluminum body double coated inside and out with PTFE baked on at **500°F (260°C)**

| BSPP Inlet | Spout Outlet | Approximate Flow Rate at 20 PSI (GPM) | Part # |
|---|---|---|---|
| 3/4" | 13/16" | **18** | DEFN075 |

## High Flow Fueler 100™ Nozzles

### Applications
- For fueling trucks, buses, off-road equipment, and fuel oil delivery
- *These nozzles are not to be used with gravity flow tanks*



### Features
- Machined grooves in the spout are designed to hold nozzle more securely in the fill pipe
- High flow, heavy duty automatic nozzle

| NPT Inlet | Spout Outlet | Approximate Flow Rate at 30 PSI (GPM) | Part # |
|---|---|---|---|
| 1-1/4" | 1-3/8" | **75** | DNOG5-NL[1] |
| | | **75** | DNOG5 |
| | | --- | DNOG5PL |
| 1-1/2" | | **75** | DNOG6 |
| | | --- | DNOG6PL |

[1] Is a 1-1/4" nozzle without the locking handle

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# Dixon® MannTek Full Flow Ball Valves

### Features
- High flow rate; low pressure drop
- Spindle can be disassembled even when ball valve is installed
- Two ports - one inlet and one outlet

### Materials
- Wetted parts are aluminum and stainless steel
- FPM seals

### Specifications
- Working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- Standard valve ports - female NPT, socket weld for Schedule 40 pipe and grooved
- Optional ports include DN flange, butt weld, and 150# flange; contact Dixon for details



### One-Way Full Flow Ball Valve Female NPT

| Size | Aluminum Part # |
|---|---|
| 2" | 1WAYBV200 |
| 3" | 1WAYBV300 |
| 4" | 1WAYBV400 |



### One-Way Full Flow Ball Valve Socket Weld

| Size | Bore | Aluminum Part # |
|---|---|---|
| 2" | 2.390" | 1WAYBV200SW |
| 3" | 3.530" | 1WAYBV300SW |



### One-Way Full Flow Ball Valve Grooved

| Size | Aluminum Part # |
|---|---|
| 2" | 1WAYBV200VIC |
| 3" | 1WAYBV300VIC |

# Dixon® MannTek Full Flow Ball Valves

## Features
- High flow rate; low pressure drop
- Spindle can be disassembled even when ball valve is installed
- Three ports - one inlet and two outlets, valve directs the flow from the inlet to either of the two outlets
- Commonly used for switching compartments or tanks

## Materials
- Wetted parts are aluminum and stainless steel
- FPM seals

## Specifications
- Working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- Standard valve ports - female NPT, socket weld for Schedule 40 pipe, and grooved
- Optional ports include DN flange, butt weld, and 150# flange; contact Dixon for details

### Two-Way Full Flow Ball Valve Female NPT

| Size | Aluminum Part # |
|---|---|
| 2" | 2WAYBV200 |
| | 2WAYBV200-SH |
| 3" | 2WAYBV300 |
| 4" | 2WAYBV400 |



2WAYBV200-SH

### Two-Way Full Flow Ball Valve Socket Weld

| Size | Bore | Aluminum Part # |
|---|---|---|
| 2" | 2.390" | 2WAYBV200SW |
| 3" | 3.530" | 2WAYBV300SW |



### Two-Way Full Flow Ball Valve Grooved

| Size | Aluminum Part # |
|---|---|
| 2" | 2WAYBV200VIC3 |
| 3" | 2WAYBV300VIC3 |



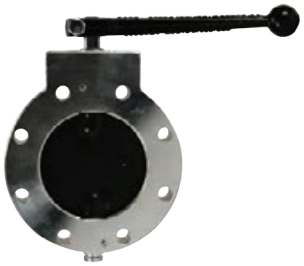
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# Betts Wet-R-Dri™ Butterfly Valves

## Application
- Designed for handling liquid, gaseous, or dry products

## Features
- Has a positive stop in the open and closed position
- Detent spring and ball assist in holding the disc in the open and closed position
- Drilling fits TTMA recommended standards
- Opens by turning hand 1/4 turn counter clockwise

## Specification
- Temperature range: **0°F** to **400°F (-18°C** to **204°C)**



### Manual

| Size | Maximum Working Pressure PSI | Extruded aluminum body with FKM-B disc Part # |
|---|---|---|
| 2" | 75 | WD201ALVB |
| 3" | | WD301ALVB |
| 4" | | WD401ALVB |
| 5" | | WD501ALV |
| 6" | | WD601ALV |
| 8" | | WD801ALV |



### Metering

| Size | Maximum Working Pressure PSI | Extruded aluminum body with FKM-B disc Part # |
|---|---|---|
| 2" | 75 | WD206ALVB |
| 3" | | WD306ALVB |
| 4" | | WD406ALVB |
| 5" | | WD506ALV |
| 6" | | WD606ALV |
| 8" | | WD806ALV |

### Replacement Handle

| Part # | Extruded aluminum body with FKM-B disc Part # |
|---|---|
| 28957ALEY | replacement handle for 2", 3", 4", and 5" manual handle valves |
| 25933AL | replacement handle for 6" and 8" manual handle valves |
| 28981ALEY | replacement handle for 2", 3", 4", and 5" metering handle valves |
| 26287AL | replacement handle for 6" and 8" metering handle valves |

NOTE: For flange dimensions, diagrams and additional information please reference dixonvalve.com.



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**Rapp-it Repair Kit.....1054**
Rapp-it pipe repair kit display.....1054

**Thread Tape and Sealant.....1055 - 1056**
PTFE tape.....1055
American made (purple).....1055
Industrial (white).....1055
Stainless steel (gray).....1055
Industrial heavy duty (pink).....1055
For LP gas (yellow).....1055
Thread sealant paste.....1056
Joint sealant gasket material.....1056
Leak detector.....1056

**Glass End Caps.....1057**

**Topping Gun.....1057**

**Sprays and Gels.....1057 - 1058**
Food grade penetrating oil.....1057
PurGel klear.....1058
Food grade anti-seize.....1058
Stainless Steel cleaner and polish.....1058

**Coupling Inserters.....1059**
Coupling inserter for large hose.....1059
Coupling inserter with 5 ton ram.....1059

**Hose Racks.....1059**

**Testing Equipment.....1060 - 1062**
Hand hydrotest pump.....1060
Electric test pump.....1060
Hydrostatic test pumps.....1060
Pneumatic test pump.....1060
Hydrostatic test pump accessories.....1061
Sprinkler system gauges (UM-393).....1062
Line test gauges.....1062
Three way gauge valve.....1062
PITOT gauge.....1062
Sprinkler line tester.....1062

**Accessories.....1063 - 1066**
Dixon® coupling lubricant.....1063
WD-40 smart straw.....1063
Dixon soft hose mallet.....1064
Dixon hose knife.....1064
Diameter tape.....1064

**Accessories (cont.).....1063 - 1066**
Safety tag.....1065
Safety tape.....1065
Stretch straps.....1066
Pick head fire axe.....1066

**Hose and Cable Protection.....1067 - 1070**
Flame retardant product.....1067
Standard product.....1067
Fire jacket.....1068
Fire jacket tape.....1068
Non adhesive fire tape.....1068
Fiberglass sleeving.....1069
Kevlar® protective sleeves.....1069
Nylon protective sleeves - MSHA accepted.....1069
Spring guard.....1070
Continuous spring guard.....1070
GSM ball-joint armored hose assemblies.....1070




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## Rapp-it Pipe Repair Kits




### Applications
- On-site emergency pipe repair in varied industrial applications: mining, processing, oil and gas, petrochemical, manufacturing, marine, and agricultural industries for use with steel, poly, PVC, copper, and concrete

### Sizes
- 2" x 12', 3" x 12', 4" x 12', 4" x 16', 4" x 30'

### Features
- No mixing or measuring required; easy to apply
- Quickly contains leaking substances, keeping a workplace safe
- Tenacious bond: 5 to 10 min.; functional cure: approx. 30 min.
- One product that can be used on a vast array of pipe sizes, shapes, and materials
- Suitable for use on acid lines, gas, most diluted chemicals, sea water, fuels, and oil
- Chemical resistance: resistant to hydrocarbons, ketones, esters, alcohols, halocarbons, aqueous salt solutions, dilute acids/bases
- Suitable for wet or dry pipe: apply under fresh and saltwater

### Materials
- Bandage: woven fiberglass
- Resin: water-activated polyurethane resin

### Specifications
- Pressure resistance up to **360 PSI (2,500kPA)**
- Shore D hardness at full cure (24 hours): 80 durometer
- Lap shear tensile strength on steel (1" x 1" x 1/16") 400kg **(6.2MPa)**
- Compressive strength **8,000 PSI (55 MPa)**
- Temperatures:
  Continuous **-40°F** to **250°F (-40°** to **121°C)**
  Intermittent **-40°F** to **300°F (-40°** to **149°C)**
  Heat resistance: **300°F (150°C)**

### Approval
- NATO Certification 4730-66-1257893

| Size | Description | Part # |
|---|---|---|
| 2" x 12' | kit includes woven fiberglass bandage infused with water-activated resin and a 90 mm stick of Rapp-it steel putty | RAP122 |
| 3" x 12' | | RAP123 |
| 4" x 12' | | RAP124 |
| 4" x 16' | | RAP164 |
| 4" x 30' | | RAP304 |

## Rapp-it Pipe Repair Kit Display




### Features
- Rapp-it pipe repair kit not included
- Displays up to six Rapp-it repair kits
- Display box must be assembled by customer

| Size | Description | Part # |
|---|---|---|
| 9-1/2" L x 11-1/2" W x 16" H | display includes box, 30 full-color repair kit product flyers, and one pipe sample; Repair kit product is not included, see display fill | RAPDISPLAY |
| --- | display fill includes (2) repair kits of each size (10 kits total); display not included | RAPDISPLAYFILL |

## American Made PTFE Tape (Purple)

**Features**
- Superior quality
- Not for use in oxygen applications

**Specifications**
- Temperature range: **-450°F** to **500°F (-268°C** to **260°C)**
- Thickness: 3.5 mil (0.0035 mm)

| Size | Length | Part # |
|---|---|---|
| 1/2" | 520" | TTPM50-520 |
| | 700" | TTPM50-700 |
| | 1429" | TTPM50-1429 |
| 3/4" | 520" | TTPM75-520 |
| | 700" | TTPM75-700 |
| | 1429" | TTPM75-1429 |
| 1" | 520" | TTPM100-520 |
| | 700" | TTPM100-700 |
| | 1429" | TTPM100-1429 |




## Industrial PTFE Tape (White)

**Feature**
- Not for use in oxygen applications

**Specifications**
- Thickness: 3.5 mil (0.0035 mm)
- Temperature range: **-212°F** to **500°F (-136°C** to **260°C)**

| Size | Length | Part # | Optional Qty |
|---|---|---|---|
| 1/2" | 260" | TTA50 | 550 |
| | 520" | TTB50 | 500 |
| | 1296" | TTC50 | 250 |
| 3/4" | 260" | TTA75 | 350 |
| | 520" | TTB75 | 350 |
| 1" | 520" | TTB100 | 250 |



## Stainless Steel PTFE Tape (Gray)

**Application**
- Useful on stainless steel threaded joints or connections

**Features**
- Not for use in oxygen applictions
- PTFE with nickel added, nickel acts like a ball bearing
- Made in the U.S.

**Specifications**
- Thickness: 4 mil
- Temperature range: **-450°F** to **550°F (-268°C** to **288°C)**

| Size | Length | Part # | Optional Qty |
|---|---|---|---|
| 1/2" | 260" | TTA50SS | 10 |




## Industrial Heavy Duty PTFE Tape (Pink)

**Feature**
- Not for use in oxygen applictions

**Specifications**
- Thickness: 4 mil
- Temperature range: **-400°F** to **500°F (-240°C** to **260°C)**

| Size | Length | Part # | Optional Qty |
|---|---|---|---|
| 1/2" | 540" | TTBP50 | 500 |



## PTFE Tape for LP Gas (Yellow)

**Feature**
- Not for use in oxygen applictions

**Approval**
- Underwriters Listed

**Specifications**
- Thickness: 4 mil
- Maximum temperature: **500°F (260°C)**

| Size | Length | Part # | Optional Qty |
|---|---|---|---|



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## Thread Sealant Paste




**Application**
- Do not use with oxygen

**Specification**
- Temperature range: **-300°F** to **500°F (-184°C** to **260°C)**

| Size | Part # | Optional Qty |
|---|---|---|
| 1/4 pint | LCTS14 | 24 |
| 1/2 pint | LCTS1 | 24 |
| 1 pint | LCTS2 | 12 |
| 1 quart | LCTS3 | 12 |

## Joint Sealant Gasket Material




**Features**
- GORE-TEX interchangeable
- Form-in-place expanded PTFE gasket material with adhesive backing
- Manufactured from 100% virgin PTFE
- Unaffected by all common chemicals (pH from 0-14)
- Unlimited shelf life
- Resilient with low cold flow
- Requires less force than standard gasket materials
- Made in the USA
- Larger spools are available; consult Dixon® for price and availability

**Specifications**
- Pressure range: **vacuum** to **3000 PSI**
- Temperature range: **-450°F** to **600°F (-268°C** to **316°C)**

**Approval**
- FDA compliant #21CFR177.1550

| Size | Length | Part # |
|---|---|---|
| 1/4" | 20' | LCJS4-20 |
| 1/4" | 50' | LCJS4-50 |
| 3/8" | 25' | LCJS6-25 |
| 1/2" | 15' | LCJS8-15 |
| 3/4" | 15' | LCJS12-15 |

## Leak Detector




**Application**
- Detects leaks by forming bubbles which remain for up to ten minutes

**Features**
- Will not cause corrosion or deterioration
- Color: fluorescent yellow
- Non-toxic, non-freezing

**Specification**
- Temperature range: **-7°F** to **180°F (-20°C** to **82°C)**

**Approval**
- Meets Federal specification MIL-L-25567-C

| Size | Part # | Case Qty |
|---|---|---|
| 8 oz. | LCLD | 24 |



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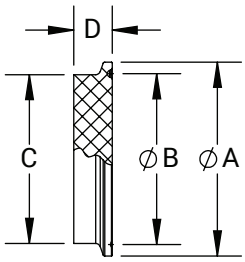
## Sight Glass End Caps - B5416MP

### Feature
- For use on any line with a clamp and gasket



### Specifications
- Maximum temperature: **150°F (66°C)**
- Maximum operating pressure: **100 PSI**

| Tube O.D. | A (in) | B (in) | C (in) | D (in) | Acrylic Plastic Part # |
|---|---|---|---|---|---|
| 1" - 1-1/2" | 1.98 | 1.72 | 1.68 | .50 | B5416MP-A100150 |
| 2" | 2.52 | 2.22 | 2.19 | .50 | B5416MP-A200 |
| 2-1/2" | 3.05 | 2.78 | 2.71 | .50 | B5416MP-A250 |
| 3" | 3.58 | 3.28 | 3.22 | .50 | B5416MP-A300 |
| 4" | 4.68 | 4.34 | 4.26 | .50 | B5416MP-A400 |
| 6" | 6.57 | 6.18 | 6.13 | .50 | B5416MP-A600 |
| 8" | 8.57 | 8.17 | 8.22 | .50 | B5416MP-A600 |



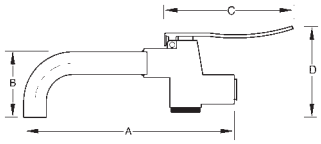

## Topping Gun - BTG

### Features
- Squeeze handle for easy opening and control
- Spring loaded trigger for positive shutoff



### Materials
- 304 stainless steel
- Seals and gaskets: EPDM

### Specifications
- 1/2" female NPT inlet
- 3/4" O.D. tube outlet




| A (in) | B (in) | C (in) | D (in) | Part # |
|---|---|---|---|---|
| 8.094 | 3.38 | 4.75 | 4.56 | BTG-G50 |

### Repair Kits

| Description | Part # |
|---|---|
| replacement Handle | BTG-HANDLE |
| repair kit - 1pc each - spring, piston, piston gasket (1/2" EPDM), plunger, plunger O-ring (nitrile rubber), cap O-ring (I.D. 17.0mm t 2.0mm nitrile rubber) | BTG-KIT |

NOTE: Engineering dimensions are available upon request. Specifications are subject to change without notice.

## Jax Food Grade Penetrating Oil

### Features
- NSF H1 registered for incidental food contact
- Colorless, odorless, and tasteless
- Quickly frees corroded parts
- Protects metal from corrosion
- Lubricates moving parts




| Description | Part # |
|---|---|
| 16 fl oz. trigger spray bottle | LUPO-16 |

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## PurGel Klear




**Features**
- Pure white, FDA approved kosher petrolatum for use as a release agent
- Use for any assembly, barrier or release applications holding O-rings, gaskets, coating cutting blades, or augers

**Approval**
- Meets FDA 21 CFR Part 172: Food Additive Permitted for direct addition to food for human consumption and Part 178: Indirect Food Additives

| Description | Part # |
|---|---|
| 8 oz. squeeze tube | LUPG-08 |

## Food Grade Anti-Seize




**Features**
- Non-toxic and non-drying
- Lubricates threads
- Forms leak-proof seals
- Prevents corrosion
- Resists water and steam

**Approval**
- NSF H1 registered for incidental food contact

| Description | Part # |
|---|---|
| 8 oz. bottle with brush-top cap | LUAS-08 |

## Stainless Steel Cleaner and Polish




**Features**
- Repels water – beads up like wax
- Provides high-gloss protective shield
- Dissolves tarnish
- Rubs in completely, with no dust or residue

**Approval**
- A7 Registered for use in federally-inspected facilities

| Description | Part # |
|---|---|
| 14 oz. aerosol can | LUCP-14 |

NOTE: All products shipped with MSDS (Material Safety Data Sheets)

## Coupling Inserters for Large Hose

**Size**
- Inserts 4", 5", 6", 8", 10", and 12" couplings

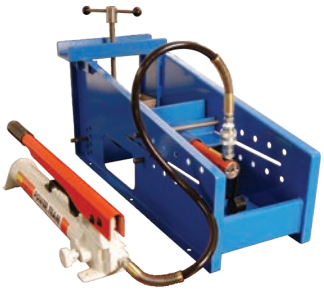
**Features**
- Includes CI96AH pump (shown below)
- Portable
- Coupling inserter pusher plates (not shown) must be purchased separately



| Part # |
|---|
| CI9 |

| Hose I.D. | Part # |
|---|---|
| 4" - 5" | 45CIPUSH |
| 6" - 8" | 68CIPUSH |
| 10" - 12" | 1012CIPUSH |

## Coupling Inserters



CI96

**Application**
- For insertion of hose shanks into hose with a 2-3/4" to 7-1/4" O.D.

| Description | Part # |
|---|---|
| inserter with **10,000 PSI** hand pump and 5 ton ram | CI96 |
| inserter with **10,000 PSI** air/hydraulic pump and 5 ton ram | CI96AH |
| small jaws for 1" to 2-3/4" O.D. hose | CI9311SML |



CI96AH

## Hung Up On Dixon® Hose Racks

**Application**
- Can be used for fire or water hose

**Features**
- 5 pre-drilled 5/16" mounting holes for easy mounting
- Two racks can be bolted face to face to create extra hose capacity

**Material**
- Aluminum



| Description | Dimensions | Weight (lbs.) | Part # |
|---|---|---|---|
| singe hose rack | 19-1/2" x 6" x 9-3/16" | 3.4 | DHR1 |
| double hose rack | 19-1/2" x 12" x 9-3/16" | 7.1 | DHR2 |

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## Hand Hydrotest Pump



**Application**
- Designed for use in testing pipe lines, pressure tanks, and pressure vessels

**Feature**
- Uses check valves, which are more efficient and longer lasting than poppet systems

**Material**
- Stainless steel piston

**Specifications**
- Cylinder displacement: 1.37 cu. in.
- **0 -1000 PSI** pressure gauge, 10' high pressure hose and quick disconnect coupler included
- Piston: 7/8" with 2" stroke
- Working pressure: **1000 PSI** at **70°F (21°C)**

| NPT Inlet | NPT Outlet | Aluminum Part # |
|---|---|---|
| 1/2" | 1/2" | HHTP |

## Hydrostatic Test Pumps

### Electric Test Pump



**Features**
- 110 volt Portable Hydrostatic Electric Pump - Model (ETP)
- Quick connect garden hose coupler for water supply line available

**Specifications**
- **3000 PSI** maximum test pressure
- **1.3 GPM** fill rate (at **60 PSI** inlet water pressure)
- 1/2" x 25' intermediate hose with brass straight-thru quick coupler x NPSM swivel connection
- 1/2" brass straight-thru plug on pressure outlet
- **0 – 3000 PSI** back mount liquid filled pressure gauge

| Part # |
|---|
| ETP |

### Pneumatic Test Pump



**Features**
- Stainless interior
- Air gauge for quick, easy adjustment of maximum test pressure
- High pressure test gauge
- Filter/regulator for clean, dry air to ensure long life of unit
- On - off valve for air input
- 15' of hose included
- Easy to use: portable hand cart mount or stationary wall mount available
- Use of coalescing filter and water filter recommended for prolonged pump life

**Specifications**
- **5.5 GPM** fill rate
- Test pressure: **0** to **1500 PSI**

| Hand Cart Mount Part # | Wall Mount Part # |
|---|---|
| PTP | PTP-WM |

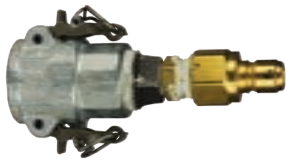
# Hydrostatic Test Pump Accessories

**Application**
- Cost effective, pre-assembled caps or plugs allow quick set up for testing hoses

**Feature**
- Caps and plugs equipped with 1/2" brass straight-through plug for quick attachment to the intermediate hose on the test pump (pneumatic test pump) and bleed-off valve

## Cam & Groove Test Caps for Male Adapters

| Size | Iron / Steel Part # |
|---|---|
| 1" | ID100TC |
| 1-1/2" | ID150TC |
| 2" | ID200TC |
| 3" | ID300TC |
| 4" | ID400TC |



## Cam & Groove Test Plugs for Female Couplers

| Size | Iron / Steel Part # |
|---|---|
| 1" | IA100TP |
| 1-1/2" | IA150TP |
| 2" | IA200TP |
| 3" | IA300TP |
| 4" | IA400TP |



## Female NPT Test Caps

| Size | Iron / Steel Part # |
|---|---|
| 1" | NPT100TC |
| 1-1/2" | NPT150TC |
| 2" | NPT200TC |
| 3" | NPT300TC |
| 4" | NPT400TC |



## Male NPT Test Plugs

| Size | Iron / Steel Part # |
|---|---|
| 1" | 100TP |
| 1-1/2" | 150TP |
| 2" | 200TP |
| 3" | 300TP |
| 4" | 400TP |



## Bleed-off Valve

| Part # |
|---|
| IBV50BOV |



## FRL Attachment Accessories

| Description | Part # |
|---|---|
| 3/8" Wilkerson modular coalescing filter (automatic drain) | M16-03A |
| 3/8" Wilkerson modular coalescing filter (manual drain) | M16-03M |



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## Sprinkler System Gauge (UL-393)



**Application**
- Specifically designed for the fire sprinkler industry

**Size**
- 1/4" NPT lower mount

**Features**
- Bourdon tube pressure gauges with black polycarbonate case
- Snap-in clear polycarbonate window, 4" face
- White aluminum dial with stop pin, black and red markings
- Black aluminum non-adjustable pointer

**Specification**
- Temperature range: **-40°F** to **140°F (-40°C** to **60°C)**

**Approvals**
- ASME B40.1 Grade B (+ 3/2/3% accuracy)
- UL Listed and FM Approved for fire sprinkler service

| Type | Part # |
|---|---|
| water (**0-300 PSI**) | SWG300-4 |

## Line Test Gauges



**Application**
- Used for testing static or flowing pressures in hoses or nozzles

**Features**
- Rocker lug swivel
- Other sizes and threads are also available; contact Dixon®

**Specifications**
- Supplied with **0-300 PSI** glycerine-filled 3-1/2" diameter gauge
- Freeze proof to **-40°F** (**-40°C**)

| NST (NH) Thread | Hardcoated Aluminum Part # |
|---|---|
| 1-1/2" | ALTG150F |
| 2-1/2" | ALTG250F |

## Three Way Gauge Valve



**Application**
- Permits checking or replacing a gauge without shutting down the whole line

**Material**
- Disc: rubber

| NPT Thread | Working Pressure (PSI) | Brass Part # |
|---|---|---|
| 1/4" | **175** | TWGV25 |

## PITOT Gauge



**Feature**
- Supplied with handle grip, case, and fire stream/friction loss data

**Specification**
- Liquid-filled gauge: **0-160 PSI** is standard, other pressures available; contact Dixon

| Part # |
|---|
| PG8083 |

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## Sprinkler Line Tester



**Application**
- Installs on the last sprinkler head on system branch lines and controls water flow for flushing or testing the system

| Inlet | Outlet | Brass Part # |
|---|---|---|

## Dixon® Coupling Lubricant

### Application

- For use in assembly operations involving natural or synthetic rubber or plastic. Also an excellent lubricant when rubber or plastic needs to be cut, machined, pressed, turned, trimmed, or ground




### Features

- Biodegradable lubricant for coupling shanks, O-rings, hoses, sleeves, rubber washers, and grommets
- Once coupling lubricant dries, slipping action goes away

| Size | Part # |
|---|---|
| 1 liter | DCL20 |
| 4 liters | DCL80 |

## WD-40 Smart Straw

### Features

- Permanently attached straw
- Flip up for a precision spray; flip down for regular spray action
- Sold in case quantities only
- Should not be used as a lubricant for coupling shanks




| Size | Part # | Case Qty |
|---|---|---|
| 11 oz. | WD40 | 12 |



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## Dixon® Soft Hose Mallet



**Application**
- Soft mallet for pounding metal objects without damaging them

**Features**
- Head material is firmly attached to strong shaft-handle and will not crack
- Length: 23"
- Weight: 10 lbs.

| Part # |
|---|
| DCM1 |

## Dixon Hose Knife



**Application**
- For fast cutting of rubber hose and belting

**Feature**
- Guard protects hand while cutting

| Part # |
|---|
| DRK15 |

## Diameter Tape




**Application**
- 6' tape for quickly finding the outside diameter of any cylindrical object

**Features**
- Converts circumference to O.D. at the measured point
- ABS case

| Part # |
|---|
| DDT1 |

## Screw Pitch Gauge



**Application**
- Used to determine threads per inch

**Feature**
- 30 leaves

| Stainless Steel<br>Part # |
|---|
| TPG |



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## Safety Tag

### Application
- Dixon® strongly recommends the use of a safety tag or warning label on all hose assemblies

### Feature
- Sold in quantities of 100 only

| Length | Width | Part # |
|---|---|---|
| 5" | 2-3/8" | DWL100 |




WARNING!!
- Worn-out hose fittings should be replaced
- Loose clamps on hose can be dangerous
- Bolt type clamps should be retensioned regularly
- For extra safety, retaining devices such as clips, chains, or cables must be used

## Safety Tape

### Application
- Dixon strongly recommends the use of a safety tag or warning label on all hose assemblies

### Feature
- Length of tape - 55 yards, approximately 255 warnings

| Length | Part # |
|---|---|
| 1-1/2" | DSTW |




WARNING!!
- Worn-out hose fittings should be replaced
- Loose clamps on hose can be dangerous
- Bolt type clamps should be retensioned regularly
- For extra safety, retaining devices such as clips, chains, or cables must be used

## Stretch Straps



**Features**
- Durable tie down straps
- Length does not include S-hooks

**Materials**
- Made of EPDM
- S-hooks are steel

| Length | Part # |
|---|---|
| 10" | SSE10 |
| 15" | SSE15 |
| 21" | SSE21 |
| 31" | SSE31 |
| 41" | SSE41 |

WARNING!!
Failure to comply with this warning may result in serious damage and/or personal injury.
Maximum end to end safe stretch = 150% of length

- Do not exceed maximum safe stretch
- Inspect before each use. Do not use if strap is cut, cracked, or abraded
- Inspect hooks for damage and/or wear. Replace if needed
- Protect strap from sharp edges or heat
- Wear eye protection during use
- Do not use this product as the primary tie down
- Refer to federal or state regulations for proper tie down methods

## Pick Head Fire Axe





**Size**
- 36" hickory handle

**Feature**
- Red trim

**Approval**
- Listed in the minimum requirements approval guides for outfitting hose houses and hose cabinets by insurance underwriters

| Description | Part # |
|---|---|
| 6 lb. axe | PHFA6 |
| axe brackets | PHFA-B-A |

# Spiral Hose and Cable Protection

### Application
- Used in mining, quarrying, forestry, offshore industries, and most hydraulic hose applications

### Features
- Crush and high abrasion resistance
- Virgin high density polyethylene
- Chemical and UV ray resistant
- Self-lubricating to reduce hose wear
- Easy to install on-site
- Smooth radius on all edges
- Can be used on single or multiple hose bundles
- Spiral guard I.D. is equal to the guard at rest
- Sold in coil lengths only

## Flame Retardant Product

### Features
- Flame retardant, self extinguishing, anti static
- Color: black

### Specification
- Temperature range: **-148°F** to **262°F (-100°C** to **128°C)**

### Approval
- Approved by MSHA #1C-282



| Nominal I.D. | Coil Length | Part # |
|---|---|---|
| .50" | 66' | FRSGX16 |
| .62" | 66' | FRSGX20 |
| .875" | 66' | FRSGX25 |
| 1.00" | 66' | FRSGX32 |
| 1.50" | 66' | FRSGX40 |
| 1.75" | 66' | FRSGX50 |
| 2.00" | 66' | FRSGX63 |
| 2.63" | 66' | FRSGX75 |
| 3.00" | 66' | FRSGX90 |
| 4.00" | 40' | FRSGX110 |

## Standard Product

### Feature
- Not flame retardant

### Specification
- Temperature range: **-40°F** to **240°F (-40°C** to **115°C)**



| Nominal I.D. | Coil Length | Part # |
|---|---|---|
| .50" | 66' | NFSGX16 |
| .62" | 66' | NFSGX20 |
| .875" | 66' | NFSGX25 |
| 1.00" | 66' | NFSGX32 |
| 1.50" | 66' | NFSGX40 |
| 1.75" | 66' | NFSGX50 |
| 2.00" | 66' | NFSGX63 |
| 2.63" | 66' | NFSGX75 |
| 3.00" | 66' | NFSGX90 |
| 4.00" | 33' | NFSGX110 |
| 4.57" | 40' | NFSGX125 |
| 5.00" | 27' | NFSGX140 |
| 5.87" | 20' | NFSGX160[1] |

[1] Stock quantity only



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## Fire Jacket for Hose



**Application**
- Used to protect hose and hose assemblies, tubing, piping, wiring, and cables from high temperatures, direct flame, or molten splash

**Size**
- Supplied in 50' lengths

**Features**
- Helps maintain line temperature and reduce environmental overheating and overcooling
- Sleeving slides easily over hose and expands to go over fittings
- Resistant to hydraulic fluids and lubricating oil
- Iron oxide red color
- Made in USA

**Material**
- Compounded silicone rubber coating over fiberglass

**Specification**
- Temperature range: **-65°F** to **500°F (-54°C** to **260°C)**

**Approvals**
- Completely non-asbestos, REACH - ROHS compliant
- Meets flammability requirements of UL 94 HB and UL 94 V-0

| Nominal I.D. | Part # |
|---|---|
| 1/4" | 0610-4 |
| 3/8" | 1010-6 |
| 1/2" | 1310-8 |
| 5/8" | 1610-10 |
| 3/4" | 1910-12 |
| 7/8" | 2210-14 |
| 1" | 2510-16 |
| 1-1/4" | 3210-20 |
| 1-1/2" | 3810-24 |
| 1-3/4" | 4510-28 |
| 2" | 5110-32 |
| 2-1/2" | 6410-40 |
| 3" | 7610-48 |
| 4" | 10210-64 |

## Fire Jacket Tape



**Application**
- Used to seal the ends of fire jackets to prevent fraying and fluid wicking

**Features**
- Completely non-asbestos
- Iron oxide red color
- Made in USA

**Specification**
- Temperature range: **-45°F** to **380°F (-45°C** to **200°C)**

| Size | Length | Silicone Rubber Part # |
|---|---|---|
| 1" | 12 yards | FTH100 |

## Non-Adhesive Fire Tape



**Features**
- Fluid resistant to hydraulic fluids and lubricating oils
- Should be installed in a spiral wrap utilizing 30% to 50% overlap
- Iron oxide red color
- Made in USA

**Material**
- Fiberglass coated silicone rubber

**Specification**
- Temperature range: **-65°F** to **500°F (-54°C** to **260°C)**

| Width | Length | Fiberglass Coated Silicone Rubber Part # |
|---|---|---|



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## Fiberglass Sleeving

**Features**
- Braided from texturized E-glass filament yarns. Untreated tubing is flexible and expands to cover changing diameters
- Supplied in a continuous length of 100'
- Made in the USA

**Specifications**
- Thermal insulation protection in applications with service temperatures up to **1000°F(538°C)**
- 1/16" wall thickness

| Nominal I.D. | Fiberglass Part # |
|---|---|
| 1/4" | LW04200 |
| 3/8" | LW06200 |
| 1/2" | LW08200 |
| 5/8" | LW10200 |
| 3/4" | LW12200 |
| 7/8" | LW14200 |
| 1" | LW16200 |
| 1-1/4" | LW20200 |
| 1-1/2" | LW24200 |
| 2" | LW32200 |
| 2-1/2" | LW40200 |
| 3" | LW48200 |
| 3-1/2" | LW56200 |
| 4" | LW64200 |



## Kevlar® Protective Sleeves

**Features**
- Braided, cut-resistant 100% genuine Kevlar fiber sleeve provides excellent flexibility
- Provides protection for hydraulic hoses, full lines, wires, cables, and many other systems
- 3000 denier ballistic grade Kevlar; nonirritating fiber
- Made in the USA

**Specification**
- Working temperature: continuous **320°F (160°C)**, short term **570°F (300°C)**

| Sleeve I.D. | 100' spool Part # |
|---|---|
| 1/2" (13 mm) | KS08200 |
| 3/4" (19 mm) | KS12200 |
| 1" (25 mm) | KS16200 |
| 1-1/4" (32 mm) | KS20200 |
| 1-1/2" (38 mm) | KS24200 |
| 1-3/4" (44 mm) | KS28200 |
| 2" (51 mm) | KS32200 |
| 2-1/2" (64 mm) | KS40200 |
| 3" (76 mm) | KS48200 |
| 3-1/2" (89 mm) | KS56200 |
| 4" (102 mm) | KS64200 |



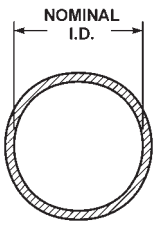
## Nylon Protective Sleeves - MSHA Accepted

**Features**
- Woven tubular sleeving, for use as a protective covering on hydraulic and industrial hose
- Tight weave of seamless tubular sleeving helps dispense the flow of fluid in a ruptured hose
- Not continous roll/has splices

**Approval**
- MSHA accepted, withstands temperatures up to **275°F (135°C)**, passes flammability tests

| Nominal I.D. | Outside Flat | 100' rolls Part # | 300' rolls Part # |
|---|---|---|---|
| 0.90" | 1.50" | DHS90-100 | DHS90-300 |
| 1.00" | 1.66" | DHS100-100 | DHS100-300 |
| 1.13" | 1.88" | DHS106-100 | DHS106-300 |
| 1.25" | 2.13" | DHS122-100 | DHS122-300 |
| --- | --- | --- | --- |
| 1.42" | 2.50" | DHS142-100 | DHS142-300 |
| --- | --- | --- | --- |
| 1.78" | 2.88" | DHS175-100 | DHS175-300 |
| 1.91" | 3.00" | DHS181-100 | DHS181-300 |
| 2.18" | 3.63" | DHS219-100 | DHS219-300 |
| 2.38" | 3.88" | DHS238-100 | DHS238-300 |
| 2.65" | 4.25" | DHS263-100 | DHS263-300 |
| 2.86" | 4.75" | DHS288-100 | DHS288-300 |









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## Spring Guard



**Application**
- Protects hose against the effects of flexing at its most vulnerable point - immediately behind the coupling

**Features**
- Optional end tang allows end guard to be secured under a clamp or ferrule
- Wire fits most hose O.D.s from 1/2" to 3-1/4." Contact Dixon® for custom sizes or lengths

### With Tang

| Guard I.D. | Wire Gauge | Overall Length | Tang Length | Approx. # of Coils/Ft. | Galvanized Steel Part # | 304 Stainless Steel Part # |
|---|---|---|---|---|---|---|
| 3/4" | 0.175 | 12" | 1" | 33 | SEGC1-0.75-12 | SEGS1-0.75-12 |
| 1" | 0.175 | 12" | 1" | 33 | SEGC1-1.00-12 | SEGS1-1.00-12 |
| 1-1/4" | 0.175 | 14" | 2" | 39 | SEGC1-1.25-14 | SEGS1-1.25-14 |
| 1-1/2" | 0.175 | 14" | 2" | 39 | SEGC1-1.50-14 | SEGS1-1.50-14 |
| 1-3/4" | 0.175 | 16" | 2" | 44 | SEGC1-1.75-16 | SEGS1-1.75-16 |
| 2" | 0.280 | 16" | 2" | 44 | SEGC1-2.00-16 | SEGS1-2.00-16 |
| 2-1/2" | 0.280 | 18" | 2" | 50 | SEGC1-2.50-18 | SEGS1-2.50-18 |
| 3" | 0.280 | 18" | 2" | 50 | SEGC1-3.00-18 | SEGS1-3.00-18 |



### Without Tang

| Guard I.D. | Wire Gauge | Overall Length | Approx. # of Coils/Ft. | Galvanized Steel Part # | 304 Stainless Steel Part # |
|---|---|---|---|---|---|
| 3/4" | 0.175 | 12" | 33 | SEGC0-0.75-12 | SEGS0-0.75-12 |
| 1" | 0.175 | 12" | 33 | SEGC0-1.00-12 | SEGS0-1.00-12 |
| 1-1/4" | 0.175 | 14" | 39 | SEGC0-1.25-14 | SEGS0-1.25-14 |
| 1-1/2" | 0.175 | 14" | 39 | SEGC0-1.50-14 | SEGS0-1.50-14 |
| 1-3/4" | 0.175 | 16" | 44 | SEGC0-1.75-16 | SEGS0-1.75-16 |
| 2" | 0.280 | 16" | 44 | SEGC0-2.00-16 | SEGS0-2.00-16 |
| 2-1/2" | 0.280 | 18" | 50 | SEGC0-2.50-18 | SEGS0-2.50-18 |
| 3" | 0.280 | 18" | 50 | SEGC0-3.00-18 | SEGS0-3.00-18 |

## Continuous Spring Guard

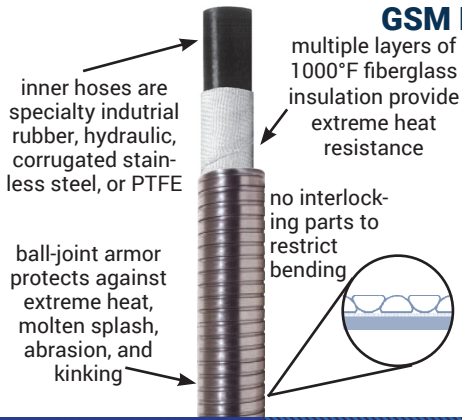


**Application**
- Protects hose from external abrasion and helps resist over flexing

**Features**
- Fits tight to hose reducing the potential for snagging
- Contact Dixon at at 888.226.4673 for custom lengths or sizes

| Guard I.D. | Wire Gauge | Overall Length | Approx. # of Coils/Ft. | Galvanized Steel Part # | 304 Stainless Steel Part # |
|---|---|---|---|---|---|
| 3/4" | 0.175" | 25' | 33' | CWG-C-0.75-25 | CWG-S-0.75-25 |
| 1" | 0.175" | 25' | 33' | CWG-C-1.00-25 | CWG-S-1.00-25 |
| 1-1/4" | 0.175" | 25' | 33' | CWG-C-1.25-25 | CWG-S-1.25-25 |
| 1-1/2" | 0.175" | 25' | 33' | CWG-C-1.50-25 | CWG-S-1.50-25 |
| 1-3/4" | 0.175" | 25' | 33' | CWG-C-1.75-25 | CWG-S-1.75-25 |
| 2" | 0.280" | 25' | 33' | CWG-C-2.00-25 | CWG-S-2.00-25 |
| 2-1/2" | 0.280" | 25' | 33' | CWG-C-2.50-25 | CWG-S-2.50-25 |
| 3" | 0.280" | 25' | 33' | CWG-C-3.00-25 | CWG-S-3.00-25 |

## GSM Ball-Joint Armored Hose Assemblies




**Application**
- Includes but not limited to: water cooling hose, oxygen supply hose, hydraulic hose, natural gas hose, black liquor hose, steam hose

**Sizes**
- 1/4" through 16" bore
- Lengths to 120'

**Features**
- Extremely flexible armor protects from heat, slag splash, and harsh environments
- Temperature rating depends on specific applications; consult Dixon
- A variety of end connections are available. Contact

**Materials**
- Armor: galvanized steel or stainless steel
- Wide selection of inner hoses specific to the demands of the application are industrial, hydraulic, stainless steel, or PTFE

**Specification**
- Heat resistant insulation to **1000°F**

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## Pressure Washer Display .....1072 - 1076

E-series hydraulic couplings.....1073
Pressure washer display blue bins .....1073
Swiveling quick couplings .....1074
Fixed quick coupling plugs.....1074
Quick connect spray nozzles.....1074
Multi-pack quick connect nozzles.....1074
Turbo nozzles .....1075
Pressure washer spray nozzles.....1075
Pressure spray gun - anti-fatigue .....1075
Pressure spray gun - molded grip extension .....1076
Poster.....1076
Sign holder.....1076
End cap sign .....1076
Shelf graphic .....1076

## Garden Hose Display .....1077 - 1082

GHT ball valve.....1078
Quick connects.....1078
Short shank fittings.....1078
Menders.....1078
Sweeper nozzle .....1078
Adjust-A-power nozzle .....1078
Twist nozzle.....1079
Insulated water nozzles.....1079
Filter washers.....1079
Black SBR washer .....1079
Female GHT adapter .....1079
Hydrant adapters - pin lug .....1079
Y coupler.....1080
Y valve.....1080
Plain hose nozzles .....1080
GHT 4-valve manifold.....1080
Constant flow nozzle displays .....1080
Worm gear clamps .....1081
Rubber vinyl garden hose .....1081
Contractors EPDM water hose .....1081
Poster.....1082
Sign holder.....1082
End cap sign .....1082
Shelf graphic .....1082

## Pneumatic Display.....1083 - 1089

B07 carded miniature filter/regulators .....1084
F07 carded miniature filter .....1084
R07 carded miniature regulator .....1084
L07 carded miniature lubricator.....1084
Heavy-duty tire pressure gauge .....1085
Dual foot tire pressure gauge.....1085
Professional tire pressure gauge .....1085
Male NPTF x hose barb.....1085
5-Part kit DF-series industrial 1/4" body x 1/4" thread .....1086
2-Part kit M-series ARO 1/4" body x 1/4" thread .....1086
2-Part kit J-series automotive 1/4" body x 1/4" thread.....1086
2-Part kit DF-series industrial 1/4" body x 1/4" thread .....1086
Non-safety rubber tip blow gun.....1087
Air chief safety blow gun .....1087
3 in 1 manifold.....1087
Pinch-on clamp service kit .....1087
ABS standard dry gauges kit-retail package .....1088
Polyurethane air hose.....1088
Coil-chief self-storing air hose.....1088
Polyurethane self-storing air hose .....1088
Air tool lubricants.....1089
Poster.....1089
Sign holder.....1089
End cap sign.....1089
Shelf graphic .....1089

## Hydraulic Display .....1090 - 1093

HT-series .....1091
AG-series ..... 1091 - 1093

## Outside Air Display.....1094 - 1101

Air King® safety clip .....1095
Air King lanyard .....1095
Air King washers .....1095
Soft seat safety pop-off valve .....1095
Steel 3500 male nipples .....1095
Dix-lock® seal kit.....1095
Dual-lock seal kit .....1095
Air King .....1096
Air King clamps .....1096
Boss ground joint couplings with female spud.....1097
Boss clamps.....1097
Dix-lock coupler.....1098
Dix-lock plug.....1098
Dual-lock coupler .....1098
Dual-lock plug.....1098
Safety check valves .....1099
King cable® .....1099
In-line lubricators .....1100
Air tool lubricants.....1100
Anti-freeze lubricants.....1100
Safety vented ball valves.....1101
Whip hose.....1101
Sign holder.....1101

## Pressure Washer Display

The pressure washer display offers a wide variety of nozzles for different types of angles and sprays. This display is easily customizable and provides space for additional pressure washing products.




**PART #: PW-RETAILKIT**

**Features**
- Retail packaging
- Retail display signage
- Posters
- Barcodes

NOTE: Shelving is not included.



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# E-Series Hydraulic Couplings

## Features

- Couplers have no internal valves, which provides maximum flow with minimum pressure drop
- Contact Dixon® for additional seal material options
- Contact Dixon for pressure ratings and other technical information
- Interchanges with Parker ST, Foster FST, Hansen ST, and Tomco ST couplings
- Do not disconnect with pressure in line

## Specification

- Nitrile rubber seals are standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

### Straight Through Female Threaded Couplers

| Body Size | Threads | Required Case Qty | Brass Part # |
|---|---|---|---|
| 1/4" | 1/4" - 18 NPTF | 20 | PW-2EF2-B |
| 3/8" | 3/8" - 18 NPTF | 20 | PW-3EF3-B |



### Straight Through Male Threaded Couplers

| Body Size | Threads | Required Case Qty | Brass Part # |
|---|---|---|---|
| 1/4" | 1/4" - 18 NPTF | 20 | PW-2EM2-B |
| 3/8" | 3/8" - 18 NPTF | 20 | PW-3EM3-B |



### Straight Through Female Threaded Plugs

| Body Size | Threads | Required Case Qty | Steel Part # | Brass Part # |
|---|---|---|---|---|
| 1/4" | 1/4" - 18 NPTF | 20 | --- | PW-E2F2-B |
| 3/8" | 3/8" - 18 NPTF | 20 | PW-E3F3 | PW-E3F3-B |



steel



brass

### Straight Through Male Threaded Plugs

| Body Size | Threads | Required Case Qty | Steel Part # | Brass Part # |
|---|---|---|---|---|
| 1/4" | 1/4" - 18 NPTF | 20 | --- | PW-E2M2-B |
| 3/8" | 3/8" - 18 NPTF | 20 | PW-E3M3 | PW-E3M3-B |



steel



brass

### Pressure Washer Display Blue Bins

**Application**

- To be used with E-Series hydraulic couplings above

| Description | Required Case Qty | Part # |
|---|---|---|
| 1 bin with bin labels - 11" x 8" x 7" | 1 | PW-BLU-BINS |
| 5 bins with bin labels - 7-1/2" x 4" x 3" | 1 | |



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## Swiveling Quick Couplings

**Application**
- For use with AL456 only



PW-AL450



PW-AL453

**Specifications**
- Working pressure: **3,650 PSI**
- Flow rate: **7.8 GPM**
- Maximum temperature: **300°F (149°C)**

| Description | Required Case Qty | Part # |
|---|---|---|
| 1/4" female x 22 mm x 1.5 mm swivel | 4 | PW-AL450 |
| 3/8" female x 22 mm x 1.5 mm swivel | 4 | PW-AL453 |

## Fixed Quick Coupling Plugs

**Application**
- For use with AL453 and AL9 only



PW-AL454



PW-AL456

**Specifications**
- Working pressure: **3,650 PSI**
- Flow rate: **7.8 GPM**
- Maximum temperature: **300°F (149°C)**

| Description | Required Case Qty | Part # |
|---|---|---|
| 1/4" female x 22 mm x 1.5 mm male | 4 | PW-AL454 |
| 3/8" female x 22 mm x 1.5 mm male | 4 | PW-AL456 |

## Quick Connect Spray Nozzles




| Description | Required Case Qty | Part # |
|---|---|---|
| 1/4" straight through plug inlet, 0° spray angle, size #4, red | 4 | PW-MSP400 |
| 1/4" straight through plug inlet, 15° spray angle, size #4, yellow | 4 | PW-MSP415 |
| 1/4" straight through plug inlet, 25° spray angle, size #4, green | 4 | PW-MSP425 |
| 1/4" straight through plug inlet, 40° spray angle, size #4, white | 4 | PW-MSP440 |

## Multi-Pack Quick Connect Nozzles




| Description | Nozzles Included | Required Case Qty | Part # |
|---|---|---|---|
| 1/4", 65° spray angle, size #40 | NZ6540QCS | 4 | PW-MSP4PAK |
| 1/4", 15° spray angle, size #4, yellow | MSP415 | | |
| 1/4", 25° spray angle, size #4, green | MSP425 | | |
| 1/4", 40° spray angle, size #4, white | MSP440 | | |



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## Turbo Nozzles

**Features**
- 20° spray angle
- Ceramic orifice

**Specification**
- Maximum temperature: **212°F (100°C)**

| Nozzle Size | Description | Orifice | Maximum Working PSI | Required Case Qty | Part # |
|---|---|---|---|---|---|
| 4.0 | 1/4" female inlet | 1.30 mm | **3,700** | 2 | PW-AL-TPR25-30 |
| 5.5 - 6.0 | 1/4" female inlet | 1.50 mm | **3,700** | 2 | PW-AL-TPR25-50 |



PW-AL-TPR25-30



PW-AL-TPR25-50

## Pressure Washer Spray Nozzles

| Description | Required Case Qty | Part # |
|---|---|---|
| 1/4" male inlet, 40° spray angle, size #40, brass | 4 | PW-NZ4040S |
| 1/4" male inlet, 80° spray angle, size #40, brass | 4 | PW-NZ8040S |
| 1/4" male NPT inlet, 15° spray angle, size 4, steel | 4 | PW-NZ1504 |
| 1/4" male NPT inlet, 25° spray angle, size 4, steel | 4 | PW-NZ2504 |
| 1/4" male NPT inlet, 40° spray angle, size 4, steel | 4 | PW-NZ4004 |




## Anti-Fatigue Pressure Spray Gun

**Sizes**
- 3/8" female inlet
- 1/4" female outlet

**Feature**
- Anti-fatigue pressure compensating design

**Specification**
- Temperatures to: **320°F (160°C)**

| Maximum PSI | GPM | Required Case Qty | Part # |
|---|---|---|---|
| **5075** | **12.0** | 4 | PW-HPSG |



## Pressure Spray Gun - Molded Grip Extension



PW-AL323XX



PW-AL324XX

**Application**
- For use with HPSG, HPSGC, HPSGHD, and HPSGW

**Specifications**
- Maximum operating pressure: **5,000 PSI**
- Temperature: **302°F (150°C)**
- Maximum flow rate: **10.5 GPM**

| Length | Description | Required Case Qty | Zinc Part # |
|---|---|---|---|
| 24" | 1/4" male inlet x 1/4" male outlet | 4 | PW-AL323XX |
| 36" | 1/4" male inlet x 1/4" male outlet, 4" space from the end | 4 | PW-AL324XX |




## Poster

| Description | Required Case Qty | Part # |
|---|---|---|
| pressure washer accessories poster | 1 | PW-POSTER |

## Sign Holder



| Description | Required Case Qty | Part # |
|---|---|---|
| end cap sign holder | 2 | SIGNHOLDER |

## End Cap Sign




| Description | Required Case Qty | Part # |
|---|---|---|
| pressure washer accessories end cap sign | 1 | PW-SIGN |

## Shelf Graphic



| Description | Required Case Qty | Part # |
|---|---|---|
| Dixon® shelf graphic | 2 | SHELFGRAPHIC |



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# Garden Hose Display

The garden hose fittings display offers a range of adapters and connectors, along with two styles of hoses. This display reminds your customers of their garden hose-related needs: demanding industrial clean up or at-home projects.




**PART #: GHD-RETAILKIT**

**Features**
- Retail packaging
- Retail display signage
- Posters
- Barcodes

NOTE: Shelving is not included.




## GHT Ball Valve

**Specifications**
- Maximum temperature: **140°F (60°C)** (hot water)
- Working pressure: **100 PSI**

| Description | Required Case Qty | Forged Brass Part # |
|---|---|---|
| 3/4" male GHT x female GHT | 6 | GHD-500GHV |




## Quick Connects

**Feature**
- Easy push-pull ring for long-lasting and quick hose attachments

**Specifications**
- Maximum operating pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- Maximum temperature: **140°F (60°C)**

| Description | Required Case Qty | Kit Contains Part # | Brass Part # |
|---|---|---|---|
| complete assembly, female GHT coupler x male GHT plug | 6 | 500QCF (2)<br>500QCM | GHD-500QCK |




## Short Shank Fittings

**Features**
- Extended male GHT - deeper thread
- Complete coupling set is shipped unassembled

| Hose Size | Required Case Qty | Kit Contains Part # | Brass Part # |
|---|---|---|---|
| 3/4" | 6 | 5851212C<br>5881212C | GHD-5891212K |




## Menders

| Hose Size | Required Case Qty | Kit Contains Part # | Brass Part # |
|---|---|---|---|
| 3/4" | 6 | 1781212C (2) | GHD-1781212C |




## Sweeper Nozzle

| Thread Size | Discharge | Length | Required Case Qty | Brass Part # |
|---|---|---|---|---|
| 3/4" GHT | 3/16" | 2" | 6 | GHD-PSN76 |




## Adjust-A-Power Nozzle

**Application**
- Ideal for patio, auto and boat, driveway, and garden

**Features**
- Produces 50% more power than twist nozzles
- Does not require a washer
- Leave nozzle in the open position when not in use
- Brass construction with stainless steel bearings

**Specification**
- Maximum operating pressure: **100 PSI** (water only) at ambient temperature **70°F (21°C)**

| Thread Size | Required Case Qty | Brass Part # |
|---|---|---|



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## Twist Nozzle



**Specification**
- Maximum operating pressure **150 PSI** (water only)

| Thread Size | Length | Required Case Qty | Extruded Brass Part # |
|---|---|---|---|
| 3/4" GHT | 4" | 6 | GHD-500AN4 |

## Insulated Water Nozzle



**Features**
- Clip locks to any spray pattern
- Industrial strength nylon handle
- Rubber handle guard
- GHT thread-on head
- Heavy-duty brass valve and adjusting nut

**Specification**
- For use with hot water up to **140°F (60°C)**

| Thread Size | Required Case Qty | Chrome-Plated Zinc Part # |
|---|---|---|
| 3/4" GHT | 4 | GHD-SN75 |

## Washers



### Filter Washer

| Description | Kit Contains Part # | Required Case Qty | FDA black PVC duro, 70a Part # |
|---|---|---|---|
| 304 stainless steel mesh, FDA black 70a duro PVC | 5911212F (4) | 6 | GHD-5911212F |



### Black SBR Washer

| ID | OD | Duro | Kit Contains Part # | Required Case Qty | Black SBR Part # |
|---|---|---|---|---|---|
| 0.63" | 1.00" | 80 | 5911212W (4) | 100 | GHD-5911212W |

## Female GHT Adapter



| Female x Female | Required Case Qty | Brass Part # |
|---|---|---|
| 3/4" x 3/4" | 6 | GHD-5061212C |

## Hydrant Adapters - Pin Lug



| Female NH | Male GHT | Required Case Qty | Cast Brass Part # |
|---|---|---|---|
| 1-1/2" | 3/4" | 4 | GHD-HA1576 |



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## Y Coupler




**Specifications**
- Maximum working pressure: **100 PSI**
- Maximum temperature: **140°F (60°C)**

| Required Case Qty | Nickel-Plated Brass Part # |
|---|---|
| 6 | GHD-500YC |

## Y Valve




**Feature**
- Double Y valve, swivel inlet - with Higbee cut threads (capped) to prevent cross threading

**Specifications**
- Maximum temperature: **140°F (60°C)** (hot water)
- Working pressure: **100 PSI**

| Description | Required Case Qty | Forged Brass Part # |
|---|---|---|
| double male GHT x female GHT | 6 | GHD-500GHY |

## Plain Hose Nozzles



**Feature**
- Finish: satin

**Specification**
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

| Size | Thread | Overall Length | Orifice | Required Case Qty | Brass Part # |
|---|---|---|---|---|---|
| 3/4" | GHT | 6" | 1/4" | 6 | GHD-BN6 |

## GHT 4-Valve Manifold

**Feature**
- Swivel inlet




**Materials**
- Forged brass body, TPR handle, POM internal valve NBR seals

**Specifications**
- Maximum temperature: **120°F (49°C)**
- Maximum operating pressure: **100 PSI**

| Description | Required Case Qty | Part # |
|---|---|---|
| (4) male GH x female GHT | 4 | GHD-500GH4VBK |

## Constant Flow Nozzle Displays

**Application**
- Shatter-resistant and UV-resistant polycarbonate is able to withstand tough environmental conditions




**Features**
- Seals used for true water shut off
- Easy twist spray pattern adjustment
- Sold in case quantity only (25 per case), with display

| Thread | 45° Spray GPM @ 100 PSI | Color | Required Case Qty | Part # |
|---|---|---|---|---|
| 3/4" GHT | 25.1 | clear | 1 | GHD-CNB75GHT-GD |



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## Worm Gear Clamps

**Features**
- Four-piece construction
- Screw design: 5/16" slotted hex head
- Maximum recommended torque: 50 in. lbs.
- All clamps sold 10 per box



**Materials**
- Band and housing: SAE 300 series stainless
- Screw: SAE 300 series stainless

**Approval**
- Clamp meets SAEJ1508, which supersedes Mil Spec WW-C-440B

| Band Width | Hose OD | | Kit Contains Part # | Required Case Qty | Part # |
|---|---|---|---|---|---|
| | from | to | | | |
| 1/2" | 1/2" | 29/32" | HSS8 | 40 | GHD-HSS8 |
| | 11/16" | 1-1/14" | HSS12 | 40 | GHD-HSS12 |

## Rubber Vinyl Garden Hose

**Features**
- Extra tough, five-ply construction
- Exclusive, soft textured, abrasion-resistant green cover
- Dual reinforced, heavy-duty, flexible kink-resistance
- Combines durability of rubber and easy handling of vinyl
- SEAL-TITE leakproof coupling




**Specifications**
- Working pressure: **400 PSI**
- Temperature range: **0°F** to **140°F (-18°C** to **60°C)**

| Size | Required Case Qty | Rubber Vinyl Part # |
|---|---|---|
| 5/8" x 50' | 2 | GHD-SGH50 |

## Contractors EPDM Water Hose

**Features**
- Heavy-duty, crush-proof solid brass couplings with wrench grips
- Spiral synthetic cord reinforcement
- Black cover



**Specifications**
- Working pressure: **150 PSI**
- Temperature range: **-20°F** to **180°F (-29°C** to **82°C)**

| Size | Required Case Qty | EPDM Part # |
|---|---|---|
| 3/4" x 50' | 2 | GHD-CWH50 |

## Clamp Rack



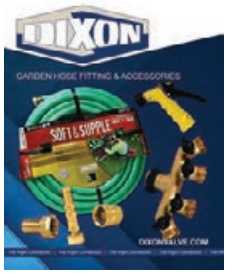

**Size**
- Rack with clamps contains nine clamp sizes with diameter ranges from 7/32" to 2-3/4"

**Features**
- Sign identifies each clamp size and diameter range
- Clamps included are: 30 of part# MH4, 30 of part# MH6, 20 of part# HS10, 20 of part# HS12, 20 of part# HS20, 20 of part# HS24, 20 of part# HS28, 20 of part# HS32, 20 of part# HS36

**Material**
- Top load metal rack made of nickel plated steel rods with enameled steel sign

| Description | Required Case Qty | Part # |
|---|---|---|
| with 200 clamps | 1 | CRWC |

## Poster




| Description | Required Case Qty | Part # |
|---|---|---|
| garden hose fittings poster | 1 | GHD-POSTER |

## Sign Holder



| Description | Required Case Qty | Part # |
|---|---|---|
| end cap sign holder | 2 | SIGNHOLDER |

## End Cap Sign




| Description | Required Case Qty | Part # |
|---|---|---|
| garden hose fittings end cap sign | 1 | GHD-SIGN |

## Shelf Graphic



| Description | Required Case Qty | Part # |
|---|---|---|
| Dixon shelf graphic | 2 | SHELFGRAPHIC |



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# Pneumatic Display

The pneumatic fittings display offers several parts, from FRLs to quick disconnects, while keeping a single product focus. This display gives your customers the flexibility to choose which fittings work best with their pneumatic systems.




**PART #: PND-RETAILKIT**

**Features**
- Retail packaging
- Retail display signage
- Posters
- Barcodes

NOTE: Shelving is not included.

## B07-Series Carded Miniature Filter/Regulators




**Features**
- Relieving type
- 5 micron element
- 1 oz. reservoir
- Push-to-lock adjusting knob
- Supplied with a GC620 gauge
- Bowl guard not available
- Transparent bowl

**Specifications**
- Pressure range: **5-100 PSI**
- Inlet pressure: **150 PSI** maximum
- Maximum temperature: **125°F (52°C)**

| Port Size | Flow (SCFM) | Required Case Qty | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|---|
| 1/4" | 14 | 4 | PND-B07-202AGC | PND-B07-202MGC |

## F07-Series Carded Miniature Filters




**Features**
- 5 micron element
- 1 oz. reservoir
- Transparent bowl

**Specifications**
- Inlet pressure: **150 PSI** maximum
- Maximum temperature: **125°F (52°C)**

| Port Size | Flow (SCFM) | Required Case Qty | Automatic Drain Part # | Manual Drain Part # |
|---|---|---|---|---|
| 1/4" | 24 | 4 | PND-F07-200AC | PND-F07-200MC |

## R07-Series Carded Miniature Regulator

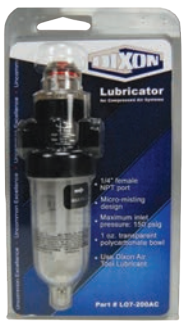



**Features**
- Relieving type
- Supplied with a GC620 gauge

**Specifications**
- Pressure range: **5-100 PSI**
- Inlet pressure: **250 PSI** maximum
- Maximum temperature: **150°F (66°C)**

| Port Size | Flow (SCFM) | Required Case Qty | With Gauge Part # |
|---|---|---|---|
| 1/4" | 15 | 4 | PND-R07-200RGC |

## L07-Series Carded Miniature Lubricator




**Feature**
- 1 oz. reservoir

**Specifications**
- Inlet pressure: **150 PSI** maximum
- Maximum temperature: **125°F (52°C)**

| Port Size | Flow (SCFM) | Required Case Qty | With Transparent Bowl Part # |
|---|---|---|---|
| 1/4" | 14 | 4 | PND-L07-200AC |

SCFM ratings given at 100 PSIG inlet pressure for regulators, 90 PSIG for others.



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## Heavy Duty Tire Pressure Gauge



**Size**
- 12" hose with swivel dual foot chuck inflator

**Feature**
- Tapered chuck nut fits wheel cover holes on cars and light trucks

**Specification**
- Calibrated in **2 PSI** increments from **10** to **120 PSI**

| Required Case Qty | Part # |
|---|---|
| 3 | PND-D101 |

## Tire Inflator Chuck




**Application**
- For direct connection to live air only

**Features**
- Ball foot chuck
- Features a built-in shutoff valve (will not work on inflator gauges)

**Specifications**
- 1/4" NPT female thread
- Maximum pressure: **150 PSI**

| Required Case Qty | Brass Part # |
|---|---|
| 6 | PND-D104 |

## Dual Foot Tire Pressure Gauge



**Feature**
- Heavy-duty hang-up ring

**Specification**
- Calibrated in **2 PSI** increments from **10** to **150 PSI**

| Required Case Qty | Part # |
|---|---|
| 6 | PND-DFG2 |

## Professional Tire Pressure Gauge



**Features**
- Permanently lubricated
- Easy to read, dual calibrated (**PSI** and **kPa**), four-sided nylon indicator bar
- Pocket clip

**Material**
- Body is made of chrome-plated brass; head is chrome-plated zinc

**Specification**
- Calibrated in **1 PSI** increments from **5** to **45 PSI**

| Required Case Qty | Part # |
|---|---|
| 6 | PND-DFG5 |

## Male NPTF x Hose Barb




| Hose ID | Male NPTF | Required Case Qty | Kit Contains Part # | Brass Part # |
|---|---|---|---|---|
| 3/8" | 1/4" | 6 | 1020604C (4) | PND-1020604C |



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## 5 Part Kit DF-Series Industrial 1/4" Body x 1/4" Thread




| Body Size | Threads | Required Case Qty | Kit Contains Part # | Part # |
|---|---|---|---|---|
| 1/4" | 1/4" - 18 NPTF | 6 | D2F2 | PND-DQCKIT1 |
| | | | 2FF2-B | |
| | | | D2M2 (3) | |
| 1/4" | 1/4" - 18 NPTF | 6 | D2F2 | PND-DQCKIT2 |
| | | | 2DF2-B | |
| | | | D2M2 (3) | |

## 2 Part Kit M-Series ARO 1/4" Body x 1/4" Thread




| Body Size | Threads | Required Case Qty | Kit Contains Part # | Part # |
|---|---|---|---|---|
| 1/4" | 1/4" - 18 NPT | 6 | 2MF2-B | PND-DQCKIT3 |
| | | | M2M2 | |

## 2 Part Kit J-Series Automotive 1/4" Body x 1/4" Thread




| Body Size | Threads | Required Case Qty | Kit Contains Part # | Part # |
|---|---|---|---|---|
| 1/4" | 1/4" - 18 NPT | 6 | 2JF2-B | PND-DQCKIT4 |
| | | | J2M2 | |

## 2 Part Kit DF-Series Industrial 1/4" Body x 1/4" Thread




| Body Size | Threads | Required Case Qty | Kit Contains Part # | Part # |
|---|---|---|---|---|
| 1/4" | 1/4" - 18 NPTF | 6 | D2M2 | PND-DQCKIT5 |
| | | | 2FF2-B | |

## 2 Part Kit DF-Series Industrial 1/4" Body x 1/4" Thread




| Body Size | Threads | Required Case Qty | Kit Contains Part # | Part # |
|---|---|---|---|---|
| 1/4" | 1/4" - 18 NPTF | 6 | 2FM2-B | PND-DQCKIT6 |
| | | | D2F2 | |



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## Non-Safety Rubber Tip Blow Gun

The rubber tip will not scratch or mar delicate surfaces. The conical rubber tip can also be used to create a seal between the blow gun and fluid lines (or any other opening). The base of the tip is nickel-plated brass for additional corrosion resistance. *Must be used on air lines having a maximum regulated pressure of* **30 PSI** *in order to comply with OSHA Standard 1910.242 (B). Safety glasses or shield must be worn when using any blow gun.*



**Features**

- Chrome plated zinc die cast body, nickel plated steel lever, vinyl thumb grip, stainless steel spring, brass valve, nitrile rubber seals, and rubber tip with a nickel plated brass base provide corrosion resistance

| Required Case Qty | Part # |
|---|---|
| 6 | PND-D201 |

## Air Chief Safety Blow Gun

The Air Chief safety blow gun is designed to conform to OSHA Standard 1910.242 (B) permitting a maximum of **30 PSI** outlet pressure when dead ended based on a maximum of **150 PSI** inlet pressure, as well as OSHA Standard 1910.95 regulating occupational noise level exposure. *Safety glasses or shield must be worn when using any blow gun.*



**Features**

- Recessed internal slotted screw allows easy access to valve assembly for repairs or replacement
- Chrome plated zinc die cast body, nickel-plated steel lever, vinyl thumb grip, stainless steel spring, brass valve, nitrile rubber seals, and nickel plated brass tip combine for corrosion resistance

| Required Case Qty | Part # |
|---|---|
| 6 | PND-D204-30 |

## 3 in 1 Manifold



**Features**

- Supplies three air-operated tools from a single hose, permitting use of air by more than one mechanic
- Can be mounted to a pipe at workbench or overhead
- Different tools in the shop use different styles of couplers; mount three different style couplers on one manifold

| NPT Inlet (1) | NPT Outlets (3) | Required Case Qty | Aluminum Part # |
|---|---|---|---|
| 3/8" | 1/4" | 6 | PND-D3406 |

## Pinch-On Clamp Service Kit



**Features**

- Plastic kit box contains zinc plated 2-ear clamps: 15 of part #0709, 15 of part #0811, 15 of part #1113, 15 of part #1315, 15 of part #1518, 12 of part #1720, 12 of part #2023, 12 of part #2225, 12 of part #2327, and 1 pair of standard jaw pincers, part# 1098

| Required Case Qty | Part # |
|---|---|
| 2 | PND-SK1098 |

## ABS Standard Dry Gauges Kit-Retail Package




| Description | Kit Contains Part # | Required Case Qty | ABS Part # |
|---|---|---|---|
| dry gauge center back mount | GC230 (4) | 1 | PND-GAUGEKIT1 |
| dry gauge lower mount | GL130 (7) | | |

## Polyurethane Air Hose
**(fittings included)**



**Features**
- Durable and lightweight
- Reinforced braid allows for higher working pressure
- Excellent flexibility
- Oil resistant
- Durometer: Shore A 85

**Specifications**
- Temperature range: **-40°F** to **155°F (-40°C** to **68°C)**
- Working pressure: **210 PSI** at **70°F (21°C)**

| Hose ID | Length | Male NPT | Required Case Qty | Polyurethane Part # |
|---|---|---|---|---|
| 1/4" | 50' | 1/4" | 3 | PND-450-4S |

## Coil-Chief Self-Storing Air Hose
**(fittings included)**



**Feature**
- Supplied with swivel on one end

**Material**
- Nylon construction

| Hose ID | Length | Male NPT | Working Pressure (PSI) @ 70°F (21°C) | Required Case Qty | Nylon Part # |
|---|---|---|---|---|---|
| 1/4" | 12' | 1/4" | **185** | 3 | PND-CC1412 |

## Polyurethane Self-Storing Air Hose
**(fittings included)**

**Features**
- Extremely flexible; resists kinking
- Impervious to abrasions and oil
- Superior elasticity and coil memory
- Both ends swivel



| Hose ID | Length | Male NPT | Working Pressure (PSI) @ 70°F (21°C) | Required Case Qty | Polyurethane Part # |
|---|---|---|---|---|---|
| 1/4" | 25' | 1/4" | **125** | 3 | PND-PU1425 |



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## Air Tool Lubricants




**Application**
- High-grade lubricant prolongs the service life of air tools, cylinders, and accessories

**Features**
- #10 weight lubricant
- Prohibits rust and removes moisture as it lubricates
- Non-corrosive, non-reactive, and does not decompose
- Easy pour spout helps prevent costly spills

| Size | Required Case Qty | Part # |
|---|---|---|
| 1 pint | 4 | PND-DATL016 |
| 1 gallon | 2 | PND-DATL128 |

## Poster




| Description | Required Case Qty | Part # |
|---|---|---|
| pnuematic fittings poster | 1 | PND-POSTER |

## Sign Holder



| Description | Required Case Qty | Part # |
|---|---|---|
| end cap sign holder | 2 | SIGNHOLDER |

## End Cap Sign




| Description | Required Case Qty | Part # |
|---|---|---|
| pnuematic fittings end cap sign | 1 | PND-SIGN |

## Shelf Graphic

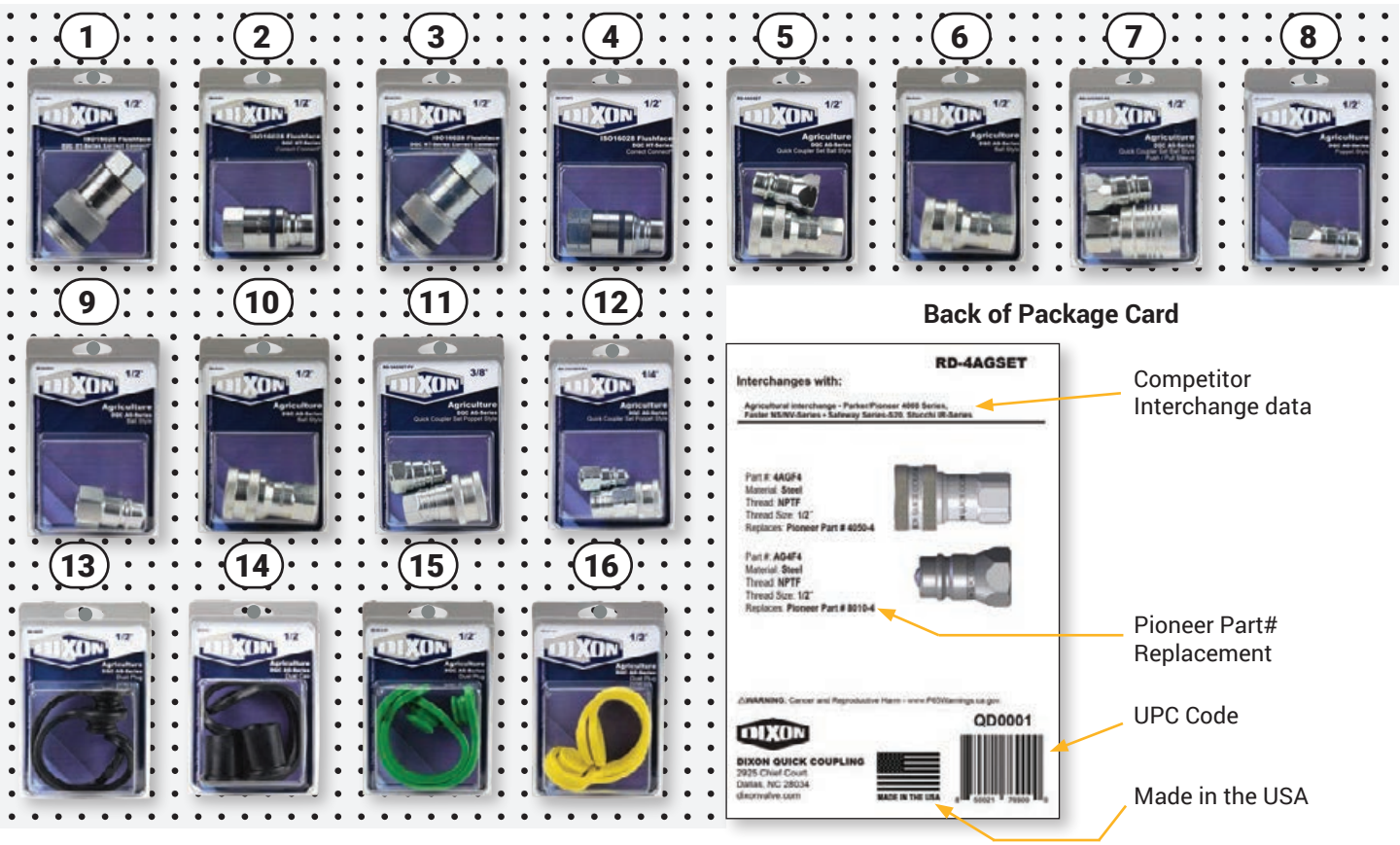


| Description | Required Case Qty | Part # |
|---|---|---|
| Dixon shelf graphic | 2 | SHELFGRAPHIC |

## Hydraulic Display

The hydraulic display features the most popular poppet and flushface style quick disconnect fittings in an attractive packaging making it easily noticeable.

New




### Back of Package Card




Competitor Interchange data

Pioneer Part# Replacement

UPC Code

Made in the USA

**PART #: RD-RETAILKIT**

**Features**

- Retail packaging
- Retail display signage
- Posters
- Barcodes

NOTE: Shelving is not included.



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## HT-Series ISO16028 Coupler



| Body Size | Threads | Required Case Qty | Kit Contains Part # | Part # |
|---|---|---|---|---|
| 1/2" | 1/2" F-NPTF | 4 | 4HTF4 | RD-4HTF4 |

## HT-Series ISO16028 Plug



| Body Size | Threads | Required Case Qty | Kit Contains Part # | Part # |
|---|---|---|---|---|
| 1/2" | 1/2" F-NPTF | 4 | HT4F4 | RD-HT4F4 |

## HT-Series ISO16028 ORB Coupler



| Body Size | Threads | Required Case Qty | Kit Contains Part # | Part # |
|---|---|---|---|---|
| 1/2" | 7/8"-14 ORB | 4 | 4HTOF5 | RD-4HTOF5 |

## HT-Series ISO16028 ORB Plug



| Body Size | Threads | Required Case Qty | Kit Contains Part # | Part # |
|---|---|---|---|---|
| 1/2" | 7/8"-14 ORB | 4 | HT4OF5 | RD-HT4OF5 |

## AG-Series Coupler and Plug Set



| Body Size | Threads | Required Case Qty | Kit Contains Part # | Part # |
|---|---|---|---|---|
| 1/2" | 1/2" F-NPTF | 4 | 4AGF4, AG4F4 | RD-4AGSET |

## AG-Series Coupler



| Body Size | Threads | Required Case Qty | Kit Contains Part # | Part # |
|---|---|---|---|---|
| 1/2" | 1/2" F-NPTF | 4 | 4AGF4 | RD-4AGF4 |



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## AG-Series Push-Pull Ball Coupler and Plug Set

| Body Size | Threads | Required Case Qty | Kit Contains Part # | Part # |
|---|---|---|---|---|
| 1/2" | 1/2" F-NPTF | 4 | 4AGF4-PS, AG4F4 | RD-4AGSET-PS |




## AG-Series Poppet Plug

| Body Size | Threads | Required Case Qty | Kit Contains Part # | Part # |
|---|---|---|---|---|
| 1/2" | 1/2" F-NPTF | 4 | AG4F4-PV | RD-AG4F4-PV |




## AG-Series Ball ORB Plug

| Body Size | Threads | Required Case Qty | Kit Contains Part # | Part # |
|---|---|---|---|---|
| 1/2" | 3/4"-16 ORB | 4 | AG4OF4 | RD-AG4OF4 |




## AG-Series Ball Plug

| Body Size | Threads | Required Case Qty | Kit Contains Part # | Part # |
|---|---|---|---|---|
| 1/2" | 1/2" F-NPTF | 4 | AG4F4 | RD-AG4F4 |




## AG-Series Poppet Coupler and Plug Set

| Body Size | Threads | Required Case Qty | Kit Contains Part # | Part # |
|---|---|---|---|---|
| 3/8" | 3/8" F-NPTF | 4 | 3AGF3-PV, AG3F3-PV | RD-3AGSET-PV |




## AG-Series Poppet Coupler and Plug Set

| Body Size | Threads | Required Case Qty | Kit Contains Part # | Part # |
|---|---|---|---|---|
| 1/4" | 1/4" F-NPTF | 4 | 2AGF2-PV, AG2F2-PV | RD-2AGSET-PV |



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## AG-Series Dust Plug

| Body Size | Color | Required Case Qty | Kit Contains Part # | Part # |
|---|---|---|---|---|
| 1/2" | black | 4 | 4KDP (x2) | RD-4KDP |




## AG-Series Dust Cap

| Body Size | Color | Required Case Qty | Kit Contains Part # | Part # |
|---|---|---|---|---|
| 1/2" | black | 4 | K4DC (x2) | RD-K4DC |




## AG-Series Dust Plug - Green

| Body Size | Color | Required Case Qty | Kit Contains Part # | Part # |
|---|---|---|---|---|
| 1/2" | green | 4 | 4K-G-DP (x2) | RD-4K-G-DP |




## AG-Series Dust Plug - Yellow

| Body Size | Color | Required Case Qty | Kit Contains Part # | Part # |
|---|---|---|---|---|
| 1/2" | yellow | 4 | 4K-Y-DP (X2) | RD-4K-Y-DP |



## Outside Air Display

The outside air display features high demand construction hose couplings, whip hose assemblies, and other accessories.

New




**PART #: OA-RETAILKIT**

**Features**
- Retail packaging
- Retail display signage
- Posters
- Barcodes

NOTE: Shelving is not included.



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## Air King® Safety Clip

| Description | Required Case Qty | Contents | Part # |
|---|---|---|---|
| Air King safety clip, diameter .080" | 5 | AC1 (25) | OA-AC1 |




## Air King Lanyard

| Description | Required Case Qty | Contents | Part # |
|---|---|---|---|
| Synthetic Air King lanyard 19" long | 5 | ACL8 (25) | OA-ACL8 |




## Air King Washers

| Description | Required Case Qty | Contents | Part # |
|---|---|---|---|
| Black natural rubber Air King washers | 5 | AWR4 (10) | OA-AWR4 |




## Soft Seat Safety Pop-Off Valves

| Description | Required Case Qty | Contents | Part # |
|---|---|---|---|
| 1/4" MNPT safety pop-off valve, brass, **125 PSI** | 4 | KSV10-125 | OA-KSV10-125 |
| 1/4" MNPT safety pop-off valve, brass, **150 PSI** | 4 | KSV10-150 | OA-KSV10-150 |




## Steel 3500 Male Nipple

| Description | Required Case Qty | Contents | Part # |
|---|---|---|---|
| 1/2" barb x 1/2" male NPT 3500 nipple | 4 | 3512 | OA-3512 |




## Dix-Lock® Seal Kit

| Description | Required Case Qty | Contents | Part # |
|---|---|---|---|
| Dix-Lock seal kit | 5 | 4N-SKIT (5) | OA-4N-SKIT |




## Dual-Lock Seal Kit

| Description | Required Case Qty | Contents | Part # |
|---|---|---|---|
| Dual-Lock seal kit | 5 | 4P-SKIT (5) | OA-4P-SKIT |



## Air King®

**⚠WARNING**

- The use of an Air King safety clip or wire type retainer is necessary to ensure Air King universal couplings will not become accidentally disconnected. This guarantees the fittings are properly connected because the safety pin will not go through the holes in mating flanges until couplings are locked in place. Only one Air King safety clip or wire type retainer is required for each Air King universal coupling.

**Feature**
- Supplied with safety clip and rubber washers, part # AWR4

**Specification**
- Pressure rating: **150 PSI** at ambient temperature **70°F (21°C)**

**Approval**
- Meets pressure requirements as specified in A-A-59553 commercial item description superseding Mil Spec.WWC-633D



### 2-Lug Male NPT Ends

| Size | Required Case Qty | Iron Part # |
|---|---|---|
| 3/4" | 6 | AM7 |



### 2-Lug Female NPT Ends

| Size | Required Case Qty | Iron Part # |
|---|---|---|
| 3/4" | 6 | AM8 |



### 2-Lug Hose Ends

| Size | Required Case Qty | Iron Part # |
|---|---|---|
| 3/4" | 6 | AM6 |

## Air King Clamps

**Application**
- For use with Air King ends above



**Feature**
- Torque values for clamps are based on dry bolts. The use of lubricant on bolts will adversely effect clamp performance

| Hose ID | Hose OD | | Required Case Qty | Torque ft. lbs. | Plated Iron Part # |
|---|---|---|---|---|---|
| | from | to | | | |
| 3/4" | 1-8/64" | 1-20/64" | 6 | 21 | A9[1] |

[1] Global investment cast carbon steel



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## Boss® Ground Joint Couplings with Female Spud

### Application
- Leakproof seal forms when the metal head of the stem makes contact with the patented polymer seat in the spud

### Features
- Positive metal-to-polymer seal
- Easy to seal



### Specification
- Recommended for steam service up to **450°F (232°C)**

| Hose Shank x NPT | Required Case Qty | Plated Iron Part # |
|---|---|---|
| 2" | 4 | GF81[1] |

[1] Not to be used with #250, #275, or #306 Boss clamps

## Boss Clamps

**⚠WARNING**

- The bolts used in the Boss interlocking clamps are not standard bolts. They vary from standard bolts in their length, diameter, overall thread length, and material hardness. These bolts can be retorqued, but it is **not** recommended that the bolts or clamps be reused, as they are designed for a single bend only. Dixon® recommends using only factory supplied replacement bolts.
- Torque values for clamps are based on dry bolts. The use of lubricant on bolts will adversely effect clamp performance. *Do not lubricate nuts and bolts.*
- For all Bolt Tightening Sequences, please visit dixonvalve.com

### Features
- Recommended torque rating in ft. lbs.
- Replacement nuts and bolts are available; contact Dixon for more information

### Specification
- Recommended for steam service up to **450°F (232°C)**

**4-Bolt Type, 2-Gripping Fingers**

| Hose ID | Hose OD | | Required Case Qty | Torque ft. lbs. | Zinc Plated Iron Part # |
|---|---|---|---|---|---|
| | from | to | | | |
| 2" | 2-32/64" | 2-50/64" | 4 | 60 | BU29 |





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## Dix-Lock® Couplers



| Body Size | Thread | Required Case Qty | Part # |
|---|---|---|---|
| 1/2" | 3/4" barb | 5 | 4NS6 |



| Body Size | Thread | Required Case Qty | Part # |
|---|---|---|---|
| 1/2" | 3/4"-14 M-NPTF | 5 | 4NM6 |



| Body Size | Thread | Required Case Qty | Part # |
|---|---|---|---|
| 1/2" | 3/4"-14 F-NPTF | 5 | 4NF6 |

## Dix-Lock Plugs



| Body Size | Thread | Required Case Qty | Part # |
|---|---|---|---|
| 1/2" | 3/4"-14 F-NPTF | 5 | N4F6 |



| Body Size | Thread | Required Case Qty | Part # |
|---|---|---|---|
| 1/2" | 3/4" barb | 5 | N4S6-LS |



| Body Size | Thread | Required Case Qty | Part # |
|---|---|---|---|
| 1/2" | 3/4" M-NPTF | 5 | N4M6-LS |

## Dual-Lock Couplers



| Body Size | Thread | Required Case Qty | Part # |
|---|---|---|---|
| 1/2" | 3/4" barb | 5 | 4PS6 |

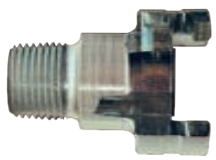


| Body Size | Thread | Required Case Qty | Part # |
|---|---|---|---|
| 1/2" | 3/4" M-NPTF | 5 | 4PM6 |



| Body Size | Thread | Required Case Qty | Part # |
|---|---|---|---|
| 1/2" | 3/4" F-NPTF | 5 | 4PF6 |

## Dual-Lock Plug



| Body Size | Thread | Required Case Qty | Part # |
|---|---|---|---|
| 1/2" | 3/4" M-NPTF | 5 | P4M6 |



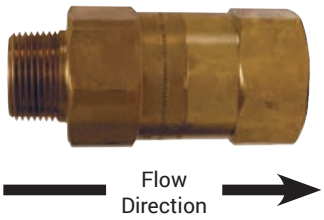
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## Safety Check Valves

### Applications
- Used in temporary plant/factory air lines, construction sites, shipyards, or utilities
- Not for use in applications where 100% of the available air is required, i.e. sand blast, pile driving rigs,expansion joint blow down pipes, etc.

### Materials
- Solid brass body and valve
- Stainless steel spring and roll pin

### Specifications
- Maximum operating pressure: **350 PSI**
- Maximum temperature: **250°F (121°C)**




### Features
- High flow valve provides optimum performance
- Controls excess air flow (SCFM) in only one direction
- Automatically senses change in air flow and shuts off the flow in the event of a surge in excess of valve flow rating thus preventing hose whip
- Does not prevent backflow

### Approval
- Conforms to OSHA regulation 1926.302 (b) (7) requiring a safety device at the source of the air supply and at branch air lines

| NPT & Hose ID Size | Cut-off Flow Rate (SCFM at 90 PSI) | Required Case Qty | Brass Part # |
|---|---|---|---|
| 3/4" | 132-148 | 4 | SCVJ6 |
| | 160-180 | | SCVS6 |

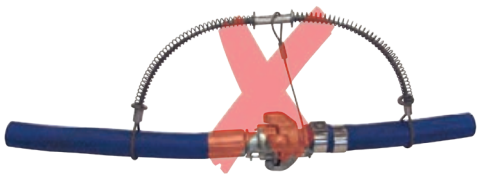
NOTE: Products placed in blue plastic bin with label.

## King Cable®

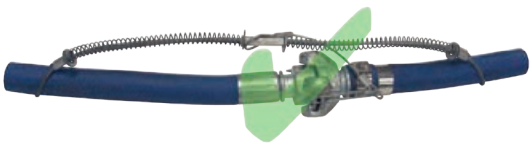
### Application
- When hose, couplings, or clamps fail, or there is an accidental separation of the assembly, King safety cables minimize damage to equipment and injuries to operators

### Features
- Must be installed in the extended position (no slack)
- Cable reaches across hose fittings to provide standby safety for hose
- Spring-loaded loops in the cable ends open easily to pass over the couplings for a firm grip on the hose
- No tools needed - easy to install and remove
- Cables shipped with safety restraint labels attached
- Highly resistant to rust and corrosion
- Hose-to-hose or hose-to-rigid outlet

### Materials
- Wire rope: galvanized carbon steel
- Ferrules: aluminum
- Springs: galvanized carbon steel



Incorrect installation



Correct installation

### Hose-to-Tool Service



Hose end — Tool end

| Hose ID | Cable | Length | Maximum Working Pressure (PSI) | Required Case Qty | Steel Part # |
|---|---|---|---|---|---|
| 1/2" - 1-1/4" | 1/8" | 20-1/4" | **200** | 4 | WSR1 |

### Hose-to-Hose Service



Hose end — Hose end

| Hose ID | Cable | Length | Maximum Working Pressure (PSI) | Required Case Qty | Steel Part # |
|---|---|---|---|---|---|
| 1/2" - 1-1/4" | 1/8" | 20-1/4" | **200** | | WSR1 |

U

## In-Line Lubricators



**Application**
- Protects portable or stationary air tools by efficiently oiling the tool mechanisms; each time an air tool is operated a fine mist of oil is injected into it along with the air from the compressor

**Features**
- Installation is recommended within 25' of the tool to be lubricated; refer to the arrow for proper air flow direction
- Transparent sight disc allows visual inspection of oil level
- Oil flow regulated by screwdriver screw adjustment, minimum flow rate is 30 SCFM
- Not recommended for constant flow applications
- For reciprocating tools only
- Type of oil to use: any petroleum-based, non-detergent light weight oil (SAE 10/150SSU) which will readily break up into a mist, i.e., Mobil DTE light or comparable oil. Do not use any synthetic oil or oils containing additives or solvents
- See below for air tool lubricant

| NPT Size | Oil Capacity | Maximum Working Pressure at Ambient Temperature (70°F) | Air Flow at 70 PSI | Required Case Qty | Aluminum Part # |
|---|---|---|---|---|---|
| 1/2" | 1.4 fluid ozs. | **500 PSI** | 30 SCFM | **3** | PL300 |

NOTE: Products placed in blue plastic bin with label.

## Air Tool Lubricant




**Application**
- High-grade lubricant prolongs the service life of air tools, cylinders, and accessories

**Features**
- #10 weight lubricant
- Prohibits rust and removes moisture as it lubricates
- Non-corrosive, non-reactive, and does not decompose
- Easy pour spout helps prevent costly spills

| Size | Required Case Qty | Part # |
|---|---|---|
| 1 pint | 2 | DATL016 |

## Anti-Freeze Lubricant




**Application**
- Winter grade air tool lubricant prevents air line, air tool, and in-line lubricator freeze-up

**Feature**
- Can be poured directly into tool or used with air line lubricators

**Specification**
- Minimum temperature **-45°F (-43°C)**

| Size | Required Case Qty | Part # |
|---|---|---|
| 1 pint | 2 | DATL016W |



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## Safety Vented Ball Valves

**Application**
- For air service only

**Specification**
- Pressure rating: **0-125 PSI**

**Features**
- Blow-out proof stem design
- Adjustable packing gland

**Approval**
- Vent downstream air in accordance with OSHA regulation 1910.147 for pneumatic systems

**Materials**
- Bronze valve
- Chromium plated ball
- RTFE seats and stuffing box ring




| Female NPT | Port | Required Case Qty | Bronze Part # |
|---|---|---|---|
| 3/4" | standard | 3 | BBV75LV |

NOTE: Products placed in blue plastic bin with label.

New

## Whip Hose

| Description | Required Case Qty | Part # |
|---|---|---|
| Whip hose 1/2" x 6', Air King x 7/8" threaded bent stem | 1 | WH50X6AKBS87 |



| Description | Required Case Qty | Part # |
|---|---|---|
| Whip hose 1/2" x 6', Air King x 1/2" threaded bent stem | 1 | WH50X6AKBS50 |



| Description | Required Case Qty | Part # |
|---|---|---|
| Whip hose 3/4" x 6', Air King x 3500 nipple | 1 | WH75X6AK35 |



## Sign Holder

| Description | Required Case Qty | Part # |
|---|---|---|
| end cap sign holder | 2 | SIGNHOLDER |



## End Cap Sign

| Description | Required Case Qty | Part # |
|---|---|---|
| Outside air end cap sign | 1 | OA-SIGN |




## Blue Bins with Label

| Description | Required Case Qty | Contents | Part # |
|---|---|---|---|
| Blue bins with label | 1 | S-12416 (2), S-13536 (13), | OA-BLU-BINS |



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**Proposition 65 Information ..... 1103**

**Hose and Coupling Safety ..... 1104**

**General Safety Information ..... 1104**

**Safety Is Everyone's Job ..... 1105 - 1107**
Be Safe ..... 1105
S.T.A.M.P.E.D. ..... 1105
Force chart ..... 1106
Safety products and recommendations in the DPL ..... 1106
MSHA regulations ..... 1106
OSHA regulations ..... 1107

**Value Add Programs ..... 1108**
Solutions on Site vans by Dixon® ..... 1108
Best practices safety assessment ..... 1108
Hose coupling workshop ..... 1108

**Material Selection ..... 1109 - 1114**
Selecting materials ..... 1109
Corrosion resistance ratings ..... 1109 - 1114

**Fraction - Decimal Chart ..... 1115**

**Conversion Constants/Formulas ..... 1116**
Measures of pressure ..... 1116
Length conversions constants ..... 1116
Weight conversion constants ..... 1116
Circumference of a circle ..... 1116
Right cylinder ..... 1116

**Temperature ..... 1117 - 1119**
Temperature conversions ..... 1117
Steam temperature and pressure conversion guide ..... 1118
Pressure - temperature ratings ..... 1119

**Air ..... 1120 - 1123**
Air velocity in a pipe ..... 1120
Air volume discharged from pipe ..... 1120
Boyle's law ..... 1120
Air supply requirements ..... 1120
CFM vs. **PSI** for nozzles ..... 1121
Air receiver capacities ..... 1121
Air hose friction ..... 1122
Max. rec. air flow (SCFM) through ANSI metal pipe ..... 1123
Suggested pipe size for compressed air flow ..... 1123

**Water ..... 1124 - 1125**
Water constants and formulas ..... 1124
Water discharge table ..... 1124
Conversion table - feet of water to inches of mercury ..... 1125
Feet head of water to **PSI** ..... 1125

**Thread Information ..... 1126 - 1131**
Pipe threads ..... 1126
NPT vs. BSP (British Standard Pipe) ..... 1126
Identifying threads ..... 1127
Thread types ..... 1128
Thread chart for hydraulic fittings ..... 1129
Fittings size chart ..... 1129
Thread dimensions ..... 1130
Normal engagement length of NPT thread ..... 1130
Thread sealing tips ..... 1131

**Flange Dimensions ..... 1132 - 1133**
Flange bolt tightening sequence ..... 1132
Flange diagrams ..... 1132
ANSI flange dimensions ..... 1133

**Pipe Dimensions ..... 1134**
Dimensions of seamless and welded steel pipe ASA-B36.10 and B36.19 ..... 1134
Cross reference from NPS to DN specification ..... 1134

**Valve Selection Guides ..... 1135 - 1136**
Valve selection guide ..... 1135
3-way ball valve flow options ..... 1136

**BPE DT Table Call Out ..... 1137**

**Pipe Gasket Sizing Guide ..... 1138 - 1139**

**Particulate Reference Chart ..... 1140**

**Clamp Fittings and Gasket Sizing Guide ..... 1141 - 1143**

# Proposition 65 Information

As a company that may sell or distribute Dixon Valve & Coupling Company, LLC ("Dixon") products to California consumers or to other persons or entities that may sell such items to California consumers, Dixon is obligated to notify you of the following:

Dixon is in compliance with the California Safe Drinking Water and Toxic Enforcement Act of 1986 and its supporting regulations ("Proposition 65"), as it provides warnings that comply with a 2015 court-approved settlement. All Dixon products are shipped in cartons with the following warning:

> "**WARNING:** This product contains lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm."

If you sell or distribute Dixon products to California consumers, or to other persons or entities that may sell such items to California consumers, in quantities fewer than a full carton, you must provide this warning to each customer, either by labeling each unit with the above warning, by posting a sign at the point of sale, or by another method.

If you sell Dixon products online to California consumers, you should display this warning message on the product display page, by a clearly marked hyperlink on the product display page, or otherwise prominently displayed to the purchaser before the purchaser completes the purchase of the product.

Dixon will defend and indemnify you if there is a claim made under Proposition 65 for listed chemicals being contained in its products, so long as you have provided the warning per the instructions above. If you sell Dixon products without the warnings we have provided, you are at risk of enforcement and significant penalties.

If you would like more information about the chemicals contained in Dixon products, please visit our website at www.dixonvalve.com. Many product display pages contain material safety data sheets, which list the chemicals contained in the products and the chemical concentrations.

Dixon couplings, adapters, valves, and connectors made of brass may not be sold to California consumers unless such fittings either contain less than 300 ppm of lead when analyzed pursuant to the EPA test method 3050B or equivalent or they are sold or distributed with a clear, reasonable, and conspicuous warning. So long as it is prominently displayed on the product or the packaging of the product, the above warning complies.

Should you need further explanation or assistance in complying with this notice, please do not hesitate to contact Dixon at compliance@dixonvalve.com.

## Hose and Hose Coupling Safety

**"The very properties that make compressed gases useful in almost every area of modern life can also make them dangerous when mishandled. Years of experience with compressed gases have led to practices and equipment which, if employed, result in complete safety."** [1]

Dixon hose couplings have been carefully engineered to meet specific requirements. If hose or couplings are not used in correct applications or are incorrectly applied, accidents and downtime can result. It is up to the end user to inform the distributor of the application and pressures involved when ordering hose assemblies and it is up to the distributor to supply the right hose and coupling for that application. When in doubt, Dixon is here to help you with a proper coupling recommendation.

1. **Air hose couplings** - This form of energy can be one of the most dangerous because it is used in so many applications and, when mishandled, can have more serious results than fluids. Air, as a gas, is compressible (fluids press only against hose or vessel walls and lose little volume under pressure). When pressurized air releases suddenly, it does so with explosive force and can cause rapid hose whip, which can do serious physical harm to personnel or damage to nearby objects. This is why the selection of proper hose and couplings for air lines is so important, along with their proper installation and maintenance. Never take for granted that a coupling is installed properly or a clamp fully tightened on an air hose - check it regularly and use safety devices (see paragraph 4).
2. **Steam and gas** - The same rules apply for steam and gas, but, because these are inherently more hazardous materials, personnel tend to treat hose and couplings on these lines with more respect and care. Checking clamp tightness is very important with steam hose, where it is not unusual for clamps to loosen in service, in which case they must be retightened! Safety devices should also be used (see paragraph 4).
3. **Fluid hose couplings** - Again, nothing should be taken for granted - in particular, check clamps for tightness each time the lines are used - especially when petroleum products or other hazardous liquids are involved. Large diameter hose, when suspended, can also be quite dangerous if it drops unexpectedly due to a coupling "pull-out" or sudden disconnection. A heavy fitting or clamp, plus the weight of the hose itself falling from any significant height, can cause injuries or damage. Be sure to use safety devices (see paragraph 4).
4. **All hose assemblies** - All hose assemblies should be treated with respect as potential hazards. Worn-out fittings should be replaced. Retaining devices such as clips, cables, or chains should be used. Clamps should be checked regularly. Under no circumstances should any coupling be disconnected while under pressure, unless the coupling is specifically designed to do so. Disconnecting couplings under pressure could result in serious injury or death and destruction of property and equipment.

[1] "Handbook of Compressed Gases"

## General Safety Information

Pressure Ratings

Pressure ratings for couplings, as stated in this catalog, are based upon ambient temperature **70°F (21°C)** applications with true hose I.D., new Dixon supplied couplings, new Dixon supplied clamps, new quality hose, and proper installation by a qualified assembler using Dixon procedures and equipment. In addition, temperature can affect coupling retention. For temperatures other than ambient (**70°F**), contact the hose manufacturer or call Dixon at 800.355.1991.

Product Selection

Many of the products in this catalog are used in hose assemblies in a variety of applications. The safety of any hose assembly rests on the proper selection, installation, testing, and use of each product. The safe use of any product in this catalog is dependent upon the correct selection of the hose, fittings, and method of attachment. To ensure such a proper selection, the user must inform the distributor of the application and pressure involved when ordering hose assemblies. The use of S.T.A.M.P.E.D. (Size, Temperature, Application, Media, Pressure, Ends, Dixon) will help in the proper selection of hose assembly components (see page 1105). The selection of couplings and clamping devices is the responsibility of the purchaser or user, based upon the hose manufacturer's recommendations. If the purchaser or user is uncertain about the use or application of a product, Dixon stands ready to provide information, including test results (if available), coupling and clamping recommendations, and other data to help resolve those matters.

Installation

To achieve a safe and reliable assembly, proper installation procedures must be followed. Each component of the assembly has a part in determining these procedures. The purchaser or user must follow proper procedures. If the purchaser or user has any questions regarding installation, please contact Dixon®.

Testing

Dixon recommends that all hose assemblies be tested in accordance with the hose manufacturer's recommendations.

Re-testing and Inspection

Dixon recommends inspection and re-testing of hose assemblies on a regular and consistent basis in accordance with the hose manufacturer's recommendations. The application determines the regularity of the inspection and re-testing schedule. Any worn-out fittings, damaged hoses, or missing safety devices should be replaced immediately. Bolt-style clamps must be checked and retightened on a regular and consistent basis.

All hose assemblies should be viewed as potential hazards. This document is designed to inform and educate anyone who manufactures, specifies, supplies, purchases, assembles, uses, maintains, or tests any hose assembly or its component parts. The proper selection and maintenance of hose, couplings, attachment devices, and accessories is imperative.

It is the end user's responsibility to identify to the distributor the application and any special conditions that the hose assembly must meet. It is the distributor's responsibility to supply the proper assembly for the intended application. Accidents and down time may occur if hose assemblies are not properly selected for the specific application.

The performance and safety of the assembly is affected by the quality of the individual components. The use of the acronym S.T.A.M.P.E.D. (Size, Temperature, Application, Media, Pressure, Ends, Dixon) will help in the proper selection of the hose assembly components (see below). If anyone is uncertain about the use or application of a product, Dixon can provide test results, coupling and clamping recommendations, and other data to help resolve those matters. Call 800.355.1991 with

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## Be Safe

Hose assemblies must be inspected prior to each use. Worn out fittings, attachment devices, hose, and accessory items must be replaced. Retaining devices (safety devices) such as clips, cables, or chains must be used. Clamps must be checked regularly to the specified torque found in the Dixon literature. Under no circumstance should any coupling be disconnected while under pressure unless the coupling is specifically designed to do so. Disconnecting couplings under pressure could result in serious injury or death, and destruction to property and equipment.

For all hose assemblies in use:

**B***eware* - Hose assemblies when used improperly or in the wrong application can be dangerous. The maximum working pressure shown on the hose is not an indication of the working pressure of the assembly. Based on the hose, fittings, and attachment method used, all assemblies should be permanently marked with the designed working pressure and the intended media. The assembly working pressure should be permanently displayed. Hose assemblies must be used for the intended service only. Never alter manufactured product or substitute component parts.

**E***liminate* - Eliminate hazardous conditions by inspecting, maintaining, and testing hose assemblies. Dixon recommends that all hose assemblies be tested in accordance with the hose manufacturer's specifications. The application determines the regularity of the re-testing schedule.

**S***ecure* - Secure and inspect hose, fittings, clamping devices, and safety accessories before each use. Never take for granted that the coupling or attachment devices are properly installed.

**A***lways* - Always inspect and re-tighten the bolts of any bolt style clamping device to the manufacturer's torque specifications.

**F***ittings* - Hose fittings and clamping devices that are worn out or damaged must be removed from service.

**E***ducate* - Educate your employees about the proper use, care, and potential hazards of hose assemblies. Take advantage of Dixon's free Hose Assembly Safety Program and the follow up Training Seminar to aid you in setting up your own inspection program. Any questions on applications, use or assembly call 800.355.1991.

## S.T.A.M.P.E.D.

When fabricating and specifying hose assemblies ask the following questions:

**S***ize*: What is the I.D. (inside diameter) of the hose? What is the O.D. (outside diameter) of both ends of the hose? What is the overall length of the assembly required?

**T***emperature*: What is the temperature range of the media (product) that is flowing through the hose assembly? What is the temperature range of the environment that surrounds the outside of the hose assembly?

**A***pplication*: How is the hose assembly actually being used? Is it a pressure application? Is it a vacuum (suction) application? Is it a gravity flow application? Are there any special requirements that the hose assembly is expected to perform? Is the hose being used in a horizontal or vertical position? Are there any pulsations or vibrations acting on the hose assembly?

**M***edia*: What is the media/material that is flowing through the hose assembly? Being specific is critical. Check for: Abrasive materials, chemical compatibility, etc.

**P***ressure*: What is the maximum pressure including surges (or, maximum vacuum) that this hose assembly will be subjected to? Always rate the maximum working pressure of your hose assembly by the lowest rated component in the system.

**E***nds*: What couplings have been requested by the user? Are they the proper fittings for the application and hose selected?

**D***ixon*: Dixon recommends that, based on the hose, fittings, and attachment method used, all assemblies be permanently marked with the designed working pressure and intended media. Do not use other manufacturers' fittings or ferrules with Dixon products due to the differences in dimensions and tolerances We also recommend that all hose assemblies be tested frequently. *Be Safe*: Any questions on application, use, or assembly, call 800.355.1991.

## Force Chart

- For hose I.D.s from 1-1/4" to 12", the force in pounds is greater than the **PSI**.
- Force is the dynamic power which is exported longitudinally through a hose, toward the ends. To arrive at the number of pounds of force exerted, you multiply the area of the I.D. x the working pressure being used.
- Area of a circle= $r^2 x \pi$ [3.1416]
- Force = Area x Pressure

**Force (In Pounds)**

| Hose I.D. | 25 PSI | 50 PSI | 75 PSI | 100 PSI | 150 PSI | 200 PSI | 250 PSI | 300 PSI | 500 PSI | 1000 PSI |
|---|---|---|---|---|---|---|---|---|---|---|
| 1/4" | 1 | 2 | 4 | 5 | 7 | 10 | 12 | 15 | 25 | 49 |
| 3/8" | 3 | 6 | 8 | 11 | 17 | 22 | 28 | 33 | 55 | 110 |
| 1/2" | 5 | 10 | 15 | 20 | 29 | 39 | 49 | 59 | 98 | 196 |
| 3/4" | 11 | 22 | 33 | 44 | 66 | 88 | 110 | 133 | 221 | 442 |
| 1" | 20 | 39 | 59 | 79 | 118 | 157 | 196 | 236 | 393 | 785 |
| 1-1/4" | 31 | 61 | 92 | 123 | 184 | 245 | 307 | 368 | 614 | 1227 |
| 1-1/2" | 44 | 88 | 133 | 177 | 265 | 353 | 442 | 530 | 884 | 1767 |
| 2" | 79 | 157 | 236 | 314 | 471 | 628 | 785 | 942 | 1571 | 3142 |
| 2-1/4" | 123 | 245 | 368 | 491 | 736 | 982 | 1227 | 1473 | 2454 | 4909 |
| 3" | 177 | 353 | 530 | 707 | 1060 | 1414 | 1767 | 2121 | 3534 | 7069 |
| 4" | 314 | 628 | 942 | 1257 | 1885 | 2513 | 3142 | 3770 | 6283 | 12566 |
| 5" | 491 | 982 | 1473 | 1964 | 2945 | 3927 | 4909 | 5891 | 9818 | 19635 |
| 6" | 707 | 1414 | 2121 | 2827 | 4241 | 5655 | 7069 | 8482 | 14137 | 28274 |
| 8" | 1257 | 2513 | 3770 | 5027 | 7540 | 10053 | 12566 | 15080 | 25133 | 50266 |
| 10" | 1964 | 3927 | 5891 | 7854 | 11781 | 15708 | 19635 | 23562 | 39270 | 78540 |
| 12" | 2827 | 5655 | 8482 | 11310 | 16965 | 22620 | 28274 | 33929 | 56549 | 113098 |

## Safety Products and Recommendations in the Dixon® Product List

**Safety is everyone's concern!**

Dixon provides many safety products designed to protect personnel and property. Recommendations and safety warnings are also included for your review.


Hose and coupling safety ..... page 1104
S.T.A.M.P.E.D. ..... page 1105
EZ Boss-Lock handles ..... page 67
Cam and groove safety clips ..... page 74
Air King® - not to be used for steam statement ..... page 180
KingCable® safety cables ..... page 1099
Safety shut-off valves, OSHA REG. 1926.302 ..... page 910
**30 PSI** safety blow guns ..... page 277
Safety vented ball valves ..... page 877
Safety tags and safety tape ..... page 1065
The importance of whip hose statement ..... page 179


## Mine Safety and Health Administration (MSHA) Regulations

30 CFR Sections 56.13021 and 57.13021

Except where automatic shut-off valves are used, safety chains or other suitable locking devices shall be used at connections to machines of high-pressure hose line of 3/4" inside diameter or larger, and between high-pressure hose lines of 3/4" inside diameter or larger, where a connection failure would create a hazard.

30 CFR Section 75.1730

(e) Safety chains, suitable locking devices, or automatic cut-off valves shall be used at connections to machines of high-pressure hose lines of 3/4" inside diameter or larger, and between high-pressure hose lines of 3/4" inside diameter or larger, where a connection failure would create a hazard. For purposes of this paragraph, high-pressure means pressure of **100 PSI** or more.

30 CFR Section 77.412

(d) Safety chains or suitable locking devices shall be used at connections to machines of high-pressure hose line of 1" inside diameter or larger, and between high-pressure hose line of 1" inside diameter or larger, where a connection failure would create a hazard.

*The regulations may be viewed in full on the MSHA website, msha.gov. Please check the website for updates.*

# OSHA Regulations

Standards - 29 CFR, 1910.242 (partial):
(b) Compressed air used for cleaning - Compressed air shall not be used for cleaning purposes except where reduced to less than **30 PSI** and then only with effective chip guarding and personal protective equipment.

Standards - 29 CFR, 1915.131 (partial):
(e) Before use, pneumatic tools shall be secured to the extension hose or whip by some positive means to prevent the tool from becoming accidentally disconnected from the whip.

Standards - 29 CFR, 1926.302 (partial):
(b)(1) Pneumatic power tools shall be secured to the hose or whip by some positive means to prevent the tool from becoming accidentally disconnected.
(b)(2) Safety clips or retainers shall be securely installed and maintained on pneumatic impact (percussion) tools to prevent attachments from being accidentally expelled.
(b)(3) All pneumatically driven nailers, staplers, and other similar equipment provided with automatic fastener feed, which operate at more than **100 PSI** pressure at the tool shall have a safety device on the muzzle to prevent the tool from ejecting fasteners, unless the muzzle is in contact with the work surface.
(b)(4) Compressed air shall not be used for cleaning purposes except where reduced to **30 PSI** and then only with effective chip guarding and personal protective equipment which meets the requirements of Subpart E of this part. The **30 PSI** requirement does not apply for concrete form, mill scale, and similar cleaning purposes.
(b)(5) The manufacturer's safe operating pressure for hoses, pipes, valves, filters, and other fittings shall not be exceeded.
(b)(6) The use of hoses for hoisting or lowering tools shall not be permitted.
(b)(7) All hoses exceeding 1/2" inside diameter shall have a safety device at the source of supply or branch line to reduce pressure in case of hose failure.

Standards - 29 CFR, 1926.306:
(a) General requirements
(a)(1) Application. This section applies to compressed air receivers and other equipment used in providing and utilizing compressed air for performing operations such as cleaning, drilling, hoisting, and chipping. On the other hand, however, this section does not deal with the special problems created by using compressed air to convey materials nor the problems created when men work in compressed air as in tunnels and caissons. This section is not intended to apply to compressed air machinery and equipment used on transportation vehicles such as steam railroad cars, electric railway cars, and automotive equipment.
(a)(2) New and existing equipment.
(a)(2)(i) All new air receivers installed after the effective date of these regulations shall be constructed in accordance with the 1968 edition of the A.S.M.E. Boiler and Pressure Vessel Code Section VIII.
(a)(2)(ii) All safety valves used shall be constructed, installed and maintained in accordance with the A.S.M.E. Boiler and Pressure Vessel Code, Section VIII Edition 1968.
(b) Installation and equipment requirements
(b)(1) Installation. Air receivers shall be so installed that all drains, handholes, and manholes therein are easily accessible. Under no circumstances shall an air receiver be buried underground or located in an inaccessible place.
(b)(2) Drains and traps. A drain pipe and valve shall be installed at the lowest point of every air receiver to provide for the removal of accumulated oil and water. Adequate automatic traps may be installed in addition to drain valves. The drain valve on the air receiver shall be opened and the receiver completely drained frequently and at such intervals as to prevent the accumulation of excessive amounts of liquid in the receiver.
(b)(3) Gauges and valves.
(b)(3)(i) Every air receiver shall be equipped with an indicating pressure gauge (so located as to be readily visible) and with one or more spring-loaded safety valves. The total relieving capacity of such safety valves shall be such as to prevent pressure in the receiver from exceeding the maximum allowable working pressure of the receiver by more than 10 percent.
(b)(3)(ii) No valve of any type shall be placed between the air receiver and its safety valve or valves.

Standards - 29 CFR, 1926.603 (partial):
(a)(9) Steam hose leading to a steam hammer or jet pipe shall be securely attached to the hammer with an adequate length of at least 1/4" diameter chain or cable to prevent whipping in the event the joint at the hammer is broken. Air hammer hoses shall be provided with the same protection as required for steam lines.
(a)(10) Safety chains, or equivalent means, shall be provided for each hose connection to prevent the line from thrashing around in case the coupling becomes disconnected.

*The regulations may be viewed in full on the OSHA website, osha.gov. Please check the website for updates.*

## Value Add Programs

### Solutions on Site Vans by Dixon®






Our Solutions on Site (SOS) vans are outfitted with product samples, videos, literature, and products representative of what Dixon provides to specific markets. Call 800.355.1991 for additional information.

### Best Practices Safety Assessment

Dixon, in partnership with your industrial hose supplier, is pleased to offer a hose and coupling safety survey of your plant, at no cost to you, to assist in your efforts to make your facility as safe, efficient, and productive as possible.

Today, plant safety is an enormous, ongoing endeavor in which it is impossible to be an expert in every field.

The use of damaged or misapplied hose couplings and related items occurs. To the untrained eye, these hazards may continue to exist until an accident happens, threatening not only plant machinery, but also the well-being of plant personnel.

Our program includes a visual inspection of hose assemblies and related accessories in your plant by trained technicians. A professionally written report containing our observations and recommendations for corrective action is subsequently provided to augment your own ongoing safety program. If desired, photographs of the areas of concern can be supplied with the report. As a follow-up, the program offers an educational hands-on seminar directly relating to the safety concerns in your facility.

Plant safety is coming under increasing scrutiny by various regulatory agencies. Let Dixon trained personnel assist you in establishing and maintaining safety compliance in your plant.

The safety survey report is completely confidential and will only be shown to authorized plant personnel. For more information, please contact Dixon at 800.355.1991.

### Hose Coupling Workshop

In an effort to provide our customers with information regarding the proper and safe methods of assembling hose and couplings, Dixon offers Hose Coupling Workshops suitable for a company's sales force and shop personnel.

Classes consist of lectures and/or hands-on demonstrations of coupling selection, hose preparation, coupling installation, assembly testing, and maintenance procedures. Morning, afternoon, and all-day classes are available. For more information, please visit dixonvalve.com/hcw or call 800.355.1991.

We encourage you to share this information with anyone who may be affected by the selection, installation, maintenance, or use of any hose assembly. Always use quality products to **Be Safe**.

# Material Selection

## Selecting Materials

This information is intended to help make general comparisons between different available materials.

| Material | Features and Benefits |
|---|---|
| Stainless Steel | A corrosion-resistant material that provides high strength at high temperatures, helps prevent contamination of product being transported, maintains cleanliness, and retains a lustrous appearance. Harder than brass. *Type 304* is a low-carbon chromium-nickel stainless steel. *Type 316* is similar to type 304, but has a high nickel content as well as a molybdenum for stronger resistance to heat and corrosion. Often used for water, oil, gas, and steam in low- to high-pressure applications. |
| Brass | Has good corrosion resistance and is less expensive than stainless steel. Is softer and easier to thread than stainless steel and forms tight seals. It can be used interchangeably with copper where heavier walls are required. Found in plumbing and heating application. Also good with oil, natural gas, and air. Resists corrosion from salt water as well as fresh water polluted with waste from mineral acids and peaty soils. Use in low- to high-pressures applications. |
| Steel | Used in noncorrosive environments. This carbon- and iron-based metal is hard and strong. It is an economical alternative to stainless steel and brass in high-pressure applications. For use with water, oil, gas, and steam in low- to high-pressure applications where corrosion is not a problem. |

Product application is based not only on material selection but on design of product for intended use. Please contact Dixon® for selection of the proper fitting for your application.

## Corrosion Resistance of Coupling Material

**⚠WARNING**

The data on the following pages has been compiled from generally available sources and should not be relied upon without consulting and following the specific recommendations of the manufacturer regarding particular coupling materials. This chart is also available under Interactive Tools at dixonvalve.com.

### Ratings

| Metal | Non-Metal | Gasket/Seal Material |
|---|---|---|
| 1 = Excellent<br>2 = Good<br>3 = Fair<br>X = Not Recommended<br>- = Contact Dixon® | A = Acceptable<br>X = Not Recommended<br>- = Contact Dixon® | T = PTFE<br>V = FKM<br>E = EPDM, EPR<br>N = Neoprene<br>B = Nitrile Rubber |

1. Ratings given are based at **70°F (21°C)**. Chemical compatibility varies greatly with temperature. For applications at temperatures other than **70°F (21°C)**, contact Dixon for recommendations at 800.355.1991.
2. Gasket / seal materials are not necessarily listed in order of preference.
3. Chemical resistance of a material does not necessarily indicate the suitability of a fitting in a given application due to variables such as improper clamp and coupling application, special hose construction, gasket material, etc.

Special caution should be taken when handling hazardous materials.

## Material Selection

| AGENT | Aluminum | Brass | Bronze | Hastelloy, C-276 | Malleable Iron Carbon Steel | Monel | Stainless Steel, 304 | Stainless Steel, 316 | Nylon | Polypropylene | Seal Material |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetate Solvents (Crude) | 1 | X | X | 1 | 2 | 2 | 1 | 1 | A | X | T |
| Acetate Solvents (Pure) | 1 | 1 | 1 | 1 | X | 1 | 1 | 1 | A | X | T |
| Acetic Acid (80%) | 3 | X | X | 1 | X | 1 | 1 | 1 | X | X | TEVNB |
| Acetic Acid (50%) | 2 | X | X | 1 | X | 2 | 2 | 1 | X | X | TEVNB |
| Acetic Acid (20%) | 2 | X | X | 1 | X | 2 | 2 | 1 | X | X | TEVNB |
| Acetic Acid (10%) | 2 | X | 2 | 1 | X | 2 | 1 | 1 | X | X | TEVNB |
| Acetic Anhydride | 2 | X | 2 | 1 | 2 | 2 | 2 | 2 | X | X | TNB |
| Acetone | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | A | X | TE |
| Acetylene | 1 | X | X | 2 | 2 | 2 | 1 | 1 | X | X | TEVNB |
| Alcohols | | | | | | | | | | | |
| Amyl Alcohol | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | A | A | TEVNB |
| Benzyl Alcohol | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | X | A | TVB |
| Butyl Alcohol | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | A | A | TEVN |
| Diacetone Alcohol | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | X | A | TE |
| Ethyl Alcohol | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | X | A | TEVNB |
| Hexyl Alcohol | - | - | - | 1 | - | - | - | - | A | - | - |
| Isobutyl Alcohol | - | - | - | - | - | - | - | - | A | - | - |
| Isopropyl Alcohol | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | A | A | TEVNB |
| Methyl Alcohol (Methanol) | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | A | A | TENB |
| Octyl Alcohol | - | - | - | - | - | - | - | - | A | - | - |
| Propyl Alcohol | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | X | A | TEVNB |
| Aluminum | | | | | | | | | | | |
| Aluminum Chloride (Aqu.) | X | X | X | 1 | X | X | X | X | A | A | TEVNB |
| Aluminum Fluoride (Sat.) | 2 | - | - | - | X | 2 | X | 2 | X | A | TEVNB |
| Aluminum Nitrate (Sat.) | 3 | X | - | - | X | - | 2 | 2 | A | A | TEVNB |
| Aluminum Potassium Sulfate (Alum) | 2 | 2 | 2 | 2 | X | 2 | X | 2 | X | A | TEVNB |
| Aluminum Sulfate (Sat.) | X | X | 2 | 2 | X | 2 | - | 2 | A | A | TEVNB |
| Ammonia | | | | | | | | | | | |
| Ammonia Anhydrous | 1 | X | X | 2 | 1 | 1 | 2 | 1 | A | X | TENB |
| Ammonia Gas | X | X | X | 1 | 1 | X | 1 | 1 | A | X | TENB |
| Ammonia Nitrate | - | - | - | - | - | - | - | - | X | - | - |
| Ammonium | | | | | | | | | | | |
| Ammonium Biflouride | - | X | - | 2 | X | 2 | - | - | X | A | TEVB |
| Ammonium Carbonate (Sat.) | 2 | X | X | 2 | 2 | 2 | 2 | 2 | A | A | TEVNB |
| Ammonium Casenate | - | - | - | - | - | - | - | - | A | - | - |
| Ammonium Chloride (Sat.) | X | X | 2 | 2 | X | 2 | X | X | A | A | TEVNB |
| Ammonium Hydroxide (Sat.) | 2 | X | X | 2 | 1 | X | 2 | 2 | A | A | TEVNB |
| Ammonium Nitrate | 2 | X | X | - | X | X | - | - | A | A | TENB |
| Ammonium Phosphate (10-40%) | X | X | X | - | X | 2 | 1 | 2 | A | A | TEVNB |
| Ammonium Sulfate (10-40%) | X | X | 3 | 2 | X | 2 | X | 2 | A | A | TEVNB |
| Aniline | - | X | 2 | 2 | X | 2 | 1 | 1 | X | X | TV |
| Arsenic Acid | X | X | 2 | 2 | X | X | 2 | 2 | X | A | TEVNB |
| Asphalt | - | - | - | - | 2 | - | - | 2 | X | X | TV |
| Barium | | | | | | | | | | | |
| Barium Carbonate (Sat.) | X | 2 | 2 | 2 | 2 | 2 | 2 | 2 | A | A | TEVNB |
| Barium Chloride (Sat.) | - | 2 | 2 | 1 | - | 2 | X | - | A | A | TEVNB |
| Barium Hydroxide (Sat.) | X | 2 | X | 2 | 2 | 1 | 2 | 2 | A | A | TEVNB |
| Barium Sulfate | 2 | 2 | 2 | - | X | 2 | 2 | 2 | A | A | TEVNB |
| Barium Sulfide | X | X | X | - | 2 | X | 2 | 2 | A | A | TEVNB |
| Beer | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | A | A | TEVNB |
| Benzaldehyde | 2 | 2 | 2 | 2 | X | 2 | 2 | 2 | X | X | TE |
| Benzene, Benzol | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | A | X | TV |
| Benzine | - | - | - | - | - | - | - | - | A | X | - |
| Benzoic Acid | 2 | 2 | 2 | - | X | 2 | 2 | 2 | X | X | TVN |
| Black Liquor | X | X | X | X | - | 2 | 2 | 2 | X | A | TEVNB |
| Bleach (12.5% Active Chlorine) | X | - | - | 1 | X | - | - | X | X | A | TEVN |
| Borax | X | 2 | 2 | 1 | 2 | 1 | 1 | 1 | X | A | TEVNB |
| Boric Acid | 1 | X | 2 | 1 | X | 2 | - | - | X | A | TEVNB |
| Brine Acid | - | 2 | 2 | 1 | - | - | - | - | X | A | TEVNB |
| Bromic acid | X | X | X | - | - | X | - | - | X | A | TEVN |
| Bromine Liquid | 2 | - | - | - | - | - | X | X | X | X | TV |
| Butadiene, Butylene | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | X | X | TVNB |
| Butane | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | X | X | TV |
| Butyl Acetate | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | A | X | T |
| Butyric Acid | 2 | 2 | X | 1 | X | 2 | 2 | 2 | A | A | TV |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | | | | | | | | | | | |
| Calcium Bisulfate | X | - | X | - | X | X | X | 2 | X | A | T |
| Calcium Bisulfide | - | - | - | - | - | 2 | - | 2 | A | A | TVB |
| Calcium Bisulfite | X | X | 2 | 2 | X | X | - | 2 | X | A | TVNB |
| Calcium Bromide | X | 2 | 2 | - | X | 2 | 1 | X | X | X | T |
| Calcium Carbonate | X | 2 | 2 | 2 | 2 | 2 | 1 | 2 | A | A | TEVB |
| Calcium Chloride (Sat.) | - | 2 | - | 1 | 2 | 2 | - | - | A | A | TEVNB |
| Calcium Hydroxide (Sat.) | X | 2 | X | - | 2 | 2 | 2 | 2 | A | A | TEVNB |
| Calcium Hypochlorite (Sat.) | X | X | X | - | X | X | X | 2 | X | A | TEV |
| Carbon | | | | | | | | | | | |
| Carbon Bisulfide | 1 | X | 2 | 2 | 2 | X | 2 | 2 | A | X | TV |
| Carbon Dioxide (Dry) | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | A | A | TENB |
| Carbon Dioxide (Wet) | 1 | X | - | 2 | 3 | - | 2 | 2 | X | A | TENB |
| Carbon Disulfide | 1 | X | 2 | 2 | 2 | X | 2 | 2 | A | X | TV |
| Carbon Monoxide | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | A | A | TEVNB |
| Carbon Tetrachloride | X | - | 1 | 1 | 2 | 1 | 1 | - | A | X | TV |
| Carbonic Acid | 1 | 2 | 2 | 1 | 2 | 3 | 2 | 2 | X | A | TEVNB |
| Castor Oil | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | A | A | TEVNB |
| Caustic Potash | X | - | - | 1 | X | - | - | 2 | A | A | TEVNB |
| Caustic Soda (see Sodium Hydroxide) | | | | | | | | | | | |
| Cellosolves | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | X | A | TE |
| Chlorine (Liquid) | - | - | - | 1 | 2 | 2 | - | 3 | X | X | TV |
| Chloroform | - | - | - | 2 | X | 1 | - | - | X | X | TV |
| Chlorosulfonic Acid | - | X | X | 1 | 2 | 2 | X | X | X | X | T |
| Clorox (Bleach, 5.5% CL) | X | - | - | - | X | - | - | 2 | X | - | TEVB |
| Chromic Acid (50%) | 2 | X | X | 2 | X | X | 3 | - | X | X | TVNB |
| Citric Acid | 3 | X | X | 1 | X | 2 | - | - | X | A | TEVNB |
| Coke Oven Gas | 2 | 3 | 3 | - | 2 | 2 | 2 | 2 | X | X | TEVN |
| Copper | | | | | | | | | | | |
| Copper Chloride | X | X | X | 2 | X | X | X | X | A | A | TEVNB |
| Copper Cyanide | X | X | X | 1 | - | X | 2 | 2 | X | - | TEVNB |
| Copper Sulfate | X | X | X | 1 | X | X | - | 2 | A | A | TEVNB |
| Crysylic Acid (Conc.) | 2 | 2 | X | - | 2 | 3 | 2 | 2 | X | X | TEV |
| Cyclohexane | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | A | X | TVB |
| Detergents | 2 | 2 | 2 | 1 | 2 | - | 1 | 2 | A | A | TEVNB |
| Dextrose | 2 | - | - | 2 | - | 2 | - | - | A | A | TEVNB |
| Diesel Fuels | 1 | 1 | 1 | 2 | 2 | - | 1 | 1 | A | X | TVB |
| Diethylamine | 2 | - | X | - | X | 1 | 2 | 2 | X | A | TN |
| Disodium Phosphate | - | - | - | - | 1 | - | - | 1 | A | A | TEV |
| Ethers | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | A | X | TB |
| Ethyl | | | | | | | | | | | |
| Ethyl Acetate | - | - | 2 | 2 | 2 | 2 | 2 | 2 | A | X | T |
| Ethyl Chloride | - | - | 2 | 2 | 2 | 2 | - | 1 | A | X | TEVB |
| Ethylene | | | | | | | | | | | |
| Ethylene Chloride | - | - | - | - | 2 | 2 | - | - | A | X | TV |
| Ethylene Dichloride | - | 2 | X | 2 | 2 | 1 | 2 | 2 | A | X | TV |
| Ethylene Glycol | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | A | X | TEVNB |
| Ethylene Oxide | X | X | X | 1 | 3 | 2 | 2 | 2 | X | X | T |
| Fatty Acids | 1 | 3 | 3 | 1 | X | 2 | - | 1 | A | A | TVNB |
| Ferric | | | | | | | | | | | |
| Ferric Chloride | X | X | 2 | 2 | X | X | X | X | X | A | TEVNB |
| Ferric Hydroxide | - | - | - | 1 | - | 2 | 1 | 1 | A | - | TEVNB |
| Ferric Nitrate (10-50%) | X | X | X | - | X | X | 2 | 2 | X | A | TEVNB |
| Ferric Sulfate | X | X | X | - | X | 2 | - | - | X | A | TEVNB |
| Ferrous | | | | | | | | | | | |
| Ferrous Chloride (Sat.) | X | X | 2 | 2 | - | X | X | X | X | A | TEVNB |
| Ferrous Sulfate | 2 | 2 | 2 | 2 | X | 2 | 2 | - | X | A | TEVNB |
| Fluboric Acid | X | - | - | 1 | 1 | 2 | - | - | X | A | TEVNB |
| Formaldehyde (50%) | - | 2 | 2 | 2 | X | 2 | 1 | 1 | X | A | TEN |
| Formic Acid (Anhyd.) | 1 | X | 2 | 1 | X | 2 | - | - | X | A | TEVN |
| Freon | | | | | | | | | | | |
| Freon 11 | 2 | 2 | 2 | - | X | 1 | 2 | 2 | X | X | TVNB |
| Freon 12 | 2 | 2 | 2 | 1 | X | 2 | 2 | 2 | X | X | TVNB |
| Freon 22 | 2 | 2 | 2 | 2 | X | 2 | 2 | 2 | X | X | TN |
| Fruit Juices | 2 | 2 | 3 | 1 | X | 1 | 2 | 2 | A | A | TVNB |
| Fuel Oil | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | A | X | TVNB |
| Furfural | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | A | X | TEN |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline | | | | | | | | | | | |
| Refined Gasoline | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | A | X | TVNB |
| Sour Gasoline | X | 2 | 2 | 2 | 2 | X | 2 | 2 | A | X | TVNB |
| Gelatin | 2 | 2 | 2 | - | X | 2 | 2 | 2 | A | A | TEVNB |
| Glucose | 2 | 2 | 2 | - | 2 | 2 | 2 | 2 | A | A | TEVNB |
| Glue | 2 | 2 | 2 | 1 | 2 | 2 | - | 2 | - | A | TEVNB |
| Glycerine | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | A | A | TEVNB |
| Glycols | 2 | 2 | 2 | - | 2 | 2 | 2 | 2 | A | A | TEVNB |
| Green Liquor | - | - | - | - | 2 | - | - | - | - | A | TEVNB |
| Heptane | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | A | X | TVNB |
| Hexane | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | A | X | TVNB |
| Hydrobromic Acid (50%) | X | X | X | 2 | X | X | X | X | X | A | TEV |
| Hydrobromic Acid (20%) | X | X | X | 1 | X | X | X | X | X | A | TEV |
| Hydrochloric Acid (20%) | X | X | X | 1 | X | 3 | X | X | X | A | TEVNB |
| Hydrochloric Acid (38%) | X | X | X | 1 | X | X | X | X | X | A | TEVN |
| Hydrocyanic Acid | 2 | X | X | 2 | 2 | 2 | 2 | 2 | X | A | TEVN |
| Hydrofluosilicic Acid (10-50%) | X | 2 | X | 2 | X | 2 | X | 2 | X | - | TEVNB |
| Hydrogen | | | | | | | | | | | |
| Hydrogen Peroxide (50%) | - | X | X | 2 | X | 2 | - | - | X | A | TEV |
| Hydrogen Sulfide (Aqu.) | - | - | - | 2 | - | 2 | X | 2 | X | A | TE |
| Hydrogen Chloride (Dry Gas) | X | 2 | - | 1 | 2 | 1 | - | - | X | A | TEVN |
| Hydrogen Gas | 1 | 1 | 1 | 1 | - | 1 | 1 | 1 | X | A | TEVNB |
| Hypochlorous Acid | X | X | X | 2 | X | X | X | X | X | X | TEV |
| Iodine | 1 | X | X | - | X | 1 | X | X | X | A | TEV |
| Isopropyl Ether | - | 2 | 2 | - | - | 2 | 1 | 2 | A | X | T |
| Jet Fuel (JP4, JP5) | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | X | X | TV |
| Kerosene | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | X | X | TVNB |
| Ketones | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | A | X | T |
| Lactic Acid (25%) | 3 | 2 | 2 | 1 | X | X | - | - | A | A | TEVN |
| Lactic Acid (80%) | 2 | 2 | X | 2 | X | - | - | - | A | A | TEVN |
| Lard Oil | 2 | - | 2 | 1 | 3 | 2 | 2 | 2 | A | A | TVB |
| Lead | | | | | | | | | | | |
| Lead Acetate | X | X | X | 2 | X | 2 | 2 | 2 | X | A | TENB |
| Lead Chloride | X | - | - | 2 | - | - | 2 | 2 | X | - | TVNB |
| Lead Sulfate | X | - | - | 2 | X | 2 | 2 | 2 | X | - | TEVNB |
| Lime Sulphur | X | X | X | - | X | 2 | 2 | 2 | X | A | TEVN |
| Linoleic Acid | 2 | X | 3 | 2 | X | 2 | 2 | 2 | X | A | TVB |
| Linseed Oil | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | A | A | TVNB |
| Lubricants (Oil) | 2 | 1 | - | - | 2 | 2 | 2 | 2 | A | X | TVNB |
| Magnesium | | | | | | | | | | | |
| Magnesium Carbonate | 2 | - | - | - | - | 2 | 2 | 2 | X | A | TEVNB |
| Magnesium Chloride | X | X | 2 | 1 | - | - | - | - | X | A | TEVNB |
| Magnesium Hydroxide | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | X | A | TEVNB |
| Magnesium Nitrate | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | X | A | TEVNB |
| Magnesium Oxide | - | - | - | - | - | - | - | - | X | - | - |
| Magnesium Sulfate | 2 | - | 2 | - | - | 1 | 2 | 2 | X | A | TEVNB |
| Maleic Acid | - | 2 | 3 | 2 | X | - | - | 2 | X | A | TEV |
| Mercuric | | | | | | | | | | | |
| Mercuric Chloride | X | X | X | - | X | X | X | - | X | A | TEVB |
| Mercuric Cyanide | X | X | X | 2 | X | 2 | 2 | 2 | X | A | TEVB |
| Mercury | X | X | X | 1 | 2 | - | 1 | 1 | A | A | TEVNB |
| Methane | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | A | X | TEVNB |
| Methanol | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | A | A | TENB |
| Methyl | | | | | | | | | | | |
| Methyl Bromide | X | - | - | - | 2 | - | 2 | 2 | X | X | TV |
| Methyl Ethyl Ketone | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | A | X | TE |
| Methyl Isobutyl Ketone | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | A | X | T |
| Methyl Methacrylate | 2 | - | - | - | X | - | 2 | 2 | X | A | T |
| Methylene Chloride | - | 2 | 2 | X | 2 | - | - | - | A | X | T |
| Milk | 1 | X | X | 1 | 2 | X | 1 | 1 | A | A | TEVNB |
| Mineral Oil | 2 | 1 | - | - | 2 | 1 | 1 | 2 | A | A | TVNB |
| Muriatic Acid | X | - | - | 1 | - | X | X | X | X | A | TV |
| Napthalene | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | A | A | TV |
| Naptha | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | A | X | TVB |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| Nickel | | | | | | | | | | | |
| Nickel Chloride | X | X | X | - | X | 2 | - | - | X | A | TEVNB |
| Nickel Sulfate | X | X | - | 2 | - | - | 2 | 2 | X | A | TEVNB |
| Nitric | | | | | | | | | | | |
| Nitric Acid (100%) | 1 | X | X | 2 | X | X | 2 | - | X | X | TV |
| Nitric Acid (50%) | X | X | X | 1 | X | X | 2 | - | X | X | TV |
| Nitric Acid (30%) | X | X | X | 1 | X | X | 1 | - | X | X | TV |
| Nitrobenzene | 1 | 2 | 2 | - | 2 | 2 | 2 | 2 | A | A | T |
| Oils | | | | | | | | | | | |
| Castor Oil | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | A | A | TEVNB |
| Coconut Oil | 2 | - | 2 | - | 3 | 2 | 2 | 2 | A | A | TVB |
| Corn Oil | 2 | 2 | 2 | - | 2 | 2 | - | 2 | A | A | TVNB |
| Cotton Seed Oil | 2 | 2 | 2 | - | 2 | 1 | 2 | 2 | A | A | TVNB |
| Fuel Oil | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | A | X | TVNB |
| Linseed Oil | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | A | A | TVNB |
| Mineral Oil | 2 | 1 | - | - | 2 | 1 | 1 | 2 | A | A | TVNB |
| Silicon Oil | 2 | 1 | 2 | - | 2 | - | 2 | 2 | A | A | TEVB |
| Vegetable Oil | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | A | X | TVNB |
| Oleic Acid | 2 | 3 | 2 | 2 | 2 | 1 | - | 1 | A | X | TB |
| Oleum | 2 | X | X | - | 2 | X | 2 | 2 | X | X | TV |
| Oxalic Acid (Sat.) | 2 | - | 2 | 2 | X | 2 | X | X | X | A | TEV |
| Oxygen | 2 | 2 | 2 | - | 2 | 2 | 2 | 2 | X | X | TEVNB |
| Palmitic Acid (Sat.) | 2 | 3 | 2 | - | 3 | 2 | 2 | 2 | X | A | TVB |
| Paraffin | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | A | A | TVNB |
| Perchloroethylene | 2 | 2 | 2 | 2 | 2 | 1 | - | - | X | X | TV |
| Petrolatum | 2 | - | 2 | - | 3 | 2 | 2 | 2 | A | - | TVNB |
| Phenol (Carbolic Acid) | 1 | 1 | X | 1 | 2 | 1 | - | 1 | X | X | TV |
| Phosphoric Acid | | | | | | | | | | | |
| Phosphoric Acid (25-50%) | X | X | 2 | 1 | X | X | - | - | X | A | TEVN |
| Phosphoric Acid (50-85%) | X | X | X | 1 | X | 3 | - | - | X | A | TEV |
| Photographic Solutions | - | - | - | - | X | 1 | 1 | 1 | X | X | TVNB |
| Phthalic Anhydride | - | 2 | 2 | 1 | 2 | 1 | 1 | 1 | X | X | TEV |
| Picric Acid | 1 | X | X | 2 | X | X | 2 | 2 | X | - | TEVNB |
| Plating Solutions | | | | | | | | | | | |
| Brass Plating Solution | - | - | - | 1 | - | - | - | 2 | X | A | TEVNB |
| Cadmium Plating Solution | - | - | - | 1 | - | - | - | 2 | X | A | TEVNB |
| Chrome 40% Plating Solution | X | 2 | 2 | 1 | X | X | 2 | 2 | X | A | TEVN |
| Copper (Cyanide) Plating Solution | - | - | - | 1 | - | - | - | - | X | A | TEVNB |
| Gold Plating Solution | - | - | - | 1 | - | - | - | 1 | X | A | TEVNB |
| Iron Plating Solution | - | - | - | - | - | - | - | - | X | A | TEVB |
| Lead Plating Solution | - | - | - | - | - | - | 1 | 1 | X | A | TEVNB |
| Nickel Plating Solution | - | - | - | 1 | - | - | 1 | 1 | X | A | TEVNB |
| Silver Plating Solution | - | - | - | 1 | - | - | 1 | 1 | X | A | TEVNB |
| Tin Plating Solution | - | - | - | 1 | - | - | - | 3 | X | A | TEVNB |
| Zinc Plating Solution | - | - | - | 1 | - | - | - | - | X | A | TEVNB |
| Potassium | | | | | | | | | | | |
| Potassium Acetate | X | X | X | - | 2 | - | - | - | A | A | TEVB |
| Potassium Bicarbonate (30%) | X | 2 | - | 2 | 2 | 2 | 1 | 1 | A | A | TEVNB |
| Potassium Carbonate (50%) | X | 2 | X | 2 | 2 | 2 | 1 | 1 | A | A | TEVNB |
| Potassium Chlorate (30%) | 2 | X | X | - | 2 | 2 | 2 | 1 | X | A | TEVNB |
| Potassium Chloride (30%) | X | X | 2 | - | 2 | 1 | - | - | A | A | TEVNB |
| Potassium Chromate (30%) | 2 | 2 | 2 | 2 | - | 2 | 2 | 2 | X | A | TEVB |
| Potassium Cyanide Solution (30%) | X | X | X | 2 | 2 | 2 | 2 | 2 | X | A | TEVNB |
| Potassium Dichromate (30%) | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | X | A | TEVB |
| Potassium Hydroxide (90%) | X | X | X | 2 | - | 2 | X | - | X | A | TENB |
| Potassium Nitrate (80%) | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | X | A | TEVNB |
| Potassium Permanganate (20%) | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | X | A | TEVN |
| Potassium Sulfate (10%) | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | A | A | TEVNB |
| Propane | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | X | X | TVB |
| Propylene Gylcol | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | A | A | TVNB |
| Propylene Oxide (90%) | - | - | - | - | - | - | 1 | 1 | X | X | TE |
| Pyridine | 2 | 2 | 2 | - | 2 | 2 | 2 | 2 | A | X | T |
| Pyrogallic Acid | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | X | X | TVNB |
| Silver Nitrate | X | X | X | - | X | X | 2 | 1 | X | A | TEVNB |
| Soap Solutions | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | A | A | TEVNB |

## Material Selection

| AGENT | Aluminum | Brass | Bronze | Hastelloy, C-276 | Malleable Iron Carbon Steel | Monel | Stainless Steel, 304 | Stainless Steel, 316 | Nylon | Polypropylene | Seal Material |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sodium | | | | | | | | | | | |
| Sodium Acetate | 1 | 2 | 2 | - | X | 2 | 2 | 2 | A | A | TEN |
| Sodium Bicarbonate (20%) | 2 | 2 | 2 | 1 | 3 | 1 | 1 | 1 | A | A | TEVNB |
| Sodium Bisulfate | X | - | 2 | 2 | 2 | - | - | - | A | A | TEVNB |
| Sodium Bisulfite | X | 2 | X | 2 | X | - | - | - | A | A | TEVNB |
| Sodium Borate | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | A | A | TEVNB |
| Sodium Perborate (10%) | 2 | X | 2 | 2 | 2 | 2 | 2 | 2 | X | A | TEVNB |
| Sodium Carbonate | X | 2 | - | 2 | 2 | 1 | - | 2 | A | A | TEVNB |
| Sodium Chlorate (50%) | 2 | 2 | 2 | 1 | X | 1 | 2 | 2 | X | A | TEVNB |
| Sodium Cyanide | X | X | X | 2 | 2 | X | - | - | A | A | TEVNB |
| Sodium Dichromate | 2 | X | X | 1 | 2 | - | 2 | 2 | X | A | TE |
| Sodium Hydroxide (70%) | X | X | X | 1 | 3 | 1 | 2 | 2 | X | A | TENB |
| Sodium Hydroxide (50%) | X | X | 3 | 1 | 3 | 1 | 1 | - | X | A | TENB |
| Sodium Hydroxide (30%) | X | 2 | 3 | 2 | 2 | 1 | 1 | 1 | X | A | TENB |
| Sodium Chloride (30%) | X | 2 | 2 | 2 | 2 | 1 | - | - | X | A | TEVNB |
| Sodium Hypochlorite | X | X | X | - | X | X | - | - | X | A | TEV |
| Sodium Metaphosphate | X | X | 2 | - | X | 2 | 2 | 2 | X | X | TEVNB |
| Sodium Nitrate (40%) | 1 | 2 | - | - | 2 | 2 | 1 | 1 | A | A | TENB |
| Sodium Perborate (10%) | 2 | X | 2 | 2 | 2 | 2 | 2 | 2 | X | A | TEVNB |
| Sodium Peroxide (10%) | 2 | X | X | 2 | 2 | 2 | 2 | 2 | X | A | TEVNB |
| Sodium Silicate | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | A | A | TEVNB |
| Sodium Sulfate | - | 2 | 2 | 2 | 2 | - | - | 1 | A | A | TEVNB |
| Sodium Sulfide (50%) | X | X | X | 2 | 2 | 2 | - | 2 | X | A | TEVNB |
| Sodium Thiosulphate | 2 | X | X | 2 | X | 2 | 2 | 2 | A | A | TEVNB |
| Stannic Chloride | X | X | X | - | X | X | X | X | X | A | TEVNB |
| Stannous Chloride | X | X | X | 2 | X | - | X | - | X | X | TEVNB |
| Steam | - | - | - | - | - | - | - | - | X | - | - |
| Stearic Acid | 2 | 3 | 2 | 1 | 3 | 3 | 2 | 1 | A | A | TVNB |
| Stoddard's Solvent | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | X | A | TVB |
| Sugar Liquors (Cane) | 1 | 2 | 1 | - | 2 | 2 | 2 | 2 | A | A | TEVNB |
| Sugar Liquors (Beet) | 1 | 2 | 1 | - | 2 | 1 | 1 | 1 | A | A | TEVNB |
| Sulfate Liquors | 2 | X | X | 2 | 3 | 2 | - | 2 | X | A | TVNB |
| Sulfite Liquors | X | X | - | 1 | X | X | 2 | 2 | X | X | TVNB |
| Sulfur Chloride | X | - | X | 2 | X | X | - | - | X | X | TV |
| Sulfur Dioxide (Dry) | 2 | 2 | 2 | 2 | 1 | 2 | - | 2 | X | A | TE |
| Sulfur Trioxide | 2 | 2 | X | 2 | 2 | 2 | - | 2 | X | X | TEV |
| Sulfuric Acid (TO 10%) | X | 2 | X | 1 | X | X | X | X | X | A | TEVNB |
| Sulfuric Acid (100%) | X | X | X | 1 | 2 | X | - | - | X | X | TV |
| Sulfurous Acid | 2 | 2 | X | - | X | X | X | - | X | A | TV |
| Tannic Acid | X | - | X | - | X | 2 | 2 | 2 | X | A | TEVNB |
| Tanning Liquors | 1 | - | 2 | 1 | - | - | 1 | 1 | X | A | TVNB |
| Tartaric Acid | - | - | 2 | 2 | - | - | 1 | 1 | A | A | TVNB |
| Titanium Tetrachloride | X | X | X | 2 | 2 | 2 | - | 2 | X | X | TV |
| Toluene | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | A | X | TVB |
| Tetrahydrofuran | X | - | 2 | 1 | 1 | - | 1 | 2 | A | X | T |
| Tomato Juice | 2 | - | 3 | 2 | 3 | 2 | 2 | 2 | X | A | TEVNB |
| Trichloroethylene | 1 | - | 2 | 1 | 2 | - | - | - | A | X | TV |
| Triethanolamine | 2 | X | 2 | 2 | 2 | 2 | 2 | 2 | A | X | TEVN |
| Triethylamine | - | - | - | - | - | 2 | 2 | 2 | A | X | TVB |
| Trisodium Phosphate (10%) | X | 2 | - | 1 | 2 | 2 | 1 | 1 | A | A | TVNB |
| Turpentine | 2 | X | 2 | 2 | 2 | 1 | 1 | 1 | X | X | TVB |
| Urea (50%) | 2 | - | 2 | - | 2 | 2 | 2 | 2 | A | A | TEVNB |
| Urine | - | - | - | - | 2 | - | 1 | 1 | X | A | TEVNB |
| Vinegar | X | X | 2 | 2 | 2 | 2 | 2 | 2 | X | A | TEVN |
| Water Acid (Mine) | X | X | X | 1 | X | - | - | - | X | A | TEVNB |
| Water (Distilled) | X | 2 | 2 | 1 | X | X | 2 | 2 | A | A | TEVNB |
| Water (Sea) | 2 | 2 | 2 | 1 | X | 2 | 2 | 2 | A | A | TEVNB |
| Whiskey | X | 2 | 2 | 1 | 2 | 2 | 1 | 1 | X | A | TEVNB |
| White Liquor (Pulp) | 2 | - | X | 2 | X | X | 2 | 2 | X | A | TEVNB |
| Wine | X | 2 | 2 | 1 | X | 2 | 1 | 1 | X | A | TEVNB |
| Xylene | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | A | X | TV |
| Zinc | | | | | | | | | | | |
| Zinc Chloride | X | X | X | 2 | X | - | X | 2 | A | A | TEVNB |
| Zinc Nitrate | - | - | - | - | - | - | 2 | 2 | X | A | TEVNB |
| Zinc Sulfate (50%) | X | 2 | 2 | 2 | X | 2 | 1 | 1 | X | A | TEVNB |

## Fraction - Decimal Conversion Chart

| | Inches | Millimeters |
|---|---|---|
| 1/64 | .015625 | .3969 |
| 1/32 | .03125 | .7938 |
| 3/64 | .046875 | 1.1906 |
| 1/16 | .0625 | 1.5875 |
| 5/64 | .078125 | 1.9844 |
| 3/32 | .09375 | 2.3813 |
| 7/64 | .109375 | 2.7781 |
| 1/8 | .125 | 3.1750 |
| 9/64 | .140625 | 3.5719 |
| 5/32 | .15625 | 3.9688 |
| 11/64 | .171875 | 4.3656 |
| 3/16 | .1875 | 4.7625 |
| 13/64 | .203125 | 5.1594 |
| 7/32 | .21875 | 5.5563 |
| 15/64 | .234375 | 5.9531 |
| 1/4 | .250 | 6.3500 |
| 17/64 | .265625 | 6.7469 |
| 9/32 | .28125 | 7.1438 |
| 19/64 | .296875 | 7.5406 |
| 5/16 | .3125 | 7.9375 |
| 21/64 | .328125 | 8.3344 |
| 11/32 | .34375 | 8.7313 |
| 23/64 | .359375 | 9.1282 |
| 3/8 | .375 | 9.5250 |
| 25/64 | .390625 | 9.9219 |
| 13/32 | .40625 | 10.3188 |
| 27/64 | .421875 | 10.7157 |
| 7/16 | .4375 | 11.1125 |
| 29/64 | .453125 | 11.5094 |
| 15/32 | .46875 | 11.9063 |
| 31/64 | .484375 | 12.3032 |
| 1/2 | .500 | 12.7001 |
| 33/64 | .515625 | 13.0969 |
| 17/32 | .53125 | 13.4938 |
| 35/64 | .546875 | 13.8907 |
| 9/16 | .5625 | 14.2876 |
| 37/64 | .578125 | 14.6844 |
| 19/32 | .59375 | 15.0813 |
| 39/64 | .609375 | 15.4782 |
| 5/8 | .625 | 15.8751 |
| 41/64 | .640625 | 16.2719 |
| 21/32 | .65625 | 16.6688 |
| 43/64 | .671875 | 17.0657 |
| 11/16 | .6875 | 17.4626 |
| 45/64 | .703125 | 17.8594 |
| 23/32 | .71875 | 18.2563 |
| 47/64 | .734375 | 18.6532 |
| 3/4 | .750 | 19.0501 |
| 49/64 | .765625 | 19.4470 |
| 25/32 | .78125 | 19.8438 |
| 51/64 | .796875 | 20.2407 |
| 13/16 | .8125 | 20.6376 |
| 53/64 | .828125 | 21.0345 |
| 27/32 | .84375 | 21.4313 |
| 55/64 | .859375 | 21.8282 |
| 7/8 | .875 | 22.2251 |
| 57/64 | .890625 | 22.6220 |
| 29/32 | .90625 | 23.0188 |
| 59/64 | .921875 | 23.4157 |
| 15/16 | .9375 | 23.8126 |
| 61/64 | .953125 | 24.2095 |
| 31/32 | .96875 | 24.6063 |
| 63/64 | .984375 | 25.0032 |
| 1 | 1.000 | 25.4001 |

## Measures of Pressure

1 Pound Per Square Inch = 144 Pounds Per Square Foot = 0.068 Atmosphere = 2.042 Inches of Mercury at **62°F** = 27.7 Inches of Water at 62°F = 2.31 Feet of Water at 62°F.

1 Atmosphere = 30 Inches of Mercury at **62°F** = 14.7 Pounds Per Square Inch = 2116.3 Pounds Per Square Foot = 33.95 Feet of Water at **62°F**.

1 Foot of Water at **62°F** = 62.355 Pounds Per Square Foot = 0.433 Pounds Per Square Inch.

1 Inch of Mercury at **62°F** = 1.132 Feet of Water = 13.58 Inches of Water = 0.491 Pounds Per Square Inch.

Column of Water 12 Inches High, 1 Inch in Diameter = .341 Pounds

If temperature is kept constant, the volume of a given mass of gas is inversely proportional to the pressure which is exerted upon it.

## Length Conversion Constants

Millimeters x .039370 = Inches
Meters x 39.370 = Inches
Meters x 3.2808 = Feet
Meters x 1.09361 = Yards
Kilometers x 3,280.8 = Feet
Kilometers x .62137 = Statute Mile
Kilometers x .53959 = Nautical Miles

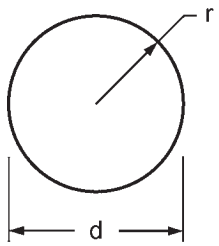
Inches x 25.4001 = Millimeters
Inches x .0254 = Meters
Feet x .30480 = Meters
Yards x .91440 = Meters
Feet x .0003048 = Kilometers
Statute Miles x 1.60935 = Kilometers
Nautical Miles x 1.85325 = Kilometers

## Weight Conversion Constants

Grams x .03527 = Ounces (Avd.)
Grams x .033818 = Fluid Ounces (Water)
Kilograms x 35.27 = Ounces (Avd.)
Kilograms x 2.20462 = Pounds (Avd.)

Ounces (Avd.) x 28.35 = Grams
Fluid Ounces (Water) x 29.57 = Grams
Ounces (Avd.) x .02835 = Kilograms
Pounds (Avd.) x .45359 = Kilograms

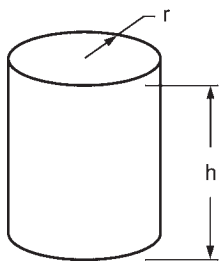
## Circumference of a Circle




Circumference = $2\pi r = \pi d = 3.14159\ d$

Area = $\pi r^2 = \pi \frac{d^2}{4} = .78539 d^2$

## Right Cylinder




r = radius
h = length

Volume = $\pi r^2 h$

Surface Area = $2\pi r\ (r + h)$

If end planes are parallel but not at 90° to h, the same formulas apply, but a slice at 90° through the cylinder must be used to determine r.

## Temperature Conversions

Look up reading in middle column (shaded). If in degrees Centigrade, read Fahrenheit equivalent in right-hand column; if in degrees Fahrenheit, read Centigrade equivalent in left-hand column.

| °C | °F / °C | °F |
|---|---|---|
| -73 | -100 | -148 |
| -68 | -90 | -130 |
| -62 | -80 | -112 |
| -57 | -70 | -94 |
| -51 | -60 | -76 |
| -46 | -50 | -58 |
| -40 | -40 | -40 |
| -34 | -30 | -22 |
| -29 | -20 | -4 |
| -23 | -10 | 14 |
| -17.8 | 0 | 32 |
| -17.2 | 1 | 33.8 |
| -16.7 | 2 | 35.6 |
| -16.1 | 3 | 37.4 |
| -15.6 | 4 | 39.2 |
| -15.0 | 5 | 41.0 |
| -14.4 | 6 | 42.8 |
| -13.9 | 7 | 44.6 |
| -13.3 | 8 | 46.4 |
| -12.8 | 9 | 48.2 |
| -12.2 | 10 | 50.0 |
| -11.7 | 11 | 51.8 |
| -11.1 | 12 | 53.6 |
| -10.6 | 13 | 55.4 |
| -10.0 | 14 | 57.2 |
| -9.4 | 15 | 59.0 |
| -8.9 | 16 | 60.8 |
| -8.3 | 17 | 62.6 |
| -7.8 | 18 | 64.4 |
| -7.2 | 19 | 66.2 |
| -6.7 | 20 | 68.0 |
| -6.1 | 21 | 69.8 |
| -5.6 | 22 | 71.6 |
| -5.0 | 23 | 73.4 |
| -4.4 | 24 | 75.2 |
| -3.9 | 25 | 77.0 |
| -3.3 | 26 | 78.8 |
| -2.8 | 27 | 80.6 |
| -2.2 | 28 | 82.4 |
| -1.7 | 29 | 84.2 |
| -1.1 | 30 | 86.0 |
| -.6 | 31 | 87.8 |
| 0 | 32 | 89.6 |
| .6 | 33 | 91.4 |
| 1.1 | 34 | 93.2 |
| 1.7 | 35 | 95.0 |
| 2.2 | 36 | 96.8 |
| 2.8 | 37 | 98.6 |
| 3.3 | 38 | 100.4 |
| 3.9 | 39 | 102.2 |
| 5.0 | 41 | 105.8 |
| 5.6 | 42 | 107.6 |
| 6.1 | 43 | 109.4 |
| 6.7 | 44 | 111.2 |
| .72 | 45 | 113.0 |
| 7.8 | 46 | 114.8 |
| 8.3 | 47 | 116.6 |
| 8.9 | 48 | 118.4 |
| 9.4 | 49 | 120.2 |
| 10.0 | 50 | 122.0 |
| 10.6 | 51 | 123.8 |
| 11.1 | 52 | 125.6 |
| 11.7 | 53 | 127.4 |
| 12.2 | 54 | 129.2 |
| 12.8 | 55 | 131.0 |
| 13.3 | 56 | 132.8 |
| 13.9 | 57 | 134.6 |
| 14.4 | 58 | 136.4 |
| 15.0 | 59 | 138.2 |
| 15.6 | 60 | 140.0 |
| 16.1 | 61 | 141.8 |
| 16.7 | 62 | 143.6 |
| 17.2 | 63 | 145.4 |
| 17.8 | 64 | 147.2 |
| 18.3 | 65 | 149.0 |
| 18.9 | 66 | 150.8 |
| 19.4 | 67 | 152.6 |
| 20.0 | 68 | 154.4 |
| 20.6 | 69 | 156.2 |
| 21.1 | 70 | 158.0 |
| 21.7 | 71 | 159.8 |
| 22.2 | 72 | 161.6 |
| 22.8 | 73 | 163.4 |
| 23.3 | 74 | 165.2 |
| 23.9 | 75 | 167.0 |
| 24.4 | 76 | 168.8 |
| 25.0 | 77 | 170.6 |
| 25.6 | 78 | 172.4 |
| 26.1 | 79 | 174.2 |
| 26.7 | 80 | 176.0 |
| 27.2 | 81 | 177.8 |
| 27.8 | 82 | 179.6 |
| 28.3 | 83 | 181.4 |
| 28.9 | 84 | 183.2 |
| 29.4 | 85 | 185.0 |
| 30.0 | 86 | 186.8 |
| 30.6 | 87 | 188.6 |
| 31.1 | 88 | 190.4 |
| 31.7 | 89 | 192.2 |
| 32.2 | 90 | 194.0 |
| 33.3 | 92 | 197.6 |
| 33.9 | 93 | 199.4 |
| 34.4 | 94 | 201.2 |
| 35.0 | 95 | 203.0 |
| 35.6 | 96 | 204.8 |
| 36.1 | 97 | 206.6 |
| 36.7 | 98 | 208.4 |
| 37.2 | 99 | 210.2 |
| 37.8 | 100 | 212.0 |
| | | |
| 43 | 110 | 230 |
| 49 | 120 | 248 |
| 54 | 130 | 266 |
| 60 | 140 | 284 |
| 66 | 150 | 302 |
| 71 | 160 | 320 |
| 77 | 170 | 338 |
| 82 | 180 | 356 |
| 88 | 190 | 374 |
| 93 | 200 | 392 |
| 99 | 210 | 410 |
| 100 | 212 | 413.6 |
| 104 | 220 | 428 |
| 110 | 230 | 446 |
| 116 | 240 | 464 |
| 121 | 250 | 482 |
| 127 | 260 | 500 |
| 132 | 270 | 518 |
| 138 | 280 | 536 |
| 143 | 290 | 554 |
| 149 | 300 | 572 |
| 154 | 310 | 590 |
| 160 | 320 | 608 |
| 166 | 320 | 626 |
| 170 | 338 | 640 |
| 171 | 340 | 644 |
| 177 | 350 | 662 |
| 182 | 360 | 680 |
| 186 | 366 | 691 |
| 188 | 370 | 698 |
| 193 | 380 | 716 |
| 198 | 388 | 730 |
| 199 | 390 | 734 |
| 204 | 400 | 752 |
| 208 | 406 | 763 |
| 210 | 410 | 770 |
| 216 | 420 | 788 |
| 221 | 430 | 806 |
| 227 | 440 | 824 |
| 232 | 450 | 842 |

## Steam Temperature and Pressure Conversion Guide

### Temperature - Pressure Equivalents of Saturated Steam Gauge Pressure at Sea Level

- Degrees Celsius = 5/9 (Degrees F - 32)

| Temperature | | Lbs. per Sq. Inch | Temperature | | Lbs. per Sq. Inch | Temperature | | Lbs. per Sq. Inch |
|---|---|---|---|---|---|---|---|---|
| °F | °C | | °F | °C | | °F | °C | |
| **212** | **100.0** | 0.0 | **286** | **141.1** | 39.4 | **336** | **168.9** | 97.1 |
| **214** | **101.1** | 0.6 | **287** | **141.7** | 40.3 | **337** | **169.4** | 98.7 |
| **216** | **102.2** | 1.2 | **288** | **142.2** | 41.1 | **338** | **170.0** | 100.2 |
| **218** | **103.3** | 1.8 | **289** | **142.8** | 42.0 | **339** | **170.6** | 101.8 |
| **220** | **104.4** | 2.5 | **290** | **143.3** | 42.9 | **340** | **171.1** | 103.3 |
| **222** | **105.6** | 3.2 | **291** | **143.9** | 43.8 | **341** | **171.7** | 105.0 |
| **224** | **106.7** | 3.9 | **292** | **144.4** | 44.7 | **342** | **172.2** | 106.5 |
| **226** | **107.8** | 4.6 | **293** | **145.0** | 45.6 | **343** | **172.8** | 108.2 |
| **228** | **108.9** | 5.3 | **294** | **145.6** | 46.5 | **344** | **173.3** | 109.8 |
| **230** | **110.0** | 6.1 | **295** | **146.1** | 47.5 | **345** | **173.9** | 111.5 |
| **232** | **111.1** | 6.9 | **296** | **146.7** | 48.4 | **346** | **174.4** | 113.1 |
| **234** | **112.2** | 7.7 | **297** | **147.2** | 49.4 | **347** | **175.0** | 114.8 |
| **236** | **113.3** | 8.5 | **298** | **147.8** | 50.3 | **348** | **175.6** | 116.5 |
| **238** | **114.4** | 9.4 | **299** | **148.3** | 51.3 | **349** | **176.1** | 118.2 |
| **240** | **115.6** | 10.3 | **300** | **148.9** | 52.3 | **350** | **176.7** | 119.9 |
| **242** | **116.7** | 11.2 | **301** | **149.4** | 53.4 | **352** | **177.8** | 123.5 |
| **244** | **117.8** | 12.1 | **302** | **150.0** | 54.4 | **354** | **178.9** | 127.1 |
| **246** | **118.9** | 13.1 | **303** | **150.6** | 55.4 | **356** | **180.0** | 130.8 |
| **248** | **120.0** | 14.1 | **304** | **151.1** | 56.4 | **358** | **181.1** | 134.5 |
| **250** | **121.1** | 15.1 | **305** | **151.7** | 57.5 | **360** | **182.2** | 138.3 |
| **252** | **122.2** | 16.2 | **306** | **152.2** | 58.6 | **362** | **183.3** | 142.3 |
| **254** | **123.3** | 17.3 | **307** | **152.8** | 59.7 | **364** | **184.4** | 146.2 |
| **256** | **124.4** | 18.4 | **308** | **153.3** | 60.7 | **366** | **185.6** | 150.3 |
| **258** | **125.6** | 19.6 | **309** | **153.9** | 61.9 | **368** | **186.7** | 154.4 |
| **260** | **126.7** | 20.7 | **310** | **154.4** | 63.0 | **370** | **187.8** | 158.7 |
| **261** | **127.2** | 21.4 | **311** | **155.0** | 64.2 | **372** | **188.9** | 163.0 |
| **262** | **127.8** | 22.0 | **312** | **155.6** | 65.3 | **374** | **190.0** | 167.4 |
| **263** | **128.3** | 22.6 | **313** | **156.1** | 66.5 | **376** | **191.1** | 171.9 |
| **264** | **128.9** | 23.2 | **314** | **156.7** | 67.6 | **378** | **192.2** | 176.4 |
| **265** | **129.4** | 23.9 | **315** | **157.2** | 68.8 | **380** | **193.3** | 181.1 |
| **266** | **130.0** | 24.5 | **316** | **157.8** | 70.0 | **382** | **194.4** | 185.8 |
| **267** | **130.6** | 25.2 | **317** | **158.3** | 71.3 | **384** | **195.6** | 190.6 |
| **268** | **131.1** | 25.8 | **318** | **158.9** | 72.5 | **386** | **196.7** | 195.6 |
| **269** | **131.7** | 26.5 | **319** | **159.4** | 73.7 | **388** | **197.8** | 200.6 |
| **270** | **132.2** | 27.2 | **320** | **160.0** | 75.0 | **390** | **198.9** | 205.7 |
| **271** | **132.8** | 27.9 | **321** | **160.6** | 76.3 | **392** | **200.0** | 210.9 |
| **272** | **133.3** | 28.6 | **322** | **161.1** | 77.5 | **394** | **201.1** | 216.2 |
| **273** | **133.9** | 29.3 | **323** | **161.7** | 78.8 | **396** | **202.2** | 221.5 |
| **274** | **134.4** | 30.0 | **324** | **162.2** | 80.1 | **398** | **203.3** | 227.0 |
| **275** | **135.0** | 30.8 | **325** | **162.8** | 81.5 | **400** | **204.4** | 232.6 |
| **276** | **135.6** | 31.5 | **326** | **163.3** | 82.8 | **402** | **205.5** | 238.0 |
| **277** | **136.1** | 32.3 | **327** | **163.9** | 84.2 | **404** | **206.7** | 244.0 |
| **278** | **136.7** | 33.0 | **328** | **164.4** | 85.6 | **406** | **207.8** | 250.0 |
| **279** | **137.2** | 33.8 | **329** | **165.0** | 87.0 | **408** | **208.9** | 256.0 |
| **280** | **137.8** | 34.5 | **330** | **165.6** | 88.4 | **410** | **210.0** | 262.0 |
| **281** | **138.3** | 35.3 | **331** | **166.1** | 89.8 | **412** | **211.1** | 268.0 |
| **282** | **138.9** | 36.1 | **332** | **166.7** | 91.2 | **414** | **212.2** | 275.0 |
| **283** | **139.4** | 36.9 | **333** | **167.2** | 92.7 | **416** | **213.3** | 281.0 |
| **284** | **140.0** | 37.7 | **334** | **167.8** | 94.1 | **418** | **214.4** | 288.0 |
| **285** | **140.6** | 38.6 | **335** | **168.3** | 95.6 | **420** | **215.6** | 294.0 |

## Pressure Conversions

**100 PSI** = 6.9 Bars

**250 PSI** = 17.25 Bars

5 Bars = **72.5 PSI**

10 Bars = **145 PSI**

# Pressure - Temperature Ratings

- Ratings apply to all products covered by ANSI B16.5 valves conforming to the requirements of this standard must, in other respects, merit these ratings.
- All ratings are maximum allowable non-shock pressures (PSIG) at the tabulated temperatures (degree Fahrenheit). Temperatures are those on the inside of the pressure retaining structure.
- The use of these ratings requires gaskets conforming to the requirements of ANSI B16.5. The user is responsible for selecting gaskets of dimensions and materials to withstand the required bolt loading without injurious crushing, and suitable for the service conditions in all other respects.

| Pressure Class | 150 | 300 |
|---|---|---|
| Test Pressure | 425 | 1100 |
| Service Temperature °F | Working Pressure | |
| -20 to 100 | 275 | 720 |
| 150 | 255 | 710 |
| 200 | 240 | 700 |
| 250 | 225 | 690 |
| 300 | 210 | 680 |
| 350 | 195 | 675 |
| 400 | 180 | 665 |
| 450 | 165 | 650 |
| 500 | 150 | 625 |
| 550 | 140 | 590 |
| 600 | 130 | 555 |
| 650 | 120 | 515 |
| 700 | 110 | 470 |
| 750 | 100 | 425 |

## Air Velocity in a Pipe

Using the equation and typical values of V, D, and L explained to the right approximate values of P are computed as follows:

| Velocity Ft / Sec | Pipe Diameter in Inches, 10' long | | | | |
|---|---|---|---|---|---|
| | 1 | 2 | 4 | 6 | 10 |
| 1 | .0004 | .0002 | .0001 | .00007 | .00004 |
| 2 | .0016 | .0008 | .0004 | .00030 | .00016 |
| 5 | .0100 | .0050 | .0025 | .00170 | .0010 |
| 10 | .0400 | .0200 | .0100 | .00670 | .0040 |
| 15 | .0900 | .0450 | .0225 | .01500 | .0090 |
| 20 | .1600 | 0080 | .0400 | .02700 | .0160 |
| 25 | .2500 | .1250 | .0625 | .04170 | .0250 |
| 30 | .3600 | .1800 | .0900 | .06000 | .0360 |

$$V = \sqrt{\frac{25{,}000\ DP}{L}}$$

V = air velocity in feet per second
D = pipe inside diameter in inches
L = length of pipe in feet
P = pressure loss due to air friction in ounces/square inch

## Air Volume Discharged from Pipe

CFM = air volume in cubic feet per minute
V = air velocity in feet per second as determined in the equation at the top of this page
A = cross section area of pipe in square feet

$$CFM = 60VA$$

## Boyle's Law

If temperature is kept constant, the volume of a given mass of gas is inversely proportional to the pressure which is exerted upon it.

$$\frac{\text{Initial Pressure}}{\text{Final Pressure}} = \frac{\text{Final Volume}}{\text{Initial Volume}}$$

## Air Supply Requirements (operating pressure: 90 PSI)

| Tool | Class | Typical Air Consumption (CFM) | Hose Size (inches) | | |
|---|---|---|---|---|---|
| | | | 0 - 10 ft. | 10 - 50 ft. | 50 - 200 ft. |
| Paving breakers | 25 lb.<br>35 lb.<br>60 lb.<br>80 lb. | 45<br>50<br>65<br>80 | 1/2"<br>1/2"<br>1/2"<br>3/4" | 1/2"<br>3/4"<br>3/4"<br>3/4" | 3/4"<br>3/4"<br>1"<br>1" |
| Clay diggers | | 45 | 1/2" | 1/2" | 3/4" |
| Hand drills | 8 lb.<br>15 lb. | 20<br>32 | 3/8"<br>3/8" | 3/8"<br>1/2" | 1/2"<br>1/2" |
| Rock (sinker) drills | 45 lb.<br>55 lb. | 105<br>130 | 3/4"<br>3/4" | 3/4"<br>1" | 1"<br>1" |
| Tampers | 5" butt<br>6" butt | 20<br>30 | 3/8"<br>1/2" | 1/2"<br>1/2" | 1/2"<br>3/4" |
| Sump pump<br>Sludge pump | 3 HP<br>Ejector | 100<br>90 | 3/4"<br>1" | 3/4"<br>1" | 1"<br>1" |
| Vibrators | 2-1/2"<br>3" | 60<br>60 | 1"<br>1" | 1"<br>1" | 1"<br>1" |
| Chipping hammers | | 25 | 3/8" | 1/2" | 1/2" |
| Impact wrenches | 3/8" sq. dr.<br>1/2"<br>3/4"<br>1" | 10<br>15<br>25<br>50 | 5/16"<br>5/16"<br>3/8"<br>1/2" | 3/8"<br>3/8"<br>1/2"<br>3/4" | 3/8"<br>1/2"<br>1/2"<br>3/4" |
| Drills | 1/4" - 1/2" | 22 | 3/8" | 3/8" | 1/2" |
| Grinders | die / burr<br>small angle<br>3 HP vertical | 20<br>20<br>75 | 3/8"<br>3/8"<br>1/2" | 3/8"<br>3/8"<br>3/4" | 1/2"<br>1/2"<br>1" |

## CFM vs PSI for Nozzles

- **PSI** = pounds/square inch
- CFM = cubic feet/minute

| Gauge PSI | CFM Free Air Flow @ Nozzle Diameter (inches) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 1/64 | 1/32 | 3/64 | 1/16 | 3/32 | 1/8 | 3/16 | 1/4 |
| 1 | .03" | .11" | .2" | .4" | 1.0" | 1.7" | 3.9" | 6.8" |
| 5 | .06" | .24" | .5" | 1.0" | 2.2" | 3.9" | 8.7" | 15.4" |
| 10 | .08" | .34" | .8" | 1.4" | 3.1" | 5.4" | 12.3" | 21.8" |
| 15 | .10" | .42" | .9" | 1.6" | 3.7" | 6.6" | 15.0" | 26.7" |
| 20 | .12" | .48" | 1.1" | 1.9" | 4.2" | 7.7" | 17.1" | 30.8" |
| 25 | .13" | .54" | 1.2" | 2.2" | 4.7" | 8.6" | 19.4" | 34.5" |
| 30 | .16" | .63" | 1.4" | 2.5" | 5.6" | 10.0" | 22.5" | 40.0" |
| 40 | .19" | .77" | 1.7" | 3.1" | 6.8" | 12.3" | 27.5" | 49.1" |
| 50 | .22" | .91" | 2.0" | 3.6" | 8.2" | 14.5" | 32.8" | 58.2" |
| 60 | .26" | 1.05" | 2.3" | 4.2" | 9.4" | 16.8" | 37.5" | 67.0" |
| 70 | .29" | 1.19" | 2.7" | 4.8" | 10.7" | 19.0" | 43.0" | 76.0" |
| 80 | .33" | 1.33" | 3.0" | 5.3" | 11.9" | 21.2" | 47.5" | 85.0" |
| 90 | .36" | 1.47" | 3.3" | 5.9" | 13.1" | 23.5" | 52.5" | 94.0" |
| 100 | .40" | 1.61" | 3.7" | 6.4" | 14.5" | 25.8" | 58.3" | 103.0" |
| 110 | .43" | 1.76" | 3.9" | 7.0" | 15.7" | 28.0" | 63.0" | 112.0" |
| 120 | .47" | 1.90" | 4.3" | 7.6" | 17.0" | 30.2" | 68.0" | 121.0" |
| 130 | .50" | 2.04" | 4.6" | 8.1" | 18.2" | 32.4" | 73.0" | 130.0" |
| 140 | .54" | 2.17" | 4.9" | 8.7" | 19.5" | 34.5" | 78.0" | 138.0" |
| 150 | .57" | 2.33" | 5.2" | 9.2" | 20.7" | 36.7" | 83.0" | 147.0" |
| 175 | .66" | 2.65" | 5.9" | 10.6" | 23.8" | 42.1" | 95.0" | 169.0" |
| 200 | .76" | 3.07" | 6.9" | 12.2" | 27.5" | 48.7" | 110.0" | 195.0" |

## Air Receiver Capacities

| Tank Size (inches) | Tank Size (gallons) | Gauge Pressure on Tank (PSI) | | | |
|---|---|---|---|---|---|
| | | 0 | 100 | 150 | 200 |
| | | Cubic Feet Tank Capacity | | | |
| 12 x 24 | 10 | 1.3 | 11 | 15 | 19 |
| 14 x 36 | 20 | 2.7 | 21 | 30 | 39 |
| 16 x 36 | 30 | 4.0 | 31 | 45 | 59 |
| 20 x 48 | 60 | 8.0 | 62 | 90 | 117 |
| 20 x 63 | 80 | 10.7 | 83 | 120 | 156 |
| 24 x 68 | 120 | 16.0 | 125 | 180 | 234 |
| 30 x 84 | 240 | 32.0 | 250 | 360 | 467 |

If your tank is not listed in the table to the left, use the following formula to calculate the tank size (gallons) and then estimate the cubic feet tank capacity at a given pressure from the table above.

$$\text{Tank Gallons} = \frac{\text{Tank Height} \times (\text{Tank Radius})^2}{73.53}$$

Height and radius are in inches

## Air Hose Friction

- **PSI** = pressure in pounds/square inch
- CFM = air flow in cubic feet/minute

| Hose Size (inches) | CFM thru 50' Hose | Gauge Pressure - Pounds/sq inch | | | |
|---|---|---|---|---|---|
| | | 50 | 70 | 90 | 110 |
| | | PSI Loss Over 50' Hose Length | | | |
| 1/2" | 20 | 1.8 | 1.0 | .8 | .6 |
| | 30 | 5.0 | 3.4 | 2.4 | 2.0 |
| | 40 | 10.1 | 7.0 | 5.4 | 4.3 |
| | 50 | 18.1 | 12.4 | 9.5 | 7.6 |
| | 60 | + | 20.0 | 14.8 | 12.0 |
| | 70 | + | 28.4 | 22.0 | 17.6 |
| | 80 | + | + | 30.5 | 24.6 |
| | 90 | + | + | 41.0 | 33.3 |
| | 10 | + | + | + | 44.5 |
| | 110 | + | + | + | + |
| 3/4" | 20 | 04 | .2 | .2 | .1 |
| | 30 | .08 | .5 | .4 | .3 |
| | 40 | 1.5 | .9 | .7 | .5 |
| | 50 | 2.4 | 1.5 | 1.1 | .9 |
| | 60 | 3.5 | 2.3 | 1.6 | 1.3 |
| | 70 | 4.4 | 3.2 | 2.3 | 1.8 |
| | 80 | 6.5 | 4.2 | 3.1 | 2.4 |
| | 90 | 8.5 | 5.5 | 4.0 | 3.1 |
| | 100 | 11.4 | 7.0 | 5.0 | 3.9 |
| | 110 | 14.2 | 8.8 | 6.2 | 4.9 |
| | 120 | + | 11.0 | 7.5 | 5.9 |
| | 130 | + | + | 9.0 | 7.1 |
| 1" | 20 | .1 | 0 | 0 | 0 |
| | 30 | .2 | .1 | .1 | .1 |
| | 40 | .3 | .2 | .2 | .2 |
| | 50 | .5 | .4 | .3 | .2 |
| | 60 | .8 | .5 | .4 | .3 |
| | 70 | 1.1 | .7 | .6 | .4 |
| | 80 | 1.5 | 1.0 | .7 | .6 |
| | 90 | 2.0 | 1.3 | .9 | .7 |
| | 100 | 2.6 | 1.6 | 1.2 | .9 |
| | 110 | 3.5 | 2.0 | 1.4 | 1.1 |
| | 120 | 4.8 | 2.5 | 1.7 | 1.3 |
| | 130 | 7.0 | 3.1 | 2.0 | 1.5 |

+ Pressure loss is too great and therefore the combination of hose size, CFM, and gauge pressure is not recommended. Gauge pressures are the indicated air pressure, in pounds/square inch, at the source (i.e. the air compressor receiver tank).

# Maximum Recommended Air Flow (SCFM) Through ANSI Standard Weight Schedule 40 Metal Pipe

- Flow values in the table below are based on a pressure drop of 10% of the applied pressure per 100 feet of pipe for 1/8", 1/4", 3/8", and 1/2" pipe sizes; and a pressure drop of 5% of the applied pressure per 100 feet of pipe for 3/4", 1", 1-1/4", 2", 2-1/2", 3" pipe sizes. The table gives recommended flows for pipe sizes at listed pressures and should be used to determine appropriate piping for air systems.

| Applied Pressure PSI | Nominal Standard Pipe Size | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1/8" | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" | 2-1/2" | 3" |
| **5** | 0.5 | 1.2 | 2.7 | 4.9 | 6.6 | 13 | 27 | 40 | 80 | 135 | 240 |
| **10** | 0.8 | 1.7 | 3.9 | 7.7 | 11.0 | 21 | 44 | 64 | 125 | 200 | 370 |
| **20** | 1.3 | 3.0 | 6.6 | 13.0 | 18.5 | 35 | 75 | 110 | 215 | 350 | 600 |
| **40** | 2.5 | 5.5 | 12.0 | 23.0 | 34.0 | 62 | 135 | 200 | 385 | 640 | 1100 |
| **60** | 3.5 | 8.0 | 18.0 | 34.0 | 50.0 | 93 | 195 | 290 | 560 | 900 | 1600 |
| **80** | 4.7 | 10.5 | 23.0 | 44.0 | 65.0 | 120 | 255 | 380 | 720 | 1200 | 2100 |
| **100** | 5.8 | 13.0 | 29.0 | 54.0 | 80.0 | 150 | 315 | 470 | 900 | 1450 | 2600 |
| **150** | 8.6 | 20.0 | 41.0 | 80.0 | 115.0 | 220 | 460 | 680 | 1350 | 2200 | 3900 |
| **200** | 11.5 | 26.0 | 58.0 | 108.0 | 155.0 | 290 | 620 | 910 | 1750 | 2800 | 5000 |
| **250** | 14.5 | 33.0 | 73.0 | 135.0 | 200.0 | 370 | 770 | 1150 | 2200 | 3500 | 6100 |

## Suggested Pipe Size for Compressed Air Flow at 100 PSI Length of Run, Feet

| SCFM Air Flow | 25 | 50 | 75 | 100 | 150 | 200 | 300 | 500 | 1000 | Compressor HP |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 3/4 | 3/4 | 1 |
| 12 | 1/2 | 1/2 | 1/2 | 3/4 | 3/4 | 1/2 | 3/4 | 1 | 1 | 3 |
| 20 | 3/4 | 3/4 | 3/4 | 3/4 | 1 | 3/4 | 1 | 1-1/4 | 1-1/4 | 5 |
| 30 | 3/4 | 3/4 | 1 | 1 | 1 | 1 | 1-1/4 | 1-1/4 | 1-1/4 | 7-1/2 |
| 40 | 3/4 | 1 | 1 | 1 | 1-1/4 | 1 | 1-1/4 | 1-1/2 | 1-1/2 | 10 |
| 60 | 1 | 1 | 1-1/4 | 1-1/4 | 1-1/4 | 1-1/4 | 1-1/2 | 1-1/2 | 2 | 15 |
| 80 | 1 | 1-1/4 | 1-1/4 | 1-1/4 | 1-1/2 | 1-1/4 | 1-1/2 | 2 | 2 | 20 |
| 100 | 1-1/4 | 1-1/4 | 1-1/2 | 1-1/2 | 1-1/2 | 1-1/2 | 2 | 2 | 2-1/2 | 25 |
| 120 | 1-1/4 | 1-1/2 | 1-1/2 | 1-1/2 | 2 | 1-1/2 | 2 | 2-1/2 | 2-1/2 | 30 |
| 160 | 1-1/4 | 1-1/2 | 1-1/2 | 2 | 2 | 1-1/2 | 2-1/2 | 2-1/2 | 3 | 40 |
| 200 | 1-1/2 | 2 | 2 | 2 | 2 | 2 | 2-1/2 | 3 | 3 | 50 |
| 240 | 1-1/2 | 2 | 2 | 2 | 2-1/2 | 2 | 2-1/2 | 3 | 3 | 60 |
| 300 | 2 | 2 | 2 | 2-1/2 | 2-1/2 | 2 | 3 | 3 | 3-1/2 | 75 |
| 400 | 2 | 2-1/2 | 2-1/2 | 2-1/2 | 3 | 2-1/2 | 3 | 3-1/2 | 4 | 100 |
| 500 | 2 | 2-1/2 | 2-1/2 | 3 | 3 | 2-1/2 | 3-1/2 | 3-1/2 | 4 | 125 |

On a compressed air distribution system, pressure losses greater than 3% are considered excessive, and a well-designed system having a steady rate of air flow is usually designed for not more than a 1% loss or **1 PSI** for a **100 PSI** system. The pipe size depends not only on the volume of air flow but how far it must be carried. To hold the distribution loss to 1 PSI, pipes of larger diameter must be used on longer runs to carry the same flow that can be handled by smaller pipes on shorter runs.

Figures in the body of the chart above are pipe sizes recommended on a **100 PSI** system to carry air with less than **1 PSI** loss. When measuring lengths of runs, add 5' of length for each pipe fitting. If carrying **120 PSI** pressure these sizes will carry slightly more air than shown, or pressure loss will be slightly less than **1 PSI**. If carrying **80 PSI** pressure these pipes will carry slightly less air at **1 PSI** pressure loss than shown in the chart.

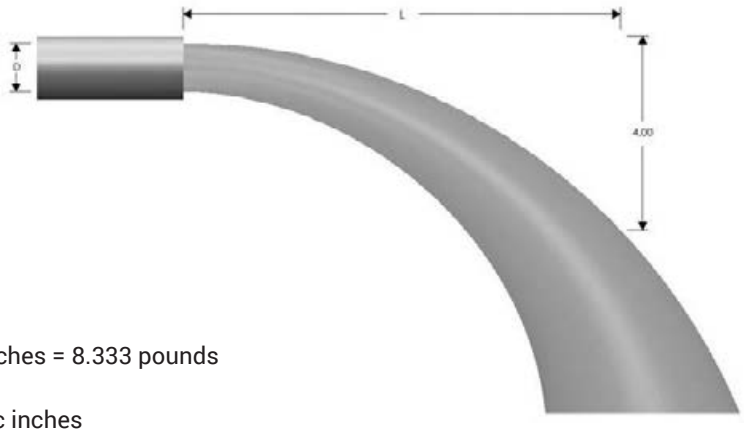
The left column of the chart shows the volume of air to be carried. It is difficult to estimate the air flow volume to be carried in each leg of the distribution system. This varies with the application. On some applications, like in a large plant with many legs in the distribution system serving dozens of air-operated machines, the air usage may be at a fairly steady rate. Other applications, usually on small systems, may have to carry a high surge of air if several machines happen to be operated at the same time. Then there may be a period with almost no flow.

To make a realistic estimate of air flow volume, the far right column of the chart showing compressor HP may be used. On steady pumping, a compressor will produce a minimum of 4 SCFM air flow for each 1 HP of capacity. This is a conservative figure, as most compressors will produce 5 or 6 SCFM.

For example, a 25 HP compressor will produce at least 100 SCFM of air as shown in the far left column on the same line as 25 HP.

(Excerpted from *Industrial Fluid Power*, Volume 1, third edition, 1984)

## Water Constants and Formulas




1 gallon water = 231 cubic inches = 8.333 pounds

1 pound of water = 27.7 cubic inches

1 cubic foot water = 7.5 gallons = 62.5 pounds (salt water weighs approximately 64.3 pounds per cubic foot)

Pounds per square inch at bottom of a column of water = height of column in feet x .434

1 miner's inch = 9 to 12 gallons per minute

Horsepower to raise water:
If pumping liquid other than water, multiply the gallons per minute below by the liquid's specific gravity

$$\text{Horsepower} = \frac{\text{gallons per minute x total head in feet}}{3{,}960}$$

Gallons per minute through a pipe:
GPM = .0408 x pipe diameter inches$^2$ x feet/minute water velocity

Weight of water in a pipe:
Pounds water = pipe length feet x pipe diameter inches $^2$ x .34

| L Distance (inches) | Gallons per Minute Discharge for a Given Nominal Pipe Diameter D (inches) | | | | |
|---|---|---|---|---|---|
| | 5 | 6 | 8 | 10 | 12 |
| 5 | 163 | --- | --- | --- | --- |
| 6 | 195 | 285 | --- | --- | --- |
| 7 | 228 | 334 | 580 | --- | --- |
| 8 | 260 | 380 | 665 | 1060 | --- |
| 9 | 293 | 430 | 750 | 1190 | 1660 |
| 10 | 326 | 476 | 830 | 1330 | 1850 |
| 11 | 360 | 525 | 915 | 1460 | 2020 |
| 12 | 390 | 570 | 1000 | 1600 | 2220 |
| 13 | 425 | 620 | 1080 | 1730 | 2400 |
| 14 | 456 | 670 | 1160 | 1860 | 2590 |
| 15 | 490 | 710 | 1250 | 2000 | 2780 |
| 16 | 520 | 760 | 1330 | 2120 | 2960 |
| 17 | 550 | 810 | 1410 | 2260 | 3140 |
| 18 | 590 | 860 | 1500 | 2390 | 3330 |
| 19 | 620 | 910 | 1580 | 2520 | 3500 |
| 20 | 650 | 950 | 1660 | 2660 | 3700 |
| 21 | 685 | 1000 | 1750 | 2800 | 3890 |
| 22 | 720 | 1050 | 1830 | 2920 | 4060 |
| 23 | 750 | 1100 | 1910 | 3060 | 4250 |
| 24 | --- | 1140 | 2000 | 3200 | 4440 |

## Water Discharge Table

This table is intended for general reference and general applicability only and should not be relied upon as the sole or precise source of information available with respect to the subject covered. The user should also refer to and follow manufacturers' specific instructions and recommendations with regard to such information, where they exist.

**Flow of water through 100 foot lengths of hose, Straight - Smooth Bore - US gallons per minute**

| PSI at Hose Inlet | Nominal Hose I.D. Diameters - Inches | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 1" | 1-1/4" | 1-1/2" | 2" | 2-1/2" | 3" | 4" | 6" |
| **20** | 26 | 47 | 76 | 161 | 290 | 468 | 997 | 2895 |
| **30** | 32 | 58 | 94 | 200 | 360 | 582 | 1240 | 3603 |
| **40** | 38 | 68 | 110 | 234 | 421 | 680 | 1449 | 4209 |
| **50** | 43 | 77 | 124 | 264 | 475 | 767 | 1635 | 4748 |
| **60** | 47 | 85 | 137 | 291 | 524 | 846 | 1804 | 5239 |
| **75** | 53 | 95 | 154 | 329 | 591 | 955 | 2035 | 5910 |
| **100** | 62 | 112 | 180 | 384 | 690 | 1115 | 2377 | 6904 |
| **125** | 70 | 126 | 203 | 433 | 779 | 1258 | 2681 | 7788 |
| **150** | 77 | 139 | 224 | 478 | 859 | 1388 | 2958 | 8593 |
| **200** | 90 | 162 | 262 | 558 | 1004 | 1621 | 3455 | 10038 |

Figures are to be used as a guide since the hose inside diameter tolerance, the type of fittings used, and orifice

## Conversion Table - Feet of Water to Inches of Mercury

| Feet of Water | 1 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inches of Mercury | 0.9 | 1.8 | 3.5 | 5.3 | 7.1 | 8.8 | 10.6 | 12.4 | 14.1 | 17.7 | 19.4 | 21.2 | 23.0 | 24.8 | 26.5 | 28.3 | 30.0 |

## Feet Head of Water to PSI

- One foot of water at **62°F** = **0.433 PSI**, to find the **PSI** for any feet head not given in the table, multiply the feet head by 0.433.

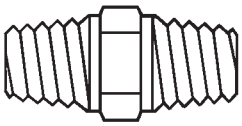
| Feet Head | Pounds per Square Inch |
|---|---|
| 1 | **0.43** |
| 2 | **0.87** |
| 3 | **1.30** |
| 4 | **1.73** |
| 5 | **2.17** |
| 6 | **2.60** |
| 7 | **3.03** |
| 8 | **3.46** |
| 9 | **3.90** |
| 10 | **4.33** |
| 15 | **6.50** |
| 20 | **8.66** |
| 25 | **10.83** |
| 30 | **12.99** |
| 40 | **17.32** |
| 50 | **21.65** |
| 60 | **25.99** |
| 70 | **30.32** |
| 80 | **34.65** |
| 90 | **38.98** |
| 100 | **43.31** |
| 110 | **47.64** |
| 120 | **51.97** |
| 130 | **56.30** |
| 140 | **60.63** |
| 150 | **64.96** |
| 160 | **69.29** |
| 170 | **73.63** |
| 180 | **77.96** |
| 200 | **86.62** |
| 250 | **108.27** |
| 300 | **129.93** |
| 350 | **151.58** |
| 400 | **173.24** |
| 500 | **216.55** |
| 600 | **259.85** |
| 700 | **303.16** |
| 800 | **346.47** |
| 900 | **389.78** |

# Thread Information

## Pipe Threads

Pipe threads are either tapered or straight (parallel). The two styles may or may not be compatible. Refer to thread information chart on page 1127.

### Tapered threads

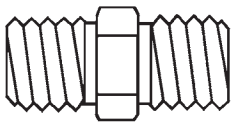


tapered threads

Tapered threads are the most common type of thread available. As the name implies, they have a slight taper. When mated together and tightened, the threads compress and may form a seal. Usually a thread sealant is required. The mating threads both hold the fitting in place and seal the connection. The most widely used pipe threads in North America are NPT (National Pipe Taper). Some confusion may result from the use of NPT, FPT, and MPT in describing threads. Both FPT and MPT are NPT threads, with FPT meaning female threads (internal) and MPT meaning male threads (external).

NPTF (Dryseal) threads are modified NPT threads, which are less likely to leak without a sealant. For a leak-free seal, we recommend using a sealant compound or PTFE tape. You can use NPTF threads with NPT threads, but you'll lose some of the leak-free characteristics.

### Straight threads



straight threads

Straight (parallel) threads are used for mechanical joining. They serve one purpose - to hold a fitting in place. As a result, an O-ring (elastomer), hard metal seal or a soft seat seal is required. Straight pipe threads include NPSM (National Pipe Straight Mechanical), and NPSH (National Pipe Straight Hose). Sizing and pitches may differ from the NPT threads

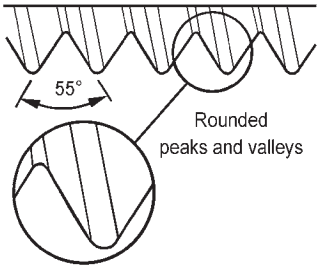
Less common straight threads are GHT (Garden Hose) and NST (fire hose coupling).

### NPT vs. BSP (British Standard Pipe)

BSP threads are common in many countries outside the United States. BSP consists of two types of threads - BSPT (British Standard Pipe Taper) and BSPP (British Standard Pipe Parallel).

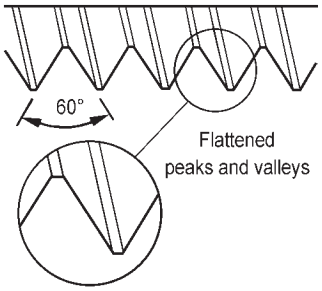
BSPT threads have a slight taper similar to NPT. BSPP threads are straight (parallel) threads and have the same thread angle, shape and threads per inch (pitch) as BSPT threads. *BSPT and BSPP threads should not be substituted for NPT threads*.

BSPT/BSPP threads




NPT and BSPT/BSPP threads have different angles, shape, and (in most cases) threads per inch (pitch). The thread angle is 60° for NPT threads; 55° for BSPT/BSPP threads. NPT threads are flattened at the peaks and valleys, while BSPT/BSPP threads are rounded.

NPT threads




| Nominal Pipe Size | Threads per inch | |
|---|---|---|
| | NPT | BSPT / BSPP |
| 1/16" | 27 | --- |
| 1/8" | 27 | 28 |
| 1/4" | 18 | 19 |
| 3/8" | 18 | 19 |
| 1/2" | 14 | 14 |
| 3/4" | 14 | 14 |
| 1" | 11-1/2 | 11 |
| 1-1/4" | 11-1/2 | 11 |
| 1-1/2" | 11-1/2 | 11 |
| 2" | 11-1/2 | 11 |
| 2-1/2" | 8 | 11 |
| 3" | 8 | 11 |
| 3-1/2" | 8 | 11 |
| 4" | 8 | 11 |
| 5" | 8 | 11 |
| 6" | 8 | 11 |

# Thread Information

## Identifying Threads

*It is important to identify the threads required before ordering couplings.*

Identifying threads can sometimes be the most difficult and frustrating part of coupling selection. However, without the right combination of threads, you may not provide a functional or safe connection.

The diameters, threads per inch (TPI) and thread pitch, etc. are necessary to completely identify a thread. Ring, plug, and GO/NOGO gauges are required to accurately gauge or identify threads. In the field, in the absence of these gauges, thread leaf gauges can be used to identify the threads per inch (TPI) and the thread pitch. On threads you have determined to be straight threads, a caliper can be used to measure the outside diameter of the male (ODM) or the inside diameter of the female (IDF). A caliper can also be used to take measurements of tapered thread diameters. However, these are more difficult to define because of the taper. Fortunately, there are few tapered threads to deal with and these can usually be identified from the nominal ODM and the TPI.

However, identifying the thread may not fully identify what is needed in a mating fitting. The application is the primary *limiting factor on the thread type used.* Dixon® offers products with a wide variety of threads used with hose, pipe, and hydraulics.

When attempting to choose a fitting, it is always advisable to first identify the thread to which it must connect. This may entail checking with a fitting or equipment manufacturer.

*The fire hose thread specifications for some local municipal fire equipment and hydrants may vary according to local specifications. These can generally be most easily identified by contacting the local fire department responsible for the hydrant.* The most common thread used on fire equipment is National Standard Thread (NST), also known as National Hose thread (NH).

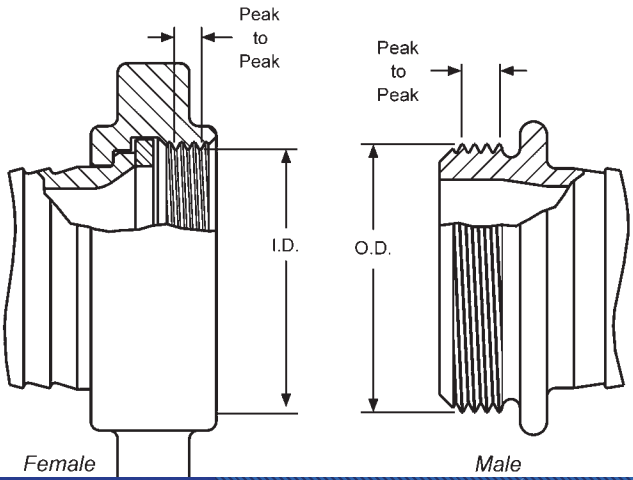
When it is not possible to identify the thread:

1. Determine the number of threads per inch by measuring the distance from peak of thread to peak of thread across the largest number of whole threads. Then divide the number of threads by the measurement (this will provide the TPI).

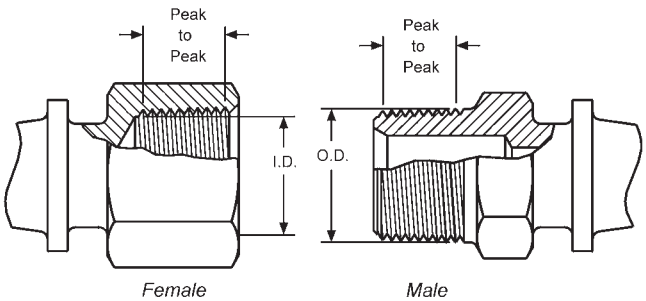
2. Check to see if the thread is straight or tapered.
   a) Straight Threads
      Measure the outside diameter of the male (ODM) or the inside diameter of the female (IDF), from peak of thread to peak of thread.
   b) Tapered Threads
      Measure the outside diameter of the male (ODM) at the large end and the small end, or the inside diameter of the female (IDF) at the large end and the small end, from peak of thread to peak of thread. Then measure the outside diameter (O.D.) of the unthreaded pipe.

Once the application and these two pieces of information have been determined, the thread can generally be determined. When in doubt, call Dixon at 800.355.1991.

**Straight Thread**




**Tapered Thread**



## Thread Types

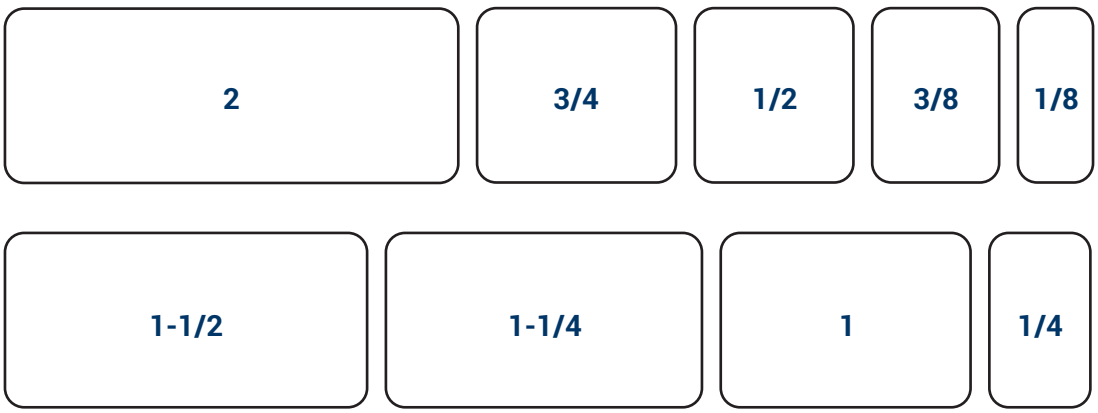
| Abbreviation | System Name | Compatibility | Seal Method |
|---|---|---|---|
| **BSPP** | **B**ritish **S**tandard **P**ipe **P**arallel | male BSPP with female BSPP | washer |
| | | female BSPP with male BSPP | washer |
| | | female BSPP with male BSPT | washer |
| **BSPTr** | **B**ritish **S**tandard **P**ipe **T**aper | male BSPTr with female BSPTr | thread |
| | | male BSPTr with female BSPP | washer |
| | | female BSPTr with male BSPTr<br>female BSPTr not compatible with male BSPP | thread |
| **CHT** | American Standard Fire Hose Thread (1" National Hose Thread is **C**hemical **H**ose **T**hread, also known as Booster Hose Thread) | 1" male NH (NST) with 1" female NH (NST) | washer |
| | | 1" female NH (NST) with 1" male NH (NST) | washer |
| | | 1" thread is used on both 3/4" hose & 1" hose | not compatible |
| **GHT** | **G**arden **H**ose **T**hread | male GHT with female GHT | washer |
| | | female GHT with male GHT | washer |
| | | thread is same for all size hose | not compatible |
| **IPS** | **I**ron **P**ipe **S**traight **T**hread | generic name for Straight Pipe Thread<br>see NPSH for compatibility | washer |
| **IPT** | **I**ron **P**ipe **T**hread | generic name for All Pipe Thread | more information required |
| **JIC** | **J**oint **I**ndustrial **C**ommittee | used with other mating JIC threads | mechanical |
| **NH or NST** | American Standard Fire Hose Coupling Thread (**N**ational **H**ose thread also known as **N**ational **S**tandard **T**hread) | male NH (NST) with female NH (NST) | washer |
| | | female NH (NST) with male NH (NST)<br>thread pitch and diameters of fire threads may vary according to local and municipal regulations<br>not compatible with other systems | washer |
| **NPT** | American Standard Taper Pipe Thread<br>(**N**ational **P**ipe **T**apered) | male NPT with female NPT | thread |
| | | male NPT with female NPTF | thread |
| | | male NPT with female NPSM | washer |
| | | male NPT with female NPSH | washer |
| | | female NPT with male NPT | thread |
| | | female NPT with male NPTF<br>female NPT not compatible with male NPSM or male NPSH | thread |
| **NPTF** | American Standard Taper Pipe Fuel Dryseal Thread (National Pipe Tapered Dryseal) | male NPTF with female NPTF | thread |
| | | male NPTF with female NPT | thread |
| | | male NPTF with female NPSM | washer |
| | | male NPTF with female NPSH | washer |
| | | female NPTF with male NPTF | thread |
| | | female NPTF with male NPT | thread |
| | | female NPTF with male NPSM or NPSH<br>NPTF with NPTF threads do not require sealant for the initial use, after that, sealant is required | not compatible |
| **NPSH** | American Standard Straight Pipe for Hose Couplings (**N**ational **P**ipe **S**traight **H**ose) | male NPSH with female NPSH | washer |
| | | female NPSH with male NPSH | washer |
| | | female NPSH with male NPT | washer |
| | | female NPSH with male NPTF | washer |
| | | female NPSH with male NPSM | washer |
| **NPSM** | American Standard Straight Mechanical Joints (**N**ational **P**ipe **S**traight **M**echanical) | male NPSM with female NPSM | Seal can be either mechanical or washer. Mating fittings must be of same type. |
| | | male NPSM with female NPSH | |
| | | female NPSM with male NPSM | |
| | | female NPSM with male NPT | |
| | | female NPSM with male NPTF | |
| **SIPT** | **S**traight **I**ron **P**ipe **T**hread | generic name for Straight Pipe Thread | washer |
| **TIPT** | **T**apered **I**ron **P**ipe **T**hread | generic name for Tapered Pipe Thread | thread |
| **NYFD** | **NYFD** Fire Department | straight thread used in New York City | washer |

## Thread Chart for Hydraulic Fittings

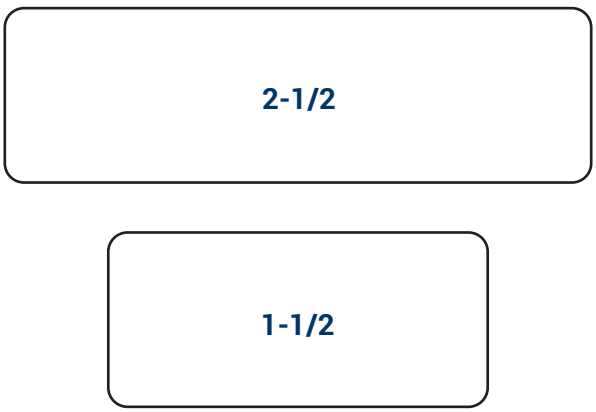
| Dash Size | 2 | 4 | 6 | 8 | 10 | 12 | 16 | 20 | 24 | 32 | 40 | 48 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JIC 37 degree Flare Thread | 5/16-24 | 7/16-20 | 9/16-18 | 3/4-16 | 7/8-14 | 1-1/16-12 | 1-5/16-12 | 1-5/8-12 | 1-7/8-12 | 2-1/2-12 | --- | --- |
| SAE O-ring Thread | --- | 7/16-20 | 9/16-18 | 3/4-16 | 7/8-14 | 1-1/16-12 | 1-5/16-12 | 1-5/8-12 | 1-7/8-12 | 2-1/2-12 | --- | --- |
| NPTF Pipe Thread | 1/8-27 | 1/4-18 | 3/8-18 | 1/2-14 | --- | 3/4-14 | 1-11 1/2 | 1-1/4-11 1/2 | 1-1/2-11 1/2 | 2-11 1/2 | --- | --- |
| NPSM Swivel Thread | --- | 1/4-18 | 3/8-18 | 1/2-14 | --- | 3/4-14 | 1-11 1/2 | 1-1/4-11 1/2 | 1-1/2-11 1/2 | 2-11 1/2 | --- | --- |
| Flat Face Thread | --- | 9/16-18 | 11/16-16 | 13/16-16 | 1-14 | 1-3/16-12 | 1-7/16-12 | --- | --- | --- | --- | --- |
| Code 61 Flange Head O.D. | --- | --- | --- | 1.19 | --- | 1.50 | 1.75 | 2.00 | 2.38 | 2.81 | 3.31 | 4.0 |
| Code 62 Flange Head O.D. | --- | --- | --- | 1.25 | --- | 1.62 | 1.88 | 2.12 | 2.50 | 3.12 | --- | --- |
| British Thread BSPP/BSPT | --- | 1/4-19 | 3/8-19 | 1/2-14 | _ | 3/4-14 | 1-11 | --- | --- | --- | --- | --- |

## Fittings Size Chart

### Male NPT Thread Sizes




### Male NST Thread Sizes



## Thread Dimensions

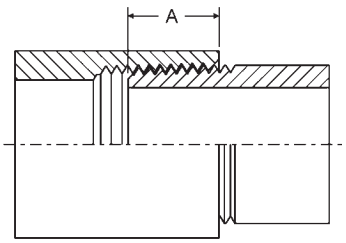
### Nominal Dimensions of Standard Threads

- ODM = Outside diameter of the male
- IDF = Inside diameter of the female
- TPI = Threads per inch
- GHT (3/4") -- 1.0625 ODM, 11-1/2 TPI
- Female NPT (tapered pipe) thread is not available on hose swivel nuts

| Size | Pipe O.D. | Tapered Threads | | Straight Threads | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NPT | BSPTr | NPSH | | | NPSM | | | NST (NH) | | | BSPP | | |
| | | TPI | TPI | TPI | ODM (max) | IDF (min) | TPI | ODM (max) | IDF (min) | TPI | ODM (max) | IDF (min) | TPI | ODM (max) | IDF (min) |
| 1/8" | .405 | 27.0 | 28 | | | | 27.0 | 0.397 | 0.358 | | | | | 0.383 | 0.337 |
| 1/4" | .540 | 18.0 | 19 | | | | 18.0 | 0.526 | 0.468 | | | | | 0.516 | 0.450 |
| 3/8" | .675 | 18.0 | 19 | | | | 18.0 | 0.662 | 0.603 | | | | | 0.656 | 0.588 |
| 1/2" | .840 | 14.0 | 14 | 14.0 | 0.8248 | 0.7395 | 14.0 | 0.823 | 0.747 | | | | | 0.825 | 0.733 |
| 3/4" | 1.050 | 14.0 | 14 | 14.0 | 1.0353 | 0.9500 | 14.0 | 1.034 | 0.958 | | | | | 1.041 | 0.950 |
| 1" | 1.315 | 11.5 | 11 | 11.5 | 1.2951 | 1.1921 | 11.5 | 1.293 | 1.201 | 8.0 | 1.375 | 1.2246 | 11 | 1.309 | 1.193 |
| 1-1/4" | 1.660 | 11.5 | 11 | 11.5 | 1.6399 | 1.5369 | 11.5 | 1.638 | 1.546 | | | | 11 | 1.650 | 1.534 |
| 1-1/2" | 1.900 | 11.5 | 11 | 11.5 | 1.8788 | 1.7758 | 11.5 | 1.877 | 1.785 | 9.0 | 1.990 | 1.8577 | 11 | 1.882 | 1.766 |
| 2" | 2.375 | 11.5 | 11 | 11.5 | 2.3528 | 2.2498 | 11.5 | 2.351 | 2.259 | | | | 11 | 2.347 | 2.231 |
| 2-1/2" | 2.875 | 8.0 | 11 | 8.0 | 2.8434 | 2.6930 | 8.0 | 2.841 | 2.708 | 7.5 | 3.068 | 2.9104 | 11 | 2.960 | 2.844 |
| 3" | 3.500 | 8.0 | 11 | | | | 8.0 | 3.467 | 3.334 | 6.0 | 3.623 | 3.5306 | 11 | 3.460 | 3.344 |
| 4" | 4.500 | 8.0 | 11 | | | | 8.0 | 4.466 | 4.333 | 4.0 | 5.010 | 4.7111 | 11 | 4.450 | 4.334 |
| 4-1/2" | | | | | | | | | | 4.0 | 5.760 | 5.4611 | | | |
| 5" | 5.563 | 8.0 | 11 | | | | 8.0 | 5.528 | 5.395 | 4.0 | 6.260 | 5.9602 | 11 | 5.450 | 5.359 |
| 6" | 6.625 | 8.0 | 11 | | | | 8.0 | 6.585 | 6.452 | 4.0 | 7.025 | 6.7252 | 11 | 6.450 | 6.359 |
| 8" | 8.625 | 8.0 | | | | | | | | | | | | | |
| 10" | 10.750 | 8.0 | | | | | | | | | | | | | |
| 12" | 12.750 | 8.0 | | | | | | | | | | | | | |

## Normal Engagement Length of NPT Thread in Inches (A)

- Dimensions given do not allow for variations in tapping or threading.




| Thread Size | Dimension A |
|---|---|
| 1/8" | 1/4" |
| 1/4" | 3/8" |
| 3/8" | 3/8" |
| 1/2" | 1/2" |
| 3/4" | 9/16" |
| 1" | 11/16" |
| 1-1/4" | 11/16" |
| 1-1/2" | 11/16" |
| 2" | 3/4" |
| 2-1/2" | 15/16" |
| 3" | 1" |
| 4" | 1-1/8" |
| 5" | 1-1/4" |
| 6" | 1-5/16" |
| 8" | 1-7/16" |
| 10" | 1-5/8" |
| 12" | 1-3/4" |

# Thread Sealing Tips

## Thread Sealing Tips

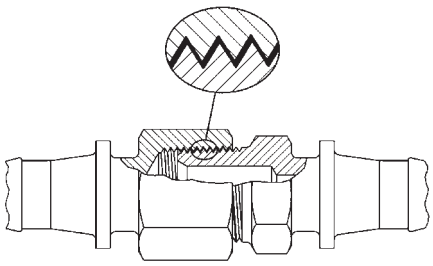
Sealing NPT threads can be an exasperating experience if certain techniques are not followed. The following tips will help alleviate many common problems in thread sealing:

1. Always use some type of sealant (tape or paste) and apply sealant to male thread only. If using a hydraulic sealant, allow sufficient curing time before system is pressurized.
2. When using tape sealant, wrap the threads in a clock-wise motion starting at the first thread and, as layers are applied, work towards the imperfect (vanishing) thread. If the system that the connection being made to cannot tolerate foreign matter (i.e. air systems), leave the first thread exposed and apply the tape sealant as outlined above.
3. When using paste sealant, apply to threads with a brush, using the brush to work the sealant into the threads. Apply enough sealant to fill in all the threads all the way around.
4. When connecting one stainless steel part to another stainless steel part that will require future disassembly, use a thread sealant that is designed for stainless steel (see page 1056). This stainless steel thread sealant is also useful when connecting aluminum to aluminum that needs to be disconnected in the future. These two materials gall easily, and if the correct sealant is not used, it can be next to impossible to disassemble.
5. When connecting parts made of dissimilar metals (i.e. steel and aluminum), standard tape or paste sealant performs satisfactory.
6. For sizes 2" and below, tape or paste performs satisfactory. When using thread tape, four wraps (covering all necessary threads) is usually sufficient.
7. For sizes 2-1/2" and above, thread paste is recommended. If thread tape is used, eight wraps (covering all necessary threads) is usually sufficient. Apply more wraps if necessary.
8. For stubborn to seal threads, apply a normal coating of thread paste followed by a normal layer of thread tape.
9. For extremely stubborn to seal threads, apply a normal coating of thread paste followed by a single layer of gauze bandage followed by a normal layer of thread tape.

**Caution!**

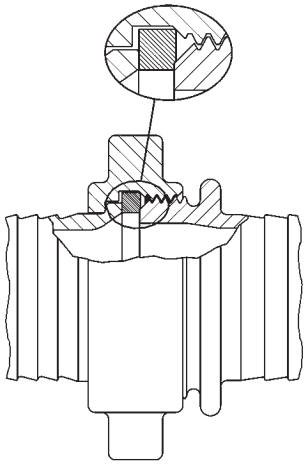
When this procedure is done, the connection becomes permanent. Extreme measures will be necessary to disconnect these components. *All other measures to seal the threads should be explored prior to use of this technique.*

10. Over-tightening threads can be just as detrimental as insufficient tightening. For sizes 2" and below, hand tighten the components and, with a wrench, tighten 3 full turns. For sizes 2-1/2" and above, hand tighten the components and, with a wrench, tighten 2 full turns.



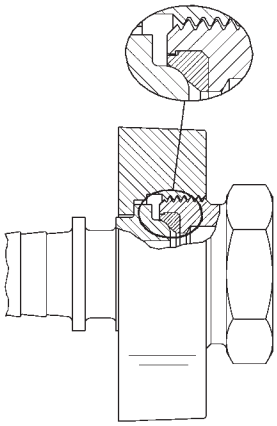
## Thread Seal Type

- A seal is obtained by applying a sealant to the male thread before engaging.
- The sealant is used to prevent spiral leakage.
- Thread tape or paste is the preferred sealant in this type of application.
- Please refer to page 1055 for thread tape options.



## Washer Seal Type

- A seal is obtained when the male thread is tightened down onto the washer of the female assembly.
- The washer should be inspected regularly and replaced as needed to prevent leakage.
- Please refer to pages 158, 1037 for replacement washers.

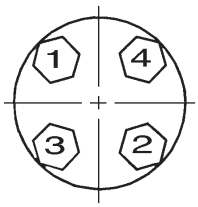


## Mechanical Seal Type

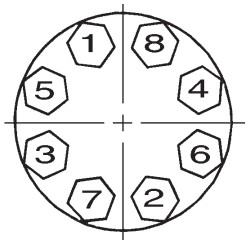
- A seal is obtained through metal to metal contact or metal to seal contact, i.e. JIC couplings (pages 544 - 549) have a metal to metal seal. Boss® Ground Joint couplings (pages 153 - 155) have a metal to seal contact (shown above).

## Flange Bolt Tightening Sequence

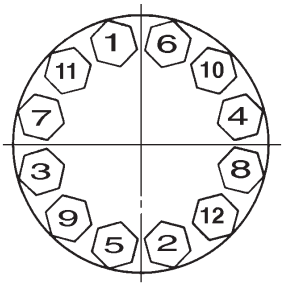
**(Use appropriate gaskets and bolts)**




**4 Bolt**




**8 Bolt**

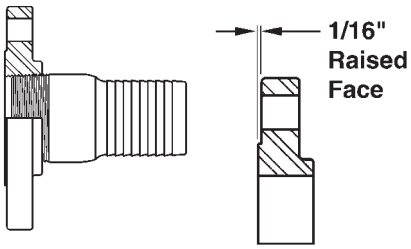



**12 Bolt**

See page 1133 for drilling dimensions

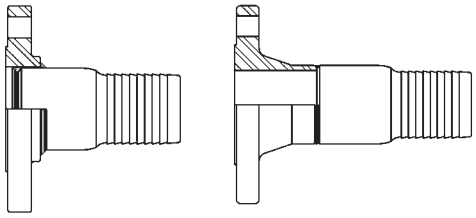
## Flange Diagrams

### Threaded Applications




Threaded flange with raised face

### Welded Applications

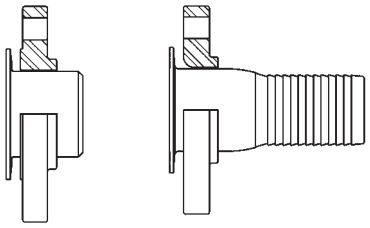


Slip-on flange with raised face

Weld neck flange with raised face

### Floating Applications

*(flange free to swivel)*



Slip-on flange with raised face

Lap-joint flange

### Dimensions of 150 LB. ASA Steel Flanges

| Nominal Pipe Size | Flange O.D. | Thickness[1] | O.D. of Raised Face | Diameter of Bolt Circle | Number of Bolts | Diameter of Bolt Holes | Diameter of Bolts |
|---|---|---|---|---|---|---|---|
| 1" | 4-1/4" | 9/16" | 2" | 3-1/8" | 4 | 5/8" | 1/2" |
| 1-1/4" | 4.62" | 5/8" | 2-1/2" | 3-1/2" | 4 | 5/8" | 1/2" |
| 1-1/2" | 5" | 11/16" | 2-7/8" | 3-7/8" | 4 | 5/8" | 1/2" |
| 2" | 6" | 3/4" | 3-5/8" | 4-3/4" | 4 | 3/4" | 5/8" |
| 2-1/2" | 7" | 7/8" | 4-1/8" | 5-1/2" | 4 | 3/4" | 5/8" |
| 3" | 7-1/2" | 15/16" | 5" | 6" | 4 | 3/4" | 5/8" |
| 4" | 9" | 15/16" | 6-3/16" | 7-1/2" | 8 | 3/4" | 5/8" |
| 5" | 10" | 15/16" | 7-5/16" | 8-1/2" | 8 | 7/8" | 3/4" |
| 6" | 11" | 1" | 8-1/2" | 9-1/2" | 8 | 7/8" | 3/4" |
| 8" | 13-1/2" | 1-1/8" | 10-5/8" | 11-3/4" | 8 | 7/8" | 3/4" |
| 10" | 16" | 1-3/16" | 12-3/4" | 14-1/4" | 12 | 1" | 7/8" |
| 12" | 19" | 1 1/4" | 15" | 17" | 12 | 1" | 7/8" |

[1] 1/16" raised face is included in the thickness

### Dimensions of Tank Truck Flanges (TTMA Drilling)

| Nominal Pipe Size | Flange O.D. | Thickness[1] | Diameter of Bolt Circle | Number of Bolts | Diameter of Bolt Holes | Diameter of Bolts |
|---|---|---|---|---|---|---|
| 3" | 5-5/8" | 3/8" | 4-7/8" | 8 | 7/16" | 3/8" |
| 4" | 6-5/8" | 3/8" | 5-7/8" | 8 | 7/16" | 3/8" |
| 6" | 8-7/8" | 3/8" | 8-1/8" | 12 | 7/16" | 3/8" |

[1] Listed thickness is for aluminum flanges

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You can also email us at GRP@goodyearrubberproducts.com

# ANSI Flange Dimensions

## 150 lb. Standard

| Nominal Pipe Size | Outside Diameter Flange | Flange Thickness | Drill Template | | |
|---|---|---|---|---|---|
| | | | Number Holes | Diameter Bolts | Bolt Circle |
| 1/2" | 3-1/2" | 7/16" | 4 | 1/2" | 2-3/8" |
| 3/4" | 3-7/8" | 1/2" | 4 | 1/2" | 2-3/4" |
| 1" | 4-1/4" | 9/16" | 4 | 1/2" | 3-1/8" |
| 1-1/4" | 4-5/8" | 5/8" | 4 | 1/2" | 3-1/2" |
| 1-1/2" | 5" | 11/16" | 4 | 1/2" | 3-7/8" |
| 2" | 6" | 3/4" | 4 | 5/8" | 4-3/4" |
| 2-1/2" | 7" | 7/8" | 4 | 5/8" | 5-1/2" |
| 3" | 7-1/2" | 15/16" | 4 | 5/8" | 6" |
| 3-1/2" | 8-1/2" | 15/16" | 8 | 5/8" | 7" |
| 4" | 9" | 15/16" | 8 | 5/8" | 7-1/2" |
| 5" | 10" | 15/16" | 8 | 3/4" | 8-1/2" |
| 6" | 11" | 1" | 8 | 3/4" | 9-1/2" |
| 8" | 13-1/2" | 1-1/8" | 8 | 3/4" | 11-3/4" |
| 10" | 16" | 1-3/16" | 12 | 3/4" | 14-1/4" |
| 12" | 19" | 1-1/4" | 12 | 3/4" | 17" |

## 300 lb. Standard

| Nominal Pipe Size | Outside Diameter Flange | Flange Thickness | Drill Template | | |
|---|---|---|---|---|---|
| | | | Number Holes | Diameter Bolts | Bolt Circle |
| 1/2" | 3-3/4" | 9/16" | 4 | 1/2" | 2-5/8" |
| 3/4" | 4-5/8" | 5/8" | 4 | 5/8" | 3-1/4" |
| 1" | 4-7/8" | 11/16" | 4 | 5/8" | 3-1/2" |
| 1-1/4" | 5-1/4" | 3/4" | 4 | 5/8" | 3-7/8" |
| 1-1/2" | 6-1/8" | 13/16" | 4 | 3/4" | 4-1/2" |
| 2" | 6-1/2" | 7/8" | 8 | 5/8" | 5" |
| 2-1/2" | 7-1/2" | 1" | 8 | 3/4" | 5-7/8" |
| 3" | 8-1/4" | 1-1/8" | 8 | 3/4" | 6-5/8" |
| 3-1/2" | 9" | 1-3/16" | 8 | 3/4" | 7-1/4" |
| 4" | 10" | 1-1/4" | 8 | 3/4" | 7-7/8" |
| 5" | 11" | 1-3/8" | 8 | 3/4" | 9-1/4" |
| 6" | 12-1/2" | 1-7/16" | 12 | 3/4" | 10-5/8" |
| 8" | 15" | 1-5/8" | 12 | 7/8" | 13" |
| 10" | 17-1/2" | 1-7/8" | 16 | 1" | 15-1/4" |
| 12" | 20-1/2" | 2" | 16 | 1-1/8" | 17-3/4" |

## 600 lb. Standard

| Nominal Pipe Size | Outside Diameter Flange | Flange Thickness | Drill Template | | |
|---|---|---|---|---|---|
| | | | Number Holes | Diameter Bolts | Bolt Circle |
| 1/2" | 3-3/4" | 9/16" | 4 | 5/8" | 2-5/8" |
| 3/4" | 4-5/8" | 5/8" | 4 | 3/4" | 3-1/4" |
| 1" | 4-7/8" | 11/16" | 4 | 3/4" | 3-1/2" |
| 1-1/4" | 5-1/4" | 13/16" | 4 | 3/4" | 3-7/8" |
| 1-1/2" | 6-1/8" | 7/8" | 4 | 7/8" | 4-1/2" |
| 2" | 6-1/2" | 1" | 8 | 3/4" | 5" |
| 2-1/2" | 7-1/2" | 1-1/8" | 8 | 7/8" | 5-7/8" |
| 3" | 8-1/4" | 1-1/4" | 8 | 7/8" | 6-5/8" |
| 3-1/2" | 9" | 1-3/8" | 8 | 1" | 7-1/4" |
| 4" | 10-7/5" | 1-1/2" | 8 | 1" | 8-1/2" |
| 5" | 13" | 1-3/4" | 8 | 1-1/8" | 10-1/2" |
| 6" | 14" | 1-7/8" | 12 | 1-1/8" | 11-1/2" |
| 8" | 16-1/2" | 2-3/16" | 12 | 1-1/4" | 13-3/4" |
| 10" | 20" | 2-1/2" | 16 | 1-3/8" | 17" |
| 12" | 22" | 2-5/8" | 20 | 1-3/8" | 19-1/4" |

## 900 lb. Standard

| Nominal Pipe Size | Outside Diameter Flange | Flange Thickness | Drill Template | | |
|---|---|---|---|---|---|
| | | | Number Holes | Diameter Bolts | Bolt Circle |
| 1/2" | 4-3/4" | 7/8" | 4 | 7/8" | 3-1/4" |
| 3/4" | 5-1/8" | 1" | 4 | 7/8" | 3-1/2" |
| 1" | 5-7/8" | 1-1/8" | 4 | 1" | 4" |
| 1-1/4" | 6-1/4" | 1-1/8" | 4 | 1" | 4-3/8" |
| 1-1/2" | 7" | 1-1/4" | 4 | 1-1/8" | 4-7/8" |
| 2" | 8-1/2" | 1-1/2" | 8 | 1" | 6-1/2" |
| 2-1/2" | 9-5/8" | 1-5/8" | 8 | 1-1/8" | 7-1/2" |
| 3" | 9-1/2" | 1-1/2" | 8 | 1" | 7-1/2" |
| 3-1/2" | 11-1/2" | 1-3/4" | 8 | 1-1/4" | 9-1/4" |
| 4" | 13-3/4" | 2" | 8 | 1-3/8" | 11" |
| 6" | 15" | 2-3/16" | 12 | 1-1/4" | 12-1/2" |
| 8" | 18-1/2" | 2-1/2" | 12 | 1-1/2" | 15-1/2" |
| 10" | 21-1/2" | 2-3/4" | 16 | 1-1/2" | 18-1/2" |
| 12" | 24" | 3-1/8" | 20 | 1-1/2" | 21" |

# Pipe Dimensions

## Dimensions of Seamless and Welded Steel Pipe
## ASA-B36.10 and B36.19

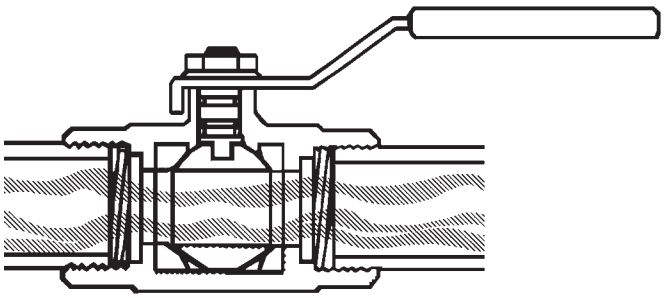
| Nominal Pipe Size | O.D. (inches) | Pipe Schedule Wall Thickness | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10 | 20 | 30 | Stand. | 40 | 60 | Extra Strong | 80 | 100 | 120 | 140 | 160 | XXX Strong |
| 1/8" | 0.405 | 0.049 | --- | --- | 0.068 | 0.068 | --- | 0.095 | 0.095 | --- | --- | --- | --- | --- |
| 1/4" | 0.540 | 0.065 | --- | --- | 0.088 | 0.088 | --- | 0.119 | 0.119 | --- | --- | --- | --- | --- |
| 3/8" | 0.675 | 0.065 | --- | --- | 0.091 | 0.091 | --- | 0.126 | 0.126 | --- | --- | --- | --- | --- |
| 1/2" | 0.840 | 0.083 | --- | --- | 0.109 | 0.109 | --- | 0.147 | 0.147 | --- | --- | --- | 0.188 | 0.294 |
| 3/4" | 1.050 | 0.083 | --- | --- | 0.113 | 0.113 | --- | 0.154 | 0.154 | --- | --- | --- | 0.219 | 0.308 |
| 1" | 1.315 | 0.109 | --- | --- | 0.133 | 0.133 | --- | 0.179 | 0.179 | --- | --- | --- | 0.250 | 0.358 |
| 1-1/4" | 1.660 | 0.109 | --- | --- | 0.140 | 0.140 | --- | 0.191 | 0.191 | --- | --- | --- | 0.250 | 0.382 |
| 1-1/2" | 1.900 | 0.109 | --- | --- | 0.145 | 0.145 | --- | 0.200 | 0.200 | --- | --- | --- | 0.281 | 0.400 |
| 2" | 2.375 | 0.109 | --- | --- | 0.154 | 0.154 | --- | 0.218 | 0.218 | --- | --- | --- | 0.344 | 0.436 |
| 2-1/2" | 2.875 | 0.120 | --- | --- | 0.203 | 0.203 | --- | 0.276 | 0.276 | --- | --- | --- | 0.375 | 0.552 |
| 3" | 3.500 | 0.120 | --- | --- | 0.216 | 0.216 | --- | 0.300 | 0.300 | --- | --- | --- | 0.438 | 0.600 |
| 3-1/2" | 4.000 | 0.120 | --- | --- | 0.226 | 0.226 | --- | 0.318 | 0.318 | --- | --- | --- | --- | --- |
| 4" | 4.500 | 0.120 | --- | --- | 0.237 | 0.237 | --- | 0.337 | 0.337 | --- | 0.438 | --- | 0.531 | 0.674 |
| 5" | 5.563 | 0.134 | --- | --- | 0.258 | 0.258 | --- | 0.375 | 0.375 | --- | 0.500 | --- | 0.625 | 0.750 |
| 6" | 6.625 | 0.134 | --- | --- | 0.280 | 0.280 | --- | 0.432 | 0.432 | --- | 0.562 | --- | 0.719 | 0.864 |
| 8" | 8.625 | 0.148 | 0.250 | 0.277 | 0.322 | 0.322 | 0.406 | 0.500 | 0.500 | 0.594 | 0.719 | 0.812 | 0.906 | 0.873 |
| 10" | 10.750 | 0.165 | 0.250 | 0.307 | 0.365 | 0.365 | 0.500 | 0.500 | 0.594 | 0.719 | 0.844 | 1.000 | 1.125 | 1.000 |
| 12" | 12.750 | 0.180 | 0.250 | 0.330 | 0.375 | 0.406 | 0.562 | 0.500 | 0.688 | 0.844 | 1.000 | 1.125 | 1.312 | 1.000 |

## Definitive Cross-Reference from NPS to DN Specification Sizes

| Nominal Pipe Size | DN | O.D. (inches) | Pipe Schedule Wall Thickness | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5S | 5 | 10S | 10 | 20 | 30 | 40S | 40 | 60 | 80S | 80 | 100 | 120 | 160 |
| 1/8" | 6 | 0.405 | --- | 0.035 | --- | 0.049 | --- | 0.057 | --- | 0.068 | --- | --- | 0.095 | --- | --- | --- |
| 1/4" | 8 | 0.540 | --- | 0.049 | --- | 0.065 | --- | 0.073 | --- | 0.088 | --- | --- | 0.119 | --- | --- | --- |
| 1/2" | 15 | 0.840 | --- | 0.065 | --- | 0.083 | --- | 0.095 | --- | 0.109 | --- | --- | 0.147 | --- | 0.170 | 0.188 |
| 3/4" | 20 | 1.050 | --- | 0.065 | --- | 0.083 | --- | 0.095 | --- | 0.113 | --- | --- | 0.154 | --- | 0.170 | 0.219 |
| 1" | 25 | 1.315 | --- | 0.065 | --- | 0.109 | --- | 0.114 | --- | 0.133 | --- | --- | 0.179 | --- | 0.200 | 0.250 |
| 1-1/4" | 32 | 1.660 | --- | 0.065 | --- | 0.109 | --- | 0.117 | --- | 0.140 | --- | --- | 0.191 | --- | 0.215 | 0.250 |
| 1-1/2" | 40 | 1.900 | --- | 0.065 | --- | 0.109 | --- | 0.125 | --- | 0.145 | --- | --- | 0.200 | --- | 0.225 | 0.281 |
| 2" | 50 | 2.375 | --- | 0.065 | --- | 0.109 | --- | --- | --- | 0.154 | --- | --- | 0.218 | --- | 0.250 | 0.344 |
| 2-1/2" | 65 | 2.875 | --- | 0.083 | --- | 0.120 | --- | --- | --- | 0.203 | --- | --- | 0.276 | --- | 0.300 | 0.375 |
| 3" | 80 | 3.500 | --- | 0.083 | --- | 0.120 | --- | --- | --- | 0.216 | --- | --- | 0.330 | --- | 0.350 | 0.438 |
| 4" | 100 | 4.500 | --- | 0.083 | --- | 0.120 | --- | --- | --- | 0.237 | 0.281 | --- | 0.377 | --- | 0.437 | 0.531 |
| 5" | 125 | 5.563 | --- | 0.109 | --- | 0.134 | --- | --- | --- | 0.258 | --- | --- | 0.375 | --- | 0.500 | 0.625 |
| 6" | 150 | 6.625 | --- | 0.109 | --- | 0.134 | --- | --- | --- | 0.280 | --- | --- | 0.432 | --- | 0.562 | 0.719 |
| 8" | 200 | 8.625 | --- | 0.109 | --- | 0.148 | 0.250 | 0.277 | --- | 0.322 | 0.406 | --- | 0.500 | 0.593 | 0.718 | 0.906 |
| 10" | 250 | 10.750 | 0.134 | 0.134 | 0.165 | 0.165 | 0.250 | 0.307 | 0.365 | 0.365 | 0.500 | 0.500 | 0.593 | 0.718 | 0.843 | --- |
| 12" | 300 | 12.750 | 0.156 | 0.165 | 0.180 | 0.180 | 0.250 | 0.330 | 0.375 | 0.406 | 0.500 | 0.500 | 0.687 | 0.843 | 1.000 | --- |

# Valve Selection Guide

## Ball Valve

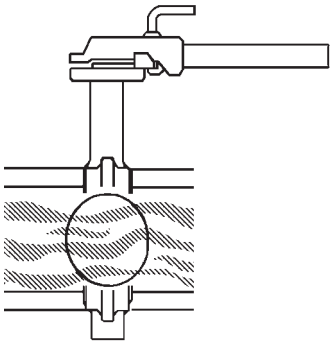




- Can be used for on and off service or throttling
- When positive shut-off is necessary
- Where a low valve profile is necessary
- Only 90° rotation from open to fully closed (quick opening)
- Handle position is a quick indication of whether valve is open or closed.
- Full port ball valves do not resist flow

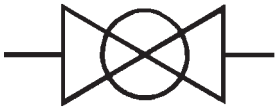
## Butterfly Valve

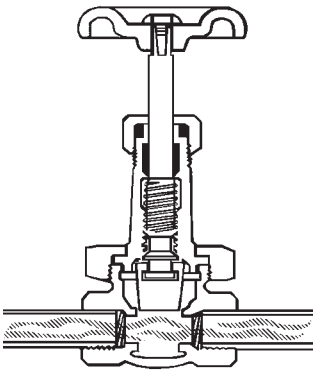




- Where positive shut-off is necessary
- Primarily for fully open or fully closed applications
- May be used for throttling
- Only 90° rotation from open to fully closed
- Lightweight
- Easy to install
- Less costly than an iron body gate valve

## Gate Valve

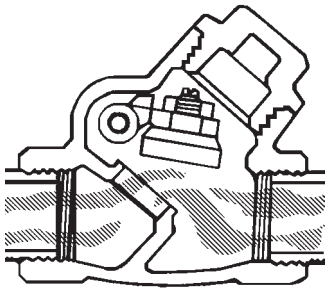




- For fully open or fully closed service - not for throttling
- For minimum line pressure drop
- For minimum fluid entrapment in the line
- For relatively infrequent operation

## Check Valve

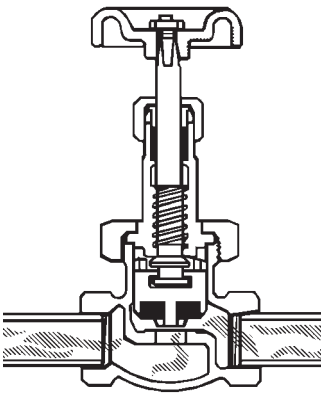




- To control the direction of flow and for quick, automatic reactions to flow change. Swing check valves are used when a minimum resistance to flow is required.
- Swing check valves are recommended for use in conjunction with gate valves. They should not be used in a rapid recycling system such as reciprocating pumps or air compressor service where they could cause chatter and

## Globe Valve





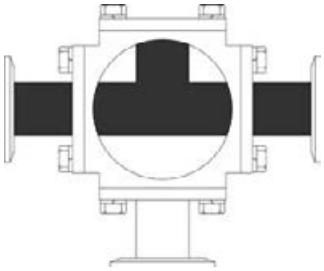
- For regulation (throttling) of flow
- For frequent operation; short stem travel reduces operator's time
- Where some line resistance is acceptable

## 3-Way Ball Valve Flow Options

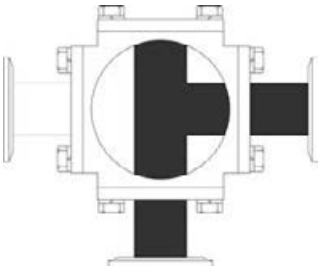
### 'T' Pattern, Side Entry

Top view

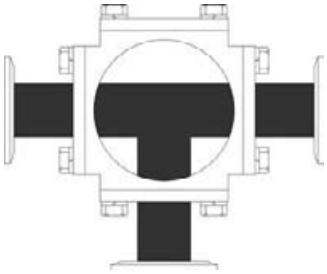
position A



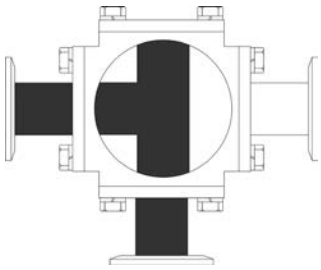
position B



position C



position D

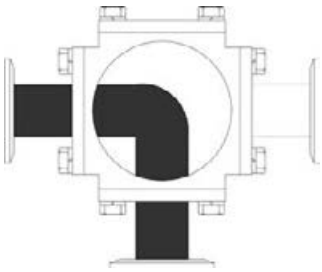


| Number | Rotation | Flow Plan Options |
|---|---|---|
| 1 | 90° | A, B |
| 2 | 90° | B, C |
| 3 | 90° | C, D |
| 4 | 90° | A, D |
| 5 | 180° | A, B, C |
| 6 | 180° | B, C, D |
| 7 | 180° | A, C, D |
| 8 | 180° | A, B, D |

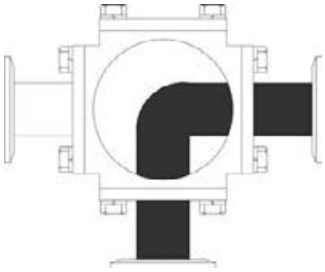
### 'L' Pattern, Side Entry

Top view

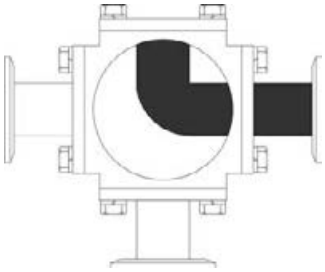
position A



position B



position C

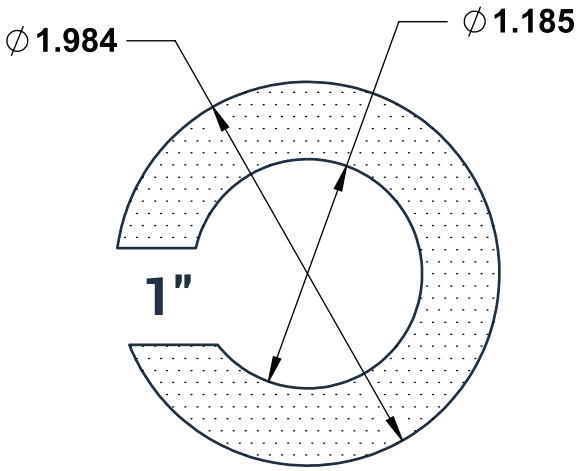


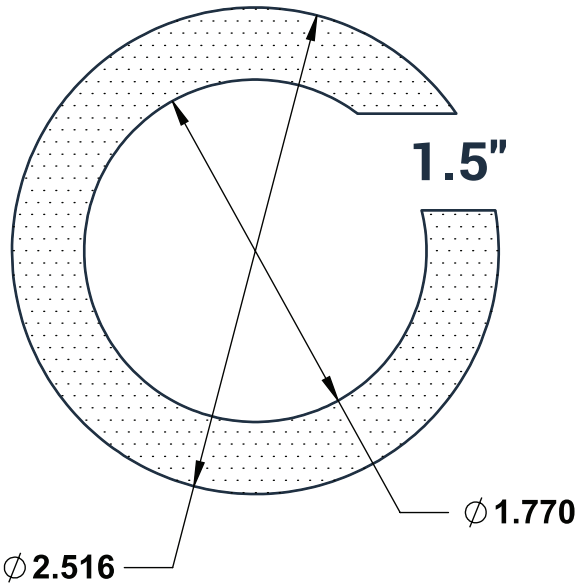
| Number | Rotation | Flow Plan Options |
|---|---|---|
| 1 | 90° | A, B |
| 2 | 180° | A, B, C |

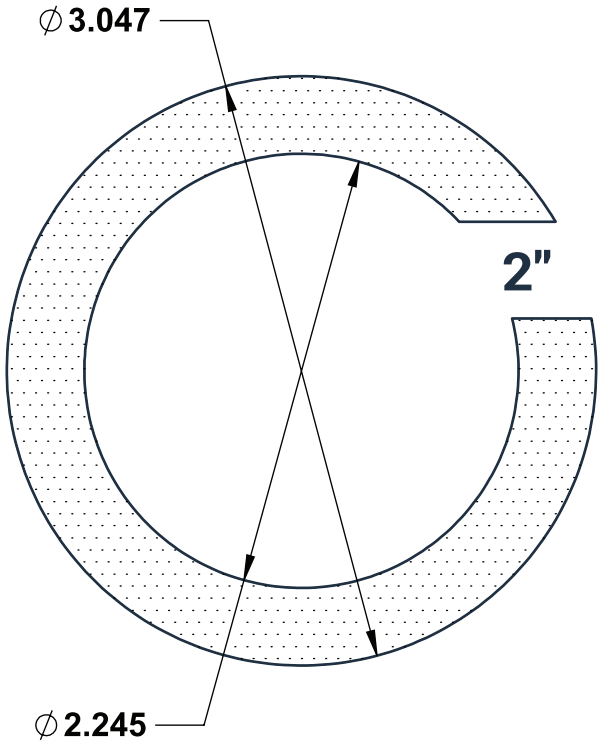
## BPE Dimensions and Tolerances (DT) Table Call Out

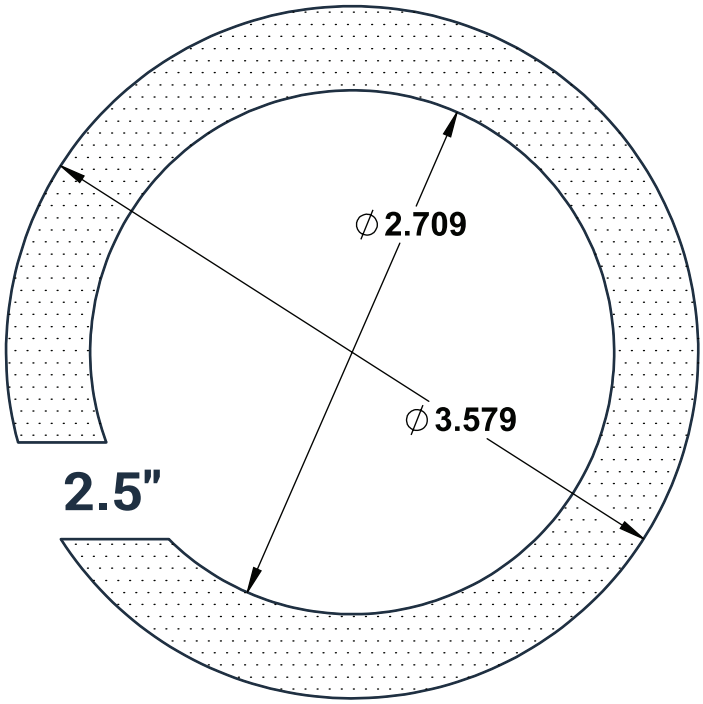
| Part Description | 2016 DT ASME-BPE 2016 | 2019 DT ASME-BPE 2019 |
|---|---|---|
| T2S - 90° elbow | DT-4.1.1-1 | DT-4.1.1-1 |
| T2CM - 90° elbow, clamp one end | DT-4.1.1-2 | DT-4.1.1-2 |
| T2CMP - 90° elbow, clamped | DT-4.1.1-3 | DT-4.1.1-3 |
| T2KS - 45° elbow | DT-4.1.1-4 | DT-4.1.1-4 |
| T2KM - 45° elbow, clamp one end | DT-4.1.1-5 | DT-4.1.1-5 |
| T2KMP - 45° elbow, clamped | DT-4.1.1-6 | DT-4.1.1-6 |
| T7WWW - equal tee | DT-4.1.2-1 | DT-4.1.2-1 |
| T7WWMS - short outlet tee | DT-4.1.2-2 | DT-4.1.2-2 |
| T7MP - equal tee, clamped | DT-4.1.2-4 | DT-4.1.2-4 |
| T7MPS - short outlet tee, clamped | DT-4.1.2-5 | DT-4.1.2-5 |
| T7RWWW - reducing tee | DT-4.1.2-6 | DT-4.1.2-6 |
| T7RWWMS - short outlet reducing tee | DT-4.1.2-7 | DT-4.1.2-7 |
| T7RMP - reducing tee, clamped | DT-4.1.2-8 | DT-4.1.2-8 |
| T7RMPS - short outlet reducing tee, clamped | DT-4.1.2-9 | DT-4.1.2-9 |
| T7IWWMS - instrument tee | DT-4.1.2-10 | DT-4.1.2-10 |
| T7IMPS - instrument tee, clamped | DT-4.1.2-11 | DT-4.1.2-11 |
| T31W - long concentric reducer | DT-4.1.3-1 | N/A |
| T32W - long eccentric reducer | DT-4.1.3-1 | N/A |
| 2211C - short concentric reducer | DT-4.1.3-1 | DT-4.1.3-1 |
| 2211E - short eccentric reducer | DT-4.1.3-1 | DT-4.1.3-1 |
| T31M - long concentric reducer, clamp big end | DT-4.1.3-2 | N/A |
| T32M - long eccentric reducer, clamp big end | DT-4.1.3-2 | N/A |
| 2226C - short concentric reducer, clamp big end | DT-4.1.3-2 | DT-4.1.3-2 |
| 2226E - short eccentric reducer, clamp big end | DT-4.1.3-2 | DT-4.1.3-2 |
| T3114MP - long concentric reducer, clamped | DT-4.1.3-3 | N/A |
| T3214MP - long eccentric reducer, clamped | DT-4.1.3-3 | N/A |
| 2221C - short concentric reducer, clamped | DT-4.1.3-3 | DT-4.1.3-3 |
| 2221E - short eccentric reducer, clamped | DT-4.1.3-3 | DT-4.1.3-3 |
| TL14AM7 - long weld clamp ferrule | DT-4.1.4-1 | DT-4.1.4-1 |
| T14WMP - short weld clamp ferrule | DT-4.1.4-1 | DT-4.1.4-1 |
| T16W - weld cap | DT-4.1.5-1 | DT-4.1.5-1 |
| T16AMP - end cap, clamped | DT-4.1.5-2 | DT-4.1.5-2 |

## Pipe Gasket Sizing Guide

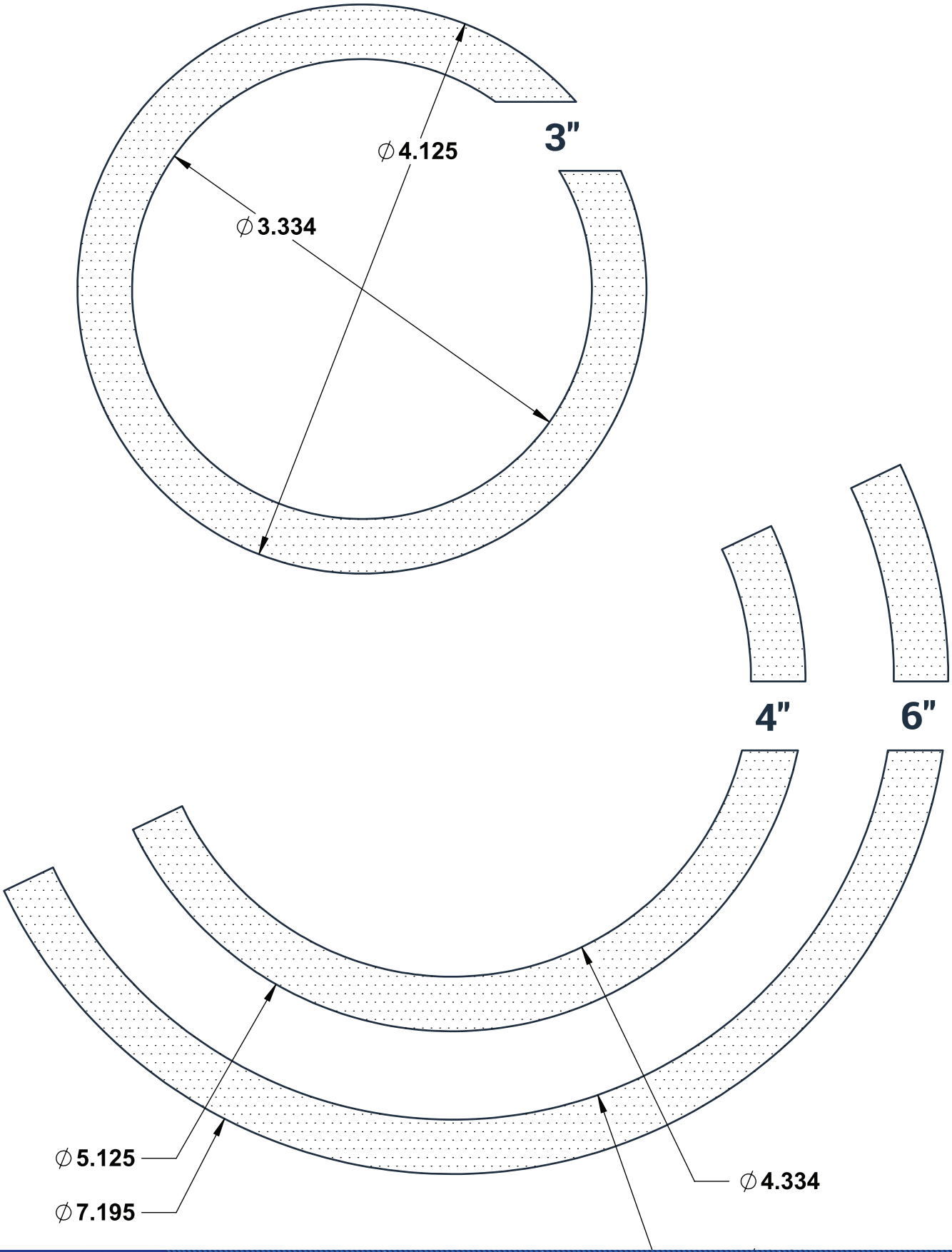


## Pipe Gasket Sizing Guide



# Particulate Reference Chart

## 316 Square Mesh Wire Cloth Gasket Information

| Mesh | Micron Equivalent | Opening Width | Wire Diameter | Openings per Square Inch |
|---|---|---|---|---|
| 4 | 5400 | .215 | .035 | 16 |
| 6 | 3221 | .132 | .035 | 36 |
| 8 | 2441 | .097 | .028 | 64 |
| 9 | 2089 | .083 | .025 | 81 |
| 10 | 1887 | .075 [1] | .023 | 100 |
| 12 | 1510 | .050 | .023 | 144 |
| 14 | 1283 | .051 [2] | .020 | 196 |
| 16 | 1082 | .0455 | .016 | 256 |
| 20 | 855 | .034 | .016 | 400 |
| 30 | 427 | .017 | .016 | 900 |
| 35 | 422 | .0168 | .0118 | 1275 |
| 40 | 377 | .015 | .010 | 1600 |
| 50 | 276 | .011 | .009 | 2500 |
| 60 | 226 | .009 [3] | .0075 | 3600 |
| 80 | 176 | .007 [3] | .0055 | 6400 |
| 100 | 151 | .006 [3] | .0045 | 10,000 |
| 120 | 120 | .0048 [3] | .0035 | 14,400 |
| 150 | 103 | .0041 | .0026 | 22,500 |
| 200 | 73 | .0029 | .0021 | 40,000 |



[1] Standard size for clamp style gaskets
[2] Standard size for bevel seat size gaskets
[3] Available in only 1", 1-1/2" and 2" sizes
NOTE: Special order parts, minimum order quantities required

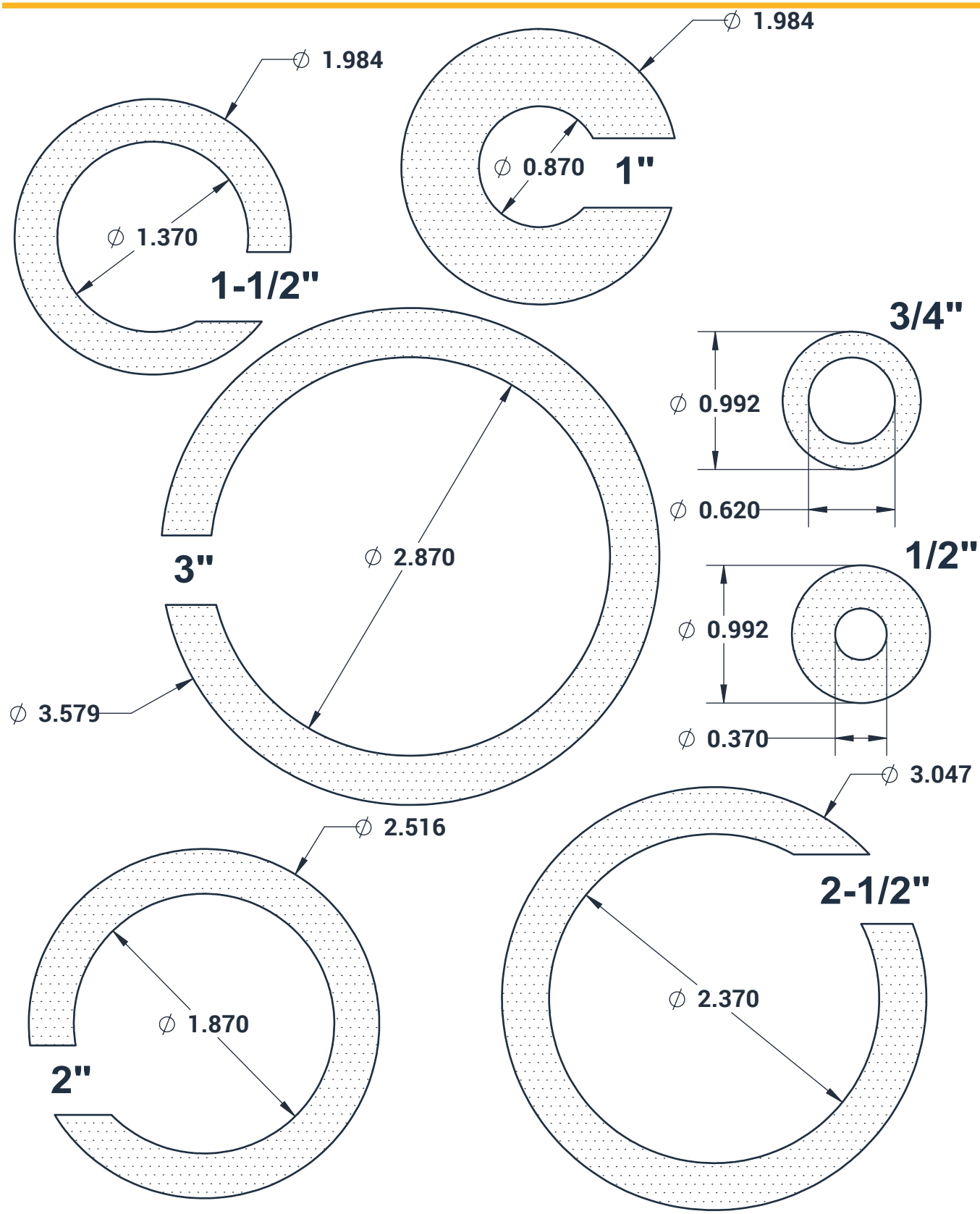
## Perforated 316 Disc Information

| Hole Diameter | Micron Equivalent | Open Area |
|---|---|---|
| .020" | 503 | 30% |
| .033" [1] | 803 | 28% |
| .063" | 1573 | 23% |
| .100" | 2517 | 33% |
| .125" | 3146 | 40% |
| .250" | 6350 | 58% |



[1] Standard size for clamp style
NOTE: 1 micron = .00003973 inches
Special order - minimums apply

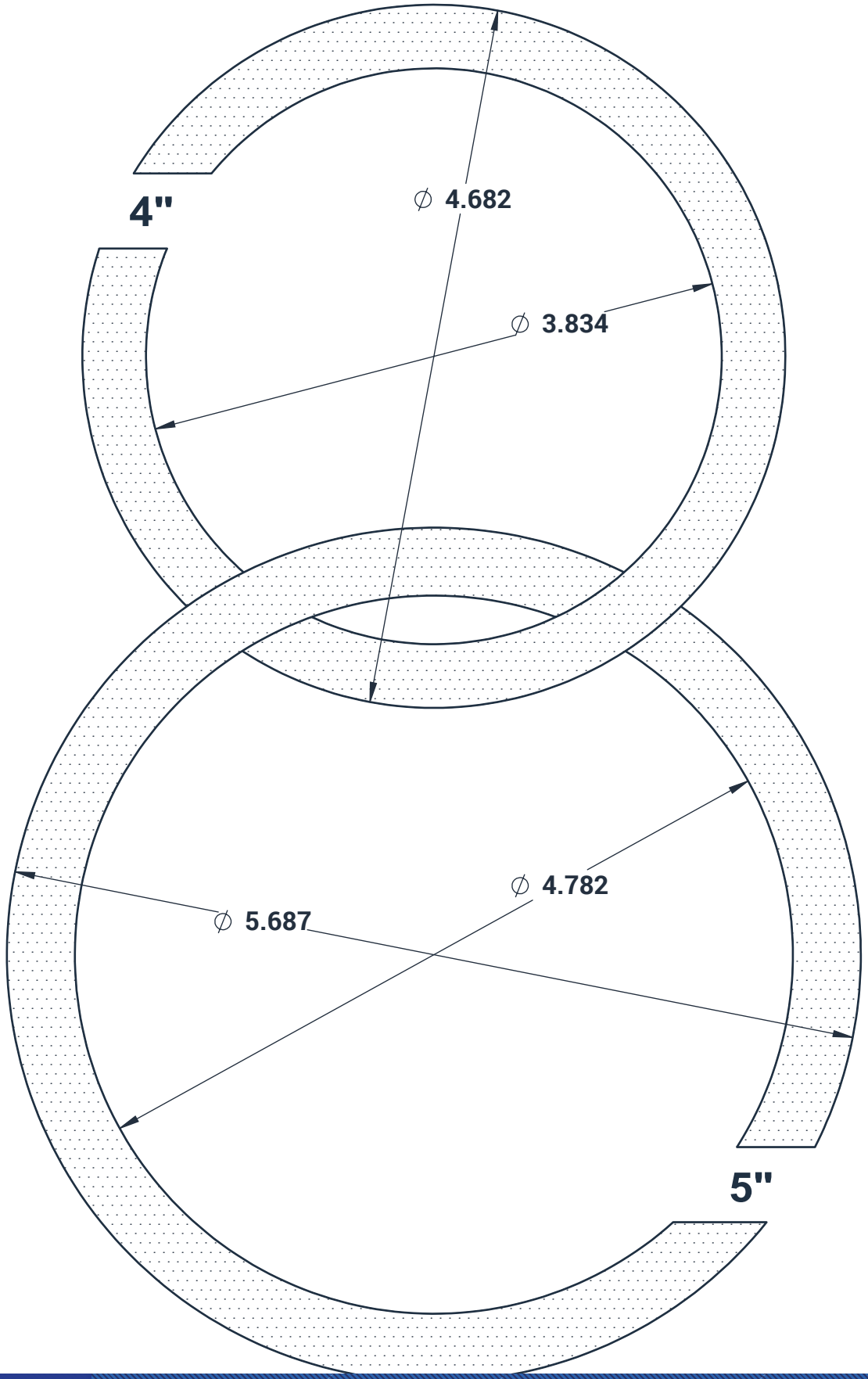
# Clamp Fittings and Gasket Sizing Guide



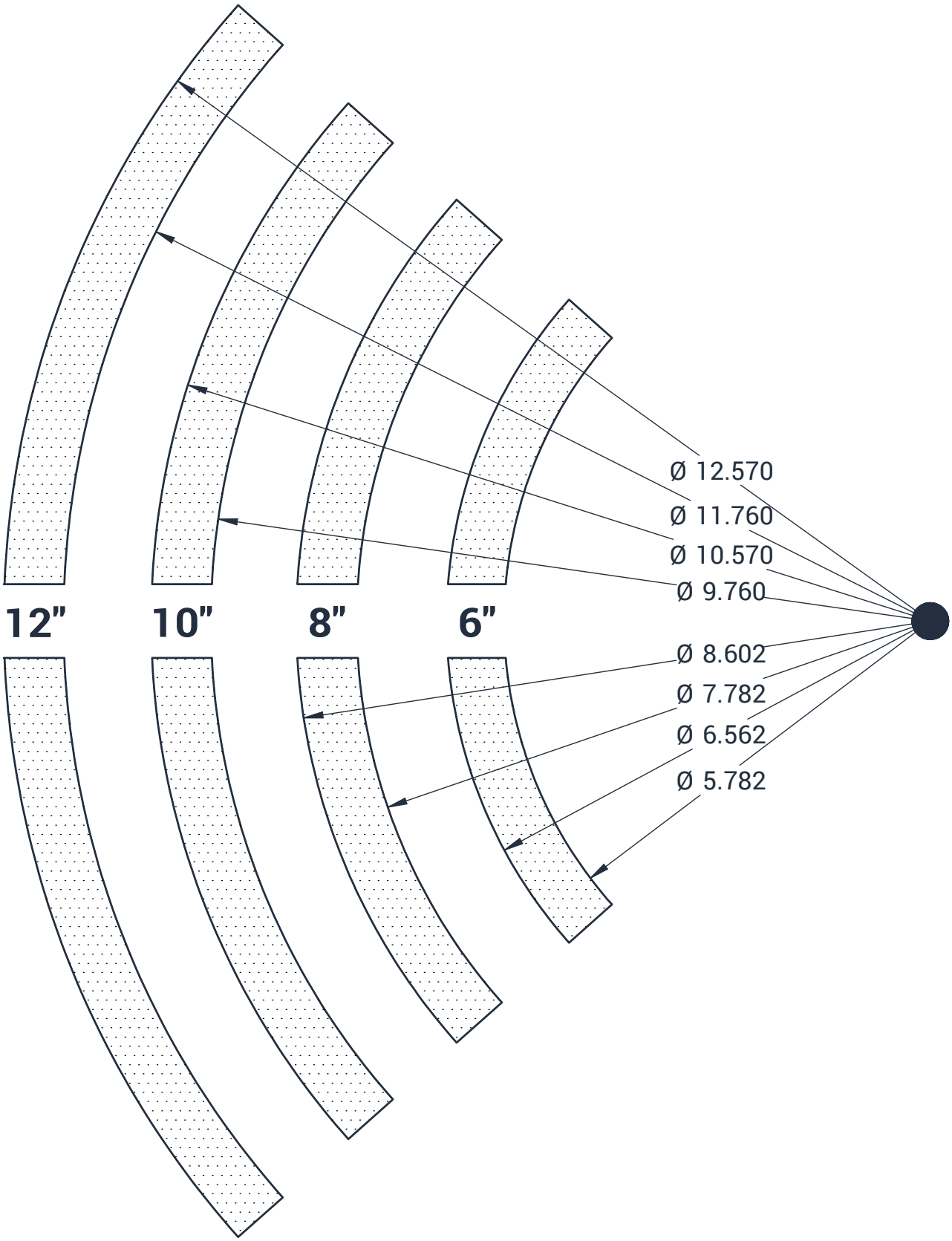

| Sanitary Size | O.D. of Clamp End (in) | I.D. of Fitting (in) |
|---|---|---|
| 1/2" | 0.992 | 0.370 |
| 3/4" | 0.992 | 0.620 |
| 1" | 1.984 | 0.870 |
| 1-1/2" | 1.984 | 1.370 |

| Sanitary Size | O.D. of Clamp End (in) | I.D. of Fitting (in) |
|---|---|---|
| 3" | 3.579 | 2.870 |
| 4" | 4.682 | 3.834 |
| 6" | 6.562 | 5.782 |
| 8" | 8.602 | 7.782 |

## Clamp Fittings and Gasket Sizing Guide



## Clamp Fittings and Gasket Sizing Guide



Page #

## A

Abrasion resistant inserts ..... 32, 35, 73
Adapters
- Aviation ..... 104
- Ball seat ..... 452, 929
- Bayonet style dry disconnect 96, 97, 1039, 1040
- Bevel seat ..... 636
- Boss® ..... 156
- Boss LPS
  - Flanged ..... 170, 171
  - Flanged, 45° elbow ..... 170
  - Flanged, short ..... 170
  - Flanged, straight ..... 170
  - Flanged to male NPT, 125# .. 171
  - Flanged to weld, 150# ..... 171
- Brass ..... 450, 452
- Cam & groove ..... 7, 8, 29, 30, 32, 43, 44, 45, 46, 51, 55, 56, 57, 61, 63, 75, 79, 81, 82, 85, 86, 88, 94, 119, 120, 176, 177, 1033, 1038
- Clamp ..... 608
- Drum thread ..... 916
- Dry disconnect ..... 94, 95, 100
  - MannTek ..... 100, 101, 102, 104
- Dry gas ..... 102
- European ..... 646, 648
- Fill pipe ..... 1028
- Fire ..... 789, 795, 796, 798, 799, 800, 801, 802, 803, 806, 807, 808, 810, 812, 813, 814, 826, 834
  - Hydrant .. 800, 801, 802, 803, 814
- GHT ..... 423, 424
- Gravity drop ..... 1029
- Hydraulic
  - BSPP (British thread) ..... 556
  - Code 61 / Code 62 ..... 566
  - JIC ..... 542, 543, 557
  - NPTF ..... 539, 541, 542, 544, 545-549, 551, 552, 553, 554, 555, 557
  - ORB ..... 539, 541, 542, 543
- I-Line/Q-Line ..... 642
- Inserts ..... 32, 73
- LIQUIfit™ ..... 994
- LP gas ..... 971, 972
- Oxy-acetylene ..... 458
- Pipe ..... 925, 926, 929
- Pipe size ..... 666
- Pump ..... 925
- Reducing ..... 964
- Side seal ..... 1021
- Steam service ..... 101
- Tank car ..... 126
- Tank transport ..... 1038
- Tank truck ..... 118, 119, 1023, 1031, 1032
  - Male adapter ..... 1021, 1024
  - Tank cabinet weld-on ..... 1022

Adapters (cont.) Page #
- Vapor recovery ..... 120, 1028, 1033
- Weld ..... 622
- with grounding tab ..... 1030

Adjustable hose bumper stops ..... 287
Aero-seal® ..... 461, 462
Air
- Blow guns ..... 279, 281
- Check valves ..... 913, 914
- Couplings ... 184, 187, 188, 190, 191, 192, 194, 195, 196, 1098
- Gauges, process ..... 347
- Hose, polyurethane .. 282, 283, 1088
- Hose reel, manual ..... 287
- Hose reel, retractable ..... 286, 287
- Hose, self-storing ..... 282, 283, 1088
- Hose, spring driven ..... 286, 287
- Receiver manifold, ASME ..... 264
  - with King safety whipsock .... 263
  - with Watts filter ..... 265
- Tool lubricant ..... 267, 1089, 1100

Air brake .... 234, 235, 236, 237, 238, 239
Air Chief
- ARO ..... 223, 224
- Automotive ..... 221, 222
- Ball swivel connectors
  - with Air Chief plugs ..... 214
- Blow guns ..... 277, 1087
- Industrial ..... 215, 216, 217, 218
- Lincoln ..... 225
- Quick disconnect ..... 215, 216, 218

Air King® ..... 265
- Clamps ..... 185, 1096
- Compressor Y ..... 267
- Ferrules ..... 184, 185
- Global ..... 182, 183, 185
- Lanyards ..... 186, 1095
- Safety clip ..... 186, 1095
- Safety pin ..... 186
- Washers ..... 186, 1095
- with ferrules ..... 184
- with gauge port ..... 184

Air line
- Shut-off valves ..... 314, 913, 914
- Swivels ..... 285

Air tool lubricants ..... 267, 1089, 1100
ANSI split flange adapter ..... 964
Anti-freeze lubricant ..... 267, 1100
API
- Certified couplings ..... 584
- Couplers ..... 139
- Dust cap ..... 1029
- Rack cords ..... 142, 144

ARO-speed quick disconnects 223, 224
ASME air receiver manifold .... 263, 264, 265
Automatic
- Drain ..... 311
- Safety couplers ..... 220

Automotive quick disconnects ..... 202, 203, 214, 221, 222, 1086
Aviation, dry couplings ..... 103, 104
Axe ..... 1066

Page #

## B

Backflow preventer ..... 417
Ball
- Cone check valves ..... 912
- Mini
  - Valves ..... 880
- Swivel connector
  - with Air Chief plugs ..... 214
- Swivels ..... 285
- Valves
  - 3-piece
    - FNPT ..... 884
    - Socket weld ..... 884
  - 3-way ..... 897
    - L flow ..... 881
    - T flow ..... 881
  - 150# flanged ..... 898
  - Bronze ..... 875, 876, 877
  - Carbon steel ..... 896
  - Dixon® MannTek full flow ..... 895, 896
  - High pressure ..... 897
  - with NPT tap for drain ..... 877

Ball Valves
- 3-Piece Ball Valves
  - encapsulated, stainless
    - 2-Way 3 Piece ..... 736
  - non-encapsulated, stainless
    - 2-way 3 Piece ..... 737

Band clamp
- Band and buckle ..... 472
  - Set screw ..... 472
  - Tools ..... 474
- Center punch ..... 469
- FO-series ..... 469
- F-series ..... 469
- K-series ..... 470
- Smooth ID ..... 471
- Tools ..... 473
- Tote ..... 472

Barbed push-on fittings .. 221, 222, 438, 439, 440, 441, 442, 443, 444
Bayonet style dry disconnects ... 96, 97, 1039, 1040
Bell reducers ..... 919, 920, 964
Bent stem swivels ..... 227
Bevel seat fittings
- Adapters
  - Rubber hose ..... 636
  - Tygon® hose ..... 636
- Caps ..... 636
- Elbows
  - 45° ..... 634
  - 90° ..... 634
- Ferrules
  - Plain

Bevel seat fit. (cont.) Page #
Heavy wall tank ..... 632
Light wall tank ..... 632
Long ..... 631
Recessed ..... 631
Recessless ..... 631
Short ..... 631
Threaded
Heavy wall tank ..... 633
Light wall tank ..... 633
Long ..... 632
Recessed ..... 633
Recessless ..... 633
Short ..... 632
Gaskets ..... 682, 683
Hex nuts ..... 630
Hex wrenches ..... 630
Single sided ..... 630
Two sided ..... 630
Reducers
Concentric ..... 635
BioPharm fittings (BPE)
Adapters ..... 650
Caps ..... 649
Weld ..... 649
Elbows
Clamp
45° ..... 652
Weld
45° ..... 652
88° ..... 652
90° ..... 651
92° ..... 652
Ferrules ..... 651
Reducers
Clamp
Concentric .. 658, 660, 661, 662
Eccentric ..... 659, 660, 663
Weld
Concentric ..... 658, 660, 661
Eccentric ... 649, 659, 660, 662, 663
Tees
Clamp ..... 654–657
Instrument ..... 657
Short outlet ..... 656
Short outlet reducing ..... 657
Weld ..... 653–657
Instrument ..... 657
Short outlet ..... 655
Short outlet reducing ..... 656
Blow guns
Air Chief ..... 277, 1087
Extended nozzle ..... 278
Extensions ..... 279, 280
High volume ..... 280, 281
Industrial ..... 283
Non-safety ..... 278, 279
Pistol grip ..... 278
Premium ..... 277
Safety ..... 277, 280, 1087
Safety air booster ..... 277, 1087
Tips ..... 278, 279, 1087

Page #
Bolted fittings ..... 944
Gaskets ..... 944
Boss®
Ductile flanges ..... 955
Boss-Lock
Cam & groove .. 36, 37, 41, 48, 49, 54, 55, 64–66, 72, 73, 74
EZ Boss-Lock .... 6, 24, 34, 37, 38, 42, 49, 54, 56
Boss
Adapters ..... 156, 175
Assembly information ..... 152
Clamps ..... 161, 162, 1097
Double spuds ..... 155, 163
Female spuds ..... 154, 157, 163
Fittings with ferrules ..... 155
Ground joint air hammer couplings . 163
Hose menders ..... 160
Knurled nut ..... 154
Male spuds ..... 155, 163
Male stems ..... 159, 160
Spud x hose shank ..... 160
Stems
Ground joint ..... 153
Ground joint air hammer ..... 163
Washer seal ..... 157
Washers ..... 158
Washer seal couplings ..... 157
Wing nut caps ..... 156
Wing nuts ..... 154, 163
Boss LPS
Adapters ..... 170, 171
45° elbow ..... 170
Short ..... 170
Straight ..... 170
Butterfly valve ..... 174
Caps ..... 169
Complete assembly ..... 165
Female fittings ..... 165
Ferrules ..... 166
Frac fittings ..... 165, 166
Hammer union caps and plugs .. 169
Hammer union elbows ..... 171
Male fittings ..... 166
One-piece flange adapters . 170, 171
One-piece hammer union nuts ... 167
O-rings ..... 166, 169, 170
Plugs ..... 169
Suction service fittings ..... 166
Three-piece hammer union nuts 167
Two-piece hammer union nuts .. 167
Vent-Lock® cam & groove .29, 30, 31, 176, 177, 178
Brass
Adapters ..... 450, 452
Ball valves ..... 878, 879
Barbed hose fittings ..... 221, 222, 426–432, 438–444, 1006, 1085
Boss
Clamps ..... 161, 162, 1098
Male stems ..... 159

Brass (cont.) Page #
Compression fittings ..... 978–983
Connectors 228, 230, 233, 234, 240, 246, 248, 256, 257, 258
Crimper tools ..... 434, 435, 436, 437
Dies ..... 434, 436, 437
Dual lock ..... 194, 195
Elbows 228, 231, 235, 236, 241, 242, 247, 249, 251, 256, 258
External drains ..... 274
Ferrules ..... 433, 446, 447, 448
Garden hose fittings . 418–424, 441, 1078, 1079, 1080
Gauges ..... 347, 353
Hex plugs ..... 455, 938
Jack chains with S-hooks ..... 73
Lead free fittings ..... 455
Adapters - NPT ..... 449, 920, 925
Female hex couplings - NPT 449, 922
Hex nipples ..... 451
Hex socket ..... 455
Male hose x male hose x female pipe ..... 423
Pipe cap - NPT ..... 454, 937
Pipe nipples ..... 450, 451, 927
Reducer bushings - NPT ..... 449, 925
Reducer couplers - NPT 449, 920
Long shank fittings ..... 374, 375
LP gas hose couplings and adapters 971
Male swivel inserts ..... 426
Nickel plated push-in fittings .... 246, 247, 248, 249, 250, 252
Nozzles
Fog ..... 779
Global approved ..... 779
Nylon/nickel-plated push-in fittings 248, 249, 250
Push-in fittings ... 240, 241, 242, 243
Push-on fittings . 438, 439, 440, 441, 442, 443, 444, 445
Reusable fittings ..... 446, 447, 448
SAE 45° flare fittings .. 984, 985, 986
Sash chains with pull rings ..... 72
Short shank fittings ..... 370, 371
Swivels 420, 421, 424, 426, 428, 431, 432, 438, 440, 441, 442, 443, 444, 447
Tees .... 229, 232, 233, 237, 242, 243, 247, 250, 257, 430, 453, 454, 934, 936
Threaded bell reducers ..... 920
Threaded unions ..... 922
Water regulators ..... 289, 326
Break-away coupling
Industrial ..... 106, 143
Marine ..... 105
Breakaway coupling
Bevel seat ..... 721
Clamp ..... 721
Breather vents ..... 271


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Page #

Bull plugs ..... 946
Butterfly valves ..... 174, 1052
B5116-series ..... 742
Clamp ..... 741
Clamp end ..... 738, 739, 740
Socket weld flange ..... 952

## C

Cable junction box ..... 150
Cables
King ..... 261, 263, 1099
Spillguard™ armored ..... 149
Cam & groove
150# flange ..... 61
Abrasion resistant inserts 32, 35, 73
Actuator style ..... 95
Adapters ..... 7, 8, 29, 30, 32, 43, 44, 45, 46, 51, 55, 56, 57, 61, 63, 75, 79, 81, 82, 85, 86, 118, 119, 120, 126, 175, 176, 177, 1022, 1024, 1031, 1032, 1033
150# ANSI flange ..... 61
Adapter x 150# flange ..... 61
Adapter x female NPSM ..... 64
ANSI ..... 61, 83
Boss-Lock . 34, 36, 37, 41, 48, 54, 55, 64, 65, 66, 73, 74
Boss® LPS ..... 164–171
BSP thread ..... 84
Adapter x female ..... 84
Adapter x male ..... 84
Coupler x female ..... 84
Coupler x male ..... 84
Caps
Lockable ..... 48
Clips and lanyards ..... 186, 1095
Couplers ..... 6, 7, 25, 26, 27, 29, 30, 33–42, 52, 55, 56, 57, 61, 64, 65, 76, 77, 78, 81, 82, 83, 85, 86, 87, 93, 119, 120, 121, 176, 177, 178, 1032, 1033, 1034
150# flange ..... 61
Coupler x 150# flange ..... 61
Coupler x adapter wye ..... 64
Coupler x tube with 45° cut .... 65
Coupler x adapter ..... 53, 54
with port ..... 53, 54
Crimped fittings ..... 7–9, 13–17
Crimp sleeves ..... 15–17
Disk strainers ..... 72
Dry disconnect ..... 93, 94
Dust caps .. 28, 30, 47, 48, 49, 80, 89, 177
Locking handles for Dixon® cam & groove dust caps ..... 66
Dust plugs ..... 30, 50, 80, 89, 177

*Cam & groove (cont.)* Page #

15° type F adapter x male NPT ... 60
45° adapter x coupler ..... 58
45° coupler x coupler ..... 58
90° adapter x coupler ..... 58
90° coupler x coupler ..... 58
90° type A adapter x female NPT 58
90° type B coupler x male NPT ... 59
90° type C coupler x hose shank 59
90° type D coupler x female NPT 59
90° type E adapter x hose shank 60
90° type F adapter x male NPT ... 60
EZ Boss-Lock ..... 24, 29, 30, 31, 34, 37, 38, 39, 42, 49, 52, 54, 56, 61, 62, 63, 67, 176, 177, 178
EZLink® armless ..... 27, 28
Flanged ..... 61, 82
ANSI ..... 61, 83
Flanged couplers and adapters 118, 119, 124, 1031, 1032
Gaskets . 68, 69, 70, 71, 72, 122, 127, 1025, 1030
Global ..... 7, 75–84
Handles
Boss-Lock ..... 66
Dixon® ..... 66
EZ Boss-Lock handles ..... 67
Global ..... 83
Paddle ..... 67
Vent-Lock® ..... 31, 178
In-Line sight glasses ..... 65
Jump size .....53, 54, 56, 57, 81, 82
King Crimp® system ..... 26
Working pressures ..... 26
Locking caps ..... 48
Notched fittings .....36, 37, 39, 44, 45
NST ..... 85
Female ..... 85
Male ..... 85
Phono finish ..... 38, 43
Pull ring ..... 72
Rail car unloading assemblies ... 126
Reducing jump size
Adapter x female NPT ..... 56
Adapter x hose shank ..... 57
Adapter x male NPT ..... 57
Coupler x female NPT ..... 57
Coupler x hose shank ..... 56
Coupler x male NPT ..... 56
Spool adapters ..... 55, 81
Swaged ..... 39, 44
Swivel couplings ..... 25
Tank car fittings .. 124, 125, 126, 127
TTMA slip on x socket flange ... 118, 1031
Vapor recovery couplers ... 120, 121

*Cam & groove (cont.)* Page #

Velcro straps ..... 73
Vent-Lock® 29, 30, 31, 176, 177, 178
Weld fittings
Butt ..... 62, 63
Socket ..... 62, 63
Witches hat strainers ..... 72
Caps ..... 649
Acrylic sight glass ..... , 723
ADS outalarm ..... 150
ANSI with tapped outlet ..... 966
API, dust ..... 1029
Bevel seat ..... 636
Blank end ..... 966
Boss® wing nut ..... 156
Dust ..... 97, 100, 104, 1040
European fittings ..... 646, 647, 648
Fill pipe ..... 1036
Fire ..... 816, 817, 818, 819, 820, 827, 834
Flat face ..... 540
Gravity drop adapters ..... 1030
Hammer union ..... 169
Blanking caps ..... 169
I-Line / Q-Line ..... 641
Instrumentation ..... 977
John Perry ..... 645
Lok-on ..... 445
LP gas ..... 973
N-series ..... 192
Nylon ..... 942
Pipe ..... 937, 942, 1038
Pipe size ..... 665
Solid end ..... 607, 641, 645, 649, 665
Tank transport ..... 1037, 1038
Thermometer ..... 607
Vacuum relief ..... 1035
Vapor ..... 1035
Vent ..... 1036
Weld ..... 621, 649
Carded FRLs ..... 317, 1084
Check valves
800 PSI stainless steel ..... 913
B45 air blow ..... 745
Ball cone ..... 912
HAV-series ..... 746
EHSC-series ..... 743
HYC-series ..... 744
In-line ..... 254, 255
Spring loaded ..... 913, 914
Swing ..... 914
Uni-directional ..... 255
Chicago type fittings 180, 181, 182, 183, 184, 185, 261, 264, 1096
Clamp fittings
Accessories for Clamps
Bolt, hex head ..... 599
Brass hex nuts ..... 599
Cross hole wing nut ..... 599
Eye bolt ..... 599
Hex ..... 599
Mini cross hole wing nut ..... 599
Rivet pin ..... 599

Page #

*Clamp fit. (cont.)*
- Spring loaded nut ..... 598
- Stainless steel hex nut ..... 599

Adapters, clamp by
- 150# flange ..... 613
- Bevel seat ..... 608
- Brewery hose barb ..... 609
- Female NPT ..... 611
- Hose, rubber ..... 609
- Male NPT ..... 610
- Tygon® hose ..... 608

Clamps
- Bolted ..... 597, 664
- Dairy ..... 598
- Double pin ..... 597
- I-line / Q-line ..... 637
- Pipe size ..... 664
- Single pin ..... 596, 664
- Single pin w/ serrated nut .... 596
- Squeeze ..... 596
- T-bolt ..... 598
- Three segment ..... 597
- Toggle ..... 597

Clever clamp ..... 595
Crosses ..... 612
Elbow
- 45° ..... 602
- 90° ..... 602
- 180° returns ..... 612
- Bevel seat ..... 602
- Plain ..... 602

Ferrules
- Automatic weld ..... 601
- Heavy wall tank ..... 601
- Light wall tank ..... 601
- Long weld ..... 600
- Reducing ..... 600
- Reducing roll-on for expanding .. 600
- Roll-on for expanding ..... 601
- Short weld ..... 600

Gaskets ..... 673–681
Laterals ..... 612
Reducers
- Clamp x plain bevel seat ..... 605
- Concentric ..... 605
- Eccentric ..... 606

Tees
- Equal ..... 604
- Reducing ..... 604
- Short outlet ..... 604

True wye ..... 612

Clamps ..... 137, 567, 568, 569, 570
Accessories ..... 472, 473
Aero-Seal® ..... 461, 462
Air King® ..... 185, 1096
Band ..... 469, 470
Band & buckles system ..... 472, 474
Bolted .. 466, 467, 468, 477, 478, 567
Boss® ..... 161, 162, 1097
Center punch ..... 469, 471
Constant torque ..... 463
Counterbalance ..... 137

*Clamp (cont.)*
- With saddles ..... 477

Flexible hose driver ..... 473
HTM hi torque ..... 463
Hydraulic ..... 568
Kits ..... 465
Painted iron ..... 962
- Gaskets ..... 962

Pinch-on ..... 475, 476
Pipe and tube..... 569, 570
Racks ..... 464
Roll over type ..... 471
Safety caps ..... 474
Service kit ..... 476, 1087
Single bolt ..... 478
Smooth ID ..... 471
Spiral ..... 479
Stepless ear ..... 476
T-bolt ..... 466, 467, 468
Tools ..... 473, 474, 476
Wave seal ..... 462
Worm gear
- Aero-Seal® ..... 461, 462
- Constant torque ..... 463
- Dixon® ..... 460
- HTM hi torque ..... 463
- Make-a-clamp kits ..... 465
- Marine grade ..... 461
- Miniature ..... 460
- Quick release ..... 465
- Racks ..... 464

Claw type fittings ..... 180, 181, 182, 183, 184, 1096
Clever Clamp ..... 595
Close nipples ..... 927, 928
Combination nipples 9, 10, 11, 173, 358, 359, 360, 361, 363
- Bauer style ..... 383
- Global ..... 360
- Jump size ..... 360
- Sleeves ..... 364

Combination units
- Series 1 ..... 319, 332
- Watts ..... 343
- Wilkerson ..... 291, 306–310

Composite mini ball valves ..... 253
Compound gauges ..... 350
Compression fittings ..... 978, 979, 980, 981, 982, 983
- Connectors ..... 978, 979
- Elbows ..... 980, 981
- Inserts ..... 982
- Nuts ..... 983
- Plug ..... 982
- Reducers ..... 979
- Sleeves ..... 982, 983
- Tank fittings ..... 980
- Tees ..... 981, 982

Compressor Y valve ..... 267
Concentric reducers . 605, 635, 661, 662
Conical mufflers/filters ..... 271
Connectors
- Instrumentation ..... 974

Page #

Connectors, push-in 230, 231, 232, 233, 244, 245, 246, 247, 250, 252
Constant torque clamps ..... 463
Contractor pressure gauges ..... 349
Couplers ..... 121
- API ..... 139
- Bayonet style dry disconnect 96, 97, 1039, 1040
- Cam & groove ..... 24, 25, 26, 27, 29, 33–42, 52, 55, 56, 57, 76, 82, 176, 177
  - Abrasion resistant inserts ..... 35
- Cam & groove actuator style ..... 95
- Dry disconnect ..... 93
  - MannTek ..... 99, 101, 102, 103
- Garden hose ..... 415
- Legris ..... 220
- Parker E-z-mate ..... 219
- Tank truck ..... 119, 1023, 1032
  - Female coupler ..... 1021
  - NPT ..... 1021
- Vapor recovery 120, 121, 1033, 1034
  - Locking handle ..... 121
- with grounding tab ..... 1030

Coupling
- Ground joint ..... 153
- Inserter ..... 1059
- Lubricant ..... 1063

Couplings
- Agri-Lock style .... 378, 379, 380, 381
- Air King® universal ..... 180, 181, 182, 183, 184, 1096
- A-series ..... 212, 213
- Bauer style . 382, 383, 384, 385, 387, 388
- Bayonet style dry disconnect 96, 97, 1039, 1040
- BR-series ..... 211
- Cam & groove ..... 6, 7, 24, 27, 28, 29, 30, 33–42, 52, 53, 55, 76, 77, 78, 81, 82, 83, 93, 95, 119, 120, 121, 176, 177, 1032, 1033, 1034
- CJ-series ..... 206
- DF-series .... 197, 198, 199, 200, 201, 1086
- Dix-Lock® quick acting ..... 190, 191, 192, 193, 1098
- Dry evotek ..... 108

Dry quick disconnects 93–103, 105, 106, 143, 1039, 1040
- DF-series ..... 198–201
- Dual Lock quick-acting ..... 194–196
- Equipment ..... 572, 586
- Global Air King® quick-acting ..... 183
- Global Air King® universal .. 182, 183
- Ground joint ..... 153, 163, 1097
- Ground joint air hammer ..... 163
- Hex ..... 421, 449, 552, 922
- High density polyethylene ..... 969
- Holedall® ..... 577, 582, 584
- API certified ..... 579, 584


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*Couplings (cont.)* Page #
- Holedall Petroleum style ..... 582
- Hydraulic ..... 399, 400, 401
- Inserts ..... 73
- J-series ..... 202, 203, 1086
- Lightweight flexible ..... 960
- Long shank ..... 372, 374, 375
- LP gas ..... 971, 972, 973
- L-series ..... 208
- Machines ..... 572, 586
- Merchant ..... 921
- M-series ..... 204, 205, 1086
- Natural gas ..... 107
- NK-series ..... 210
- N-series ..... 190, 191, 192, 193, 1098
- Oxy-acetylene ..... 458
- Pump hose ..... 586, 587
- Quick release ..... 958
- Reducer ..... 449, 920
- Rigid ..... 961
- Safety break-away ..... 105, 106, 143
- Sand blast ..... 187
- Sanitary (IX) style ..... 588
- SHD-series ..... 207, 208
- Short shank ..... 370, 371, 373, 1005, 1008
- Spray hose ..... 376, 419
- Standard ..... 959
- Steam service ..... 101
- Straub ..... 953, 954
- Surelock™ quick acting ..... 188, 189
- Threaded both ends ..... 921
- U-series ..... 209
- Washer seal ..... 157

Crimp
- Brass ferrules ..... 433
- Collars ..... 1017

Crimped fittings
- Cam & groove ..... 7, 13, 14, 15, 16, 17
- Sanitary ..... 11, 591, 592, 593
  - DIN external crimp stem ..... 591
- True ID ..... 1016, 1017

Crimping tools ..... 434, 435, 436, 437

Cross
- Sched. 80 polypropylene ..... 941

Crows foot type fittings .. 180, 181, 182, 183, 184, 185, 186, 1095, 1096

## D

Desiccant dryer, FRL ..... 297
Diameter tape ..... 1064
Differential pressure indicator ..... 313
Digital gauges ..... 354
Disk strainers ..... 72

Displays
- Dixon retail ..... 1072–1101

*Displays (cont.)* Page #
- End cap sign ..... 1076, 1082, 1089, 1101
- Garden hose ..... 1077–1082
- Hydraulic ..... 1090
- Outside air ..... 1094
- Pneumatic ..... 1083–1089
- Poster ..... 1076, 1082, 1089
- Pressure washer ..... 1072–1076
- Shelf graphic ..... 1076, 1082, 1089
- Sign holder .. 1076, 1082, 1089, 1101

Dix-Lock®
- Cap ..... 192
- Quick acting couplings ..... 190, 191, 192, 193, 1098
- Seal kits ..... 1095

D.O.T.
- Air brake fittings ..... 233
- Air brake tubing ..... 1000
- Push-in fittings ..... 228–233

Double
- Bolt clamps ..... 477, 567
  - With saddles ..... 477

Drain, external ..... 274, 908
Drip leg auto drain ..... 333
Drum ..... 916
- Faucets ..... 915
- Gate valves ..... 916
- Plug wrenches ..... 915
- Thread adapter ..... 916

Dry
- Aviation ..... 103, 104
- Evotek ..... 108
- Gas ..... 102
- Gauges ..... 345, 346, 347, 348, 1088
- Quick disconnects 96, 97, 100, 1039, 1040

Dry disconnect
- Adapters ..... 94, 95, 97, 100, 101, 102, 104, 1040
- Bayonet style ..... 96, 97, 1039, 1040
- Couplers 93, 96, 101, 102, 103, 1039
- MannTek ..... 98–106

Dryers
- Desiccant air ..... 297

Dual Lock
- Locking key ..... 196
- Quick-acting couplings ..... 194, 195, 196

Dust caps
- AG-series ..... 493
- API ..... 1029
- Aviation ..... 104
- Bayonet style ..... 97, 1040
- Cam & groove .. 28, 30, 47, 48, 49, 80, 177
- CVV-series ..... 530
- Dry gas ..... 102
- Dry quick disconnect ..... 100
- Gravity drop adapters ..... 1030
- HT-series ..... 507
- K-series ..... 491

*Dust Caps (cont.)* Page #
- ST-series ..... 514
- TD-series ..... 530
- T-series ..... 528
- VEP-series ..... 517
- V-series ..... 500
- W-series ..... 521
- WS-series ..... 525

Dust plugs
- AG-series ..... 493
- Aviation ..... 103
- Bayonet style ..... 97, 1040
- Cam & groove ..... 50, 80
- CVV-series ..... 530
- Dry gas ..... 102
- Dry quick disconnect ..... 99
- HT-series ..... 507
- K-series ..... 491
- ST-series ..... 514
- TD-series ..... 530
- T-series ..... 528
- VEP-series ..... 517
- V-series ..... 500
- W-series ..... 521
- WS-series ..... 525

## E

Eccentric Reducers ..... 662, 663

Elbows
- Agri-Lock style ..... 380
- Air brake ..... 235, 236
- Bauer style ..... 384
- Bevel seat ..... 634
- BioPharm fittings
  - 45° Clamp x clamp ..... 652
  - 45° Clamp x weld ..... 652
  - 45° Weld ..... 652
  - 88° Weld ..... 652
  - 90° Clamp x clamp ..... 651
  - 90° Clamp x weld ..... 651
  - 90° Weld ..... 651
  - 92° Weld ..... 652
- Cam & groove ..... 58, 59, 60, 90
- Clamp fittings ..... 602
  - 90° Weld ..... 603
  - 180° return bends ..... 612
- Coaxial ..... 1023
- Compression ..... 980, 981
- Drop ..... 1020, 1022, 1023, 1024
- Flare ..... 545, 546, 985, 986
- Hammer union ..... 171
- Height extensions ..... 1022
- Hose barb ... 429, 430, 431, 439, 443, 1006
- Hydraulic .... 539, 540, 542, 543, 545, 546, 547, 549, 550, 551, 553, 556, 950

*Elbows (cont.)* Page #
- Instrumentation ..... 975, 976
- LIQUIfit™ ..... 992, 993, 994, 995
- Nylon ..... 1006, 1009
- Polypropylene ..... 1006
- Push-in 228, 231, 232, 241, 242, 245, 247, 249, 251, 252, 256, 258
- Side seal fuel delivery ..... 1021
- Splicer ..... 430
- Street ..... 453, 931, 932
- Sweep ..... 603, 617
  - 90° Weld ..... 617
- Threaded
  - 45° ..... 431, 453, 933
  - 90° ..... 429, 439, 452, 453, 930, 9031, 932, 941
  - reducing ..... 931
  - side outlet ..... 935
- Tectite™ ..... 991
- Tuff-Lite ..... 1006, 1009

Engineered fluid transfer
- ADS ..... 144–149
  - Accessories ..... 150
  - Outalarms
    - Cable junction boxes ..... 150
    - Caps ..... 150
    - Gauge rods ..... 149
    - Open dome adapters ..... 150
    - Outage gauge ..... 149
    - with capacitance probe ..... 145
  - Spillguard™ monitors ..... 146
    - Armored cables ..... 149
    - Probes ..... 147

Equipment
- Clamp tools ..... 474, 476
- Coupling inserter ..... 1059
- Crimpers ..... 435, 436, 437
- Cutters ..... 1003
- for push-on fittings ..... 445
- Hand hydrotest pump ..... 1060
- Hydrostatic test pumps ..... 1060
- Test pumps ..... 1060

European Fittings
- DIN
  - Blank cap ..... 646
  - Round nut ..... 646
  - Spanner wrench ..... 647
  - Welding liner ..... 646
  - Welding male ..... 646
- Gaskets ..... 688, 689
- RJT
  - Adapters ..... 648
  - Blank cap ..... 648
  - Hex nut ..... 648
  - Spanner wrench ..... 648
  - Welding liner ..... 648
- SMS
  - Adapters ..... 647
  - Blank cap ..... 647
  - Round nut ..... 647
  - Spanner wrench ..... 647
  - Welding liner ..... 647

Exhaust muffler

Page #

External crimp ferrules ..... 13, 14
External drain cocks ..... 274, 908
Externally swaged fittings ..... 363, 574, 575, 576, 577, 579
External swage ferrules ... 363, 578, 579
EZ Boss-Lock ..... 6, 24, 29, 30, 31, 34, 37, 38, 39, 42, 49, 52, 54, 56, 61, 62, 63, 67, 121, 125, 176, 177, 178
EZLink® armless
- Bottle opener ..... 28
- Couplers ..... 27
- Dust caps ..... 28
- Replacement gaskets ..... 28
- Replacement kits ..... 28
- Safety clip ..... 28

## F

Faucets ..... 915
- Compression bibb ..... 915

Ferrule crimping tools ..... 434–437
Ferrules
- Air King® ..... 184
- API certified ..... 585
- Automatic weld ..... 601
- Auto weld ..... 651
- Brass ..... 433, 446, 447, 448
  - Dies ..... 434, 436, 437
- Crimped, sanitary ..... 593
- External swage 44, 45, 362, 363 578, 579
- Global Air King® ..... 185
- I-Line/Q-Line ..... 638, 639, 640
- Instrumentation ..... 977
- Internally expanded ..... 581
- John Perry ..... 644
- King Crimp® ..... 13, 14
  - Heavy duty ..... 12, 173
  - Short frac ..... 11, 166
- Long weld ..... 600, 665
- Notched ..... 44, 45, 362, 363
- Oxy-acetylene ..... 458
- Petroleum ..... 585
- Pipe size ..... 664, 665
- Reducing ..... 600
- Reducing roll-on ..... 600
- Roll-on ..... 601
- Sanitary (IX) style ..... 590
- Holedall Petroleum style ..... 583
- Short weld ..... 600, 664
- Tank ..... 601

Fill pipe
- Adapter caps ..... 1036
- Adapters ..... 1028

Filter/regulators ..... 302, 303, 326–328
- Accessories ..... 333–338, 343, 344

*Filter/Regulators (cont.)* Page #
- Mini's ..... 289, 290
- Series 1 ..... 326, 327
- Watts ..... 340, 341
- Wilkerson ..... 289, 290, 302, 303

Filters ..... 292-296, 319-322
- Accessories 312, 313, 314, 315, 316, 333, 334, 344
- Airline ..... 292, 293, 319, 320, 321
- Carded ..... 317, 1084
- Disposable in-line nipple ..... 269
- Hydraulic
  - In-line ..... 568
- In-line, air/oil ..... 268
  - Lubricator ..... 269
- Mini in-line ..... 269, 272
- Oil removal ..... 321
- Sanitary ..... 727, 728, 729, 730, 731
- Series 1 ..... 317, 318, 319, 320, 321, 322, 326, 327, 1084
- Watts ..... 339
  - F602 ..... 339
- Wilkerson .. 288, 289, 290, 292–296, 302, 303

Finger type clamps ..... 161, 162, 1097
Fire fittings, hose & accessories
- Adapters ..... 88
  - Double male
    - Pin lug ..... 813
    - Rocker lug ..... 813
    - Rocker lug, style N36 ..... 814
  - Hazmat
    - Pin lug ..... 802
  - Hex
    - Double female ..... 795
    - Double male ..... 813
    - Double male, NYFD threads ..... 812
  - Hydrant
    - Cam & groove ..... 64, 814
    - Pin lug ..... 412, 800, 802, 1079
    - Rocker lug ..... 803
  - Long handle
    - Style N37 ..... 799
    - Style N54L ..... 810
    - Style N56 ..... 801
  - Open snoot ..... 796
  - Pin lug
    - Cam & groove ..... 64, 814
    - NY threads ..... 802
    - Swivel ..... 796
  - Rocker lug ..... 795, 796, 797, 798, 799, 801, 806, 807, 809, 810, 814
    - Storz ..... 823
    - Style N35 ..... 799
    - Style N36 ..... 814
    - Style N57 ..... 806, 807
    - Style N53 ..... 798
    - Style N54 ..... 810
    - Swivel ..... 796
  - Single male outlet ..... 804
  - Storz


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*Fire fittings (cont.)* Page #

- FSA ..... 822
- Hydrant ..... 826
- MSA ..... 824
- Rigid female ..... 822
- SFSA ..... 823
- SSA ..... 826
- SSA30 ..... 826
- Suction
  - Female, rocker lug ..... 795
  - Male, rocker lug ..... 809
- Swivels
  - Female to male, long handle ... 810
  - Female to male, pin lug ..... 808
  - Female to male, rocker lug 808, 810
  - Male, pin lug ..... 808

Axe ..... 851
Backflow preventer ..... 870
British instantaneous fittings ... 849, 850
Cam & groove x NST ..... 815
- Type A ..... 815
- Type B ..... 815
- Type D ..... 815

Caps
- Breakable ..... 819
  - Aluminum ..... 819
  - Polycarbonate ..... 819
- Hydrant ..... 818
- Pin lug ..... 816
- Rocker lug ..... 816, 817
  - Test ..... 816, 817
  - With cable ..... 817
- Specialty ..... 819
  - Cap test gauges ..... 820
  - Domestic, pin lug ..... 819
  - Hydrant ..... 819
  - Plugs with cable, rocker lug .... 820
- Storz ..... 827
- Test ..... 816, 817
- Universal hose ..... 818
- With cable ..... 817
  - Long handle ..... 817
- With chain ..... 818
  - Pressurizable cap ..... 818

Connections
- International shore ..... 850
- Residential sprinkler ..... 847
- Roof ..... 835, 836, 837
- Siamese
  - Double clapper ..... 839
  - Single clapper ..... 838
  - Trippler clapper ..... 840
- Single hydrant ..... 847
- Single inlet ..... 847
- Sleeve for sidewalk ..... 837

Couplings
- Booster, hose type ..... 769
- Expansion ring ..... 766, 767, 769
- Forestry, forged ..... 769

*Fire fittings (cont.)* Page #

- Forestry ..... 769

Elbows
- Angle and suction ..... 832
- Continuous swivel ..... 832
- Storz
  - 30° elbow ..... 826
  - Long handle, SFSA30 ..... 825
  - Rocker lug, SFSA30 ..... 825

Expansion ring & gasket guide .. 768
Fire jacket
- For hose ..... 778, 1068
- Tape ..... 778, 1068
  - Non adhesive ..... 778, 1068

Flange
- Storz
  - NCS-CSF ..... 825

Forestry
- Expansion ring couplings ..... 769
- Hose clamp and spanner ..... 830
- Nozzles ..... 790, 791
- Valves ..... 861
- Wrench ..... 830

Hose
- 300# single jacket ..... 751
- 500# rack
  - Non UL labeled ..... 755
  - UL labeled ..... 754
- 500# single jacket ..... 752, 753
  - Color impregnated ..... 753
  - UL labeled ..... 752
- 800# double jacket ..... 753
  - Color impregnated ..... 753
- Cabinet ..... 777
- Double jacket, potable water 754
- Forestry
  - Forestry mop up ..... 756
  - Forestry mop up, hose kit .. 756
  - Non weeping ..... 756
- Nitrile covered
  - 500# ..... 755
  - Heavy duty ..... 757
- Non-collapsible
  - Chemical booster ..... 758
  - Fire and utility ..... 758
- Single jacket mine, MSHA approved ..... 754

Hydrant
- Adapters ..... 88

Hydrant body, 2-way ..... 843
Identification plates
- Round ..... 848

Manifolds ..... 833
Monitor
- FirePro™ ..... 785
- Nozzle ..... 785
- Omega™ ..... 785

Nipples
- Hex, double male ..... 811
- Hex, female to male ..... 803, 804, 805
- Hex, female to male, NY threads 805

*Fire fittings (cont.)* Page #

- Blue devil select gallonage ... 793
- Break apart attack ..... 789
- Dual range ..... 793
- Fog ..... 412, 781
  - Constant flow ..... 787, 788
  - Econo ..... 788
  - Electrical fire ..... 780, 786
  - Flow rate chart ..... 781
  - FM approved ..... 786
  - Forestry ..... 791
  - Forestry, global ..... 790
  - Gaskets ..... 786, 787
  - Industrial ..... 780
  - Industrial, heavy duty ..... 780
  - Industrial, high pressure .... 780
  - Refinery, blue ..... 787
  - Tri-Flo ..... 788
  - U.S. Coast Guard approved ..... 784
- Forestry
  - Twin tip, straight stream ... 792
- Gallonage
  - Adjustable Tri-Flo ..... 790
  - Constant ..... 794
  - Dual ..... 790
  - Select ..... 793, 794
  - Single ..... 790
- Garden hose ..... 788
- Master stream ..... 785
- Monitor ..... 785
- Penetrator ..... 792
- Pistol grip adapters ..... 789
- Plain hose ..... 782, 783
- Rack ..... 781
  - Global ..... 781
- Shut-off
  - Ball ..... 782, 789
  - Ball, forestry grade ..... 791
  - Ball, pistol grips ..... 791, 792
  - Ball, tips ..... 791
  - Ball, with nozzle ..... 792
  - Dual gallonage ..... 790
  - Single gallonage ..... 790
- Street cleaning ..... 783
- Tips ..... 782
- Twist ..... 782
- U.S. Coast Guard Approved AFFF 784
- Viper™ ..... 793, 794
- Washdown
  - Street cleaning ..... 783
- Water fog ..... 784

Play pipes ..... 783
- Tips ..... 783

Plugs
- Adjust-A-Plug ..... 820
- FDC ..... 820
- Pin lug ..... 821
  - Domestic ..... 821
- Rocker lug ..... 821

Pressure restricting device ..... 868
Pump test headers ..... 833

*Fire fittings (cont.)* Page #
- Hose ..... 775
- Hump ..... 775
  - Covers ..... 775
- Pin
  - Covers ..... 776
  - Hose assembly ..... 776
  - Nipples ..... 776
  - Semi-automatic ..... 776
  - Wall bracket ..... 776
- Reels ..... 771
  - Continuous flow ..... 773
    - Accessories ..... 773
    - Covers ..... 773
  - Global continuous flow ..... 772
    - Cover ..... 772
    - Replacement inlet swivel joint 772
  - Style V swing type ..... 770
    - Covers ..... 770
  - Swing type ..... 771
    - Covers ..... 771
    - Heavy duty, high capacity . 771
    - Pipe brackets ..... 771
- Siamese assemblies
  - Double clapper concealed type .. 846
  - Two way sidewalk ..... 846
- Siamese body ..... 842
- Snoots
  - Clapper type, pin lug ..... 845
  - Spring check type, pin lug .... 844
- Sprinkler line tester ..... 851
- Storz ..... 827, 828, 831
  - Accessories ..... 827
  - Adapters ..... 823, 826
  - Caps ..... 827
  - Elbows ..... 825, 826
  - Flanges ..... 825
  - Gaskets ..... 827
  - Hydrant wrench ..... 828
  - Locking device ..... 827
  - Mounting plates (bracket) .... 827
  - Rigid female ..... 822
  - Rigid male ..... 824
  - Valves ..... 872
  - Wrenches ..... 831
- Suction
  - Elbows ..... 832
  - Short shank, long handle ..... 832
- Swivels
  - Adapter
    - Female to male, pin lug ..... 808
  - Double female ..... 797
    - Pin lug ..... 797
    - Rocker lug ..... 797
  - Elbows ..... 832
  - Replacement and accessories ... 821
  - Storz
    - Style N35, rocker lug ..... 799
    - Style N53, rocker lug ..... 798
    - Style N57, long handle ..... 799

*Fire fittings (cont.)* Page #
- Angle ..... 865, 869
  - 500# ..... 853
  - Cast ..... 852, 854
  - Forged ..... 855
- Ball ..... 863
- Chicago pattern ..... 870
- Drain ..... 871
- Drip, ball ..... 864
- Gate
  - Hydrant ..... 859
  - Hydrant, global ..... 859
  - Hydrant, single ..... 858, 859
  - Large diameter ..... 860
  - Wedge disc ..... 856, 857
- Globe ..... 864, 866
- Pressure reducing ..... 867, 868
- Relief ..... 872
- Sprinkler hose ..... 871
- Wye ..... 861, 862, 863
- Wall hydrants
  - Exposed 2-way ..... 847
- Wall plates
  - For concealed 3-way bodies . 845
  - For double clapper ..... 845
- Washers
  - Swivel ..... 767
  - Tail ..... 767
- Wharf hydrants ..... 861
- Wrenches
  - Adjustable
    - Double head ..... 829
    - Hydrant ..... 828, 829
    - Pigtail ..... 829
  - Hydrant ..... 830
    - 5 hole ..... 829
    - Adjustable ..... 828, 829
    - Double head adjustable ..... 829
    - Pigtail adjustable ..... 829
    - Storz ..... 828
  - Spanner ..... 828, 830, 831
    - Folding pocket ..... 828
    - Forestry ..... 830
    - Grip-All ..... 829
    - Hole type ..... 828
    - Long handle suction ..... 830
    - Storz, pin lug ..... 831
    - Universal ..... 828
  - Storz ..... 828, 831
  - Universal ..... 828
- Fire hose
  - Axe ..... 1066
  - Nozzles ..... 779–794
  - Spanner wrenches ..... 372, 828-831
- Flame retardant hose protection ... 1067
- Flange
  - Code 61 / Code 62 hydraulic
    - Split flange kit ..... 566
- Flanged
  - Adapters ..... 170, 171, 964
    - 45° elbow ..... 170
    - Short ..... 170
    - Straight ..... 170

*Flanged (cont.)* Page #
- ANSI ..... 83
- Combination nipple ..... 10, 361
- Dry aviation ..... 104
- Dry disconnect ..... 94
- Dry quick disconnect ..... 99, 100
- External swage fixed ..... 576
- External swage floating ..... 576
- Quick-connect, fittings ..... 378, 379, 383, 384
- Safety break-away ..... 105, 106, 143
- Swivels ..... 132, 136
- Tank truck .. 118, 119, 121, 122, 123, 1025, 1026, 1031, 1032
  - Weld fittings ..... 118
- Tee ..... 1031
- TTMA extensions ..... 119, 134
- Weld adapters ..... 171
- Flanges ..... 624, 704, 956
- 150 Lb. ..... 956, 957
- Adapters ..... 964
- ANSI flat face ..... 957
- ANSI Split ..... 964
- Boss ductile ..... 955
- Floating ..... 956
- Gaskets ..... 122, 957, 1025
- Hydraulic
  - Pipe socket weld ..... 565
- Lap joint ..... 955, 956
- NPT ..... 956
- Slip-on ..... 118, 955, 956, 1031
- Socket weld butterfly valve ..... 952
- Stub end ..... 955
- TTMA ..... 10
- Weld neck ..... 957
- Flare fittings ..... 984, 985, 986
- 37° ..... 543–549, 555, 556
- Connectors ..... 984
- Elbows ..... 545, 546, 547, 985, 986
- Nuts ..... 548, 549, 986
- Tees ..... 986
- Unions ..... 985
- Flareless bite fittings ..... 557, 558, 559, 987, 988, 989
- Adapters ..... 557, 558, 987, 988
- Elbows ..... 558, 559, 988, 989
- Ferrules ..... 559, 989
- JIC ..... 557, 987
  - 37° ..... 557
- Nuts ..... 559, 989
- Tees ..... 559, 989
- Unions ..... 558, 988
- Flat face fittings ..... 539, 540
- FloMax connectors
- 3/4" series ..... 117
- Diesel fueling system . 109, 110, 111
- Fuel vent ..... 109, 110, 111, 112
- Gravity fill receiver ..... 112
- High flow 1" series ..... 117
- R series ..... 109, 115, 116
- Service box ..... 112
- Standard ..... 109, 113, 114
- Flow control


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*Flow Control (cont.)* Page #
- Series MV metering valves 560, 904
- Series N valves ..... 276, 560, 905

Flow control valves
- Legris ..... 253, 254

Food grade anti-seize ..... 1058
Foot valves ..... 391
- Assemblies ..... 391
- Seat plates ..... 391

Frac fittings ..... 165, 166
- Caps ..... 169
- Complete assembly ..... 165
- Female ..... 165
- Ferrules ..... 166
- Flange adapters
  - 45° elbow ..... 170
  - Short ..... 170
  - Straight ..... 170
- Male ..... 166
- O-rings ..... 166
- Plugs ..... 169
- Union nuts
  - One-piece ..... 167

FRLs (Filters, Regulators, Lubricators)
- Accessories ..... 312, 313, 314, 315, 333–338, 343, 344
- Carded ..... 317, 1084
- Combination units ..... 291, 306, 307, 308, 309, 319, 332
- Filter/regulator ..... 2, 289, 290, 317, 318, 326, 327, 328, 1084
- Filters . 265, 317, 318, 319, 320, 321, 322, 327, 328, 332, 334, 1084
- Lubricators . 317, 318, 319, 328, 329, 330, 331, 332, 333, 336, 1084
- Regulators .....2, 317, 318, 319, 323, 324, 325, 326, 327, 328, 332, 1084
- Series 1 ..... 2, 272, 317–338, 1084
  - Metal bowl and sight glass . 319, 320, 321, 326, 327, 332
  - Transparent bowl . 319, 320, 326, 327, 332
- Watts ... 339, 340, 341, 342, 343, 344
- Wilkerson ..... 288–316

Fuel delivery
- Elbow inlets ..... 1021
- Side seal elbows ..... 1021
- Straight drop ..... 1021

Fuel nozzles ..... 110, 111
Fuel receivers ..... 110, 111

## G

Garden hose
- Adapters ..... 423, 424
- Backflow preventer ..... 417
- Compression bibb faucets ..... 415
- Coupler ..... 415, 416, 422, 1080

*Garden Hose (cont.)* Page #
- Gooseneck ..... 417
- Hex nut with knurl ..... 422
- Hot water rubber reinforced ..... 411
- Lok-on hose fittings ..... 441
  - Caps ..... 445
- Manifold ..... 417
- Marine, camper, patio & pool ..... 411
- Menders ..369, 418, 419, 1010, 1078
- Plugs ..... 415
- Premium rubber ..... 410
- Quick connectors ..... 415, 1078
- Radiator bibb ..... 417
- Round nut with knurl ..... 422
- Rubber vinyl ..... 410, 1081
- Shank fittings ..... 419, 420, 421, 422, 1078
- Spray hose fittings ..... 419
- Top level PVC ..... 411
- Tuff-Lite® ..... 1008, 1009
- Valves ..... 416, 417
- Washers ..... 412, 1011, 1079
- Zinc fittings ..... 418

Gas
- Dry couplings ..... 102
- Natural gas ..... 107
- Regulators ..... 325

Gaskets ..... 943, 957, 967
- Agri-Lock style ..... 381
- Bauer style ..... 386
- Bevel Seat
  - nitrile rubber, flat style ..... 682
  - nitrile rubber ..... 682
  - EPDM ..... 682
  - FKM ..... 682
  - PTFE ..... 683
  - Silicone - white ..... 683
- Cam & groove ..28, 68, 69, 70, 71, 72, 1030
- Clamp
  - nitrile rubber - black ..... 674
  - nitrile rubber - white ..... 674
  - EPDM ..... 674
  - FKM ..... 675
  - Flanged ..... 677
  - Metal and x-ray detectable ... 676
  - orifice ..... 680
  - PTFE ..... 675
  - silicone - clear ..... 675
  - silicone - white ..... 675
- European
  - DIN nitrile rubber ..... 688, 689
  - RJT nitrile rubber ..... 688, 689
  - SMS nitrile rubber ..... 688, 689
- Flange ..... 624, 629
- Foot valve ..... 391
- Holedall® ..... 586
- I-Line
  - nitrile rubber ..... 684
  - EPDM ..... 684
  - FKM ..... 684
- John Perry
  - EPDM ..... 686

*Gaskets (cont.)* Page #
- Pipe ..... 671, 672
- Q-Line
  - nitrile rubber ..... 685
- Railroad tank car ..... 127
- Sand blast ..... 187
- Shank couplings ..... 377
- Tank truck
  - Tansport ..... 1037
  - TTMA ..... 122, 1025
- Technical Information
  - Identification ..... 673
  - Packing and storing ..... 673
  - Sizing guide ..... 691–692, 1142–1143

Gauges ..... 1062
- Compound ..... 350
- Contractor pressure ..... 349
- Digital ..... 354
- Dry
  - ABS standard ..... 345, 1088
  - Brass standard ..... 347
  - Flutter Guard™ ..... 348
  - Stainless steel ..... 346
- Line test ..... 1062
- Liquid filled
  - ABS case ..... 351
  - Brass ..... 353
  - Stainless steel ..... 351, 352
- Panel builder ..... 349
- PITOT ..... 1062
- Pressure gauges
  - Homogenizer ..... 709
  - Pharmaceutical ..... 708
  - Sanitary ..... 705–708
- Pressure transmitters ..... 711
- Process ..... 347
- RTDs (temperature) ..... 711
- Sprinkler system ..... 1062
- Steam siphons ..... 354
- Three way ..... 1062
- Tire inflator chuck ..... 284, 1085
- Tire pressure
  - Dual foot ..... 284, 1085
  - Heavy duty ..... 284, 1085
  - Passenger car ..... 284
  - Professional ..... 284, 1085
- Vacuum ..... 350
- Welding ..... 353

Gravity drop adapters ..... 1029
- Dust caps ..... 1030

Grease whip ..... 456, 457
- Hose assemblies ..... 456
- Hose fittings ..... 456
  - Zerk ..... 457
    - Retail packaged ..... 457

Grip-L couplings ..... 953
Grooved fittings ..... 962, 965
- Accessories ..... 968
- Clamps ..... 962
- End caps ..... 966
- Gaskets ..... 967
- Lightweight ..... 960

*Grooved Fittings (cont.)* Page #
- Quick release ..... 958
- Rigid ..... 961
- Series 45 ..... 965
- Series 90 ..... 965
- Series AN ..... 966
- Series BE ..... 966
- Series EC ..... 966
- Series FA ..... 964
- Series RA ..... 964
- Series SF ..... 964
- Series T ..... 963, 965
- Standard ..... 959

Grooved nipples ..... 966
Grooved stem style ext. crimp ferrule ... 13–14
Grooved valves ..... 966
Groove lube ..... 968
Ground joint
- Fittings ..... 163

GSM Ball-joint armored ..... 1018, 1070


## H


Hammer unions ..... 168, 947, 948, 949
- Caps ..... 169
- One-piece nut ..... 167
- Plugs ..... 169
- Two-piece nut ..... 167

Handles, cam & groove .... 31, 66, 67, 76, 80, 83, 178
Hangers
- Pipe Hangers
  - Block ..... 668, 669, 670
  - Hex with sleeves ..... 667
  - Polypropylene sleeves ..... 667
  - Rubber grommets ..... 667
- Tube block hangers ..... 701, 702
- Tube hex hangers ..... 696–697, 703
  - Replacement grommets ..... 698
  - Replacement nuts and bolts 698

Hex bushings ..... 923, 924
Hex manifolds ..... 267
Hex nipples ..... 365, 951
Holedall®
- Couplings ..... 577, 579, 582, 584
- DIN external crimp stem ..... 591
- Dubl-Grip re-attachable ..... 587
- Expander machine ..... 586
- Female end ..... 577
- Ferrules ..... 578, 579, 581, 583, 585, 590, 593
- Flanged assemblies ..... 576
- Pump ..... 586
- Sanitary crimp style ..... 11, 591, 592
- Sanitary (IX) style ..... 588, 589, 590
- Stems
  - External swage ..... 575, 576, 577

*Holedall (cont.)* Page #
- Swaging machines ..... 572
- Washers ..... 586

Hookie - hook hose lifter ..... 949
Hose
- Air ..... 282, 1088
- Air, self-storing ..... 282, 283, 1088
  - Coil-chief ..... 282, 1088
    - Assembly kits ..... 282
    - Bulk hose ..... 282
- Braided rubber ..... 409
- Bumper stops ..... 287
- Crimper ..... 436, 437
- Cutters ..... 1003
- Diameter tape ..... 1064

- Fittings, barbed ..... 191, 192, 195, 198, 200, 201, 202, 203, 204, 205, 208, 209, 210, 211, 212, 213, 216, 217, 218, 219, 221, 222, 223, 224, 227, 368, 426, 427, 428, 429, 430, 431, 432, 438, 439, 440, 441, 442, 443, 444, 1005, 1006, 1009, 1085
- Flexogen® ..... 410
- Garden ..... 410, 411, 1081
- GSM Ball-Joint Armored 1018, 1070
- Hot water reinforced ..... 411
- Hot water washdown ..... 411
- Knife ..... 1064
- Mallet ..... 1064
- Menders ..... 160, 367, 368, 369, 419, 428, 440, 1007, 1010, 1078
- Mill ..... 759, 760, 761, 762
  - Synthetic double jacket ..... 762
  - Synthetic single jacket 759, 760, 761
- Nitrile ..... 763, 764, 765
- Nominal smooth bore ..... 1013
- Pressure washer ..... 409
- Protection
  - Sleeves, sleeving ..... 1069
  - Spiral ..... 1067
  - Spring guard ..... 1018, 1070
- Reels ..... 286, 287, 409
  - Adjustable bumper stops ..... 287
- Room equipment ..... 1064
- Spiral
  - Flame retardant ..... 1067
  - Standard ..... 1067
- Splicer ..... 447
- Spray couplings ..... 376, 377, 419
- Spring ..... 238
- Spud ..... 160
- Swivels .... 184, 227, 285, 1044, 1045
  - Heavy duty ..... 1044
  - Hose shank ..... 1044
  - MannTek ..... 1044
  - Single plane ..... 1045
- True ID, open pitch ..... 1016
- True ID, smooth bore ..... 1016
- Washdown . 410, 411, 763, 764, 765, 1081, 411

Page #

Hose assemblies
- GSM ball-joint armored .. 1018, 1070
- Whip ..... 1101

Hose assembly tool ..... 445
Hose lifter ..... 949
Hydraulic
- AG-series 492, 493, 510, 1091, 1092, 1093
- BSPP fittings ..... 556
- Clamps ..... 568
- CM-series ..... 535, 536, 537, 538
- Code 61 / 62 flanges .. 564, 565, 566
- Couplings ..... 399, 400, 401
- CVV-series ..... 529, 530
- EA-series ..... 534

- Elbows 542, 543, 545, 546, 547, 549, 550, 551, 553, 556
- E-series ..... 399, 400, 401, 531, 532, 533, 1073
- Filter ..... 568
- Flat face fittings ..... 539, 540
- H-BOP-series ..... 488
- H-series ..... 481–487
- HS-series ..... 489
- HTE-series ..... 509
- HT-series .... 504, 505, 506, 507, 508, 1091
- HTZ-series ..... 510
- JIC fittings .. 541, 543, 544, 545, 546, 547, 548, 549, 550, 555, 556, 557, 566, 950
- K-series ..... 490, 491
- Metric fittings ..... 555
- NPTF fittings ..... 551, 552, 553, 554, 555, 556, 557
- PD-series ..... 515
- Return line ..... 567
- ST-series ..... 512, 513, 514
- TD-series ..... 530
- TR-series ..... 503
- T-series ..... 527, 528
- Valves
  - High pressure ball ..... 561, 897
- VEP-BOP series ..... 519
- VEP-series ..... 516, 517, 518, 519
- V-series ..... 494–502
- Weld end metal hose fittings .... 550, 950
- WS-BOP series ..... 526
- W-series ..... 520, 521, 522
- WS-series ..... 523, 524, 525
- XK-series ..... 511


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Page #

## I

I-Line fittings
Adapters
Female ..... 642
Male ..... 642
Caps, solid end
Female ..... 641
Male ..... 641
Clamps
Bolted ..... 637
Heavy duty ..... 637
Single pin ..... 637
Squeeze ..... 637
Elbows
Female
90° ..... 640
Female x male
90° ..... 640
Male
90° ..... 640
Ferrules
Female
Heavy wall tank ..... 639
Long weld ..... 639
Short weld ..... 639
Male
Heavy wall tank ..... 638
Long weld ..... 638
Short weld ..... 638
Gaskets ..... 684, 685
Industrial
Blow gun ..... 283
Internally expanded fittings ..... 581
Quick connects ...214, 215, 216, 217, 218, 219, 220
Safety break-away ..... 106, 143
In-line ..... 254
Check valves ..... 255
Desiccant dryers ..... 273, 297
Filter
Air ..... 268, 269, 272
Mini ..... 272
Filters
Disposable ..... 269
Flow control ..... 253, 254
Lubricators ..... 268, 269, 1100
Swivels ..... 285
In-line sight glass ..... 65
Inserts
Abrasion resistant ..... 73
Instrumentation
Digital thermometers ..... 710
Instrumentation fittings ...974, 975, 976, 977
Interlocking clamps ..... 161, 162, 185, 1096, 1097
Intermodal ..... 1038

Page #

## J

Jax food grade penetrating oil ..... 1057
JIC fittings 432, 442, 443, 544, 545, 546, 547, 548, 549, 555, 556, 557, 566
John Perry fittings
End caps ..... 645
Ferrules
Plain long ..... 644
Plain short ..... 644
Threaded long ..... 644
Threaded short ..... 644
Gaskets ..... 686, 687
Hex Nuts ..... 643
Wrenches ..... 643
Single side ..... 643
Two sided ..... 643

## K

King ..... 172, 173
Cables ..... 261, 263, 1099
Straps ..... 262
Cam & groove ..... 7
Adapters ..... 8
Couplers ..... 6, 7, 27
Combination nipples ....9, 10, 11, 12, 173, 358, 359, 360, 361, 363
Global ..... 360
Jump size ..... 360
Sleeves ..... 364
Crimp style
150# ASA fixed (welded) flange . 10
Adapters ..... 8
Combination nipples ... 9, 11, 173
EZLink® armless ..... 27
Ferrules ..... 13, 14
Global cam & groove ..... 7
Nipples for floating flanges .... 10
Sanitary ..... 11, 591
Short frac ferrules ..... 11, 166
Sleeves ..... 15, 16, 172, 364
TTMA flange x King Crimp® .... 10
Ferrules ..... 13, 14
Frac ..... 166
Heavy duty ..... 12, 173
Flanged ..... 10, 361
Nipples for floating flange ..... 10
Frac ..... 173
Hose menders ..... 368
PF shank ..... 363
Plastic pipe ..... 361
Shank couplings ..... 370, 371, 372
Sleeves ..... 15, 16
Large ..... 172
Short ..... 17
Steel hex nipples ..... 365
Steel round nipples ..... 365
Whipsocks ..... 263

Page #

## L

Lanyards ..... 74, 186, 1095
Leak detector ..... 1056
Legris fittings ... 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258
Lever external drains ..... 274, 908

Lincoln interchange ..... 208, 214, 225
Line strainers ..... 970
LIQUIfit™ fittings ..... 992, 993, 994, 995
Adapters ..... 994
Connectors ..... 992, 993
Elbows ..... 992, 993, 994, 995
End stops ..... 994
Plugs ..... 994
Reducers ..... 995
Stems ..... 995
Tees ..... 993, 994, 995
Unions ..... 993
Lockable caps ..... 48
Locking ball valves ..... 876, 883
Locking kit, dry disconnect ..... 93
Lok-on fittings ..... 441
Caps ..... 445
Long shank couplings ..... 372, 374, 375, 422
LP
Boss® male stems ..... 160, 568
Gas couplings & adapters .. 971, 972
Caps ..... 973
Dust plugs ..... 973
Gaskets ..... 972
Wrench ..... 972
Lubricants
Air tool ..... 267, 1089, 1100
Anti-freeze ..... 267, 1100
Food grade anti-seize ..... 1058
Groove lube ..... 968
Jax food grade penetrating oil .1057
PurGel Klear ..... 1058
Stainless steel cleaner and polish ... 1058
Lubricators
Accessories ..... 336, 337, 338, 344
Carded ..... 317, 1084
EconOmist®
Compact ..... 303, 304
Standard ..... 304, 305, 306
In-line ..... 268, 269, 1100
Mini ..... 290
Series 1 ..... 317, 318, 328, 329, 330, 331, 1084
Oil-fog ..... 329, 331
Watts ..... 342
Wilkerson .... 290, 303, 304, 305, 306

Page #

## M

Magnetic thermometers ..... 356
Make-a-clamp kit ..... 465
Mallet, hose ..... 1064
Manifolds
  3 in 1 ..... 266, 1087
  Air receiver ..... 263, 264, 265
  Aluminum bar ..... 266
  GHT, 4-valve ..... 417
  Hex, flat ..... 267
  Modular ..... 252
  Regulator ..... 325
Marine grade worm gear clamps .... 461
Mechanical tees ..... 963
Menders ... 160, 367, 368, 369, 418, 419, 428, 440, 1007, 1010, 1078
Merchant couplings ..... 921
Mini
  Ball valves ..... 253
  Carded FRLs ..... 317, 1084
  Combination units ..... 291, 319
  Desiccant dryer ..... 273
  Filter/regulators ..... 289, 290, 318
  Filters ..... 272, 288, 318
  Lubricators ..... 269, 290, 318
  Regulators ... 272, 288, 289, 318, 325
Muffler
  Conical ..... 271
  Exhaust ..... 310
  Speed control ..... 271
  Super quiet ..... 272
Mulconroy ..... 572

## N

Needle valves ..... 273, 909
  Bleed ..... 563, 907
  Block and bleed ..... 563, 907
  Mini ..... 562, 906
  Multiport ..... 562, 906
Nipples
  3500 ..... 226, 1095
  Close ..... 450, 927, 928, 940
  Combination . 9, 10, 11, 12, 358, 359, 360, 361, 363, 383
    Jump size ..... 360
  Filters ..... 269
  Hex ..... 451, 928
    Reducer ..... 452, 928
    Straight ..... 928
  Hex welding ..... 951
  King ..... 358, 359, 360, 361, 363, 365
  Notched turned back ..... 362
  Octagon ..... 951
*Nipples (cont.)* Page #
  Polypropylene ..... 940
Nitrile washdown hose .... 763, 764, 765
Notched
  Cam & groove fittings ..36, 37, 44, 45
  Ferrules ..... 362, 363
  Stems, Holedall® ..... 363
  Turned back nipples ..... 362
Nozzles
  Accessories
    Breakaways ..... 1045
    Multi-plane hose swivels .... 1045
    Single plane hose swivels .. 1045
  Adjust-A-Power ..... 414, 1078
  Automatic shutoff ..... 1049
  Ball ..... 1041
  Big Mouth™ diesel ..... 1047
  Constant flow ..... 414, 1080
    Displays ..... 414, 1080
  Farm and consumer ..... 1048
  Fire ..... 779–793
  FloMax refueling 110, 111, 113–117
  Fog ..... 412, 779–781
  Fuel ..... 1041–1043, 1046–1049
    Cross reference ..... 1048
  Fuel Master™ diesel ..... 1046
  Gravity ..... 1042, 1043
  High flow fueler ..... 1049
  Holders ..... 187
  Hot water washdown, spray ..... 396
  Injector ..... 405
  Lite washdown, spray ..... 396
  Plain hose ..... 414, 1080
  Pressure ..... 1035, 1043
  Pressure washing ..... 402
    Anti-fatigue
      Heavy duty ..... 402
    Lances and extensions ..... 403
      Dual spray lance ..... 403
      Lance belt ..... 404
      Molded grip extensions .... 403, 1076
      Spray lance ..... 403
      Telescoping lance ..... 404
      Vented grip lance ..... 403
    Line strainer ..... 405
    Nozzle holders ..... 408
    Nozzles
      Injector ..... 405
      Quick connect ..... 406, 1074
      Quick connect, multi-pack 406, 1074
      Quick connect, soap ..... 406
      Selection guidelines ..... 407
      Spray chart ..... 407
      Spray, high pressure 406, 1075
      Spray, high pressure soap . 406
      Turbo ..... 408, 1075
      Turbo, inlet filter ..... 408
    Quick couplings
      Fixed plugs ..... 405, 1074
      Swiveling ..... 404, 1074
    Spray guns ..... 402
*Nozzles (cont.)* Page #
  402
    Pressure ..... 402
    Pressure with extension .... 402
  Valves
    Balance release ..... 408
    Safety release ..... 409
    Thermal relief ..... 409
    Unloader ..... 409
  Water broom ..... 408
Sewer ..... 405
Spray ..... 395–398
Sweeper ..... 413, 1078
Tank truck .. 1041, 1042, 1043, 1046, 1047, 1048, 1049
Temperature indicating ..... 398
Twist ..... 413, 1079
Washdown
  Adjust-A-Power ..... 414, 1078
  Constant flow ..... 414
  Elevated temperature ..... 395
  Hot water ..... 396, 413
  Industrial ..... 398
  Insulated ..... 413, 1079
  Lite ..... 396
  Spray ..... 397, 398
    Mini ..... 397
  Sweeper ..... 413, 1078
  Temperature indicating ..... 398
  Twist ..... 413, 1079
  Wand ..... 397
  Water ..... 413
  Water broom ..... 408
Water ..... 413, 1079
  Hot water ..... 413
  Insulated ..... 413, 1079
  Pistol-grip ..... 413
  Power flow ..... 413
  Water, flexible ..... 413
NPT threaded fittings ..... 944, 951
  Gaskets ..... 944
NYFD
  Adapters ..... 841
Nylon fittings ..... 939–942, 994, 1005
Nylon tubing ..... 1001, 1002

## O

Octagonal nipples ..... 951
Octagonal wrench grips ..... 952
Oil removal filter ..... 321
Oil vapor removal filter ..... 322
Open flex 1L couplings ..... 954
Oxy-acetylene
  Adapters ..... 458
  Connecting spuds ..... 458
  Ferrules ..... 458
  Hose couplings ..... 458

Page #

## P

Panel builder gauges ..... 349
Parker Ez-Mate ..... 219
Petroleum fittings, API ..... 584
Phonographic fittings .. 38, 43, 363, 957
Pinch-on clamps
  Double ear ..... 475
  Single ear ..... 475
  Stepless® ear ..... 476
Pin lug ..... 372
  Caps ..... 816, 819
  Hydrant
    Adapters 412, 796, 800, 802, 808, 813, 1079
  Plugs ..... 821
  Spanner wrenches ..... 372
  Swivels ..... 797
  Wrenches ..... 127
Pipe
  Adapters ..... 449, 450, 452, 920, 925, 926, 929, 939
  Bushings .... 449, 923, 924, 925, 939, 1005
  Caps ..... 454, 937, 942
  Couplings ... 552, 939, 953, 954, 959, 960, 961, 969
    Grip-L ..... 953
    Hex ..... 449, 552, 922
    Merchant ..... 921
    Open-Flex 1L ..... 954
    Threaded ..... 921
  Crosses ..... 454, 936, 941
  Elbows 452, 453, 553, 930, 931, 932, 933, 935, 941
  Nipples 450, 451, 452, 551, 926, 927, 928, 940, 951, 966
  Plugs ..... 455, 938, 942, 946
  Rapp-it repair kits ..... 1054
  Tees .... 453, 454, 554, 934, 935, 936, 941
  Threaded bell reducers ..... 919, 920
  Unions ..... 922
Pipe Fittings
  Adapters
    Weld ..... 666
  Caps, solid end ..... 665
  Clamps
    Bolted ..... 664
    Single pin ..... 664
  Ferrules
    Schedule 5 long ..... 665
    Schedule 5 short ..... 664
    Schedule 10 long ..... 665
    Schedule 10 short ..... 664
  Hangers ..... 667, 668, 669, 670
Plugs ..... 97, 99, 102, 103, 1040
  Ball swivel ..... 214
  Bull with tap ..... 946

*Plugs (cont.)* Page #
  Garden hose ..... 415
  Hammer union ..... 169
    Blanking plugs ..... 169
      Low pressure ..... 169
  Hex ..... 455, 543, 555, 938
  Hex head ..... 942
  Hydraulic flat face ..... 540
  Instrumentation ..... 977
  LIQUIfit™ ..... 994
  LP gas ..... 973
  Push-in fittings ..... 251, 258
  Quick-connect .... 202, 216, 221, 223, 225
  Square head ..... 455, 938, 942
Plug wrenches ..... 915
Pneumatic
  Air Chief ARO ..... 223, 224
  Air Chief automotive ..... 221, 222
  Air Chief industrial ..... 215, 216, 217, 218
  Air Chief Lincoln ..... 225
  Air King® ..... 180–186, 1095, 1096
  Air tanks & manifolds ..... 263
  A-series ..... 212, 213
  Bent stem swivel ..... 227
  BR-series ..... 211
  CJ-series ..... 206
  DF-series .... 197, 198, 199, 200, 201, 1086
  Dix-Lock® .. 190, 191, 192, 193, 1095, 1098
  D.O.T. air brake ..... 233
  D-series ..... 198, 199, 200, 201
  Dual-Lock ..... 194, 195, 196
  FRLs ..... 2, 288–338
  F-series ..... 198, 199, 200, 201
  J-series ..... 202, 203, 1086
  L-series ..... 208
  M-series ..... 204, 205, 1086
  Mufflers & vents ..... 272
  NK-series ..... 210
  N-series ..... 190, 191, 192, 193
  P-series ..... 194, 195, 196
  Sand blast ..... 187
  SHD-series ..... 207, 208
  Surelock™ ..... 188, 189
  U-series ..... 209
  Valves
    Legris ..... 253, 254, 255
    Wilkerson lockout ..... 311
Polyethylene tubing ..... 1001
Polypropylene
  Bolted fittings ..... 944
  Cam & groove ..... 86–89
  Pipe fittings ..... 939–942
Polyurethane
  Air hose ..... 283, 1088
  Tubing ..... 1001, 1002
Pressure guns ..... 402, 404
Probes
  ADS Spillguard ..... 147
Process gauges ..... 347

Page #
Protection Covers
  Clamp ..... 613
  Weld End ..... 624, 628
PTFE
  Gaskets ..... 1037
  Hose ..... 1013
    Nominal smooth bore ..... 1013
    True ID ..... 1016
      Heavy wall smooth bore .. 1016
      Open pitch convoluted .... 1016
PTFE hose fittings ..... 1015
  Insertion tool and dies ..... 1015
  Nominal fittings ..... 1014
  Nominal smooth bore ..... 1015
Pump adapters ..... 925
Pumps ..... 1060
  Hand hydrotest ..... 1060
  Hydrostatic
    Accessories ..... 1061
  Hydrostatic test ..... 1060
PurGel Klear ..... 1058
Push-in fittings
  Brass ..... 240, 241, 242, 243
  D.O.T ..... 228, 229
  Legris ..... 252, 256, 257, 258
    D.O.T. ..... 230, 231, 232, 233
    Kit ..... 252
    Modular manifolds ..... 252
    Nickel-plated brass 246, 247, 252
    Nylon ..... 251, 257
    Nylon/nickel-plated brass .... 248, 249, 250, 252
    Stainless steel ..... 244, 245
Push-loc fittings ..... 201, 203, 205
Push-on fittings 216, 217, 221, 222, 223, 224, 369, 438, 439, 440, 441, 442, 443, 444, 445, 1010
Push to connect fittings ..... 990, 991
PVC tubing ..... 999, 1000

## Q

Q-Line fittings
  Caps, solid end ..... 641
  Clamps
    Bolted ..... 637
    Single pin ..... 637
    Squeeze ..... 637
  Ferrules ..... 640
  Gaskets ..... 685
Quick-acting couplings ... 181, 183, 188, 190–196, 1098
Quick connect
  Garden hose ..... 415
Quick disconnects
  Hydraulic
    AG-series ..... 492–493

*Quick Disconnects (cont.)* Page #
- H-series ..... 481–487
- HS-series ..... 489
- HT-series ..... 504–508
- HTE-series ..... 509
- HTZ-series ..... 510
- K-series ..... 490, 491
- PD-series ..... 515
- ST-series ..... 512–514
- TR-series ..... 503
- VEP-series ..... 516, 517, 518
- VEP-BOP-series ..... 519
- V-series ..... 494–502
- W-series ..... 520–522
- WS-series ..... 523–525
- WS-BOP-series ..... 526
- XK-series ..... 511

Pneumatic
- Air Chief
  - ARO ..... 223, 224
  - Automotive ..... 221, 222
  - Industrial .... 215, 216, 217, 218
  - Lincoln ..... 225
- A-series ..... 212, 213
- BR-series ..... 211
- CJ-series ..... 206
- DF-series 197, 198, 199, 200, 201, 1086
- J-series ..... 202, 203, 1086
- Legris ..... 220
- L-series ..... 208
- M-series ..... 204, 205, 1086
- NK-series ..... 210
- N-series 190, 191, 192, 193, 1098
- Parker E-z-mate ..... 219
- P-series ..... 194, 195, 196
- SHD-series ..... 207, 208
- U-series ..... 209

Quick release couplings ..... 958

## R

Rack monitor
- Overfill protection ..... 141

Racks
- Worm gear clamp ..... 464

Radiator bibb ..... 417

Railcar unloading assemblies 119, 123, 124, 125, 126, 127, 1026, 1032

Railroad tank car
- Fittings ..... 124–126
- Gaskets ..... 127

Rapp-it Pipe Repair Kit ..... 1054

Receivers
- FloMax refueling 113, 114, 115, 116, 117

Reducers
- Bevel seat concentric ..... 635

*Reducers (cont.)* Page #
- Clamp x clamp eccentric .... 659, 663
- Clamp x weld concentric .... 660, 661
- Clamp x weld eccentric ..... 660, 663
- Combination nipples ..... 360
- Hex bushings ..... 449, 551, 923, 924, 925
- Instrumentation ..... 975
- Tuff-Lite® ..... 1005
- Weld x weld concentric ..... 658, 661
- Weld x weld eccentric ..... 659, 662

Reels
- Hand crank ..... 409
- Reelcraft® hose ..... 286, 287
- Reelcraft® static discharge ..... 140, 1027

Regulators
- Accessories 314, 315, 316, 335, 344
- Carded ..... 317, 1084
- Dial air ..... 297
- Gas ..... 325
- High flow ..... 300, 301
- High pressure ..... 298, 299
- Manifold ..... 325
- Mini general purpose ..... 272
- Mini water ..... 289, 325
- Series 1 ..... 317, 318, 323, 324, 325, 326, 1084
- Water ..... 326
- Watts ..... 340, 341
- Wilkerson ... 288, 289, 297, 298, 299, 300, 301

Replacement handles
- Cam & groove ..... 67, 83

## S

SAE ...431, 432, 441–444, 460, 463, 465, 539, 541–543, 561, 567, 897, 1014, 1081

Safety
- Blow gun ..... 277, 278, 1087
- Break-away couplings 105, 106, 143
- Cables ..... 261, 263, 1099
  - Shackles ..... 263
- Check valves ..... 270, 910, 1099
- Clips and lanyards ..73, 83, 186, 386, 1095
- Information .1104, 1105, 1106, 1107
- Legris industrial coupler ..... 220
- Locking pin ..... 186, 189
- Pop-off valves ..... 275, 911, 1095
- Shut-off valve ..... 314
- Tape and tag ..... 1065
- Vented ball valves ..... 877, 1101
- Vent-Lock® .29, 30, 31, 176, 177, 178
- Whipsocks ..... 263
  - Shackles ..... 263

Sand blast couplings ..... 187

Page #

Sanitary
- Adapters ..... 608
  - Bevel seat ..... 636
  - Clamp ..... 609–611
  - European ..... 646, 647
  - I-Line/Q-Line ..... 642
  - Pipe size ..... 666
  - Weld ..... 622, 666
- Bevel seat fittings ..... 630–636
- BioPharm fittings ..... 649, 651–663
- Breakaway coupling
  - Bevel seat ..... 721
- Breakaway coupling - clamp ..... 721
- Butterfly valves ..... 738–742
  - Replacement seats ..... 742
- Caps
  - Acrylic sight glass ..... 723
  - Clamp fittings ..... 607
  - End . 621, 636, 641, 645, 665, 723
  - European fittings ... 646, 647, 648
  - I-line ..... 641
  - John Perry ..... 645
  - Q-line ..... 641
  - Thermometer ..... 607
- Check valves ..... 743–746
- Clamp fittings ... 600–607, 609–611
  - Crosses ..... 612
  - Elbows
    - 180° return bends ..... 612
  - Laterals ..... 612
  - Reducers, concentric ..... 620
  - Sweep elbows ..... 603
  - True wyes ..... 612
- Clamps
  - Accessories
    - Bolt, hex head ..... 599
    - Brass hex nuts ..... 599
    - Cross hole wing nut ..... 599
    - Eye bolt ..... 599
    - Hex wing nut ..... 599
    - Mini cross hole wing nut ... 599
    - Nuts ..... 598
    - Rivet pin ..... 599
    - Serrated wing nut ..... 599
    - Stainless steel hex nut ..... 599
  - Bolted ..... 597
  - Dairy ..... 598
  - Double pin ..... 597
  - I-line / Q-line ..... 637
  - Pipe fittings ..... 664
  - Single pin heavy duty ..... 596
  - Single pin squeeze ..... 596
  - Single pin w/ cross hole ..... 596
  - Single pin w/ hex nut ..... 596
  - Single pin w/ serrated nut .... 596
  - T-bolt ..... 598
  - Three segment ..... 597
  - Toggle ..... 597
- Clever clamp ..... 595
- Crimp style ..... 592
- Elbows
  - 45° ..... 602, 615, 616, 634

*Sanitary (cont.)* Page #

180° return bends ..... 612
European fittings 646, 647, 648, 688
RJT BS: 4825 fittings ..... 648
Ferrules
Bevel seat ..... 631, 632, 633, 636
Clamp fittings ..... 600, 601
I-line ..... 638, 639
Pipe fittings ..... 664, 665
Q-line ..... 640
Filter ..... 727, 728, 729, 730, 731
Flanges ..... 624, 704
Gaskets
Bevel seat ..... 682, 683
Clamp .... 674, 675, 676, 677, 678, 679, 680, 681, 690, 691, 692
European ..... 688, 689
I-line ..... 684, 685
John Perry ..... 686, 687
Pipe fitting ..... 671, 672
Gauges ..... 705–709
Hangers ..... 667, 668, 669, 670, 696, 697, 698, 699, 700, 701, 702, 703
I-line fittings 637, 638, 639, 640, 641, 642
John Perry .. 643, 644, 645, 673, 686, 687, 723
Laterals, wyes, crosses, bends, and flanges ..... 612, 613, 623, 624
Pipe fittings . 664, 665, 666, 671, 672
Protection covers
Clamp end ..... 613
Weld end ..... 628
Q-line fittings ..... 637, 640, 641
Reducers .... 605, 606, 620, 621, 627, 635, 658, 659, 660, 661, 662, 663
RTDs and temperature transmitters 711
Sight glass ..... 723, 724
Acrylic end caps ..... , 723
Compact ..... 724
Replacement glass ..... 724
Seal kit..... 724
HSG hygienic ..... 725
In-line ..... 723
Replacement glass ..... 723
Seal kit ..... 723
Sight glass end caps ..... 723
Spools ..... 614
Spray balls
Rotating ..... 722
Stationary ..... 722
Strainers ..... 732, 733, 734
Filters ..... 733
In-line ..... 732
Mesh over screens ..... 734
Side-entry ..... 732
Side-outlet reverse ..... 732
Swivels
Straight swivel clamp ..... 726
Straight weld connection ..... 726
Tanker valve ..... 735
Thermometers ..... 710

*Sanitary (cont.)* Page #

Tube hangers
Sleeves ..... 700
Tubing ..... 693, 694, 695
Unpolished fittings .... 625, 626, 627, 628, 629, 693, 694
Vacuum fittings . 712, 713, 714, 715, 716, 717, 718, 719, 720
Valves
3A sample ..... 749
Accessories, actuated ..... 894
Limit switches ..... 894
Positioners ..... 894
Solenoids ..... 894
Air blow check, repair kits ..... 745
Air relief ..... 746
Ball
Check ..... 744
Electrically actuated . 885, 886, 887
Electrically actuated, 2-piece .. 885
Electrically actuated, 3-piece .. 885
Electrically actuated, 3-way .... 887
Encapsulated ..... 736
Flow options / patterns ..... 893
Multi-port ..... 893
Non-encapsulated ..... 737
Pneumatically actuated ... 888, 889, 890, 891
Pneumatically actuated, 2-piece ..... 888
Pneumatically actuated, 3-piece ..... 888
Butterfly . 738, 739, 740, 741, 742
Repair kits ..... 740, 741
Wafer, pneumatically actuated 892
Check
Air Blow ..... 745
Y Ball ..... 744
Spring check ..... 743
Tanker ..... 735
Tank vent ..... 747, 748
Weld fittings ..... 600, 601, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 631, 632, 638, 639, 640, 644, 649, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 668, 670, 701, 703, 713, 717, 718, 719, 742, 749
Sanitary crimp fittings
Ferrule, 304 stainless ..... 593
Sanitary (IX) fittings
Ferrule, flow chief ..... 590
Hex nuts ..... 589
Plugs ..... 588
Stems
Bevel seat ..... 589
Clamp end ..... 588

*Sanitary (IX) fittings (cont.)* Page #

Tube weld end ..... 588
Screw pitch gauge ..... 1064
Sealant ..... 1056
Joint ..... 1056
Thread ..... 1056
Security chains ..... 72
Self-storing air hose ..... 282, 283, 1088
Series 1 FRLs ..... 272, 317–338, 1084
Set screw buckles ..... 472
Shackles ..... 263
Tectite™ push to connect fittings ... 990, 991
Connectors ..... 990
Couplings ..... 990, 991
Disconnect clips ..... 991
Elbows ..... 991
End stops ..... 991
Tees ..... 991
Short shanks ... 368, 370, 371, 373, 421, 1005, 1008
Shut-off
Valves ..... 913
Sight flow indicators ..... 122, 123, 1025, 1026
Flanged acrylic sight flow indicators 123, 1026
Flanged short sight flow indicators 122
Repair kits ..... 123, 1026
TTMA pattern ..... 123, 1026
Sight glasses ..... 723, 724, 725, 723
Replacement glass ..... 724
Single bolt clamps ..... 478
Skimmers ..... 390
Round hole ..... 390
Sleeves ....15, 16, 17, 172, 237, 239, 364, 982
Spanner wrenches ..... 372
Speed control mufflers ..... 271
Spiral
Hose and cable protection ..... 1067
Hose clamps ..... 479
Clockwise ..... 479
Counter clockwise ..... 479
Spool adapters & couplers
Cam & groove ..... 81
Spools
Sanitary ..... 614
Spray balls ..... 722
Spray hose
Couplings ..... 376, 419
Spring Guard ..... 1018, 1070
Spring return handle ball valves ..... 876, 884
Sprinkler
Line tester ..... 1062
System gauge ..... 1062
Spuds
Boss®
Double ..... 155, 158, 163
Female .153, 154, 157, 163, 1097
Hose shank ..... 160

Page #

Squeeze Lok™ hose assembly tool .445
Stainless steel
Boss®
Clamps .....161
Ground joint .....153
Male stem .....159, 160
Connections
Siamese .....841
Dry disconnect .....99
Dry quick disconnect ..... 93, 94, 100
Ferrules .....448, 579
Gate valves .....900
Gauges .....346, 349, 352
GHT adapters .....420, 423, 424
Inserts .....238
Menders .....367
Notched shank cam & groove 36, 37, 44, 45
Push-in .....244, 245
Snoots .....841
Strainers .....389
Swaged fittings ..... 39, 44
Thermometers .....355
Stainless steel cleaner and polish 1058
Steam
Gauge siphon .....354
Hose couplings .....101
Valve, 250 Lb. .....877
Stems
Bent swivel .....227
External swage ...363, 575, 576, 577
Ground joint .....153
Ground joint air hammer .....163
Holedall® DIN external crimp .....591
Internal expansion .....580, 581
King combination .....358, 359, 360, 361, 363, 364
LP Boss® .....160
Reusable brass .....446, 447, 448
Sanitary style .....588, 589, 591, 592
Washer seal .....157
Strainers .....389, 390, 391
Disk .....72
Polypropylene .....389
Round hole .....389
Sanitary .....732, 733, 734
Square hole .....389
T line .....970
Witches hat .....72
with spring loaded check valves 914
Y Line .....970
Straps
King Cable® .....262
Straub pipe couplings .....953, 954
Stretch strap .....1066
Suction hose couplings ...370, 371, 377
Boss® LPS .....166
Super King shank couplings .....372
Surelock™ quick acting couplings ...188, 189
Swaged fittings 155, 574, 575, 576, 577, 578, 579

Page #

Swivel connectors
Ball .....395
Straight .....395
Swivels .....539, 540, 542, 587, 1014
37° .....545, 546
Air King® .....184
Air tool .....285
Angled .....227
Angled industrial plugs .....214
Ball, with Air Chief plugs .....214
Ball, with hose barb .....285
Bent stem .....227
Connectors for spray gun .....395
Diesel fuel .....112
Dubl-grip reattachables .....587
Hose .....1044, 1045
Hose barb ....426, 428, 431, 432, 438, 440, 441, 442, 443, 444
In-line .....285
JIC .....1016
Joints .....128, 129, 130, 131
Loading arm .....133, 135
Multi-plane hose .....1045
Push-in fittings ...228, 229, 242, 243
Sanitary .....726
Single plane hose .....1045
Stems .....447

## T

Tag, hose assembly .....1065
Tank car
Fittings, railroad ..119, 123, 124, 125, 126, 127, 1026, 1032
Gaskets .....127
Wrenches .....127
Tanker valve .....735
Tank transport equipment
Pipe caps .....1037
Reducers .....1037
Reducing cap .....1037
Tank truck
Breakaways .....1045
Coupler x round flange .....119, 1032
Diesel nozzles .....1046
Drop elbows 1020, 1022, 1023, 1024
Elbows ..... 1020, 1021, 1022, 1023, 1024
Flanged tee .....1031
Gaskets .....122, 1025
Nozzle accessories, fuel 1043, 1045
Nozzles ..... 1041, 1042, 1043, 1046, 1047, 1048, 1049
Straight drop fuel delivery .....1021
Swivels .....130, 133
Split flange .....136
Split flange components .....136

*Tank Truck (cont.)* Page #

Bearing pack .....136
Nose piece .....136
Seal kits .....136
Tank cabinet "Dummy" weld-on 1022
Tight fill inlet end .....1024
TTMA flange extensions ....119, 134
Reducing spools .....134
Vapor recovery 120, 121, 1033, 1034
Tank truck equipment
Handle kit .....137
Intermodal tank transport .....1038
Tank transport .....1037
TTMA flange extensions ..119, 1032
Tape .....1055, 1065
Diameter .....1064
PTFE tape .....1055
Safety .....1065
T-Bolt clamps .....466, 467, 468
Technical Data
Fraction - Decimal Conversion Chart 1115
Temperature Conversions .....1117
Tees .....543
Air brake .....237
BioPharm fittings
Clamp x clamp x clamp .....654
Clamp x clamp x clamp instrument .....657
Clamp x clamp x clamp reducing 655
Clamp x clamp x clamp short outlet .....656
Clamp x Clamp x clamp short outlet reducing .....657
Weld x weld x clamp .....654
Weld x weld x clamp instrument . 657
Weld x weld x clamp short outlet 655
Weld x weld x clamp short outlet reducing .....656
Weld x weld x weld .....653
Weld x weld x weld reducing 653
Bull head .....935
Clamp fittings .....604
Compression .....981, 982
Female reducing .....935
Female threaded .....934
Flare .....986
Hydraulic .....540, 547
Flat face .....540
NPTF .....554
ORB fittings .....541, 542, 543
Instrumentation .....976
LIQUIfit™ .....993, 994, 995
Mechanical .....963
Push-in 229, 232, 233, 242, 245, 247, 251, 252, 257, 258
Sched. 80 polypropylene .....941
Side outlet .....935
Splicers .....430
Street service .....935

*Tees (cont.)* Page #
- Tuff-Lite® ....1007
- Weld fittings ....618, 619

Test plugs and caps ....1061
Test pumps ....1060
- Accessories ....1061
- Electric ....1060
- Pneumatic ....1060

Thermometers ....710
- Bi-metal ....355, 356
- Magnetic ....356
- Thermowells ....356

Thermowells, stainless threaded ....356
Thor style fittings ....194, 195, 196
Thread
- Sealant ....1056
- Tape ....1055

Threaded
- Caps ....937, 942
- Elbows ....930, 941
- Sch80 polypropylene . 939, 940, 941, 942
- Tees ....934, 935
- Unions ....922

Threaded fittings
- Reducer hex bushings ..... 449, 923, 924, 925

Tight fill couplers and adapters .....1020
Tire
- Pressure gauges ....284, 1085

T line strainers ....970
Tools
- Air lubricants .....267, 1089, 1100
- Band clamp
  - Adapter ....473
  - Cutter ....474
  - Hand tool ....473, 474
  - Jack type ....472, 473
  - Mallet ....474
  - Screw type ....472
- Brass ferrule crimper ..435, 436, 437
  - Dies ....434, 436, 437
- Hose assembly ....445
- Hose cutters ....1003
- Mallet ....1064
- Pinch-on clamps
  - Side jaw ....476
  - Standard jaw ....476
- Push-on fitting ....445

Topping Gun ....1057
True ID
- Crimp collars ....1017
- Fittings ....1016, 1017
- Hose ....1016

True Seal™
- Elbows ....996
- Tube fittings ....996
- Unions ....997
- Valves ....997

Tube fittings
- Brass SAE 45° flare ....984, 985, 986
- Compression ..... 978, 979, 980, 981, 982, 983

*Tube fit. (cont.)* Page #
- Instrumentation ..974, 975, 976, 977
- LIQUIfit™ fittings .992, 993, 994, 995
- Tectite™ by Apollo® .....990, 991
- TrueSeal™ .....996, 997

Tubing
- 304 Stainless Tube .....693
- 316L Stainless Tube .....693
- ASTM-A269 Unpolished ID / OD 694
- ASTM-A270 Polished ID / OD .... 694, 695
- Braided .....1000
- Cutters .....1003
- D.O.T., air brake .....1000
- Fluoropolymer FEP 140 .....1002
- Nylon .....257, 1001, 1002
- Polyethylene .....1001
- Polyurethane .....1001, 1002
- PVC clear .....999
- Valves .....253, 254, 255

Tuff-Lite® fittings .....366, 369, 939–942, 1004–1008
- Adapters .....1008, 1009

Turned back nipples .....957


## U


Unions
- Air brake .....235, 236, 237
- Bulkhead .....241, 244, 251, 257, 548
- Compression .....979, 981
- Dix Lock™ .....192
- Flare .....547, 985, 986
- Flat face .....539
- Hammer .....167, 168, 947, 948, 949
- Instrumentation .....975, 976
- Male .....452, 929
- Push-in ..... 228, 229, 231–233, 241, 242, 244, 246, 247, 251, 252, 257, 258
- Threaded .....922
- True Seal™ .....997

Uni-range couplings .....577
Universal couplings
- Air King® .....180–186, 1095, 1096
- Sand blast .....187
- Surelock™ .....188, 189

Unpolished weld fittings
- Elbows
  - 45° .....625
  - 90° .....625
  - 180° return bend .....628
- Flange
  - Gaskets .....624, 629
  - Neck .....624
  - Stub end .....629
- Laterals .....628
- Reducers

*Unpolished weld fit. (cont.)* Page #
  - Eccentric .....627
- Tees
  - Long .....626
  - Reducing .....626
  - Short .....626
- True Y .....628


## V


Vacuum fittings .....712–720
Vacuum gauges .....350
Valves
- 3A sample .....749
- 3-way .....561, 897
- 3-way diverting .....881
- 250 lb. steam .....877
- Actuated accessories .....894
- Balance release .....408
- Ball ..... 561, 875–899, 1101
  - 3-Way .....887, 897
  - 150# flanged .....898
  - Electrically actuated .....887
  - Electrically actuated 2-piece 885, 886, 888
  - Electrically actuated 3-piece 885, 888
  - Encapsulated
    - 2-Way 3-piece .....736
  - High pressure .....897
  - Locking handle .....883
  - MannTek full flow ..... 895, 896, 1050, 1051
  - Non-encapsulated
    - 2-way 3-piece .....737
  - Pneumatically Actuated .....
    - 'T / L' Port .....890, 891
    - 2-piece .....888, 889
    - 3-piece .....888
    - 3-way .....890, 891
  - Stainless steel .....882–885
- Ball cone check .....912
- Ball, global .....879
- Ball, mini .....880
- Ball, with nozzle .....899
- Ball, with NPT tap for drain .....877
- Butterfly ..... 174, 892, 902, 903, 966, 1052
  - B5116-series .....742
  - Clamp .....741
  - Clamp end
    - with infinite position handle .... 739
    - with pull handle .....738
    - with trigger handle .....740
  - Wafer
    - Pneumatically actuated ....892
- Wet-R-Dri™ .....902, 1052

*Valves (cont.)* Page #

- Check ... 255, 276, 561, 912, 913, 914
  - 800 PSI stainless steel ..... 913
  - Air blow ..... 745
  - Air relief ..... 746
  - True Seal™ ..... 997
  - Y Ball ..... 744
- Compact polypropylene ..... 899
- Composite mini ball ..... 253
- Compressor Y ..... 267
- Deadman handle ..... 876, 884
- Domestic gate ..... 900
- Dual Y ball ..... 880
- Fire
  - 2-Way ball ..... 863
  - Angle ..... 852, 853, 854, 855, 865, 869
  - Chicago pattern ..... 870
  - Drain ..... 871
  - Drip ..... 864
  - Gate ..... 856, 857, 858, 859, 860
  - Globe ..... 864, 866
  - Piston intake relief ..... 872
  - Pressure reducing ..... 867, 868
  - Pressure restricting ..... 869
  - Sprinkler hose ..... 871
  - Wye ..... 861, 862
- Flanged ..... 898
- Flow control 253, 254, 276, 560, 904, 905
  - Metering ..... 560, 904
- Foot ..... 391
- Garden hose .... 416, 417, 1078, 1080
- Gate ..... 900
- Globe ..... 901
- Grooved end iron butterfly ..... 966
- High pressure ..... 561, 897
  - Zinc ball ..... 561
- High pressure hydraulic ball ..... 561, 897
- In-line check ..... 255
- In-line flow control ..... 253, 254
- Lead free brass ball ..... 879
- Locking handle ..... 876
- Needle
  - Hydraulic
    - Bleed ..... 563, 907
    - Block and bleed ..... 563, 907
    - Mini ..... 562, 906
    - Multiport ..... 562, 906
  - Pneumatic
    - Needle ..... 273, 909
- Polypropylene ..... 898, 899
- Quick exhaust ..... 253
- Safety check ..... 270, 910, 1099
- Safety pop-off ..... 275, 911, 1095
- Safety vented ..... 877, 1101
- Shut-off ..... 314
- Solder end ..... 879
- Spring loaded ..... 913, 914
- Swing check ..... 914
- Tanker ..... 735
- Tank filler ..... 274, 908

*Valves (cont.)* Page #

- Air & vacuum relief ..... 747, 748
- Three way gauge ..... 1062
- True Seal™ ..... 996, 997
- Wafer ..... 903
- Wilkerson lockout ..... 311
- Vapor recovery couplers 120, 121, 1033, 1034
- Repair kits ..... 120, 121
- Velcro® straps ..... 73
- Vent
  - Breather ..... 271
  - Stationary ..... 1036
- Vent-Lock® ..... 29, 30, 31, 176, 177, 178

## W

- Wall flanges ..... 704
- Washdown
  - Nozzles
    - Hot water ..... 396, 413
    - Mini spray ..... 397
    - Spray ..... 397, 398
  - Spray valves ..... 418
    - Hose assembly ..... 418
  - Station ..... 393, 394
    - Hot and cold water mixing ..... 393, 394
    - Rack for mixing ..... 393
    - Steam and cold water mixing ..... 394
    - Water-steam ..... 393
  - Swivel connectors ..... 395
- Washers
  - Air King® ..... 186, 1095
  - Boss® ..... 157, 158
  - Cam & groove ..... 69, 70, 71, 1030
  - Garden hose ..... 412, 1011, 1079
  - Holedall® petroleum ..... 586
  - Suction and shank fittings ..... 377
- Washer type couplings ..... 152
- Water regulators ..... 289, 325
- Watts FRLs ..... 265, 339, 340, 341, 342, 343, 344
- WaveSeal clamps ..... 462
- WD-40 ..... 1063
- Weld end metal hose fittings ..... 550
- Weld fittings
  - Crosses ..... 623
  - Elbows
    - 45° ..... 615
    - 90° ..... 615
    - 180° return bend ..... 623
    - Clamp ..... 616
    - Plain bevel seat ..... 616
    - Sweep ..... 603, 617
    - Threaded bevel seat ..... 616
  - Ferrules

*Weld fit. (cont.)* Page #

- Flanges ..... 624
- Laterals ..... 623
- Reducers
  - Concentric ..... 620
  - Eccentric ..... 621
- Sweep elbows ..... 617
- Tees
  - Clamp x weld ..... 619
  - Long ..... 618
  - Reducing ..... 618
  - Short ..... 618
  - Weld x clamp run x clamp branch 619
- True wyes ..... 623
- Unpolished
  - Elbows
    - 45° ..... 625
    - 90° ..... 625
    - 180° return bends ..... 628
  - Laterals ..... 628
  - Reducers
    - Concentric ..... 627
    - Eccentric ..... 627
  - Tees
    - Long ..... 626
    - Reducing ..... 626
    - Short ..... 626
  - True Wyes ..... 628
  - Type A stub ends ..... 629
- Welding
  - Gauges ..... 353
  - Metal hose fittings ..... 950
  - Nipples ..... 951
- Whip hose ..... 265, 1101
- Whipsocks ..... 263
  - Shackles ..... 263
- Wilkerson FRLs 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316
- Witches hat strainers ..... 72
- Worm gear clamp rack ..... 464
- Worm gear clamps .. 460, 461, 462, 463, 464, 465
  - Marine grade ..... 461
- Wrenches
  - Bevel seat ..... 630
  - European ..... 647, 648
  - John Perry ..... 643
  - Pin lug ..... 127, 372
  - Spanner ..... 372, 972
- Wrench grips ..... 952
- Wyes ..... 250, 251


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Page #

## Y

Y, compressor ..... 267
Y, connectors ..... 233, 258
Y, dual valve ..... 880
Y, garden hose coupler ..... 416, 1080
Y, garden hose valve ..... 416, 1080
Y, GHT ..... 416
Y line strainers ..... 970
Y, unions ..... 233

## Z

Zerk fittings ..... 457

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In the following index, a (•) is used to represent a variable. Therefore, to find AD075EZ or AD400EZ, look for: **AD•••EZ**


| | Page # |
|---|---|
| •AGBF• | 492 |
| •AGBF•-PV | 492 |
| •AGDP | 493 |
| •AGF• | 492, 1091, 1092 |
| •AGF••-PS | 492, 1092 |
| •AGF••-PV | 492, 1092 |
| •AGF••-PV-PS | 492 |
| •AGOF• | 492 |
| •AGOF••-PS | 492 |
| •AGOF••-PV | 492 |
| •AGOF••-PV-PS | 492 |
| •BF416DITF-NBR | 174 |
| •BOP-SKIT | 526 |
| •CM4B••-B | 537 |
| •CM4B••-B-E | 537 |
| •CM4S••-B | 537 |
| •CM4S••-B-E | 537 |
| •CM9B••-B | 538 |
| •CM9B••-B-E | 538 |
| •CM9S••-B | 538 |
| •CM9S••-B-E | 538 |
| •CMB••-B | 536 |
| •CMB••-B-E | 536 |
| •CMF••-B | 536 |
| •CMF••-B-E | 536 |
| •CMPC-B | 538 |
| •CMS••-B | 536 |
| •CMS••-B-E | 536 |
| •CM-SKIT | 538 |
| •CVVBF• | 529 |
| •CVVDP | 530 |
| •CVVF• | 529 |
| •CVVFM•••• | 529 |
| •CVVOF• | 529 |
| •DF••-B | 1086 |
| •EAF• | 534 |
| •EBF••-B | 399, 531 |
| •EF••-B | 399, 531 |
| •EF••-S | 399, 531 |
| •EM••-B | 399, 531 |
| •EM••-S | 399, 531 |
| •ES••-B | 399, 531 |
| •E-SKIT | 401, 533 |
| •FF••-B | 1086 |
| •FM••-B | 1086 |
| •HBF• | 481 |
| •HBF••-S | 481 |
| •HBF••-SS | 481 |
| •H-BRKIT | 487 |
| •HDP-A | 485 |
| •HDP-H•DC | 485 |
| •HF• | 481 |
| •HF••-B | 481 |
| •HF••-BOP | 488 |
| •HF••-S | 481 |
| •HF••-SS | 481 |
| •HF••-SS-BOP | 488 |
| •HOF• | 481 |
| •H-RKIT | 487 |
| •HSBF••-B | 489 |
| •HSBF••-S | 489 |
| •HSF••-B | 489 |
| •HSF••-S | 489 |
| •H-SKIT | 486 |
| •H-SRKIT | 487 |
| •H-SSRKIT | 487 |
| •HTBAND-• | 504 |
| •HTBF• | 505 |
| •HTBF•• | 505 |
| •HTBF••-SS | 505 |
| •HTBF••-SS | 505 |
| •HTDP | 507 |
| •HTF• | 505, 1091 |
| •HTF•• | 505 |
| •HTF••-SS | 505 |
| •HTF••-FS | 507 |
| •HTF••-SS | 505 |
| •HTJB• | 507 |
| •HTM• | 505 |
| •HTOF• | 505, 1091 |
| •HTOF•• | 505 |
| •HTOM• | 505 |
| •HTRB• | 507 |
| •HT-SKIT | 508 |
| •JF••-B | 1086 |
| •KBF• | 490 |
| •KBF••-SS | 490 |
| •KDP-K•DC | 491, 500 |
| •KF• | 490 |
| •KF••-SS | 490 |
| •KOF• | 490 |
| •K-SKIT | 491 |
| •MF••-B | 1086 |
| •PDF• | 515 |
| •PDM• | 515 |
| •SFBP | 136 |
| •SFNPCS | 136 |
| •SFSK-TES | 136 |
| •SFSK-VI | 136 |
| •STBF• | 512 |
| •STBF•• | 512 |
| •STBF••-SS | 512 |
| •STBF••-SS | 512 |
| •ST-BMK | 514 |
| •STDP-A | 514 |
| •STF• | 512 |
| •STF•• | 512 |
| •STF••-SS | 512 |
| •STF••-SS | 512 |
| •STOF• | 512 |
| •STOF•• | 512 |
| •ST-SKIT | 514 |
| •TDDP-A | 530 |
| •TDF••-SS | 530 |
| •TDP | 528 |
| •TDPF•.••-SS | 530 |
| •TM• | 527 |
| •TRBF• | 503 |
| •TRF• | 503 |
| •TR-SKIT | 503 |
| •T-SKIT | 528 |
| •VBF• | 494 |
| •VBF••-B | 494 |
| •VBF••-B-E | 497 |
| •VBF••-E | 497 |
| •VBF••-SS | 494 |
| •VBF••-SS-E | 497 |
| •V-BRKIT | 502 |
| •VDP-A | 500 |
| •VDP-V•DC | 500 |
| •VEPBF• | 516 |
| •VEPDP-A | 517 |
| •VEPF• | 516 |
| •VEPF••-BOP | 519 |
| •VEPFH• | 518 |
| •VEPFP• | 518 |
| •VEPOF• | 516 |
| •VF• | 494 |
| •VF••-B | 494 |
| •VF••-B-E | 497 |
| •VF••-E | 497 |
| •VF••-SS | 494 |
| •VF••-SS-E | 497 |
| •VJM• | 495 |
| •VM• | 495 |
| •VM••-B | 495 |
| •VM••-B-E | 498 |
| •VM••-E | 498 |
| •VOF• | 494 |
| •V-RKIT | 502 |
| •V-SKIT | 501 |
| •V-SSRKIT | 502 |
| •WBF••-B | 520 |
| •WBF••-B-HN | 520 |
| •WDP | 521 |
| •WF••-B | 520 |
| •WF••-B-HN | 520 |
| •W-RKIT-V2 | 522 |
| •WSBF• | 523 |
| •WSBF••-SS | 523 |
| •WSDP-A | 525 |
| •WSF• | 523 |
| •WSF••-BOP | 526 |
| •WSF••-SS | 523 |
| •WSF••-SS-BOP | 526 |
| •WSFH• | 524 |
| •WSFP• | 524 |
| •WSOF• | 523 |
| •WS-RKIT | 525 |
| •WS-SKIT | 525 |
| •.••TDDP-A | 530 |
| ••BOP-SKIT | 526 |
| ••CVVBF•• | 529 |
| ••CVVDP | 530 |
| ••CVVF•• | 529 |
| ••EF••-B | 399, 531 |
| ••EF••-S | 399, 531 |
| ••EM••-B | 399, 531 |
| ••E-SKIT | 401, 533 |
| ••HBF•• | 483 |
| ••HBF••-B | 483 |
| ••HBF••-S | 483 |
| ••HBF••-SS | 483 |
| ••H-BRKIT | 487 |
| ••HDP-A | 485 |
| ••HF•• | 483 |
| ••HF••-B | 483 |
| ••HF••-S | 483 |
| ••HF••-SS | 483 |
| ••HOF•• | 483 |
| ••H-RKIT | 487 |
| ••H-SKIT | 486 |
| ••H-SRKIT | 487 |
| ••H-SSRKIT | 487 |
| ••HTBF•• | 505 |
| ••HTF•• | 505 |
| ••HTOF•• | 505 |
| ••KBF•• | 490 |
| ••KF•• | 490 |

# Part Number Index


| | Page # |
|---|---|
| ••STF•• | 512 |
| ••STOF•• | 512 |
| ••VBF•• | 494 |
| ••VBF••-B | 494 |
| ••VBF••-B-E | 497 |
| ••VBF••-E | 497 |
| ••VBF••-SS | 494 |
| ••VBF••-SS-E | 497 |
| ••VDP-A | 500 |
| ••VEPBF•• | 516 |
| ••VEPDP-A | 517 |
| ••VEPF•• | 516 |
| ••VEPF••-BOP | 519 |
| ••VEPFH•• | 518 |
| ••VEPFP•• | 518 |
| ••VEPOF•• | 516 |
| ••VF•• | 494 |
| ••VF••-B | 494 |
| ••VF••-B-E | 497 |
| ••VF••-E | 497 |
| ••VF••-SS | 494 |
| ••VF••-SS-E | 497 |
| ••VJM•• | 495 |
| ••VM•• | 495 |
| ••VM••-B | 495 |
| ••VM••-E | 498 |
| ••VM••-SS | 495 |
| ••VM••-SS-E | 498 |
| ••VOF•• | 494 |
| ••V-SKIT | 501 |
| ••WBF••-B | 520 |
| ••WBF••-B-HN | 520 |
| ••WDP | 521 |
| ••WF••-B | 520 |
| ••WF••-B-HN | 520 |
| ••W-RKIT-V2 | 522 |
| ••WSBF•• | 523 |
| ••WSBF••-SS | 523 |
| ••WSDP-A | 525 |
| ••WSF•• | 523 |
| ••WSF••-BOP | 526 |
| ••WSF••-SS | 523 |
| ••WSF••-SS-BOP | 526 |
| ••WSFH•• | 524 |
| ••WSFP•• | 524 |
| ••WSOF•• | 523 |
| ••WS-RKIT | 525 |
| ••WS-SKIT | 525 |
| ••••-B-ALNST | 85 |
| ••••-D-ALNST | 85 |
| ••••-F-ALNST | 85 |

| | Page # |
|---|---|
| 0••• | 475, 476, 1001 |
| 0•••• | 1001 |
| 0•••R | 475 |
| 001-•••• | 456 |
| 0010•••C | 456 |
| 0304C-• | 548 |
| 0304C-•• | 548 |
| 0306-• | 549 |
| 0306-•• | 549 |
| 0318-• | 548 |
| 0318-•• | 548 |
| 0319-• | 548 |
| 0319-•• | 548 |
| 0610-4 | 778, 1068 |
| 0817•• | 1001 |
| 0817BL100 | 1001 |
| 09-31•-00001 | 850 |
| 1• | 478 |
| 1•• | 475 |
| 1••• | 475, 476, 477, 1001 |
| 1•••• | 461, 1001 |
| 1•••R | 475 |
| 1••R | 475 |
| 100-• | 68 |
| 10-076-004 | 329 |
| 100-A-•• | 32 |
| 100-AA-•• | 55 |
| 100-A-HA | 51 |
| 100-AL-•• | 61 |
| 100AWBPST•• | 63 |
| 100AWSP•• | 63 |
| 100-B-•• | 33 |
| 100BHAN-AL | 133 |
| 100-C-•• | 6, 35 |
| 100-D-•• | 40 |
| 100D-90•• | 59 |
| 100DA-90•• | 58 |
| 100-DC-•• | 47 |
| 100DHAN-AL | 133 |
| 100-DL-•• | 61 |
| 100-DP-•• | 50 |
| 100DWBPST•• | 62 |
| 100DWSP•• | 62 |
| 100-E-•• | 7, 43 |
| 100-E-HA | 51 |
| 100-F-•• | 46 |
| 100-F-HA | 51 |
| 100-G-•• | 69, 70 |
| 100-G-••• | 69, 71 |

| | Page # |
|---|---|
| 100GTHK | 69 |
| 100-HP-SP | 66 |
| 100PRSCSS | 72 |
| 100TP | 1061 |
| 1010-6 | 778, 1068 |
| 1012CIPUSH | 1059 |
| 1015-DA-•• | 53 |
| 102••••BSPT | 427 |
| 102••••C | 426 |
| 102••••CLF | 426 |
| 102••••SS | 426 |
| 1020604C | 1085 |
| 10210-64 | 778, 1068 |
| 1025P•••• | 257 |
| 103-•••• | 426 |
| 103••••C | 426 |
| 104••••C | 427 |
| 104••••CLF | 427 |
| 104••••SS | 427 |
| 105-•••• | 432 |
| 105••••C | 432 |
| 1091P•••• | 1002 |
| 1091U•••• | 1002 |
| 1091U••R00 | 1002 |
| 1092T•••• | 1002 |
| 1094P•••• | 1002 |
| 1094U•••• | 1002 |
| 1094U••R00 | 1002 |
| 10-DBHU-10 | 975 |
| 10-DCAP | 977 |
| 10-DELU-10 | 976 |
| 10-DFC-• | 974 |
| 10-DFPLUG | 977 |
| 10-DMC-• | 974 |
| 10-DTTT-10 | 976 |
| 10-DU | 975 |
| 11-009-••• | 326 |
| 1125A | 1041, 1042 |
| 112D | 1042 |
| 112DNS | 1042 |
| 112DSK | 1042 |
| 1143A | 1041, 1042 |
| 114D | 1042 |
| 114DNS | 1042 |
| 114DSK | 1042 |
| 1204-••-•• | 544 |
| 1208•• | 1001 |
| 1217AR-• | 264 |
| 1217AR-4•• | 264 |
| 1217AR-4AK-KSW | 263 |
| 1217AR-4AKWF | 265 |

| | Page # |
|---|---|
| 1231-••-•• | 541 |
| 1234-••-•• | 545 |
| 1238-••-•• | 542 |
| 124••••K | 428 |
| 1240-••-•• | 543 |
| 125-• | 68 |
| 1250-94 | 1043 |
| 1250SK | 1043 |
| 1251-••H | 555 |
| 1254-••H | 548 |
| 1255-••H | 543 |
| 125-A-•• | 32 |
| 125-AA-•• | 55 |
| 125-B-•• | 33 |
| 125-C-•• | 35 |
| 125C-90•• | 59 |
| 125-D-•• | 40 |
| 125D-90•• | 59 |
| 125-DP-•• | 50 |
| 125-E-•• | 43 |
| 125-F-•• | 46 |
| 125-G-•• | 69, 70 |
| 125-G-••• | 69, 71 |
| 125GTFACC | 71 |
| 125GTFVI | 70 |
| 125GTHK | 69 |
| 126-•••• | 428 |
| 126••••C | 428 |
| 128P•LJ15 | 576 |
| 128P•SO15 | 576 |
| 129••••C | 429 |
| 129••••CLF | 429 |
| 129••••SS | 429 |
| 12-DBHU-12 | 975 |
| 12-DCAP | 977 |
| 12-DELU-12 | 976 |
| 12-DFC-• | 974 |
| 12-DFC-•• | 974 |
| 12-DFE-12 | 975 |
| 12-DFE-8 | 975 |
| 12-DFPLUG | 977 |
| 12-DMC-• | 974 |
| 12-DMC-•• | 974 |
| 12-DME-12 | 975 |
| 12-DME-8 | 975 |
| 12-DRATT-16 | 975 |
| 12-DRATT-8 | 975 |
| 12-DTMT-•• | 976 |
| 12-DTTM-12 | 976 |
| 12-DTTM-8 | 976 |
| 12-DTTT-• | 976 |

| | Page # |
|---|---|
| 12P• | 577 |
| 13••• | 598 |
| 13•••• | 599 |
| 1310-8 | 778, 1068 |
| 134-•••• | 429 |
| 134••••C | 429 |
| 139-•••• | 431 |
| 139••••C | 431 |
| 13BNH | 599 |
| 13CB-•.•• | 599 |
| 13H-G••• | 630, 643 |
| 13H-G•••RJT | 648 |
| 13HS-•• | 700 |
| 13HS-••• | 700 |
| 13IB | 599 |
| 13IB6 | 599 |
| 13ILB••• | 637 |
| 13ILB100-150 | 637 |
| 13ILH••• | 637 |
| 13ILH100-150 | 637 |
| 13IL-Q100150 | 637 |
| 13IL-Q200 | 637 |
| 13LW | 599 |
| 13MHHM••• | 596 |
| 13MHHM•••SN | 596 |
| 13MHHM•••WNH | 596 |
| 13MHHM100-150 | 596 |
| 13MHHM100-150SN | 596 |
| 13MHHM100150WNH | 596 |
| 13MHHM-3P••• | 597 |
| 13MHHM-3P100150 | 597 |
| 13MHHM-3P1200 | 597 |
| 13MHHM50-75 | 596 |
| 13MHHM50-75SN | 596 |
| 13MHHM50-75WNH | 596 |
| 13MHHM-DP••• | 597 |
| 13MHHM-DP1000 | 597 |
| 13MHHM-DP100150 | 597 |
| 13MHHM-Q••• | 596 |
| 13MHHM-Q100150 | 596 |
| 13MHHM-Q75 | 596 |
| 13MHHV••• | 664 |
| 13MHHV•••• | 664 |
| 13MHLA••• | 597 |
| 13MHLA100-150 | 597 |
| 13MHP••• | 597 |
| 13MHP•••• | 597 |
| 13MHP100-150 | 597 |
| 13MHP75 | 597 |
| 13MHPV••• | 664 |
| 13MO••• | 598 |
| 13NHN-G100-600 | 698 |
| 13NHN-G75 | 698 |
| 13PS-•• | 700 |
| 13PS-•••• | 700 |
| 13PV-••• | 667 |
| 13PV-75 | 667 |
| 13RBN-G•••RJT | 648 |
| 13RG•• | 698 |
| 13R-G•••DIN | 646 |
| 13R-G•••SMS | 647 |
| 13RG3/8 | 698 |
| 13RGV•• | 698 |
| 13RP | 599 |
| 13RP6 | 599 |
| 13SCC-••• | 595 |
| 13SCC-•••••• | 595 |
| 13SCC-••••••L | 595 |
| 13SCC-•••L | 595 |
| 13SCC-CB-• | 595 |
| 13SN | 599 |
| 13WGC••• | 598 |
| 13WGC100-150 | 598 |
| 13WNH | 599 |
| 13WNS | 599 |
| 13WNX | 599 |
| 14003•-•• | 502 |
| 1404-•-• | 552 |
| 1404-•-•• | 552 |
| 1404-••-• | 552 |
| 1404-••-•• | 552 |
| 1405-•-• | 552 |
| 1405-••-• | 552 |
| 1405-••-•• | 552 |
| 142-•••• | 431 |
| 1420•••C | 431 |
| 143-•••• | 431 |
| 1430•••K | 431 |
| 1430407KLF | 431 |
| 144-•••• | 432 |
| 144••••K | 432 |
| 144F-• | 986 |
| 145-•••• | 432 |
| 145••••K | 432 |
| 149F-•-• | 985 |
| 149F-••-• | 985 |
| 149F-••-•• | 985 |
| 14A-G••• | 631 |
| 14AHR-G••• | 636 |
| 14AHT-G••• | 636 |
| 14A-R••• | 631 |
| 14A-R•••DIN | 646 |
| 14-G••• | 631 |
| 14MPHR-G••• | 609 |
| 14MPHR-G•••• | 609 |
| 14MPHR-G••••• | 609 |
| 14MPHR-G•••••• | 609 |
| 14MPHRL•• | 609 |
| 14MPHRL••• | 609 |
| 14MPHR-R•• | 609 |
| 14MPHR-R••• | 609 |
| 14MPHR-R•••• | 609 |
| 14MPHR-R••••• | 609 |
| 14MPHR-R•••••• | 609 |
| 14MPHT-R•• | 608 |
| 14MPHT-R••• | 608 |
| 14MPW-R•• | 601 |
| 14MPW-R••• | 601 |
| 14PRF-G••• | 631 |
| 14PRFJP-G••• | 644 |
| 14PRFJP-R••• | 644 |
| 14PRF-R••• | 631 |
| 14R-G••• | 631 |
| 14RMP-G••• | 601 |
| 14RMP-R••• | 601 |
| 14VB-R••• | 629 |
| 14VB-R1000 | 629 |
| 14VB-R50 | 629 |
| 14W-G••• | 632 |
| 14WHI-G••• | 638 |
| 14WHI-R••• | 638 |
| 14WHRL-R••• | 622 |
| 14WHR-R•• | 622 |
| 14WHR-R••• | 622 |
| 14WI-G••• | 638 |
| 14WI-R••• | 638 |
| 14WL-G••• | 632 |
| 14WLI-G••• | 638 |
| 14WLI-R••• | 638 |
| 14WLMP-G••• | 601 |
| 14WLMP-R••• | 601 |
| 14WLMP-R•••• | 601 |
| 14WMP-G•• | 600 |
| 14WMP-G••• | 600 |
| 14WMP-G•••• | 600 |
| 14WMP-R•• | 600 |
| 14WMP-R••• | 600 |
| 14WMP-R•••• | 600 |
| 14WMV-R••• | 664 |
| 14WMX-R••• | 664 |
| 14WQ-G••• | 640 |
| 150-• | 68 |
| 1500SK | 1044 |
| 1501-••-• | 553 |
| 1501-••-•• | 553 |
| 1502-•-• | 553 |
| 1502-••-•• | 553 |
| 1503-•-• | 553 |
| 1503-••-•• | 553 |
| 15030FXF••00000 | 130 |
| 150-A-•• | 32 |
| 150A-90•• | 58 |
| 150-AA-•• | 55 |
| 150-A-ALH | 32 |
| 150-A-HA | 51 |
| 150-AL-•• | 61 |
| 150AWBPST•• | 63 |
| 150AWSP•• | 63 |
| 150-B-•• | 33 |
| 150B-90•• | 59 |
| 150-B-ALH | 33 |
| 150-C-•• | 6, 35 |
| 150C-90•• | 59 |
| 150-C-ALH | 35 |
| 150CNOSSS | 36 |
| 150-D-•• | 40 |
| 150D-90•• | 59 |
| 150DA-90•• | 58 |
| 150-D-ALH | 40 |
| 150-DC-•• | 47 |
| 150-DC-ALH | 47 |
| 150DC-L•• | 48 |
| 150-DD-•• | 55 |
| 150-DL-•• | 61 |
| 150-DP-•• | 50 |
| 150-DP-ALH | 50 |
| 150DWBPST•• | 62 |
| 150DWSP•• | 62 |
| 150-E-•• | 7, 43 |
| 150-E-ALH | 43 |
| 150-E-HA | 51 |
| 150ENOSSS | 45 |
| 150-F-•• | 46 |
| 150F-•-• | 985 |
| 150F-90AL | 60 |
| 150-F-ALH | 46 |
| 150-F-HA | 51 |
| 150-G-•• | 69, 70 |
| 150-G-••• | 69, 71 |
| 150GPCTF | 1037 |
| 150GTF•• | 70 |
| 150GTFACC | 71 |
| 150GTHK | 69 |
| 150TP | 1061 |

# Part Number Index


| | Page # |
|---|---|
| 1510-D-•• | 57 |
| 1510DAAL | 53 |
| 1510-DA-SS | 53 |
| 1510-E-•• | 57 |
| 1520•••K | 458 |
| 1520-AA-•• | 55 |
| 1520-DA-•• | 53 |
| 1520-F-•• | 57 |
| 1540•••K | 458 |
| 156 | 162 |
| 156-•••• | 458 |
| 1560•••C | 458 |
| 1565U | 1044 |
| 158-•••• | 458 |
| 1580•••C | 458 |
| 159F-•-• | 986 |
| 15A-G••• | 632 |
| 15AHT-G••• | 636 |
| 15A-R••• | 632 |
| 15A-R•••DIN | 646 |
| 15A-R•••RJT | 648 |
| 15A-R•••SMS | 647 |
| 15B15-100••• | 758 |
| 15B15-50••• | 758 |
| 15-G••• | 633 |
| 15R-G••• | 633 |
| 15TRF-G••• | 632 |
| 15TRFJP-G••• | 644 |
| 15TRFJP-R••• | 644 |
| 15TRF-R••• | 632 |
| 15W-G••• | 633 |
| 15WHI-G••• | 639 |
| 15WHI-R••• | 639 |
| 15WI-G••• | 639 |
| 15WI-R••• | 639 |
| 15WL-G••• | 633 |
| 15WLI-G••• | 639 |
| 15WLI-R••• | 639 |
| 15W-R••• | 633 |
| 1610-10 | 778, 1068 |
| 163••00C | 455, 938 |
| 1630•00CLF | 455, 938 |
| 16375 | 1001 |
| 164C-•• | 981 |
| 164C-••-••-•• | 981 |
| 165-•••• | 450, 927 |
| 165••••C | 450, 927 |
| 165••••CLF | 450, 927 |
| 165C-•• | 981 |
| 166-•••• | 451, 926 |
| 166••••C | 451, 926 |

| | Page # |
|---|---|
| 166FSV-•-• | 985 |
| 169-•••• | 453, 931 |
| 1690•••C | 453, 931 |
| 169C-•••• | 980 |
| 16A-G••• | 636 |
| 16AI-14I••• | 641 |
| 16AI-14I•••R | 641 |
| 16AI-15I••• | 641 |
| 16AI-15I•••R | 641 |
| 16AJP-G••• | 645 |
| 16AJP-R••• | 645 |
| 16AMP-G••• | 607 |
| 16AMP-G•••• | 607 |
| 16AMP-G100-150 | 607 |
| 16AMP-G50-75 | 607 |
| 16AMP-R••• | 607 |
| 16AMP-R•••• | 607 |
| 16AMP-R•••DIN | 646 |
| 16AMP-R•••SMS | 647 |
| 16AMP-R100-150 | 607 |
| 16AMP-R50-75 | 607 |
| 16AMV-G••• | 665 |
| 16AMV-R••• | 665 |
| 16AQ-G••• | 641 |
| 16A-R••• | 636 |
| 16-DBHU-16 | 975 |
| 16-DCAP | 977 |
| 16-DELU-16 | 976 |
| 16-DFC-•• | 974 |
| 16-DFE-16 | 975 |
| 16-DFPLUG | 977 |
| 16-DMC-•• | 974 |
| 16-DME-•• | 975 |
| 16-DTMT-16 | 976 |
| 16-DTTM-•• | 976 |
| 16-DTTT-•• | 976 |
| 16-DU | 975 |
| 16P• | 577 |
| 16STDP-A | 514 |
| 16STF16-SS | 512 |
| 16ST-SKIT | 514 |
| 17-016-107 | 333 |
| 170C-•••• | 980 |
| 17-14I-14MPG••• | 642 |
| 17-15I-14MPG••• | 642 |
| 171C-•••• | 982 |
| 172••••C | 452, 929 |
| 172C-•••• | 981 |
| 174-•••• | 450, 926 |
| 1740•••C | 450, 926 |
| 176-•••• | 452, 929 |

| | Page # |
|---|---|
| 176C-0402 | 982 |
| 177-•••• | 430 |
| 177••••C | 430 |
| 177••••SS | 430 |
| 177-••••SS | 430 |
| 177C-0402 | 981 |
| 178••••C | 368, 419, 428 |
| 178••••SS | 368 |
| 1780•0•CLF | 368, 428 |
| 1781212C | 1078 |
| 179-•••• | 430 |
| 179••••C | 430 |
| 179••••SS | 430 |
| 179-••••SS | 430 |
| 1790•••CLF | 430 |
| 1790604BARB | 430 |
| 179C-•••• | 980 |
| 17MP-14-G••• | 608 |
| 17MP-15-G••• | 608 |
| 18-•••-••• | 336, 338 |
| 18•57 | 344 |
| 180••••F | 448 |
| 180••••FSS | 448 |
| 182••••S | 448 |
| 182••••SS | 448 |
| 183••••K | 446 |
| 183••••KSS | 446 |
| 184••••A | 447 |
| 18-458-00017 | 866 |
| 185-•••• | 447 |
| 185••••K | 447 |
| 186••••S | 447 |
| 187 | 162 |
| 187-•••• | 447 |
| 187••••K | 447 |
| 188-•• | 567 |
| 189 | 777, 829 |
| 189DH | 829 |
| 1910-12 | 778, 1068 |
| 1A••-B | 212 |
| 1AS1-B | 213 |
| 1BRBF•-B-7 | 211 |
| 1BRF•-B-7 | 211 |
| 1BRGM•-B-7 | 211 |
| 1BRM•-B-7 | 211 |
| 1BRS•.••-B-7 | 211 |
| 1HDP | 485, 500 |
| 1-HR1004 | 287 |
| 1-HR1004-3 | 287 |
| 1-HR1004A | 287 |
| 1WAYBV••• | 895, 1050 |

| | Page # |
|---|---|
| 2 | 478 |
| 2• | 478 |
| 2•• | 475 |
| 2••• | 475 |
| 2•••• | 380, 461 |
| 2•••-•• | 334, 335, 336 |
| 2•••R | 475 |
| 2••R | 475 |
| 200-• | 68 |
| 200••••C | 433 |
| 2000L | 1035 |
| 200-A-•• | 32 |
| 200-A-••SWIV | 25 |
| 200A-90•• | 58 |
| 200-AA-•• | 55 |
| 200-A-ALH | 32 |
| 200-A-HA | 51 |
| 200-AL-•• | 61 |
| 200-AL-SSANSI | 61 |
| 200AWBPST•• | 63 |
| 200AWSP•• | 63 |
| 200-B-•• | 33 |
| 200B-90•• | 59 |
| 200-B-ALH | 33 |
| 200-C-•• | 6, 35 |
| 200C-90•• | 59 |
| 200-C-ALH | 35 |
| 200CNOSSS | 36 |
| 200-D-•• | 40 |
| 200D-90•• | 59 |
| 200DA-45•• | 58 |
| 200DA-90•• | 58 |
| 200-D-ALH | 40 |
| 200DBAL | 783 |
| 200-DC-•• | 47 |
| 200-DC-ALH | 47 |
| 200DC-L•• | 48 |
| 200-DD-•• | 55 |
| 200DD-45•• | 58 |
| 200DD-90•• | 58 |
| 200-DL-•• | 61 |
| 200-DP-•• | 50 |
| 200-DP-ALH | 50 |
| 200DWBPST•• | 62 |
| 200DWSP•• | 62 |
| 200-E-•• | 7, 43 |
| 200-E-••SWIV | 25 |
| 200E-90•• | 60 |
| 200-E-ALH | 43 |

| | Page # |
|---|---|
| 200-F-•• | 46 |
| 200F-15•• | 60 |
| 200F90AL | 60 |
| 200F-90SS | 60 |
| 200-F-ALH | 46 |
| 200-F-HA | 51 |
| 200-G-•• | 69, 70 |
| 200-G-••• | 69, 71 |
| 200GPC•• | 1037 |
| 200GTF•• | 70 |
| 200GTFACC | 71 |
| 200GTHK | 69 |
| 200GTTFBL | 122 |
| 200-HRP-•• | 66 |
| 200-HSCRP-SI | 66 |
| 200-LH-•• | 66 |
| 200-PC-•• | 1037 |
| 200PRSC•• | 72 |
| 200-PV-9 | 1035 |
| 200-TCA-•• | 126 |
| 200TP | 1061 |
| 200YDAAAL | 64 |
| 2010-DA-•• | 53 |
| 2015-A-•• | 56 |
| 2015-B-•• | 56 |
| 2015-B-ALNST | 815 |
| 2015-C-•• | 56 |
| 2015-D-•• | 57 |
| 2015-DA-•• | 53 |
| 2015-E-•• | 57 |
| 2015-F-•• | 57 |
| 2025-DA-•• | 53 |
| 2025-D-ALNST | 815 |
| 2025-F-ALNST | 815 |
| 2030-A-•• | 56 |
| 2030-AA-•• | 55 |
| 2030-ALT-AL | 119 |
| 2030-B-•• | 56 |
| 2030-DA-•• | 53 |
| 2030-DD-•• | 55 |
| 2030-F-•• | 57 |
| 2040-AA-•• | 55 |
| 2040-DA-•• | 53 |
| 206 | 162 |
| 207BH• | 943 |
| 207BH•• | 943 |
| 207BH••-• | 943 |
| 211-••••C | 455, 938 |
| 212 | 162 |
| 213••00CLF | 454, 937 |
| 2143SEALBU | 1029 |

| | Page # |
|---|---|
| 21MP-G••• | 610 |
| 21MP-G••••• | 610 |
| 21MP-G•••••• | 610 |
| 21MP-G100-125 | 610 |
| 21MP-R•• | 610 |
| 21MP-R••• | 610 |
| 21MP-R•••• | 610 |
| 21MP-R••••• | 610 |
| 21MP-R•••••• | 610 |
| 21MP-R100-125 | 610 |
| 2210-14 | 778, 1068 |
| 2211CBB••••••F1 | 658 |
| 2211CBB••••••F4 | 658 |
| 2211EBB••••••F1 | 659 |
| 2211EBB••••••F4 | 659 |
| 2221CBB••••••F1 | 658 |
| 2221CBB••••••F4 | 658 |
| 2221EBB••••••F1 | 659 |
| 2221EBB••••••F4 | 659 |
| 2226CBB••••••F1 | 660 |
| 2226CBB••••••F4 | 660 |
| 2226EBB••••••F1 | 660 |
| 2226EBB••••••F4 | 660 |
| 225 | 162 |
| 228-•••• | 454, 936 |
| 228••••C | 454, 936 |
| 22MP-G••• | 611 |
| 22MP-G••••• | 611 |
| 22MP-G•••••• | 611 |
| 22MP-G100-125 | 611 |
| 22MP-R•• | 611 |
| 22MP-R••• | 611 |
| 22MP-R•••• | 611 |
| 22MP-R••••• | 611 |
| 22MP-R•••••• | 611 |
| 22MP-R•••-••• | 611 |
| 22MP-R50-125 | 611 |
| 230FXF••00000 | 130 |
| 233 | 777, 828 |
| 234-80-• | 1042 |
| 2404-••-• | 544 |
| 2404-••-••• | 544 |
| 2404-•••-•• | 544 |
| 2405-••-• | 544 |
| 2405-••-••• | 544 |
| 2405-•••-•• | 544 |
| 24PFX•.••• | 590 |
| 250 | 162 |
| 250-• | 68 |
| 2500HB0000 | 586 |

| | Page # |
|---|---|
| 2501-••-• | 546 |
| 2501-••-••• | 546 |
| 2501-•••-• | 546 |
| 2501-•••-•• | 546 |
| 2503-••-• | 547 |
| 2503-•••-• | 547 |
| 2503-•••-•• | 547 |
| 250-A-•• | 32 |
| 250-B-•• | 33 |
| 250-C-•• | 35 |
| 250-D-•• | 40 |
| 250-DC-•• | 47 |
| 250-DP-•• | 50 |
| 250-E-•• | 43 |
| 250-F-•• | 46 |
| 250-G-•• | 69, 70 |
| 250-G-••• | 69, 71 |
| 250GTF•• | 70 |
| 250GTHK | 69 |
| 2510-16 | 778, 1068 |
| 2520-A-•• | 56 |
| 2520-DA-•• | 53 |
| 2530-AA-•• | 55 |
| 2530-DA-•• | 53 |
| 2540-AA-•• | 55 |
| 25933AL | 902, 1052 |
| 25H-••• | 630, 643 |
| 25H-•••••• | 630, 643 |
| 2601-••-••-• | 547 |
| 2601-•••-•••-• | 547 |
| 2601-•••-•••-••• | 547 |
| 2603-• | 547 |
| 2603-•• | 547 |
| 26287AL | 902, 1052 |
| 264C-03 | 981 |
| 268B•••• | 427 |
| 269C-•••• | 980 |
| 2700LN-• | 548 |
| 2700LN-•• | 548 |
| 2701LN-• | 549 |
| 2701LN-•• | 549 |
| 270AT | 445 |
| 271-•••• | 438 |
| 271••••C | 438 |
| 272••••C | 438 |
| 272••••CBC | 438 |
| 272••••SS | 438 |
| 272••••W | 445 |
| 2720•••CLF | 438 |
| 273-•••• | 439 |
| 273••••C | 439 |

| | Page # |
|---|---|
| 275 | 162 |
| 278••••C | 440 |
| 278••••CBC | 440 |
| 280-•••• | 440 |
| 280••••C | 440 |
| 280••••CBC | 440 |
| 282-•••• | 441 |
| 282••••C | 441 |
| 282••••CBC | 441 |
| 284-•••• | 442 |
| 284••••C | 442 |
| 284••••CBC | 442 |
| 286-•••• | 442 |
| 286••••C | 442 |
| 286••••CBC | 442 |
| 287-•••• | 443 |
| 287••••C | 443 |
| 287••••CBC | 443 |
| 287••••SS | 443 |
| 287-••••SS | 443 |
| 2870407CLF | 443 |
| 288-•••• | 443 |
| 288••••C | 443 |
| 288••••CBC | 443 |
| 288••••SS | 443 |
| 288-••••SS | 443 |
| 289-•••• | 443 |
| 289••••C | 443 |
| 289-••••SAE | 443 |
| 2890••••SAE | 443 |
| 28957ALEY | 1052 |
| 28967ALEY | 902 |
| 28981ALEY | 902, 1052 |
| 290-•••• | 444 |
| 290••••C | 444 |
| 290••••CBC | 444 |
| 292••••C | 444 |
| 292••••CBC | 444 |
| 292-0••• | 444 |
| 294-•••• | 444 |
| 294••••C | 444 |
| 294••••CBC | 444 |
| 294••••SS | 444 |
| 294-••••SS | 444 |
| 296••••C | 440 |
| 296••••CBC | 440 |
| 296••••SS | 440 |
| 2A••-B | 212 |
| 2AE2-B | 213 |
| 2AS2-B | 213 |
| 2CJBF•-B | 206 |

# Part Number Index


| | Page # |
|---|---|
| 2CJF2-B | 280 |
| 2CJM•-B | 206 |
| 2CM4S2.5-B-E | 537 |
| 2CM9S2.5-B | 538 |
| 2CM9S2.5-B-E | 538 |
| 2CMS2.5-B | 536 |
| 2CMS2.5-B-E | 536 |
| 2D••-B | 198, 199, 201 |
| 2D••-S | 198, 199 |
| 2DB••-B | 198, 199 |
| 2-DFC-• | 974 |
| 2-DMC-• | 974 |
| 2DS•-B | 200 |
| 2DS•-S | 200 |
| 2-DTMT-2 | 976 |
| 2-DTTM-2 | 976 |
| 2-DU | 975 |
| 2FB••-B | 199 |
| 2FB•-B | 201 |
| 2FBF•-B | 198 |
| 2FF•-B | 198 |
| 2FF•-S | 198 |
| 2FF2 | 198 |
| 2FM•-B | 199 |
| 2FM•-S | 199 |
| 2FM2 | 199 |
| 2FS• | 200 |
| 2FS•-B | 200 |
| 2FS•-S | 200 |
| 2FS2.5-B | 200 |
| 2-HR1004-3 | 287 |
| 2-HR1005 | 287 |
| 2JB•-B | 203 |
| 2JF•-B | 203 |
| 2JM•-B | 203 |
| 2JS•-B | 203 |
| 2L•2-B | 208 |
| 2MF•-B | 204 |
| 2MF•-PL | 204 |
| 2MM•-B | 205 |
| 2MM•-PL | 205 |
| 2MS•-B | 205 |
| 2MS•-PL | 205 |
| 2MS2.5-PL | 205 |
| 2NK•• | 210 |
| 2NKB•• | 210 |
| 2SHD•• | 207 |
| 2SHDS• | 208 |
| 2U••-B | 209 |
| 2UB••-B | 209 |
| 2WAYBV••• | 896, 1051 |
| 2WAYBV200-SH | 896 |
| 2WAYBV200SW-SH | 896 |
| 2WCA••••F-• | 846 |
| 2WCA••••F-SP-• | 846 |
| 2WSA••••F | 846 |
| 2WSA••••F-•• | 846 |
| 3 | 478 |
| 3•• | 475 |
| 3••• | 383, 384, 475 |
| 3•••• | 383, 384, 461 |
| 3•••-•• | 333, 334, 335, 336 |
| 3•••R | 475 |
| 3••R | 475 |
| 30••RDSSAP | 1038 |
| 300-• | 68 |
| 3000•••• | 252 |
| 3002•••• | 355 |
| 30022ALTAL | 119 |
| 300300MAE | 1024 |
| 3004•••• | 355 |
| 3004030MAE | 1024 |
| 3006•••• | 355 |
| 3009•••• | 249, 355 |
| 300-A-•• | 32 |
| 300-A-••SWIV | 25 |
| 300A-90•• | 58 |
| 300-AA-•• | 55 |
| 300-A-ALH | 32 |
| 300-A-HA | 51 |
| 300-AL-•• | 61 |
| 300-AL-SSANSI | 61 |
| 300-ALT-•• | 119, 1032 |
| 300ASSSAP | 1038 |
| 300AWBPST•• | 63 |
| 300AWSP•• | 63 |
| 300-B-•• | 33 |
| 300B-90•• | 59 |
| 300-B-ALH | 33 |
| 300BR•••• | 919 |
| 300-C-•• | 6, 35 |
| 300C-90•• | 59 |
| 300-C-ALH | 35 |
| 300CNOSSS | 36 |
| 300-D-•• | 40 |
| 300D-90•• | 59 |
| 300DA-45•• | 58 |
| 300DA-90•• | 58 |
| 300-D-ALH | 40 |
| 300DAT••SS | 53 |
| 300-DC-ALH | 47 |
| 300DC-L•• | 48 |
| 300-DD-•• | 55 |
| 300DD-45•• | 58 |
| 300DD-90•• | 58 |
| 300-DL-•• | 61 |
| 300-DLT-AL | 119, 1032 |
| 300-DP-•• | 50 |
| 300-DP-ALH | 50 |
| 300DWBPST•• | 62 |
| 300DWSP•• | 62 |
| 300-E-•• | 7, 43 |
| 300-E-••SWIV | 25 |
| 300E-90•• | 60 |
| 300-E-ALH | 43 |
| 300-E-HA | 51 |
| 300EL90•• | 930 |
| 300EL90••• | 930 |
| 300ENOSSS | 45 |
| 300-F-•• | 46 |
| 300F-90SS | 60 |
| 300-F-ALH | 46 |
| 300-F-HA | 51 |
| 300FT•• | 934 |
| 300FT••• | 934 |
| 300-G-•• | 69, 70 |
| 300-G-••• | 69, 71 |
| 300GPC• | 1037 |
| 300GTF•• | 70 |
| 300GTFACC | 71 |
| 300GTHK | 69 |
| 300GTHKBF | 70, 1030 |
| 300GTTFBL | 122, 1025 |
| 300GTTFCB | 122, 1025 |
| 300GTTFK | 122, 1025 |
| 300GTTFTK | 122, 1025 |
| 300H-PAD•• | 67 |
| 300-HRP-•• | 66 |
| 300-HSCRP-SI | 66 |
| 300-LH-•• | 66 |
| 300-MAE | 1024 |
| 300MICAP•• | 937 |
| 300MICAP••• | 937 |
| 300MIU•• | 922 |
| 300MIU••• | 922 |
| 300-PC-•• | 1037 |
| 300PC••AP | 1038 |
| 300PRSC•• | 72 |
| 300RHC•• | 921 |
| 300RHC••• | 921 |
| 300-SFC-•• | 1037 |
| 300-TFA | 1028 |
| 300-TFG | 1024 |
| 300TP | 1061 |
| 3010-RC-SS | 1037 |
| 3014•••• | 248 |
| 3015-DA-•• | 53 |
| 3015-F-•• | 57 |
| 302••••C | 452, 930 |
| 302••••CLF | 452, 930 |
| 3020-A-•• | 56 |
| 3020-B-•• | 56 |
| 3020-C-•• | 56 |
| 3020-D-•• | 57 |
| 3020-DA-•• | 53 |
| 3020DAT••SS | 54 |
| 3020-E-•• | 57 |
| 3020-F-•• | 57 |
| 3020-RD-•• | 1037 |
| 3025-A-ALNST | 85, 815 |
| 3025-B-ALNST | 815 |
| 3025-C-•• | 56 |
| 3025-DA-•• | 53 |
| 3025-D-ALNST | 815 |
| 3025-E-•• | 57 |
| 3025-F-ALNST | 815 |
| 304••••C | 453, 931 |
| 3040•••CLF | 453, 931 |
| 3040-A-•• | 56 |
| 3040-AA-•• | 55 |
| 3040ALTAL | 119, 1032 |
| 3040-B-•• | 56 |
| 3040-C-•• | 56 |
| 3040-DA-•• | 53 |
| 3040-DD-•• | 55 |
| 3040DLTAL | 119, 1032 |
| 3040-F-•• | 57 |
| 306 | 162 |
| 306-•••• | 453, 933 |
| 306••••C | 453, 933 |
| 3060-DA-•• | 53 |
| 31•• | 267 |
| 3101•••• | 257 |
| 3102•••• | 251, 258, 355 |
| 3102••••DOT | 231 |
| 3103•••• | 250 |
| 3103••••DOT | 233 |
| 3104•••• | 251, 252, 258, 355 |
| 3104••••DOT | 232 |
| 3106•••• | 251, 252, 257 |
| 3106••••DOT | 231 |
| 3108•••• | 250, 257 |

| | Page # |
|---|---|
| 3109••••DOT | 231 |
| 3113•••• | 249 |
| 3114•••• | 256 |
| 3114••••DOT | 230 |
| 3115••••DOT | 230 |
| 3116•••• | 251, 257 |
| 3116••••DOT | 231 |
| 3126•••• | 251, 258 |
| 3129•••• | 249 |
| 3140•••• | 251, 252, 258 |
| 3140••••DOT | 233 |
| 31440-225AL | 1029 |
| 3148•••• | 250 |
| 3148••••DOT | 233 |
| 31665660DOT | 232 |
| 3175•••• | 248, 252, 256 |
| 31825600DOT | 232 |
| 31835600DOT | 233 |
| 3199•••• | 258 |
| 320TFXTFAL••••• | 133 |
| 3210-20 | 778, 1068 |
| 322-••• | 453, 934 |
| 322••••C | 453, 934 |
| 322••••CLF | 453, 934 |
| 324-••• | 454, 936 |
| 324••••C | 454, 936 |
| 326-••• | 454, 936 |
| 326••••C | 454, 936 |
| 3260404CLF | 454, 936 |
| 32P•LJ15 | 576 |
| 32P•SO15 | 576 |
| 32PFX•.••• | 590 |
| 330FXF••00000 | 130 |
| 330TFXTFAL••••• | 133 |
| 33155614 | 252 |
| 33BTFXTFAL••••• | 133 |
| 33HTFXTFAL••••• | 133 |
| 340TFXTFAL••••• | 133 |
| 34BTFXTFAL••••• | 133 |
| 34HTFXTFAL••••• | 133 |
| 35•• | 226 |
| 35-•••-•• | 415 |
| 35-•••-10 | 915 |
| 35••WF | 226 |
| 35••WF2 | 226 |
| 350 | 162 |
| 350TFXTFAL••••• | 133 |
| 3512 | 1095 |
| 3533•• | 65 |
| 3534•• | 65 |
| 3543•• | 65 |

| | Page # |
|---|---|
| 35HTFXTFAL••••• | 133 |
| 3601•••• | 246 |
| 3602•••• | 247 |
| 3603•••• | 247 |
| 3604•••• | 247 |
| 3606•••• | 246 |
| 3609•••• | 247 |
| 3615•••• | 246 |
| 3675•••• | 246 |
| 36930420 | 247 |
| 370••••C | 451, 928 |
| 3700•••CLF | 451, 928 |
| 371••••C | 449, 922 |
| 3710•••CLF | 449, 922 |
| 373••••C | 264, 449, 925 |
| 373••••CLF | 449, 925 |
| 375 | 162 |
| 375••••C | 450, 925 |
| 375••••CLF | 450, 925 |
| 377••••C | 449, 920 |
| 377••••CLF | 449, 920 |
| 379••••C | 452, 928 |
| 38025600 | 245 |
| 3804•••• | 245 |
| 3805•••• | 244 |
| 3806•••• | 244 |
| 3810-24 | 778, 1068 |
| 3816•••• | 244 |
| 3889•••• | 245 |
| 391137 | 1041 |
| 3CJBF•-B | 206 |
| 3CJBM•-B | 206 |
| 3CJF•-B | 206 |
| 3CJM•-B | 206 |
| 3D••-B | 198, 199, 201 |
| 3D••-S | 198, 199 |
| 3DB••-B | 198, 199 |
| 3DS•-B | 200 |
| 3DS•-S | 200 |
| 3FB• | 201 |
| 3FBF3 | 198 |
| 3FBM3 | 199 |
| 3FF• | 198 |
| 3FF3-S | 198 |
| 3FM• | 199 |
| 3FM3-S | 199 |
| 3FS• | 200 |
| 3FS3-S | 200 |
| 3-HR1004-3 | 287 |
| 3-HR1005 | 287 |
| 3JB• | 203 |

| | Page # |
|---|---|
| 3JS• | 203 |
| 3MF3-PL | 204 |
| 3MM•-PL | 205 |
| 3MS3-PL | 205 |
| 3NBM4 | 191 |
| 3NCS4 | 191 |
| 3NM4 | 191 |
| 3N-SKIT | 192 |
| 3S-•-15U-GFB•SS | 707 |
| 3S-•-2U-GFB•SS | 707 |
| 3TF3 | 527 |
| 3TM3-PV | 527 |
| 3TM3-SS | 527 |
| 3TM3-SS-PV | 527 |
| 3U••-B | 209 |
| 3UB••-B | 209 |
| 3XKF3 | 511 |
| 4 | 478 |
| 4•• | 475, 477 |
| 4••• | 465 |
| 4•••-••333, 334, 335, 336, 337, 338 | |
| 4•••-••• | 334, 335, 336, 337 |
| 4•••-••R | 333, 334, 336 |
| 4•••-••RF | 333 |
| 4•••-••RL | 336 |
| 4••R | 475 |
| 40••REV90 | 842 |
| 400-• | 68 |
| 400-•-ALGT | 1030 |
| 40022ALTAL | 119, 1032 |
| 40022DLTAL | 119, 1032 |
| 400-A-•• | 32 |
| 400-A-••INSERT | 32 |
| 400-A-••SWIV | 25 |
| 400A-90•• | 58 |
| 400-AA-•• | 55 |
| 400-A-ALH | 32 |
| 400-A-INSERT | 73 |
| 400-AL-•• | 61 |
| 400-ALT-•• | 119, 1032 |
| 400-AS-AL | 64 |
| 400AWBPST•• | 63 |
| 400AWSP•• | 63 |
| 400-B-•• | 33 |
| 400-B-ALH | 33 |
| 400-C-•• | 6, 35 |
| 400-C-••INSERT | 35 |
| 400C-90•• | 59 |

| | Page # |
|---|---|
| 400-CVR-AL | 120, 1033 |
| 400-D-•• | 40 |
| 400D-90•• | 59 |
| 400DA-45•• | 58 |
| 400DA-90•• | 58 |
| 400-D-ALH | 40 |
| 400-DC-•• | 47 |
| 400-DC-ALH | 47 |
| 400DC-L•• | 48 |
| 400-DD-•• | 55 |
| 400DD-45•• | 58 |
| 400DD-90•• | 58 |
| 400-DDVR-AL | 120, 1033 |
| 400-DL-•• | 61 |
| 400-DLT-AL | 119, 1032 |
| 400-DP-•• | 50 |
| 400-DP-ALH | 50 |
| 400-DVR-AL | 121, 1034 |
| 400DWBPST•• | 62 |
| 400DWSP•• | 62 |
| 400DWX5TC | 125 |
| 400-E-•• | 7, 43 |
| 400-E-••SWIV | 25 |
| 400E-90•• | 60 |
| 400-E-ALGT | 1030 |
| 400-E-ALH | 43 |
| 400-F-•• | 46 |
| 400-F-ALH | 46 |
| 400-G-•• | 69, 70 |
| 400-G-••• | 69, 71 |
| 400GAGFI | 64 |
| 400-G-BUSS | 124 |
| 400GPCTF | 1037 |
| 400GTF•• | 70 |
| 400GTHK | 69 |
| 400GTHKBF | 70, 1030 |
| 400GTTFBL | 122, 1025 |
| 400GTTFCB | 122, 1025 |
| 400GTTFK | 122, 1025 |
| 400GTTFTK | 122, 1025 |
| 400-LH-•• | 66 |
| 400-PC-•• | 1037 |
| 400-TCA-•• | 126 |
| 400-TLT-AL | 1031 |
| 400TP | 1061 |
| 400YDAAAL | 64 |
| 401 | 162 |
| 401-01 | 354 |
| 401-01S | 354 |
| 4020-CVR-AL | 120 |
| 4020-DA-•• | 53 |

# Part Number Index


| | Page # |
|---|---|
| 4030-A-•• | 56 |
| 4030-B-•• | 56 |
| 4030-C-•• | 56 |
| 4030-CVR-AL | 120, 1033 |
| 4030-D-•• | 57 |
| 4030-DA-•• | 53 |
| 4030-DAVR-AL | 120, 1033 |
| 4030-DVR-AL | 121, 1034 |
| 4030-E-•• | 57 |
| 4030-F-•• | 57 |
| 4030-MAE | 1024 |
| 4030-RD-•• | 1037 |
| 40321TF | 122, 1025 |
| 40322TF | 122, 1025 |
| 40323BL | 122, 1025 |
| 40323TF | 122, 1025 |
| 40364BL | 122, 1025 |
| 40364TF | 122, 1025 |
| 4050-AA-•• | 55 |
| 4050-DA-•• | 53 |
| 4050-DD-•• | 55 |
| 4055-3 | 778, 1068 |
| 4060-A-•• | 56 |
| 4060-AA-•• | 55 |
| 4060-DA-•• | 53 |
| 4060-DD-•• | 55 |
| 4093 | 1001 |
| 40A-45TCAL | 126 |
| 40BS-E••• | 682 |
| 40BS-F••• | 682 |
| 40BS-H••• | 683 |
| 40BS-O••• | 682 |
| 40BS-S••• | 683 |
| 40BS-X••• | 683 |
| 40BS-Y••• | 682 |
| 40IE••• | 684 |
| 40IE•••16 | 684 |
| 40IH••• | 684 |
| 40IT••• | 685 |
| 40IV••• | 684 |
| 40JP-E••• | 686 |
| 40JP-G••• | 687 |
| 40JP-SFY••• | 687 |
| 40JP-U••• | 686 |
| 40MP-E••• | 674, 676 |
| 40MP-E•••• | 676 |
| 40MP-E••••BL | 676 |
| 40MP-E••••RD | 676 |
| 40MP-E•••BL | 676 |
| 40MP-E•••DIN | 689 |
| 40MP-E•••RD | 676 |

| | Page # |
|---|---|
| 40MPF-E••• | 677 |
| 40MPF-E•••• | 677 |
| 40MPF-SFY••• | 678 |
| 40MPF-SFY•••• | 678 |
| 40MPF-U••• | 677 |
| 40MPF-U•••• | 677 |
| 40MPF-UW••• | 677 |
| 40MPF-UW•••• | 677 |
| 40MPF-XC••• | 678 |
| 40MPF-XC•••• | 678 |
| 40MPF-XW••• | 678 |
| 40MPF-XW•••• | 678 |
| 40MP-G••• | 675 |
| 40MP-G•••• | 675 |
| 40MP-GR••• | 681 |
| 40MP-GRE••• | 681 |
| 40MPS-E••• | 679 |
| 40MP-SFY••• | 675, 676 |
| 40MP-SFY•••BL | 676 |
| 40MP-SFY•••RD | 676 |
| 40MPS-SFY••• | 679 |
| 40MPS-U••• | 679 |
| 40MP-U••• | 674 |
| 40MP-U•••DIN | 688 |
| 40MP-U•••RJT | 688 |
| 40MP-U•••SMS | 688 |
| 40MP-UP••• | 680 |
| 40MP-UW••• | 674 |
| 40MP-UZ••• | 676 |
| 40MP-UZ•••• | 676 |
| 40MP-UZ••••BL | 676 |
| 40MP-UZ••••RD | 676 |
| 40MP-UZ•••BL | 676 |
| 40MP-UZ•••RD | 676 |
| 40MPV-E••• | 672 |
| 40MPV-G••• | 671 |
| 40MPV-SFY••• | 672 |
| 40MPV-U••• | 671 |
| 40MP-XC••• | 675 |
| 40MP-XW••• | 675 |
| 40MP-XZ••••RD | 676 |
| 40MP-XZ•••BL | 676 |
| 40MP-XZ•••RD | 676 |
| 40PFX•.••• | 590 |
| 40QH••• | 685 |
| 40QT••• | 685 |
| 41440-225AL | 1029 |
| 41450-DCAL | 1029 |
| 4-1460-AL | 122, 1025 |
| 418 | 162 |
| 41FL-• | 986 |

| | Page # |
|---|---|
| 420TFXTFAL••••• | 133 |
| 4215-•• | 337 |
| 42777••-000• | 349 |
| 42F-• | 985 |
| 42MP-E•• | 674, 676 |
| 42MP-E••BL | 676 |
| 42MP-G•• | 675 |
| 42MP-GR•• | 681 |
| 42MP-GRE•• | 681 |
| 42MP-SFY•• | 675, 676 |
| 42MP-SFY••BL | 676 |
| 42MP-U•• | 674 |
| 42MP-UW•• | 674 |
| 42MP-UZ•• | 676 |
| 42MP-UZ••BL | 676 |
| 42MP-UZ••RD | 676 |
| 42MP-XC•• | 675 |
| 42MP-XW•• | 675 |
| 42MP-XZ••BL | 676 |
| 42MP-XZ••RD | 676 |
| 430FXF••00000 | 130 |
| 430TFTFLAL••••• | 133 |
| 430TFXTFAL••••• | 133 |
| 4315-•• | 337 |
| 4316-50 | 337 |
| 4328-50 | 337 |
| 43BTFTFLAL••••• | 133 |
| 43BTFXTFAL••••• | 133 |
| 43HTFTFLAL••••• | 133 |
| 43HTFXTFAL••••• | 133 |
| 440TFXTFAL••••• | 133 |
| 44-251-00006 | 861 |
| 44BTFXTFAL••••• | 133 |
| 44HTFXTFAL••••• | 133 |
| 450 | 162 |
| 4500-5 | 1029 |
| 4500RK | 1029 |
| 4500RK-V | 1029 |
| 450-4S | 282 |
| 450TFXTFAL••••• | 133 |
| 4510-28 | 778, 1068 |
| 452••• | 268 |
| 4530 | 1029 |
| 4530SG | 1029 |
| 4540 | 1029 |
| 4540DC | 1030 |
| 4540DC-1200 | 1030 |
| 4540F | 1029 |
| 4540SG | 1029 |
| 4540SG-RK• | 1029 |
| 45BTFXTFAL••••• | 133 |

| | Page # |
|---|---|
| 4600300001 | 821 |
| 4601100418 | 821 |
| 46-030-00025 | 861, 866, 868 |
| 46F-•-• | 984 |
| 46F-••-• | 984 |
| 4895•••• | 255 |
| 48F-•-• | 984 |
| 48F-••-• | 984 |
| 48F-••-•• | 984 |
| 48P•LJ15 | 576 |
| 48P•SO15 | 576 |
| 48PFX•.••• | 590 |
| 4AGHT4 | 510 |
| 4BF416DITF-CNBR | 174 |
| 4BF416DITF-FKM | 174 |
| 4D••-B | 198, 199, 201 |
| 4D••-S | 198, 199 |
| 4DB••-B | 198, 199 |
| 4-DBHU-4 | 975 |
| 4-DCAP | 977 |
| 4-DELU-4 | 976 |
| 4-DFC-• | 974 |
| 4-DFE-2 | 975 |
| 4-DFPLUG | 977 |
| 4-DMC-• | 974 |
| 4-DME-• | 975 |
| 4-DRATT-2 | 975 |
| 4DS•-B | 200 |
| 4DS•-S | 200 |
| 4-DTMT-4 | 976 |
| 4-DTTF-4 | 976 |
| 4-DTTM-4 | 976 |
| 4-DTTT-4 | 976 |
| 4-DU | 975 |
| 4-DU-2 | 975 |
| 4EA-SKIT | 534 |
| 4FAMT | 171 |
| 4FAMTL | 171 |
| 4FB• | 201 |
| 4FBF4 | 198 |
| 4FBM4 | 199 |
| 4FF• | 198 |
| 4FF4-S | 198 |
| 4FM• | 199 |
| 4FM4-S | 199 |
| 4FS• | 200 |
| 4FS4-S | 200 |
| 4HF4-HV | 484 |
| 4-HR1005 | 287 |
| 4HT9OF• | 507 |
| 4HTAG4 | 510 |

| | Page # |
|---|---|
| 4K-•-DP | 491 |
| 4KDP | 491, 1093 |
| 4K-G-DP | 1093 |
| 4K-Y-DP | 1093 |
| 4N4N | 192 |
| 4NBF• | 190 |
| 4NBF•-B | 190 |
| 4NBM• | 191 |
| 4NBM•-B | 191 |
| 4NF• | 190 |
| 4NF•-B | 190 |
| 4NF•-SS | 190 |
| 4NF6 | 1098 |
| 4NF6-S | 190 |
| 4NM• | 191 |
| 4NM•-B | 191 |
| 4NM•-SS | 191 |
| 4NM6 | 1098 |
| 4NM6-S | 191 |
| 4NS• | 191 |
| 4NS•-B | 191 |
| 4NS•-B-WF | 193 |
| 4NS•-S | 191 |
| 4NS•-SS | 191 |
| 4NS•-WF | 193 |
| 4NS6 | 1098 |
| 4N-SKIT | 1095 |
| 4N-SKIT | 192 |
| 4P• | 577 |
| 4P-CLIP | 196 |
| 4PF• | 194 |
| 4PF•-FS | 195 |
| 4PF6 | 1098 |
| 4PF6-B | 194 |
| 4PF6-S | 194 |
| 4PM• | 194 |
| 4PM•-FS | 195 |
| 4PM6 | 1098 |
| 4PM6-9 | 194 |
| 4PM6-S | 194 |
| 4PS• | 195 |
| 4PS•-B | 195 |
| 4PS•-FS | 195 |
| 4PS•-WF | 196 |
| 4PS6 | 1098 |
| 4PS6-9 | 195 |
| 4PS6-S | 195 |
| 4PSG | 123, 1026 |
| 4P-SKIT | 196, 1095 |
| 4RKOBU | 133 |
| 4RKOVIVI | 133 |

| | Page # |
|---|---|
| 5 | 478 |
| 5•• | 475, 477 |
| 5•••• | 474 |
| 5••-•• | 335 |
| 5•••-•• | 333, 334, 335, 336, 338 |
| 5•••LP | 286 |
| 5••R | 475 |
| 50-• | 68 |
| 500-• | 68 |
| 500••••• | 355 |
| 5000-• | 552 |
| 5000-•• | 552 |
| 5000-•-• | 552 |
| 5000-••-•• | 552 |
| 5000-24 | 1029 |
| 5000-24L | 1029 |
| 5000-25 | 1029 |
| 500-A-•• | 32 |
| 500-AA-•• | 55 |
| 500AN• | 413, 782 |
| 500-AN7 | 413, 782 |
| 500AWBPST•• | 63 |
| 500AWSP•• | 63 |
| 500-B-•• | 33 |
| 500BFP | 417 |
| 500-C-•• | 35 |
| 500-D-•• | 40 |
| 500DA-90•• | 58 |
| 500-DC-•• | 47 |
| 500-DD-•• | 55 |
| 500-DP-•• | 50 |
| 500DWBPST•• | 62 |
| 500DWSP•• | 62 |
| 500-E-•• | 43 |
| 500-F-•• | 46 |
| 500-G-•• | 69 |
| 500GH4VBK | 417 |
| 500GHV | 416 |
| 500GHY | 416 |
| 500GTCABF | 127 |
| 500GTCABU | 127 |
| 500GTCATF | 127 |
| 500GTCATV | 127 |
| 500GTCAVI | 127 |
| 500GTCAVITHK | 127 |
| 500GTFWB | 70 |
| 500QCF | 415, 1078 |
| 500QCFSS | 415 |
| 500QCFV | 415 |

| | Page # |
|---|---|
| 500QCK | 415 |
| 500QCKSS | 415 |
| 500QCKV | 415 |
| 500QCM | 415, 1078 |
| 500QCMSS | 415 |
| 500QCSG | 415 |
| 500YC | 416 |
| 501••••C | 424 |
| 502••••CLF | 424 |
| 50212••C | 424 |
| 50212••SS | 424 |
| 5030-DA-•• | 53 |
| 50312••C | 424 |
| 504-•••• | 424 |
| 5040-C-•• | 56 |
| 5040-D-•• | 57 |
| 5040-DA-•• | 53 |
| 5040-E-•• | 57 |
| 50412••C | 424 |
| 50412••SS | 424 |
| 5060-AA-•• | 55 |
| 5060-DA-•• | 53 |
| 5061212C | 424 |
| 5061212CLF | 424 |
| 507-•••• | 423 |
| 50712••C | 423 |
| 5071208SS | 423 |
| 5071212CLF | 423 |
| 50812••C | 423 |
| 50812••SS | 423 |
| 5081208CLF | 423 |
| 509-•••• | 423 |
| 509••12C | 423 |
| 5091212CLF | 423 |
| 5091212SS | 423 |
| 50-A-•• | 32 |
| 50-B-•• | 33 |
| 50-C-•• | 35 |
| 50-D-•• | 40 |
| 50-DC-•• | 47 |
| 50-DP-•• | 50 |
| 50-E-•• | 43 |
| 50-F-•• | 46 |
| 50-G-•• | 69, 70 |
| 50-G-TF-VI | 70 |
| 50-HP-SP | 66 |
| 5106 | 1001 |
| 5110-32 | 778, 1068 |
| 5111A | 435 |
| 5131212C | 422 |
| 5141212C | 423 |

| | Page # |
|---|---|
| 520••••• | 355 |
| 5200-SFI | 122, 1025 |
| 5200-SFI-3 | 122, 1025 |
| 5200-SFI-3-RK1 | 123, 1026 |
| 5200-SFI-3V-RK1 | 123, 1026 |
| 5200-SFI-RK1 | 123, 1026 |
| 5200-SFIV-RK1 | 123, 1026 |
| 5201-SFI | 122, 1025 |
| 5201-SFI-RK1 | 123, 1026 |
| 5205-RK4 | 1029 |
| 5404-• | 551 |
| 5404-•• | 551 |
| 5404-•-• | 551 |
| 5404-••-• | 551 |
| 5404-••-•• | 551 |
| 5406-•-• | 551 |
| 5406-••-• | 551 |
| 5406-••-•• | 551 |
| 5406C-• | 555 |
| 5406C-•• | 555 |
| 5500• | 139 |
| 5500-• | 551 |
| 5500•• | 139 |
| 5500-•• | 551 |
| 5500RK• | 139 |
| 5500RK•• | 139 |
| 5502-• | 553 |
| 5502-•• | 553 |
| 5504-• | 553 |
| 5504-•• | 553 |
| 5600-• | 554 |
| 5600-•• | 554 |
| 5601-• | 554 |
| 5601-•• | 554 |
| 5602-• | 554 |
| 5602-•• | 554 |
| 5604-• | 554 |
| 5604-•• | 554 |
| 5605-• | 554 |
| 5605-•• | 554 |
| 56RBSG-•• | 238 |
| 572-•••• | 441 |
| 572••••C | 441 |
| 574-•••• | 441 |
| 574••••C | 441 |
| 575-•••• | 441 |
| 575••••K | 441 |
| 578••••C | 419 |
| 585••12C | 421 |
| 5851212C | 1078 |
| 586••12C | 421 |

# Part Number Index


| | Page # |
|---|---|
| 588••12C | 421 |
| 5881212C | 1078 |
| 589••••K | 421 |
| 59-••• | 970 |
| 59•1616C | 374 |
| 590••••C | 420 |
| 590••••CLF | 420 |
| 590••••SS | 420 |
| 591••••C | 420 |
| 591••••N | 422 |
| 591••••NLF | 422 |
| 591••••WEPDM | 1011 |
| 591••12CLF | 420 |
| 591••12SS | 420 |
| 5911•1•W | 412, 1011 |
| 5911•1•WEPDM | 412 |
| 5911212F | 412 |
| 592••••K | 420 |
| 592••••KLF | 420 |
| 592••••KSS | 420 |
| 593••••C | 422 |
| 593••••CLF | 422 |
| 594••••C | 422 |
| 594••••CLF | 422 |
| 595••••K | 422 |
| 5951616K | 374 |
| 6 | 478 |
| 6•• | 241, 242, 477 |
| 6••• | 241, 242 |
| 6•••• | 939, 940, 941, 943, 944, 970, 971 |
| 6••-•• | 334 |
| 6•••-•• | 338 |
| 600-• | 68 |
| 6000-•• | 1021 |
| 6000-••C | 1023 |
| 6000-SSA | 1021 |
| 600-A-•• | 32 |
| 600-AA-•• | 55 |
| 600-A-ALH | 32 |
| 600-AL-•• | 61 |
| 600-ALT-•• | 119 |
| 600-ALT-AL | 1032 |
| 600AWBPST•• | 63 |
| 600AWSP•• | 63 |
| 600-B-•• | 33 |
| 600-B-ALH | 33 |
| 600-C-•• | 6, 35 |
| 600C-90•• | 59 |
| 600D-90•• | 59 |
| 600DA-45•• | 58 |
| 600DA-90•• | 58 |
| 600-D-ALH | 40 |
| 600-DC-•• | 47 |
| 600-DC-ALH | 47 |
| 600DC-L•• | 48 |
| 600-DD-•• | 55 |
| 600DD-45•• | 58 |
| 600DD-90•• | 58 |
| 600-DL-•• | 61 |
| 600-DLT-AL | 119, 1032 |
| 600-DP-•• | 50 |
| 600-DP-ALH | 50 |
| 600DWBPST•• | 62 |
| 600DWSP•• | 62 |
| 600-E-•• | 7, 43 |
| 600-E-ALH | 43 |
| 600-F-•• | 46 |
| 600-F-ALH | 46 |
| 600-G-•• | 69, 70 |
| 600GTF•• | 70 |
| 600GTHK | 69 |
| 600-HRP-•• | 66 |
| 6030-DA-•• | 53 |
| 6040-A-•• | 56 |
| 6040-D-•• | 57 |
| 6040-DA-•• | 53 |
| 6050-DA-•• | 53 |
| 60C-•• | 982 |
| 60NAB• | 237 |
| 60NAB•• | 237 |
| 60PT-•• | 983 |
| 60RB-•• | 239 |
| 61-••• | 912 |
| 6138 | 1001 |
| 61C-•• | 983 |
| 61CL-•• | 983 |
| 61NAB• | 238 |
| 61NAB•• | 238 |
| 61RB-•• | 239 |
| 61RBSG-•• | 238 |
| 62-••• | 912 |
| 6200 | 1020 |
| 6200• | 1020 |
| 6200•• | 1020 |
| 62C-•• | 979 |
| 62C-•••• | 979 |
| 62CBH-•• | 979 |
| 62NAB• | 235 |
| 62NAB•• | 235 |
| 62NBH•• | 235 |
| 62NFBH• | 235 |
| 62NFBH•• | 235 |
| 630• | 1021 |
| 630•NPT | 1021 |
| 6302••••WP2 | 993 |
| 6304••••WP2 | 993 |
| 63046056WP2 | 993 |
| 6306••••WP2 | 993 |
| 6315••••WP2 | 992 |
| 6316••••WP2 | 993 |
| 6322••••WP2 | 995 |
| 6325•••••WP2 | 992 |
| 6326••••WP2 | 994 |
| 6340••••WP2 | 993 |
| 6351••••WP2 | 994 |
| 6366••••WP2 | 995 |
| 6382••••WP2 | 995 |
| 6388••••WP2 | 995 |
| 639C-04 | 982 |
| 63NAB• | 238 |
| 63NAB•• | 238 |
| 63PT-•••• | 982 |
| 6400 | 1023 |
| 6401-•-• | 541 |
| 6401-••-• | 541 |
| 6401-••-•• | 541 |
| 6403-• | 541 |
| 6403-•• | 541 |
| 6405-•-• | 542 |
| 6405-••-• | 542 |
| 6405-••-•• | 542 |
| 6408HHP-• | 543 |
| 6408HHP-•• | 543 |
| 6410-•-• | 541 |
| 6410-•-•• | 541 |
| 6410-••-•• | 541 |
| 6410-40 | 778, 1068 |
| 64NAB• | 237 |
| 64NAB•• | 237 |
| 64P•LJ15 | 576 |
| 64P•SO15 | 576 |
| 64PFX•.••• | 590 |
| 650-•S | 282 |
| 6500 | 1020 |
| 6500-• | 545 |
| 6500-•• | 545 |
| 6500-•-• | 545 |
| 6500-•-•• | 545 |
| 6500-••-•• | 545 |
| 6500A | 1020 |
| 6501-••-•• | 546 |
| 6502-• | 546 |
| 6502-•• | 546 |
| 6503••••WP2 | 994 |
| 6505-•-• | 545 |
| 6505-••-• | 545 |
| 6505-••-•• | 545 |
| 6505••••WP2 | 992 |
| 6506-•-• | 545 |
| 6506-••-• | 545 |
| 6506-••-•• | 545 |
| 6508••••WP2 | 994 |
| 6509••••WP2 | 994 |
| 6521••••WP2 | 994 |
| 6530A | 1020 |
| 6530C | 1020 |
| 6579••••WP2 | 992 |
| 65NAB• | 236 |
| 65NAB•• | 236 |
| 66••X• | 240 |
| 66••X•• | 240 |
| 66•X• | 240 |
| 6600-• | 547 |
| 6600-•• | 547 |
| 6602-• | 547 |
| 6602-•• | 547 |
| 66C-•••• | 979 |
| 66NAB•• | 234 |
| 66NAB••• | 234 |
| 66NBH86 | 235 |
| 67RBSG-•• | 239 |
| 68••X• | 240 |
| 68••X•• | 240 |
| 68•X• | 240 |
| 68•X•• | 240 |
| 6803-• | 543 |
| 6803-•• | 543 |
| 682C-•••• | 980 |
| 688-•• | 567 |
| 68C-•••• | 978 |
| 68CIPUSH | 1059 |
| 68NAB••••VS | 234 |
| 68NAB•••VS | 234 |
| 68NAB••VS | 234 |
| 68RB-••••B | 239 |
| 68RBSG-•••• | 239 |
| 69••X• | 241 |
| 69••X•• | 241 |
| 69•X• | 241 |
| 69•X•• | 241 |
| 6901-•-• | 542 |

| | Page # |
|---|---|
| 6901-••-•• | 542 |
| 69NAB••••VS | 236 |
| 69NAB•••VS | 236 |
| 69NAB••VS | 236 |
| 69S••X•• | 242 |
| 69S•X• | 242 |
| 69S•X•• | 242 |
| 6D••-B | 198, 199 |
| 6-DBHU-6 | 975 |
| 6-DCAP | 977 |
| 6-DELU-6 | 976 |
| 6-DFC-• | 974 |
| 6-DFE-4 | 975 |
| 6-DFPLUG | 977 |
| 6-DMC-• | 974 |
| 6-DME-• | 975 |
| 6-DRATT-• | 975 |
| 6DS••-B | 200 |
| 6-DTMT-4 | 976 |
| 6-DTTT-6 | 976 |
| 6-DU | 975 |
| 6-DU-4 | 975 |
| 7 | 478 |
| 7•• | 477 |
| 7•••LP | 286 |
| 70••X• | 241 |
| 70•X• | 241 |
| 700013-••• | 268 |
| 7065•••• | 253 |
| 70NAB•• | 235 |
| 70NAB••• | 235 |
| 71••X• | 243 |
| 71••X•• | 243 |
| 71•X• | 243 |
| 71NAB•••VS | 237 |
| 71NAB••VS | 237 |
| 71S••X• | 243 |
| 71S••X•• | 243 |
| 71S•X• | 243 |
| 71S•X•• | 243 |
| 72••X• | 242 |
| 72••X•• | 242 |
| 72•X• | 242 |
| 72NAB•••VS | 237 |
| 72NAB••VS | 237 |
| 72S••X• | 243 |
| 72S••X•• | 243 |
| 72S•X• | 243 |
| 75-• | 68 |
| 7550-E-•• | 43 |
| 7550-F-•• | 46 |
| 75-A-•• | 32 |
| 75AWBPST•• | 63 |
| 75AWSP•• | 63 |
| 75-B-•• | 33 |
| 75-C-•• | 35 |
| 75-D-•• | 40 |
| 75-DC-•• | 47 |
| 75-DP-•• | 50 |
| 75DWBPST•• | 62 |
| 75DWSP•• | 62 |
| 75-E-•• | 43 |
| 75-F-•• | 46 |
| 75-G-•• | 69, 70 |
| 75-G-••• | 69, 71 |
| 75GTFACC | 71 |
| 75-G-TF-VI | 70 |
| 75-HP-SP | 66 |
| 75TH2R•••SS | 356 |
| 7600HP | 286 |
| 7610-48 | 778, 1068 |
| 7660•••• | 254 |
| 7665•••• | 254 |
| 7770•••• | 254 |
| 7775•••• | 254 |
| 7800MP | 286 |
| 7910•••• | 253 |
| 7982•••• | 253 |
| 7994•••• | 255 |
| 7995•••• | 255 |
| 7996•••• | 255 |
| 79NAB•••VS | 236 |
| 79NAB••VS | 236 |
| 8 | 478 |
| 8•• | 241, 477 |
| 8••• | 241, 413, 417 |
| 8•••• | 418 |
| 8••••H | 418 |
| 8••••LP | 287 |
| 800-• | 68 |
| 800-A-•• | 32 |
| 800-AL-•• | 61 |
| 800AWSP•• | 63 |
| 800-B-•• | 33 |
| 800-C-•• | 35 |
| 800-D-•• | 40 |
| 800-DC-•• | 47 |
| 800-DL-•• | 61 |
| 800-E-•• | 43 |
| 800-F-•• | 46 |
| 800-G-•• | 69 |
| 800-HNP-BR | 66 |
| 801-A-•• | 32 |
| 801AWBPST•• | 63 |
| 801AWSP•• | 63 |
| 801-DP-•• | 50 |
| 801-E-•• | 43 |
| 801-F-•• | 46 |
| 8060-DA-•• | 53 |
| 80B••-100HAF | 758 |
| 80B••-100HCF | 758 |
| 80B••-50HAF | 758 |
| 80B••-50HCF | 758 |
| 8170 | 1001 |
| 8180 | 1001 |
| 8320605 | 418 |
| 850 | 162 |
| 850••• | 587 |
| 851••• | 268 |
| 855 | 436 |
| 855A | 436 |
| 856-• | 436 |
| 856-•• | 436 |
| 860 | 437 |
| 861-•• | 437 |
| 875-4 | 1042 |
| 875-5 | 1042 |
| 8-DBHU-8 | 975 |
| 8-DCAP | 977 |
| 8-DELU-8 | 976 |
| 8-DFC-• | 974 |
| 8-DFE-8 | 975 |
| 8-DFPLUG | 977 |
| 8-DMC-• | 974 |
| 8-DME-8 | 975 |
| 8-DRATT-12 | 975 |
| 8-DTMT-• | 976 |
| 8-DTTM-• | 976 |
| 8-DTTT-8 | 976 |
| 8-DU | 975 |
| 8STBF8-V2 | 512 |
| 8STDP-A-V2 | 514 |
| 8STF10-V2 | 512 |
| 8STF8-V2 | 512 |
| 8ST-SKIT-V2 | 514 |
| 8VEPF8-SS | 516 |
| 8WF8 | 520 |
| 8WF8-HN | 520 |
| 900 | 1042 |
| 900• | 1042 |
| 900•34 | 1042 |
| 9000-48S | 281 |
| 900SK | 1042 |
| 900TK | 1042 |
| 900W••• | 1042 |
| 9076M | 268 |
| 90CDMHCB••••• | 843 |
| 90CREV•••• | 842 |
| 90CREV6030SS | 841 |
| 90CREV6030SS-P | 841 |
| 90CREV6030SSPAT | 841 |
| 90DCS••••F | 839 |
| 90DCS••••F-•• | 839 |
| 90DCS••••NYFD | 839 |
| 90DCS4025F-• | 839 |
| 90DCS4030NYFDSP | 839 |
| 90FR3C•••• | 837 |
| 90FR3C••••F | 837 |
| 90FRC•••• | 836 |
| 90FRC••••F | 836 |
| 90IRC•••• | 836 |
| 90IRC••••F | 836 |
| 90IRC4025G | 836 |
| 90IRC4025GF | 836 |
| 90ISCS4025F | 838 |
| 90PPA••• | 90 |
| 90PPC••• | 90 |
| 90PPD••• | 90 |
| 90PPF••• | 90 |
| 90SCS4025F | 838 |
| 90TCS••••F | 840 |
| 90TCS••••F-•• | 840 |
| 915• | 568 |
| 94••U•••• | 220 |
| 968 | 162 |
| 96P•LJ15 | 576 |
| 96P•SO15 | 576 |
| A• | 185 |
| A•• | 185 |
| A2E2 | 213 |
| A2E2-B | 213 |
| A3••-•••UC | 751 |
| A3••-••UC | 751 |
| A5••-50RAF | 777 |
| A5••-•••UC | 752 |
| A5••-••UC | 752 |
| A5••U••CBF | 752 |

# Part Number Index


| | Page # |
|---|---|
| A9 | 1096 |
| A21•-24 | 146 |
| A21••-24 | 146 |
| A21•-120 | 146 |
| A21••-120 | 146 |
| A•••-50RAF | 751 |
| A•••-50RAS | 751 |
| A•••-50RBF | 751 |
| A80MP-SFY••• | 680 |
| A80MP-U••• | 680 |
| A100C••A | 145 |
| A100CA1050 | 150 |
| A100CA1050V | 150 |
| A100CBLMTR | 150 |
| A100CSS••A | 145 |
| A100D• | 150 |
| A100HC••A | 145 |
| A100LT | 150 |
| A100MTR | 150 |
| A•••100RAF | 751 |
| A•••100RAS | 751 |
| A•••100RBF | 751 |
| A100SG-POLY | 150 |
| A100TT• | 150 |
| A200CA3P•• | 149 |
| A200CA5P•• | 149 |
| A200CB3P25 | 149 |
| A200PC••A | 147 |
| A200PHC••A | 147 |
| A200SA | 150 |
| A200SVA | 150 |
| A210-120TC | 150 |
| A210CR-• | 150 |
| A210PZH-24 | 150 |
| A240••• | 148 |
| A269.065-G400U | 694 |
| A269.083-G•••U | 694 |
| A269.083-R400U | 694 |
| A269.109-G600U | 694 |
| A269.109-R600U | 694 |
| A269-G•••U | 694 |
| A269-R•••U | 694 |
| A270.065-G•••P | 694 |
| A270.083-R400P | 694 |
| A270.109-R600P | 694 |
| A270-G•••P | 694 |
| A270-•••PM | 695 |
| A270-R•••P | 694 |
| A270-R••P | 694 |
| A270-R•••PL | 695 |
| A510-50••• | 752 |

| | Page # |
|---|---|
| A515-75••• | 752 |
| A515R50••• | 753 |
| A515Y50••• | 753 |
| A525-25••• | 752 |
| A525-50••• | 752 |
| A525-75••• | 752 |
| A540CSB0251 | 148 |
| A800OG• | 149 |
| A800OGJ• | 149 |
| A5150R50••• | 753 |
| A510100••• | 752 |
| A515100••• | 752 |
| A525100••• | 752 |
| AAPN75GHT | 414 |
| AB• | 180 |
| AB•• | 180 |
| AB••• | 34 |
| ABB1 | 180 |
| ABC•• | 419 |
| ABC1 | 180 |
| ABC250 | 819 |
| AB•••EZ | 34 |
| ABH••••• | 769 |
| ABH•••••F | 769 |
| ABN100• | 789 |
| ABN150• | 789 |
| AC••• | 36 |
| AC1 | 186, 1095 |
| AC7 | 73 |
| AC200TUBE | 65 |
| ACB304 | 386 |
| AC•••EZ | 38 |
| AC•••EZSWIV | 25 |
| ACL• | 74 |
| ACL8 | 186, 1095 |
| ACPSO150 | 789 |
| ACPSO150F | 789 |
| AD••• | 41 |
| AD400ALEZMTC | 125 |
| AD90400•• | 59 |
| ADA•••• | 54 |
| ADA••••EZ | 54 |
| ADD••• | 55 |
| ADD•••• | 55 |
| AD•••EZ | 42 |
| AD•••EZSWIV | 25 |
| ADH45F••F | 834 |
| ADH45M••F | 834 |
| ADH90F••F | 834 |
| ADH90M••F | 834 |
| ADHC•••F | 834 |

| | Page # |
|---|---|
| ADPW | 915 |
| ADS400 | 64 |
| ADS••GR | 149 |
| ADS•GR | 149 |
| ADS••GR-IB | 149 |
| ADS•GR-IB | 149 |
| ADV150F | 871 |
| A•F• | 212 |
| A•F••B | 212 |
| AFC•••F-TGWP | 820 |
| AFN••• | 788 |
| AFN•••NST | 788 |
| AG•• | 957 |
| AG3F3-PV | 1092 |
| AG•BF• | 493 |
| AG•BF••PV | 493 |
| AG•DC | 493 |
| AGE•F••PV | 493 |
| AGE•OF••PV | 493 |
| AG•F• | 493, 1091, 1092 |
| AG•F••PV | 493, 1092 |
| AG•OF• | 493, 1092 |
| AG•OF••PV | 493 |
| AH••• | 48 |
| AHA••••ADP | 64, 814 |
| AHA••BSP••T | 925 |
| AHDBF75 | 915 |
| AH•••EZ | 49 |
| AHGV250 | 859 |
| AHGV250F | 859 |
| AHGV250F-• | 859 |
| AHW | 828 |
| AHWPT | 829 |
| AK3526-300FL | 785 |
| AK4450NST | 785 |
| AKSP1 | 186 |
| AKSP25 | 186 |
| AL••• | 403, 404, 405, 408, 409 |
| AL9 | 402 |
| AL455F | 405 |
| ALBEZ••• | 24 |
| ALC•••EZ | 29, 176 |
| ALCEZ••• | 24 |
| ALDEZ••• | 24 |
| ALH•••EZ | 30 |
| ALHEZ••• | 24 |
| ALTG•••F | 1062 |
| AL-TPR••-•• | 408 |
| AL•••XX | 403 |
| A•M• | 212 |
| AM• | 180, 181, 264 |

| | Page # |
|---|---|
| AM7 | 1096 |
| AM7T | 184 |
| AM8 | 1096 |
| AM11WF-1 | 184 |
| A•M•-B | 212 |
| AMB1 | 180 |
| AMC1 | 180 |
| AMF•• | 266 |
| AM•SWIV | 184 |
| AM••WF | 184 |
| AM•WF | 184 |
| ANH•• | 187 |
| ANH••• | 187 |
| ANSI•• | 964 |
| ANT••• | 791 |
| ANT•••F | 791 |
| APN•••• | 951 |
| APRD•••F | 868 |
| AQ62DOT• | 228 |
| AQ64DOT• | 229 |
| AQ68DOT•X• | 228 |
| AQ69DOTS•X• | 228 |
| AQ69DOT•X• | 228 |
| AQ71DOTS•X• | 229 |
| AQ72DOTS•X• | 229 |
| AR3000-A2 | 405 |
| AR3500 | 408 |
| AR5000-1 | 409 |
| AR20831 | 409 |
| AR503830SSP | 409 |
| AR-BROOM16 | 408 |
| AREP400AS | 848 |
| AR-REEL100 | 409 |
| ARSMSA•••F | 809 |
| ARSMSA••F••T | 809 |
| ARTEL18A | 404 |
| ARTEL-BELT | 404 |
| A•S• | 212 |
| A•S••B | 212 |
| ASB•• | 187 |
| ASB••• | 187 |
| ASBDV•• | 864 |
| ASC••• | 187 |
| ASHV1015F | 871 |
| ASP310•-40 | 269 |
| ASP310•-90 | 269 |
| ASP-•BV | 271 |
| AST• | 358 |
| AST•• | 358 |
| ASTB•• | 359 |
| ASTB••• | 359 |

| | Page # |
|---|---|
| ATC40ASSDDA | 126 |
| ATCA40 | 124 |
| ATCF40 | 124 |
| ATCF40-90 | 124 |
| ATCG40-90 | 124 |
| ATCGF40 | 124 |
| ATCS40 | 124 |
| ATCT•• | 125 |
| ATN100X7 | 133 |
| ATS7838F | 227 |
| ATS7838M | 227 |
| ATS••••H | 227 |
| ATTFST40CS | 10 |
| AV••• | 852, 855 |
| AV•••-• | 852 |
| AV5-250F | 853 |
| AV5-250NYFD | 853 |
| AV250NYFD | 852 |
| AV250NYFD-I | 854 |
| AV251-N | 855 |
| AV251NYC | 855 |
| AV251NYFD | 855 |
| AVAPR•••F | 869 |
| AVAPRF••• | 869 |
| AVAPR•••F-I | 869 |
| AVAPRF•••-I | 869 |
| A•VC•-MG | 997 |
| AVF••• | 776, 852, 855 |
| AVF5-250 | 853 |
| AVF•••-I | 854 |
| AVG250• | 853 |
| AVGF250 | 853 |
| AV•••-I | 854 |
| AVN••••-200 | 966 |
| AV•••-RBR | 852, 855 |
| AV•••S | 852 |
| AV•••-W | 866 |
| AV•••-WR | 855 |
| AWR4 | 186, 1095 |
| AWR14 | 186 |
| AWS6 | 186 |
| AWSG | 396 |
| AWSG-TG | 395 |
| AWSG-W | 396 |
| B• | 154, 157, 161 |
| B•• | 154, 157, 161, 162 |
| B2C-G••• | 634 |
| B2CI-G••• | 640 |
| B2CM31MPG•••••• | 602 |
| B2CMP-G••• | 602 |
| B2CMP-G•••• | 602 |
| B2CMPL-R•• | 602 |
| B2CMP-R•• | 602 |
| B2CMP-R••• | 602 |
| B2CM-R•• | 616 |
| B2CM-R••• | 616 |
| B2E-G••• | 634 |
| B2EI-G••• | 640 |
| B2F-G••• | 634 |
| B2FI-G••• | 640 |
| B2FMP-14-G••• | 602 |
| B2FP-G••• | 616 |
| B2KM-G••• | 616 |
| B2KMP-G••• | 602 |
| B2KMP-G•••• | 602 |
| B2KMP-R•• | 602 |
| B2KMP-R••• | 602 |
| B2KM-R••• | 616 |
| B2KS-G•••P | 615 |
| B2KS-G•••U | 625 |
| B2KS-R•••P | 615 |
| B2KS-R••P | 615 |
| B2KS-R•••U | 625 |
| B2KS-R••U | 625 |
| B2P-G100 | 634 |
| B2SC | 156 |
| B2S-G•••P | 615 |
| B2S-G••P | 615 |
| B2S-G•••U | 625 |
| B2S-R•••P | 615 |
| B2S-R••P | 615 |
| B2S-R•••U | 625 |
| B2S-R••U | 625 |
| B2SXL12-R••• | 617 |
| B2SXL18-R••• | 617 |
| B2SXL24-R••• | 617 |
| B2SXL36-R••• | 617 |
| B2SXLMP12-R••• | 603 |
| B2SXLMP18-R••• | 603 |
| B2SXLMP24-R••• | 603 |
| B2SXLMP36-R••• | 603 |
| B2T-G••• | 616 |
| B2WCL-G••••P | 615 |
| B2WCL-G•••P | 615 |
| B2WCL-G••••U | 625 |
| B2WCL-G•••U | 625 |
| B2WCL-R••••P | 615 |
| B2WCL-R•••P | 615 |
| B2WCL-R••P | 615 |
| B2WCL-R••••U | 625 |
| B2WK-G••••P | 615 |
| B2WK-G•••P | 615 |
| B2WK-G••••U | 625 |
| B2WK-G•••U | 625 |
| B2WK-R••••P | 615 |
| B2WK-R•••P | 615 |
| B2WK-R••P | 615 |
| B2WK-R••••U | 625 |
| B2WK-R•••U | 625 |
| B2WK-R••U | 625 |
| B2WUL-R•••P | 623 |
| B2WUL-R•••U | 628 |
| B2WUMP-R••• | 612 |
| B6-1 | 157 |
| B07-202•GC | 317 |
| B07-•••AG | 318 |
| B07-•••MG | 318 |
| B7MMW-G••• | 619 |
| B7MP-G••• | 604 |
| B7MP-G•••• | 604 |
| B7MP-R•• | 604 |
| B7MP-R••• | 604 |
| B7MPS-G••• | 604 |
| B7MPS-R••• | 604 |
| B7RMP-G•••••• | 604 |
| B7RMP-R••••• | 604 |
| B7RMP-R•••••• | 604 |
| B7RMP-R7550 | 604 |
| B7RWWW-G••••••P | 618 |
| B7RWWW-G••••••U | 626 |
| B7RWWW-R••••••P | 618 |
| B7RWWW-R•••••P | 618 |
| B7RWWW-R••••P | 618 |
| B7RWWW-R••••••U | 626 |
| B7RWWW-R•••••U | 626 |
| B7W-G•••P | 618 |
| B7W-G•••U | 626 |
| B7WMM-G••• | 619 |
| B7W-R•••P | 618 |
| B7W-R••P | 618 |
| B7W-R•••U | 626 |
| B7W-R••U | 626 |
| B7WWM-G••• | 619 |
| B7WWM-R•• | 619 |
| B7WWM-R••• | 619 |
| B7WWW-G••••••P | 618 |
| B7WWW-G•••U | 626 |
| B7WWW-R••••••P | 618 |
| B7WWW-R••••P | 618 |
| B7WWW-R•••U | 626 |
| B08-02AG | 290 |
| B08-02MGMB | 290 |
| B9MP-G••• | 612 |
| B9MP-R••• | 612 |
| B9WWWW-G•••P | 623 |
| B9WWWW-R•••P | 623 |
| B14C31-G•••••• | 605 |
| B16W-G••• | 621 |
| B16W-R•• | 621 |
| B16W-R••• | 621 |
| B17-08AGMB | 328 |
| B17-08MGMB | 328 |
| B18-••AG | 302 |
| B18-••AGMB | 302 |
| B18-••MG | 302 |
| B18-••MGMB | 302 |
| B19MPV-R••• | 666 |
| B19MPX-R••• | 666 |
| B19WB-G••• | 622 |
| B19WB-R•• | 622 |
| B19WB-R••• | 622 |
| B19WV-R••• | 666 |
| B19WX-R••• | 666 |
| B22WB-G••• | 622 |
| B22WB-R•• | 622 |
| B22WB-R••• | 622 |
| B23BMP-G••• | 607 |
| B23BMP-G••••• | 607 |
| B23BMP-G•••••• | 607 |
| B23BMP-R••• | 607 |
| B23BMP-R•••• | 607 |
| B23BMP-R••••• | 607 |
| B24-BM-G••• | 702 |
| B24-BMR6-G••• | 702 |
| B24-BMTC-G••• | 702 |
| B24-HP-G••• | 701 |
| B24HS-G•• | 699 |
| B24HS-G••• | 699 |
| B24-PHC-G••• | 703 |
| B24-PHCL-G••• | 703 |
| B24-PHC-PHCL | 703 |
| B24-PH-G••• | 703 |
| B24-PHL-G••• | 703 |
| B24-PHR6-G••• | 703 |
| B24-PHR6L-G••• | 703 |
| B24-PHRL-G075 | 703 |
| B24-PHRL-PHR6L | 703 |
| B24PS-G•• | 699 |
| B24PS-G••• | 699 |
| B24PS-G•••• | 699 |
| B24PV-G•• | 667 |
| B24PV-G••• | 667 |

# Part Number Index


| | Page # |
|---|---|
| B24RGC-G•• | 697 |
| B24RGC-G••• | 697 |
| B24RG-G•• | 696 |
| B24RG-G••• | 696 |
| B24RG-G•••• | 696 |
| B24RGSFY-G•• | 696 |
| B24RGSFY-G••• | 696 |
| B24RGSFY-G•••• | 696 |
| B24RPH-G•• | 700 |
| B24RPH-G••• | 700 |
| B24RV-G•• | 667 |
| B24RV-G••• | 667 |
| B24V-BM-G••• | 669 |
| B24V-BMR6-G••• | 669 |
| B24V-PHC-G••• | 670 |
| B24V-PHCL-G••• | 670 |
| B24V-PH-G••• | 670 |
| B24V-PHL-G••• | 670 |
| B24V-PHR6-G••• | 670 |
| B24V-PHR6L-G••• | 670 |
| B24V-TM-G••• | 668 |
| B24V-WP-G••• | 668 |
| B24-WP-G••• | 701 |
| B25-G•••••• | 704 |
| B25-G••••••• | 704 |
| B25-G•••••••• | 704 |
| B28-••AG | 303 |
| B28-••AGMB | 303 |
| B28AMP-R••• | 612 |
| B28BMP-R••• | 612 |
| B28-••MG | 303 |
| B28-••MGMB | 303 |
| B28WA-R•••P | 623 |
| B28WA-R•••U | 628 |
| B28W-R•••U | 628 |
| B31M-G•••••• | 620 |
| B31M-R•••• | 620 |
| B31M-R••••• | 620 |
| B31M-R•••••• | 620 |
| B31RMP-G•••••• | 600 |
| B31TP-G•••••• | 635 |
| B31TT-G•••••• | 635 |
| B31W-G••••••••P | 620 |
| B31W-G•••••••P | 620 |
| B31W-G••••••U | 627 |
| B31WMP-G•••••• | 600 |
| B31WMP-R•••••• | 600 |
| B31W-R••••••••P | 620 |
| B31W-R•••••••P | 620 |
| B31W-R••••••P | 620 |
| B31W-R•••••P | 620 |
| B31W-R••••P | 620 |
| B31W-R••••U | 627 |
| B32W-G••••••P | 621 |
| B32W-G••••••U | 627 |
| B32W-R••••••P | 621 |
| B32W-R•••••P | 621 |
| B32W-R••••P | 621 |
| B32W-R••••••U | 627 |
| B32W-R•••••U | 627 |
| B32W-R••••U | 627 |
| B38MP-R••• | 613 |
| B38SL-G••• | 624 |
| B38SL-G•••• | 624 |
| B38SL-R••• | 624 |
| B38SL-R•••• | 624 |
| B38W-R••• | 624 |
| B38W-R•••• | 624 |
| B45AB-R••• | 745 |
| B45AB-R100150 | 745 |
| B45BC-R••• | 745 |
| B45BC-R100150 | 745 |
| B45BY-RK••• | 744 |
| B45BY-SK••• | 744 |
| B45BY-SKV••• | 744 |
| B45BY-TB••• | 744 |
| B45CC-R••• | 745 |
| B45CC-R100150 | 745 |
| B54BMPLX-R••• | 724 |
| B54BMP-R••• | 723 |
| B54BMP-R•••X | 723 |
| B54BMPS-GL••• | 724 |
| B54BMP-SK••• | 723, 724 |
| B54BMPS-LX••• | 724 |
| B54BMPS-R••• | 724 |
| B54BMP-VK••• | 724 |
| B54G-P••• | 723 |
| B72G-•AG | 326 |
| B72G-•AG-MB | 326 |
| B72G-•MG | 326 |
| B72G-•MG-MB | 326 |
| B73G-•AG | 327 |
| B73G-•AG-MB | 327 |
| B73G-•MG | 327 |
| B73G-•MG-MB | 327 |
| B74G-•AG | 327 |
| B74G-•AG-MB | 327 |
| B74G-•MG | 327 |
| B74G-•MG-MB | 327 |
| B3114MP-G•••••• | 605 |
| B3114MP-R•••• | 605 |
| B3114MP-R••••• | 605 |
| B3114MP-R•••••• | 605 |
| B3214MP-R•••• | 606 |
| B3214MP-R••••• | 606 |
| B3214MP-R•••••• | 606 |
| B3401-•-• | 556 |
| B3401-••-•• | 556 |
| B3455-•-• | 556 |
| B3455-••-•• | 556 |
| B3800-•-• | 556 |
| B3800-••-•• | 556 |
| B3801-•-• | 556 |
| B3801-••-•• | 556 |
| B5101E•••CC-A | 738 |
| B5101E•••CC-B | 739 |
| B5101E•••CC-C | 740 |
| B5101-RKE••• | 740 |
| B5101-RKS••• | 740 |
| B5101-RKV••• | 740 |
| B5101S•••CC-A | 738 |
| B5101S•••CC-B | 739 |
| B5101S•••CC-C | 740 |
| B5101V•••CC-A | 738 |
| B5101V•••CC-B | 739 |
| B5101V•••CC-C | 740 |
| B5102E•••-A | 741 |
| B5102-RKE••• | 741 |
| B5102-RKS••• | 741 |
| B5102-RKV••• | 741 |
| B5102S•••-A | 741 |
| B5102V•••-A | 741 |
| B5107-RKE800 | 740 |
| B5115-RKS••• | 742 |
| B5115S•••BB-C | 742 |
| B5115S•••CC-C | 742 |
| B5416MP-A••• | , 723 |
| B5416MP-A100150 | , 723 |
| BA•• | 423 |
| BA••• | 423, 424 |
| BA31-••• | 97, 1040 |
| BA32-••• | 97, 1040 |
| BA61-••• | 97, 1040 |
| BA62-••• | 97, 1040 |
| BA97• | 424 |
| BA776 | 423 |
| BAC-••• | 97, 1040 |
| BA•F•F | 449, 922 |
| BA••K1-••• | 97, 1040 |
| BAS97• | 424 |
| BB• | 161 |
| BB•• | 154 |
| BB••• | 34 |
| BB3-0•AG | 289 |
| BB3-0•MGMB | 289 |
| BB•••EZ | 34 |
| BBFVW••• | 903 |
| BBFVW•••E | 903 |
| BBLV•• | 264, 876 |
| BBLV••• | 876 |
| BBN75 | 779 |
| BBN75GHT | 779 |
| BBN100 | 779 |
| BBN100NST | 779 |
| BBU• | 161 |
| BBU•• | 161 |
| BBV•• | 875 |
| BBV••• | 875 |
| BBV75FP | 875 |
| BBV75LV | 1101 |
| BBV•••DTW | 881 |
| BBV••DTW | 881 |
| BBV•••DW | 880 |
| BBV•••DWV | 880 |
| BBV•••FP | 875 |
| BBV•••LV | 877 |
| BBV••LV | 877 |
| BBV•••SR | 876 |
| BBV••SR | 876 |
| BBV•••ST | 877 |
| BBV••ST | 877 |
| BBV•••TW | 881 |
| BBV••TW | 881 |
| BBV•••VT | 877 |
| BBV••VT | 877 |
| BC•• | 420 |
| BC••• | 36 |
| BC61-••• | 96, 1039 |
| BC62-••• | 96, 1039 |
| BCC-••• | 613 |
| BCCR-••• | 613 |
| BC•••EZ | 38 |
| BCF•• | 420 |
| BC••K1-200 | 96, 1039 |
| BCM•• | 420 |
| BCN•• | 451, 928 |
| BCN••• | 451, 928 |
| BCP-••• | 97, 1040 |
| BCV••• | 276, 912 |
| BCW-••• | 624, 628 |
| BD | 161 |
| BD••• | 41 |
| BD•••EZ | 42 |
| BDS•• | 556 |
| BEC•• | 966 |

| | Page # |
|---|---|
| BF••• | 427, 433 |
| BF•••• | 433 |
| BF30•-•••-••• | 733 |
| BF302•-•••-••• | 733 |
| BFAR••• | 955 |
| BFAR•••• | 955 |
| BFC••• | 276, 904 |
| BFC•••• | 276, 904 |
| BFL••• | 433 |
| BFM•••B | 433 |
| BFMW•••• | 433 |
| BFN••• | 780 |
| BFN75 | 780 |
| BFN75GHT | 780 |
| BFNE150 | 780 |
| BFNE150NST | 780 |
| BFN•••NST | 777, 780 |
| BFO••• | 458 |
| BFP200 | 870 |
| BFS•• | 428 |
| BFS••• | 428 |
| BFSE••• | 955 |
| BF••SS | 427 |
| BFVL••• | 903 |
| BFVL•••E | 903 |
| BFVW••• | 903 |
| BFW••• | 433 |
| BFW•••• | 433 |
| BGB• | 153, 154 |
| BGB•• | 153, 154 |
| BGE•• | 279 |
| BGE6 | 279 |
| BGF•• | 153 |
| BGH•• | 421 |
| BGHF•• | 421 |
| BGHM•• | 421 |
| BGV•• | 900 |
| BGV••• | 900 |
| BH••• | 48 |
| BH6 | 66 |
| BH•••EZ | 49 |
| BHSC34 | 66 |
| BHSC152 | 66 |
| BHSC175 | 66 |
| BHT•••• | 935 |
| BIA250• | 849 |
| BIB250• | 849 |
| BIC••• | 850 |
| BID250• | 849 |
| BIDC250 | 850 |
| BIDP250 | 850 |

| | Page # |
|---|---|
| BIT-KIT | 402 |
| BL••• | 1041 |
| BLCA152CS | 73 |
| BL•••NS | 1041 |
| BL-RK• | 1041 |
| BL-RK•• | 1041 |
| BL-RK••• | 1041 |
| BLS•• | 374 |
| BLS••• | 374, 422 |
| BLS8•8 | 374 |
| BLS•••NST | 375 |
| BLS••NST | 375 |
| BLT••••• | 968 |
| BM• | 368, 428 |
| BM•-• | 368, 428 |
| BM•• | 368, 428 |
| BMA••• | 424 |
| BMAS••• | 395 |
| BMS• | 159 |
| BMS•• | 159 |
| BMV•• | 876 |
| BMV100 | 876 |
| BN• | 414, 782 |
| BN•• | 426, 782 |
| BN••• | 276, 426, 905 |
| BN•••• | 276, 905 |
| BN••BSPT | 427 |
| BN••F | 782 |
| BNH•• | 187 |
| BNH••• | 187 |
| BN••NYFD | 782 |
| BN•••RU•• | 446 |
| BN••RU•• | 446 |
| BN•••RU••SS | 446 |
| BN••RU••SS | 446 |
| BNS•• | 395 |
| BNS••SS | 395 |
| BNT•••F | 782 |
| BOC-T•• | 1016 |
| BP40-••• | 946 |
| BP40-•••T••• | 946 |
| BP80-••• | 946 |
| BP80-•••T••• | 946 |
| BPF•• | 439 |
| BPF••• | 439 |
| BPFS•• | 440 |
| BPM• | 440 |
| BPM•• | 440 |
| BPN•• | 438 |
| BPN••• | 438 |
| BR•••• | 919, 1000 |

| | Page # |
|---|---|
| BR1GM•-B-E-7 | 211 |
| BR1M•-B-E-7 | 211 |
| BR1S•.••-B-E-7 | 211 |
| BR••••B | 920 |
| BR••••FS | 920 |
| BR••••G | 919 |
| BRN150 | 781 |
| BRN150NST | 781 |
| BRN150NST-I | 781 |
| BRN150S-I | 781 |
| BR••••SS | 920 |
| BS•• | 162 |
| BS••-•••-••• | 734 |
| BS••• | 371, 373 |
| BS•••-•••-••• | 734 |
| BS••••-•••-••• | 734 |
| BS8•8 | 373 |
| BS61-••• | 96, 1039 |
| BS62-••• | 96, 1039 |
| BS808 | 420 |
| BS818 | 420 |
| BS848 | 420 |
| BSA•• | 395 |
| BSB-•• | 1013 |
| BSB-••-•• | 1013 |
| BSB-••-••• | 1013 |
| BSB•• | 187 |
| BSB••• | 187 |
| BSB-20Z | 1013 |
| BSB-••T | 1013 |
| BSB-••T-••• | 1013 |
| B••SC | 156, 264 |
| BSC••• | 187 |
| BSCCQ3-R••• | 732 |
| BSCCQ4-R••• | 732 |
| BSCCQ•-R••• | 732 |
| BSCCS•-R••• | 732 |
| BSM•• | 452, 929 |
| BS••N | 371 |
| BSO150-H | 782 |
| BSO150NST | 782 |
| BSO150S | 782 |
| BSS61-••• | 96, 1039 |
| BSS62-••• | 96, 1039 |
| BSS••K1-••• | 96, 1039 |
| BST• | 358 |
| BST•• | 358 |
| BSVD-HC•••B••• | 749 |
| BSVS-HC•••B••• | 749 |
| BTB-T•• | 1016 |
| BTB-T••Z | 1016 |

| | Page # |
|---|---|
| BTG-KIT | 1057 |
| BTN75 | 413, 782 |
| BU• | 161 |
| BU•• | 161, 162 |
| BU29 | 1097 |
| BV2• | 274, 908 |
| BV2CV-•••CC-A | 736 |
| BV2GG-•••CC-A | 737 |
| BV2IGN•••11-A | 884 |
| BV2IGN•••33-A | 884 |
| BVDSO••• | 790 |
| BVDSO150NST | 790 |
| BVFS•• | 914 |
| BVSO••• | 790 |
| BVSO150-125 | 790 |
| BVSO150NST-125 | 790 |
| BVSO•••NST | 790 |
| BVTSO150 | 790 |
| BVTSO150-200 | 790 |
| BVTSO150NST-200 | 790 |
| BVTSO•••NST | 790 |
| BWSG | 396 |
| BWSG-TI | 398 |
| BWSG-W | 396 |
| BZ4051 | 1028 |
| BZ4051S | 1028 |

| | |
|---|---|
| C•• | 959 |
| C••• | 959 |
| C03-0•A | 291 |
| C03-0•AMB | 291 |
| C03-0•M | 291 |
| C03-0•MMB | 291 |
| C6•••-SFKIT | 566 |
| C08-02A | 291 |
| C08-02AMB | 291 |
| C08-02M | 291 |
| C08-02MMB | 291 |
| C16-••A | 306 |
| C16-••AMB | 306 |
| C16-••M | 306 |
| C16-••MMB | 306 |
| C18-••A | 307 |
| C18-••AMB | 307 |
| C18-••M | 307 |
| C18-••MMB | 307 |
| C26-••A | 307 |
| C26-••AMB | 307 |
| C26-••M | 307 |
| C26-••MMB | 307 |

# Part Number Index


| | Page # |
|---|---|
| C28-••M | 308 |
| C28-••MMB | 308 |
| C31-08FRAME | 310 |
| C31-••A | 308 |
| C31-••AMB | 308 |
| C31-••M | 308 |
| C31-••MMB | 308 |
| C119-••AMB | 343 |
| C119-••MMB | 343 |
| C614K••••PSW | 565 |
| C6100F•••• | 566 |
| C6143K••••NPT | 564 |
| C6145F•••• | 566 |
| C6146K••••SAE | 564 |
| C6161••••PSW | 565 |
| C6190F•••• | 566 |
| C6200F•••• | 566 |
| C6244K••••NPT | 564 |
| C6245F•••• | 566 |
| C6245••••NPT | 564 |
| C6248K••••SAE | 564 |
| C6249••••SAE | 564 |
| C6259K••••PSW | 565 |
| C6260••••PSW | 565 |
| C6290F•••• | 566 |
| C32112M | 287 |
| C33112L | 287 |
| C61104••••NPT | 564 |
| C61106••••SAE | 564 |
| CAB••• | 370 |
| CAB•••N | 371 |
| CAL•• | 74 |
| CAMOPENER | 28 |
| CAP•••FABS | 817 |
| CAP•••F-C | 817 |
| CAP•••F-C-LH | 817 |
| CAP•••SABS | 817 |
| CAP•••S-C | 817 |
| CB | 154 |
| CB6-••AG | 302 |
| CB6-••AGMB | 302 |
| CB6-••MG | 302 |
| CB6-••MGMB | 302 |
| CBB••• | 370 |
| CBC•• | 419 |
| CBG25 | 283 |
| CBSR••• | 592 |
| C•••BU | 959 |
| C••BU | 959 |
| CC | 157 |
| CC•••• | 282 |

| | Page # |
|---|---|
| CD | 161, 185 |
| CDMHCB••••• | 843 |
| CF400-••CSHD | 12, 173 |
| CF400-•CSHD | 12, 173 |
| CFB75GHT | 787 |
| CFB•••NST | 787 |
| CFB••••S | 787 |
| CFB•••S | 787 |
| CF•••-••CS | 13, 14 |
| CF•••-•CS | 13, 14 |
| CFFR150 | 788 |
| CFFR150NST | 788 |
| CFG•••NST | 787 |
| CFG•••S | 787 |
| CFR-•• | 773 |
| CFR47-1-••• | 773 |
| CFR47-150-••• | 773 |
| CFR47-C• | 773 |
| CFS800-•CS | 11, 166 |
| CF•••-••SS | 13, 14 |
| CF•••-•SS | 13, 14 |
| CG••• | 472 |
| CGN•••NST | 784 |
| CGSN•••F | 784 |
| CGSN•••S | 784 |
| CH-B-• | 73 |
| CH-B-•• | 73 |
| CH-C-•• | 73 |
| CH-SS-• | 73 |
| CH-SS-•• | 73 |
| CI9 | 1059 |
| CI96 | 1059 |
| CI96AH | 1059 |
| CI9311SML | 1059 |
| CILR••• | 592 |
| CILR••0CS | 591 |
| CILR•••CS | 11 |
| CJ2BF•-LG | 206 |
| CJ2F•-LG | 206 |
| CJ2M2-B | 280 |
| CJ3BF• | 206 |
| CJ3BM• | 206 |
| CJ3F• | 206 |
| CJ3M• | 206 |
| CJ•BF•-B | 206 |
| CJ•BM•-B | 206 |
| CJ•BM•-LG | 206 |
| CJ•F•-B | 206 |
| CJ•M•-B | 206 |
| CJ•M•-LG | 206 |
| CL•••• | 999 |

| | Page # |
|---|---|
| CM•F• | 535 |
| CMF•• | 271 |
| CM•F•-B | 535 |
| CM•M•-B | 535 |
| CM•M•-B-L• | 535 |
| CM•M•-B-L•.• | 535 |
| CN | 113 |
| CN••• | 928 |
| CN•••B | 450, 927 |
| CNB75GHT | 414 |
| CNB75GHT-GD | 414 |
| CN•••G | 928 |
| CN-P | 113 |
| CN-PLUG | 113 |
| CN•••SS | 928 |
| CPV•••F | 870 |
| CR | 464 |
| CR-C | 113 |
| CR-CAP | 113 |
| CR-S | 113 |
| CRWC | 464, 1081 |
| CS••• | 472 |
| CS•••-••AL | 15, 16 |
| CS•••-•AL | 15, 16 |
| CSB••• | 371 |
| CS•••-••CS | 15, 16 |
| CS•••-•CS | 15, 16, 364 |
| CSC-T••-1 | 1017 |
| CSC-T••-2 | 1017 |
| CSCTF25F30T-• | 845 |
| CSCTM25F30T-• | 845 |
| CSES150F | 832 |
| CSES150T | 832 |
| CSES2015F | 832 |
| CSM••• | 371 |
| CSN75 | 413 |
| CSS•••-••CS | 364 |
| CSS•••-•CS | 364 |
| CSSF150T | 772 |
| CSSR••• | 592 |
| CSSR•••-3A | 592 |
| CSSR•••CS | 11, 591 |
| CS•••-••SS | 15, 16 |
| CS•••-•SS | 15, 16 |
| CSSTF••F••T-• | 844 |
| CSSTM••30T-• | 844 |
| CTER••• | 592 |
| CT•••L | 463 |
| C••V | 959 |
| CV••• | 913 |
| CVS•• | 73 |

| | Page # |
|---|---|
| CVV••DC | 530 |
| CVV•DC | 530 |
| CVV••F•• | 529 |
| CVV•F• | 529 |
| CVV•FM•••• | 529 |
| CVV•OF• | 529 |
| CWG-C-•.••-•• | 1018, 1070 |
| CWG-S-•.••-•• | 1018, 1070 |
| CWH50 | 410 |
| D•• | 264, 274, 908, 916 |
| D••• | 284, 768 |
| D••••• | 766, 768 |
| D2•• | 201 |
| D2B2-B | 201 |
| D2C••-••• | 95 |
| D-4HF4-S-FNS | 484 |
| D-4HF4-S-FSB | 484 |
| D-4HF4-SS-FNS | 484 |
| D-4HF4-SS-FSB | 484 |
| D18-04M | 309 |
| D18-04MMB | 309 |
| D28-••MMB | 309 |
| D34•• | 266 |
| D75AL | 916 |
| D150SDB | 397 |
| D150S-WAND | 397 |
| D201 | 279 |
| D201RT | 278 |
| D204-30 | 277 |
| D204-30P | 277 |
| D204-30SB | 277 |
| D263 | 766 |
| D263F | 766 |
| D605 | 279 |
| D815-25••• | 753 |
| D815-50••• | 753 |
| D815Y50••• | 753 |
| D815Y100••• | 753 |
| D817Y50RAF | 753 |
| D825-25••• | 753 |
| D825-50••• | 753 |
| D825Y50RAF | 753 |
| D825Y100RAF | 753 |
| D8325Y50RAF | 753 |
| D11023BL• | 793 |
| D156020• | 793 |
| D815100••• | 753 |
| D825100••• | 753 |
| DAA•••AL | 104 |

| | Page # |
|---|---|
| DAB•• | 1045 |
| DAC•••• | 1045 |
| DAC•••AL | 103 |
| DAC•••ALBSP | 103 |
| DADC250 | 104 |
| DADP250 | 103 |
| DATL••• | 267 |
| DATL016 | 1100 |
| DATL016W | 1100 |
| DATL•••W | 267, 1100 |
| DAWS•• | 1045 |
| D•B• | 201 |
| DB• | 158 |
| DB•• | 158 |
| DB11023• | 793 |
| DBA••-••• | 94 |
| DBA••-1520 | 94 |
| DBAF••-••• | 94 |
| DBAF••-•••• | 94 |
| DBAV73-2030 | 95 |
| DBC••-••• | 93 |
| DBC62LVPR-300 | 121 |
| DBC••-•••-GL | 93 |
| DBCL-••• | 93 |
| DBD550• | 793 |
| DBD1560• | 793 |
| D•BF• | 197 |
| DBGV•• | 900 |
| DBGV••• | 900 |
| D•BM• | 197 |
| DBS••-••• | 93 |
| DBV-BL••• | 962 |
| DBV-BN••• | 962 |
| DBV-VB••• | 962 |
| DBV-WB••• | 962 |
| DC• | 217, 222 |
| DC•• | 217, 224, 225 |
| DC••• | 217, 222 |
| DC•••• | 217, 218, 224 |
| DCG2510• | 794 |
| DCG8020• | 794 |
| DC••••L | 217, 224 |
| DC•••L | 222 |
| DCL•• | 1063 |
| DC••••LSE | 219 |
| DCM1 | 1064 |
| DCP• | 221 |
| DCP•• | 215, 223, 225 |
| DCP••• | 221 |
| DCP•••• | 215, 216, 223 |
| DCP••••L | 216, 223 |

| | Page # |
|---|---|
| DCP•SWIV | 214 |
| DCS4025F-• | 839 |
| DCS4030NYFD | 839 |
| DCS6030GSS | 841 |
| DC••••SE | 219 |
| DC••SE | 219 |
| DC•SE | 219 |
| DCS••••F | 839 |
| DCS••••F-•• | 839 |
| DD | 161 |
| DDA•••••105 | 100 |
| DDA•••••105FL | 100 |
| DDA•••AL | 100 |
| DDA•••ALFL | 100 |
| DDA•••AL•••TTMA | 100 |
| DDA•••BR | 100 |
| DDA•••BRFL | 100 |
| DDA•••SS | 100 |
| DDA•••SSFL | 100 |
| DDC•••••105 | 99 |
| DDC400AL164TTMA | 99 |
| DDC•••AL | 99 |
| DDC•••BR | 99 |
| DDC•••SS | 99 |
| DDC•••SSFL | 99 |
| DDDC••• | 100 |
| DDDC300105 | 100 |
| DDDP••• | 99 |
| DDDP300105 | 99 |
| DDEA•••SS | 108 |
| DDEA•••SSFL | 108 |
| DDEC•••SS | 108 |
| DDEC•••SSFL | 108 |
| DDSA•••SS | 101 |
| DDSC•••SS | 101 |
| DDT1 | 1064 |
| DEFN075 | 1049 |
| D•••••F | 766, 768 |
| D•••F | 768 |
| D•F• | 197, 1086 |
| DF16-••• | 830 |
| D•F•-B | 197 |
| DF-MBS•••• | 728 |
| DF-MBS••••• | 728 |
| DF-MBS•••••• | 728 |
| DFC-• | 977 |
| DFC-•• | 977 |
| DF-CB•••••B | 731 |
| DF-CB••••B | 731 |
| DFD-10 | 273 |
| DFG• | 284 |

| | Page # |
|---|---|
| DFN100F-NC | 1048 |
| DFN100F-NPNF | 1048 |
| DFN100-NC | 1047 |
| DFN100••-NC | 1046 |
| DFN100-NPNF | 1047 |
| DFN100••-NPNF | 1046 |
| DFP•••• | 797 |
| DF-PES.•••••S | 729 |
| DFP••••F | 797 |
| DFP••••F-D | 797 |
| DFP••F••S | 797 |
| DF-PHB••••S | 730 |
| DF-PHB•••••S | 730 |
| DF-PHB.••••••S | 730 |
| DFP••NYFD••NYFD | 797 |
| DFR•••• | 797 |
| DFR••••F | 797 |
| D•F•-S | 197 |
| DFVS•• | 391 |
| DG••• | 354 |
| DG•••• | 354 |
| DG••••• | 354 |
| DGA•••SS | 102 |
| DGA•••SS••• | 102 |
| DGA•••SSFL | 102 |
| DGC•••SS | 102 |
| DGDC••• | 102 |
| DGDP••• | 102 |
| DGH7 | 415 |
| DGH7C | 415 |
| DGH7CSS | 415 |
| DGH7CV | 415 |
| DGH7P | 415 |
| DGH7PSS | 415 |
| DGH7SS | 415 |
| DGH7V | 415 |
| DGHW7 | 415 |
| DGLBV•• | 901 |
| DGLBV••• | 901 |
| D-H4F4-S | 484 |
| D-H4F4-SS | 484 |
| D-H4F4-SV-8 | 484 |
| DHR1 | 1059 |
| DHR2 | 1059 |
| DHS•••-••• | 1069 |
| DHS90-••• | 1069 |
| DHS•BF | 834 |
| DHSSC6 | 834 |
| DIN-SMS-60/90SP | 647 |
| DIN-SMS90/155SP | 647 |
| DKC1 | 272 |

| | Page # |
|---|---|
| DL•••• | 462 |
| DLB12 | 163 |
| DLS•••• | 462 |
| D•M• | 197, 1086 |
| DM• | 367 |
| DM•• | 367 |
| DM••• | 367 |
| DM••-50GAX | 762 |
| DM••100GAX | 762 |
| DM150SDB | 397 |
| D•M•-B | 197 |
| DMH•••• | 811 |
| DMH20DR20 | 916 |
| DMH••••-D | 813 |
| DMH••••F | 811 |
| DMH••••F-D | 813 |
| DMH••F••F | 811 |
| DMH••F••F-D | 813 |
| DMH••F••NYFD | 812 |
| DMH••F••S | 811 |
| DMH••F••S-D | 813 |
| DMH••••NYFD | 812 |
| DMH••NYFD••NYFD | 812 |
| DMH••S••S | 811 |
| DMH••T••T | 811 |
| DMOCA••225F | 847 |
| DMP•••• | 813 |
| DMP••••F | 813 |
| DMP••F••S | 813 |
| DMP••F••T | 813 |
| DMP••S••T | 813 |
| DMR•••• | 813 |
| DM••-••RAF | 762 |
| DM•••••RAF | 762 |
| DM••-••RAS | 762 |
| DM•••••RAS | 762 |
| DM••-••RAT | 762 |
| DM•••••RAT | 762 |
| DMR••••F | 813 |
| DMR••F••S | 813 |
| DMR••F••T | 813 |
| DMR••S••T | 813 |
| D•M•-S | 197 |
| DM••-•••UC | 762 |
| DM••-••UC | 762 |
| DMXL•• | 367 |
| DN-• | 977 |
| DN-•• | 977 |
| DN7•OBF | 1048 |
| DN7U•BF-NC | 1048 |
| DN7U•BF-NPNF | 1048 |


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# Part Number Index


| | Page # |
|---|---|
| DP2-01-••• | 313 |
| DPW | 915 |
| D•••R | 285 |
| DRC-• | 977 |
| DRC-•• | 977 |
| DRK15 | 1064 |
| DRP-85-059 | 312 |
| D•••S | 285 |
| D•S• | 198 |
| D•S•-B | 198 |
| DSB•• | 390 |
| DSBV•• | 882 |
| DSBV••• | 882 |
| D••SC | 916 |
| DSCV•• | 914 |
| DSCV••• | 914 |
| DSG540• | 794 |
| DSG1560• | 794 |
| DSG3012• | 794 |
| D•S•-S | 198 |
| DST•• | 390 |
| DSTW | 1065 |
| DTW••• | 767, 768 |
| D•••U | 285 |
| DVB1560• | 793 |
| DVB3012• | 793 |
| DVF-A••GA | 712 |
| DVF-A••GB | 713 |
| DVF-A••GC | 713 |
| DVF-A••GD | 713 |
| DVF-A••GE | 713 |
| DVF-A••••GF | 714 |
| DVF-A••GF | 714 |
| DVF-A••GG | 714 |
| DVF-A••••LH | 714 |
| DVF-A••LH | 714 |
| DVF-B•••GA | 715 |
| DVF-B••GA | 715 |
| DVF-B•••GB | 716 |
| DVF-B••GB | 716 |
| DVF-B•••GE | 716 |
| DVF-B••GE | 716 |
| DVF-B•••GG | 716 |
| DVF-B••GG | 716 |
| DVF-B••••••LH | 716 |
| DVF-B•••••LH | 716 |
| DVF-C•••G1Q | 717 |
| DVF-C•••G1R | 718 |
| DVF-C•••G1S | 718 |
| DVF-C•••G1T | 718 |
| DVF-C••••••G1U | 719 |

| | Page # |
|---|---|
| DWG050 | 398 |
| DWL100 | 1065 |
| DX•••• | 773 |
| DX603010A1GV1 | 735 |
| DX603010A1GV2 | 735 |
| DXHDR25HC | 771 |
| DXHDR25PB | 771 |
| DXHDRC25HC | 771 |
| E73-•A | 332 |
| E73-•A-MB | 332 |
| E73-•M | 332 |
| E73-•M-MB | 332 |
| E74-•A | 332 |
| E74-•A-MB | 332 |
| E74-•M | 332 |
| E74-•M-MB | 332 |
| EA•F• | 534 |
| E•BF•-B | 400, 532 |
| EC••• | 966 |
| E••F•• | 400, 532 |
| E•F• | 400, 532 |
| E••F••-B | 400, 532 |
| E•F•-B | 400, 532 |
| E••F••-S | 400, 532 |
| E•F•-S | 400, 532 |
| EHSCE••• | 743 |
| EHSCV••• | 743 |
| EK602• | 343 |
| EK602VB | 343 |
| EL••••-•• | 384 |
| EL•••••-•• | 380, 384 |
| EL45•• | 933 |
| EL45••• | 933 |
| EL90•• | 930 |
| EL90••• | 930 |
| EL90•••B | 930 |
| EL90•••FS | 930 |
| EL90••FS | 930 |
| EL90•••G | 930 |
| EL90••G | 930 |
| EL90•••SS | 930 |
| EL90••SS | 930 |
| EL•F•F | 452, 930 |
| EL••H•M | 429 |
| EL•H•M | 429 |
| EL•H•MSS | 429 |
| E••M•• | 400, 532 |
| E•M• | 400, 532 |
| E••M••-B | 400, 532 |

| | Page # |
|---|---|
| ENBG1 | 278 |
| ENBL | 113 |
| ENBL-P | 113, 117 |
| ENBL-P• | 117 |
| ENBL-PLUG | 113 |
| ER•••• | 767, 768 |
| ER••••• | 767, 768 |
| ERJ | 113 |
| ERJ-C | 113 |
| ERS | 113 |
| ERS-C | 113, 117 |
| ERS-C• | 117 |
| ERS-CAP | 113 |
| E•S• | 401, 533 |
| E•S•-B | 401, 533 |
| ESB-CLAMP-• | 137 |
| ETP | 1060 |
| EZL••0-B-•• | 27 |
| EZL••0-C-•• | 27 |
| EZL••0-D-•• | 27 |
| EZL••0-DC-•• | 28 |
| EZL••0-G-•• | 28 |
| EZL•00RPLKIT | 28 |
| EZLCL400 | 28 |
| F• | 469, 473 |
| F•• | 469, 473 |
| F••-• | 578 |
| F••• | 469, 473, 474 |
| F•••-• | 578 |
| F03-0•A | 288 |
| F03-0•AMB | 288 |
| F03-0•M | 288 |
| F03-0•MMB | 288 |
| F-4EA-SKIT | 534 |
| F-4N-SKIT | 192 |
| F-4P-SKIT | 196 |
| F07-200•C | 317 |
| F07-•••A | 318 |
| F07-•••M | 318 |
| F08-02A | 288 |
| F08-02AMB | 288 |
| F08-02M | 288 |
| F08-02MMB | 288 |
| F16-••A | 292 |
| F16-••AMB | 292 |
| F16-••M | 292 |
| F16-••MMB | 292 |
| F17-•••A | 321 |
| F17-•••M | 321 |

| | Page # |
|---|---|
| F18-C00• | 321 |
| F18-••M | 292 |
| F18-••MMB | 292 |
| F23-04M | 310 |
| F26-••A | 292 |
| F26-••AMB | 292 |
| F26-••M | 292 |
| F26-••MMB | 292 |
| F28-••A | 293 |
| F28-••AMB | 293 |
| F28-••M | 293 |
| F28-••MMB | 293 |
| F30-••A | 293 |
| F30-••AMB | 293 |
| F30-••M | 293 |
| F30-••MMB | 293 |
| F35-0•AMB | 293 |
| F35-0•MMB | 293 |
| F72G-•A | 319 |
| F72G-•A-MB | 319 |
| F72G-•M | 319 |
| F72G-•M-MB | 319 |
| F73G-•A | 320 |
| F73G-•A-MB | 320 |
| F73G-•M | 320 |
| F73G-•M-MB | 320 |
| F74C-•A-MB | 321 |
| F74G-•A | 320 |
| F74G-•A-MB | 320 |
| F74G-•M | 320 |
| F74G-•M-MB | 320 |
| F74H-•A-MB | 321 |
| F74V-•A-MB | 322 |
| F602-••WJ | 339 |
| F602-••WJR | 339 |
| FA•• | 964 |
| FAB••• | 370 |
| FAB•••N | 371 |
| FAPRAV250F | 868 |
| FAPRAVF250 | 868 |
| FAPRAVG250• | 868 |
| FAPRV•250 | 868 |
| FBB••• | 370 |
| FBSO•••F | 791 |
| FBSO•••F-PG | 791 |
| FBSO•••S | 791 |
| FBSO•••S-PG | 791 |
| FBV•• | 878 |
| FBV••• | 878 |
| FBVG•• | 879 |
| FBVG••• | 879 |

| | Page # |
|---|---|
| FBV•••SE | 879 |
| FBV••SE | 879 |
| FC••• | 816 |
| FC•••• | 382, 384 |
| FC••••• | 378, 382, 384 |
| FC31012-PC | 388 |
| FCB48 | 777 |
| FC•••F | 816 |
| FC•••F-• | 816 |
| FC•••F-D | 819 |
| FCM•••• | 382 |
| FC••••-PC | 388 |
| FC•••••-PC | 387 |
| FCSB••• | 371 |
| FCSM••• | 371 |
| FC•••••ST••• | 378 |
| FC••••ST•• | 383 |
| FD47-C2 | 772 |
| FD47IR-150-100 | 772 |
| F-••E-SKIT | 401, 533 |
| F-•E-SKIT | 401, 533 |
| FFB••• | 562, 906 |
| FFC••• | 562, 906 |
| FFH15NYFD15NYFD | 795 |
| FFH••••F | 795 |
| FFH••F••F | 795 |
| FFH••••NYFD | 795 |
| FFH••T••S | 795 |
| FFN••• | 791 |
| FFN75GHT | 791 |
| FFN•••NST | 791 |
| FFS••• | 562, 906 |
| F••G-•••• | 593 |
| FGH•• | 410 |
| FH-SC•••A••CS | 727 |
| FH-SC1230A30CS | 727 |
| FH-SC•••B••CS | 727 |
| FH-SC1230B30CS | 727 |
| FHCD | 473 |
| FHCS150 | 830 |
| FHHR-• | 775 |
| FHHR-C | 775 |
| FHHR-C• | 775 |
| FHPR150 | 776 |
| FHPR150-100CBF | 776 |
| FHPR150-••CBF | 776 |
| FHPR2515 | 776 |
| FHR-C | 770 |
| FHR-C1 | 770 |
| FHR-V• | 770 |
| F-••H-SKIT | 486 |

| | Page # |
|---|---|
| FJB-20Z-20 | 1014 |
| FJC-••-•• | 1014 |
| FJC-20Z-20 | 1014 |
| FJC45-••-•• | 1015 |
| FJC45-20Z-20 | 1015 |
| FJC90-••-•• | 1015 |
| FJC90-20Z-20 | 1015 |
| FJC-T•• | 1016 |
| FJR-T•• | 1016 |
| FJS-••-•• | 1014 |
| FJS-20Z-20 | 1014 |
| FJS45-••-•• | 1015 |
| FJS45-20Z-20 | 1015 |
| FJS90-••-•• | 1015 |
| FJS90-20Z-20 | 1015 |
| FL••-• | 578 |
| FL•••-• | 578 |
| FLBV•••CS | 898 |
| FLC0318-•• | 559, 989 |
| FLC0319-•• | 559, 989 |
| FLC2402-••-•• | 557, 987 |
| FLC2403-•• | 558, 988 |
| FLC2404-•• | 557, 987 |
| FLC2404-••-•• | 557, 987 |
| FLC2405-•• | 558, 988 |
| FLC2405-••-•• | 558, 988 |
| FLC2500-•• | 559, 989 |
| FLC2501-•• | 558, 988 |
| FLC2501-••-•• | 558, 988 |
| FLC2603-•• | 559, 989 |
| FLG•••E | 964 |
| FLSS••• | 390 |
| FLSS200-BSP• | 390 |
| FLSS200-NPT• | 390 |
| FLSS•••-A | 390 |
| FM••• | 951 |
| FM•••• | 804, 951 |
| FM25NYC25F | 805 |
| FM25NYC25T | 805 |
| •FM•-B | 1086 |
| FMB••• | 951 |
| FMB•••• | 951 |
| FMBV••F••F | 863 |
| FMBV••S••S | 863 |
| FM••••F | 804, 805 |
| FMF••• | 550, 950 |
| FMF•••• | 550, 950 |
| FMF•••-45 | 550, 950 |
| FMF••••-45 | 550, 950 |
| FMF•••-90 | 550, 950 |
| FMF••••-90 | 550, 950 |

| | Page # |
|---|---|
| FM••F••F-D | 803 |
| FM••F••NYC | 805 |
| FM••F••NYFD | 805 |
| FM••F••S | 804, 805 |
| FM••F••S-D | 803 |
| FM••F••T | 804, 805 |
| FM••F••T-D | 803 |
| FMGR••F••F | 872 |
| FMI••••• | 385 |
| FMI•••••• | 385 |
| FMI••••••• | 385 |
| FM••••NYC | 805 |
| FM••••NYFD | 805 |
| FM••NYFD••F | 805 |
| FM••NYFD••T | 805 |
| FMR••• | 951 |
| FMR•••• | 951 |
| FMR••••• | 385 |
| FMR•••••• | 385 |
| FMR••••••• | 385 |
| FM••S•• | 804 |
| FMS••• | 951 |
| FMS•••• | 951 |
| FM••S••F | 804, 805 |
| FM••S••F-D | 803 |
| FM••S••T | 805 |
| FM••S••T-D | 803 |
| FM••••T | 804, 805 |
| FN600 | 110 |
| FN600B | 110 |
| FN600BL | 110 |
| FN600BL-NI | 111 |
| FN600B-PLUG | 110 |
| FN600S | 112 |
| FNB75GHT | 412, 781 |
| FNB75GHT-GD | 414, 1080 |
| FNB75S | 781 |
| FNBE150NST | 786 |
| FNBE150S | 786 |
| FNB•••NST | 781 |
| FNB•••S | 781 |
| FNG•••NST | 786 |
| FNG•••S | 786 |
| FN•••NST | 781 |
| FNPSO150•-•• | 792 |
| FN•••S | 781 |
| FNS | 112 |
| FNS2 | 112 |
| FNSID | 112 |
| FO• | 469 |
| FO•• | 469 |

| | Page # |
|---|---|
| FOS•• | 469 |
| FOS••• | 469 |
| FP••• | 821 |
| FP•••• | 386 |
| FP••••• | 380, 386 |
| FP475S | 785 |
| FP500• | 785 |
| FP•••F | 821 |
| FP•••F-• | 821 |
| FP•••F-D | 821 |
| FR3C•••• | 837 |
| FR3C6025F | 837 |
| FRA | 110 |
| FRA-C | 110 |
| FRA-NI-C | 111 |
| FRC4025 | 835 |
| FRC4025F | 835 |
| FRC6025 | 835 |
| FRC6025F | 835 |
| FR-CAP | 110 |
| FRP-95-••• | 312, 313 |
| FRP-96-••• | 312 |
| FRRE-T•• | 1017 |
| FR-RS | 110 |
| FR-RS-C | 110 |
| FR-RS-R | 110 |
| FRR-T•• | 1017 |
| FRS | 110 |
| FRS-C | 110 |
| FRSGX•• | 1067 |
| FRSGX110 | 1067 |
| FRT•••• | 935 |
| FRX | 111 |
| FRX-C | 111 |
| FS• | 469 |
| FS•• | 469 |
| FS••• | 469 |
| FS304C-• | 540 |
| FS304C-•• | 540 |
| FS2403-• | 539 |
| FS2403-•• | 539 |
| FS2404-•-• | 539 |
| FS2404-••-•• | 539 |
| FS2408-• | 540 |
| FS2408-•• | 540 |
| FS2501-•-• | 540 |
| FS2501-••-•• | 540 |
| FS2603-• | 540 |
| FS2603-•• | 540 |
| FS6400-•-• | 539 |
| FS6400-••-•• | 539 |

# Part Number Index


| | Page # |
|---|---|
| FS6602-• | 540 |
| FS6602-•• | 540 |
| FS6801-•-• | 539 |
| FS6801-•••-•• | 539 |
| FSA••••F | 822 |
| FSA••••S | 822 |
| FSA••••T | 822 |
| FSB | 112 |
| FSCV•• | 913 |
| FSCV••• | 913 |
| FSGLBV•• | 901 |
| FSGLBV••• | 901 |
| FSGR•••F | 872 |
| FSGV•• | 900 |
| FSGV••• | 900 |
| FSGV•••F | 860 |
| FSH-9682-••• | 765 |
| FSH-9682-•••B | 765 |
| FSH-9682-•••C | 765 |
| FSH-9682-•••NS | 765 |
| FSH-9682-•••Q | 765 |
| FSH-9682-•••W | 765 |
| FST•• | 361 |
| FST••• | 361 |
| FST••CS | 10 |
| FSW• | 830 |
| FT•• | 934 |
| FT••• | 934 |
| FT6•• | 142 |
| FT6••• | 142 |
| FT6••-4 | 142 |
| FT7••• | 142 |
| FT7•••• | 142 |
| FT7•••-4 | 142 |
| FT530 | 141 |
| FT590•• | 141 |
| FT590••• | 141 |
| FT••B | 934 |
| FT•••FS | 934 |
| FT••FS | 934 |
| FT•••G | 934 |
| FT••G | 934 |
| FTH100 | 778, 1068 |
| FT•••SS | 934 |
| FT••SS | 934 |
| FVFA•• | 391 |
| FVL•• | 391 |
| FVS•• | 391 |
| F-••V-SKIT | 501 |
| F-•V-SKIT | 501 |
| FVSP•• | 391 |

| | Page # |
|---|---|
| FX1500 | 111 |
| FX1500P | 111 |
| FX1500PLUG | 111 |
| FX1500S | 111 |
| FX1500SP | 111 |
| G••••-00 | 970 |
| G•00-AL-AL | 83 |
| G•00-DL-AL | 83 |
| G5••• | 582 |
| G9 | 127 |
| G10 | 127 |
| G75HRPSS | 83 |
| G400-•LT-AL | 82 |
| G3050 | 140, 1027 |
| G12014 | 768 |
| G••-A-•• | 75 |
| G•••-A-•• | 75 |
| G••••-A-•• | 82 |
| G•••-AA-•• | 81 |
| G••••-AA-•• | 81 |
| G•••-A-ALNST | 85, 815 |
| GAB• | 180, 181 |
| GAB•• | 180, 181 |
| GAM• | 182 |
| GAM•• | 182, 183 |
| GAS••••NO | 44, 362 |
| GAS••••NOS | 45, 363 |
| G•••-A-SSBSP | 84 |
| GAS••••TO | 579 |
| GAW | 829 |
| G••-B-•• | 76 |
| G•••-B-•• | 76 |
| G•••-B-•••• | 76 |
| GB• | 153, 154 |
| GB•• | 153, 154 |
| GB6-1 | 153 |
| GBA•• | 163 |
| G•••-B-ALNST | 85, 815 |
| GBB•• | 163 |
| G•••BL | 962 |
| GBN150 | 779 |
| GBN•••NST | 779 |
| GBR•• | 347 |
| GBR••• | 347 |
| GBR•••• | 347 |
| GBRW•• | 353 |
| GBRW••• | 353 |
| GBRW•••• | 353 |
| GBRW30R | 353 |

| | Page # |
|---|---|
| G•••-C-•• | 77 |
| G•••-C-•••• | 77 |
| G••••-C-•• | 82 |
| GC• | 153 |
| GC••• | 345, 350 |
| GC230 | 1088 |
| G•••-C-••CR | 7 |
| G••-D-•• | 78 |
| G•••-D-•• | 78 |
| G•••-D-•••• | 78 |
| G••••-DA-•• | 81 |
| G•••-D-ALNST | 85, 815 |
| GDB• | 155 |
| GDB•• | 155 |
| G••-DC-•• | 80 |
| G•••-DC-•• | 80 |
| G•••-DC-•••• | 80 |
| G•••-DD-•• | 81 |
| GDF• | 163 |
| GDF•• | 163 |
| GDL• | 163 |
| GDL•• | 163 |
| G••-DP-•• | 80 |
| G•••-DP-•• | 80 |
| G•••-D-SSBSP | 84 |
| G••-E-•• | 79 |
| G•••-E-•• | 79 |
| G••••-E-•• | 82 |
| G••••E | 967 |
| G•••E | 967 |
| G•••-E-••CR | 8 |
| G••-F-•• | 79 |
| G•••-F-•• | 79 |
| GF• | 153 |
| GF•• | 153 |
| GF••• | 153 |
| GF26-1 | 153 |
| GF81 | 1097 |
| G•••-F-ALNST | 85, 815 |
| GFAS• | 156 |
| GFAS•• | 156 |
| GFN150 | 790 |
| GFN150NST | 790 |
| GF•••P• | 155 |
| GF••P• | 155 |
| GFR-• | 112 |
| GFR-•• | 112 |
| GFR1-• | 112 |
| GFR1-•• | 112 |
| G•••-F-SSBSP | 84 |
| GGH75 | 411 |

| | Page # |
|---|---|
| GHD-500AN4 | 1079 |
| GHD-500GH4VBK | 1080 |
| GHD-500GHV | 1078 |
| GHD-500GHY | 1080 |
| GHD-500QCK | 1078 |
| GHD-500YC | 1080 |
| GHD-1781212C | 1078 |
| GHD-5061212C | 1079 |
| GHD-5891212K | 1078 |
| GHD-5911212F | 1079 |
| GHD-5911212W | 1079 |
| GHD-AAPN75GHT | 1078 |
| GHD-BN6 | 1080 |
| GHD-CNB75GHT-GD | 1080 |
| GHD-CWH50 | 1081 |
| GHD-HA1576 | 1079 |
| GHD-HA2576 | 1079 |
| GHD-HSS8 | 1081 |
| GHD-HSS12 | 1081 |
| GHD-POSTER | 1082 |
| GHD-PSN76 | 1078 |
| GHD-RETAILKIT | 1077 |
| GHD-SGH50 | 1081 |
| GHD-SIGN | 1082 |
| GHD-SN75 | 1079 |
| GHGN | 417 |
| GHN75 | 788 |
| GHN75-B | 788 |
| G•••HRP | 83 |
| G••HRP | 83 |
| G•••HRPSI | 83 |
| G••HRPSI | 83 |
| G••••••HRPSS | 83 |
| G•••HRPSS | 83 |
| GHV | 416 |
| GHY | 416 |
| GHYV | 416 |
| GIBFV••• | 966 |
| GJ•• | 163 |
| GL••• | 264, 345, 350 |
| GL130 | 1088 |
| GLBR•• | 353 |
| GLBR••• | 353 |
| GLBR•••• | 353 |
| GLBR••-4 | 353 |
| GLBR•••-4 | 353 |
| GLBR••••-4 | 353 |
| GLBR•••••4 | 353 |
| GLBRC•• | 353 |
| GLBRC••• | 353 |
| GLBRC•••• | 353 |

| | Page # |
|---|---|
| GLS••• | 351 |
| GLSC••• | 351 |
| GLSS•• | 352 |
| GLSS••• | 352 |
| GLSS•••• | 352 |
| GLSS••••• | 352 |
| GLSSC••• | 352 |
| GM• | 155 |
| GM•• | 155, 264 |
| GMAS• | 156 |
| GMAS•• | 156 |
| G•••N | 962, 967 |
| GNB75GHT | 414 |
| GPA-95-••• | 314, 315, 316 |
| GPA-95-292 | 1061 |
| GPA-96-••• | 315, 316 |
| GPA-97-••• | 316 |
| GROOVLUB32 | 968 |
| GRP-95-••• | 312, 313, 314, 316 |
| GRP-96-••• | 312, 313, 314, 316 |
| GS••-4 | 345 |
| GS•••-4 | 345 |
| GS••••-4 | 345 |
| GSAFETYCLIP | 83 |
| GSS•• | 346 |
| GSS••• | 346 |
| GSS•••• | 346 |
| GSS••••• | 346 |
| GSS••-4 | 346 |
| GSS•••-4 | 346 |
| GSS••••-4 | 346 |
| GSS•••••-4 | 346 |
| GSTC• | 360 |
| GSTC•• | 360 |
| G••••T | 967 |
| G•••T | 962, 967 |
| G••••V | 967 |
| G•••V | 967 |
| G•••VB | 962 |
| GWDGV250F | 856 |
| GWH-•••• | 456 |
| GWH•••• | 456 |
| GWH1•00R | 456 |
| GWH-C | 456 |
| GWHC | 456 |
| GWHC-FF | 456 |
| GWHZ••• | 457 |
| GWHZ•••R | 457 |

| | Page # |
|---|---|
| H••• | 587, 958 |
| H1DC | 485, 515 |
| H4F4-HV | 484 |
| H5••• | 582, 586 |
| H5•••-BU | 582 |
| H5•••NST | 582 |
| H5••R50UC | 755 |
| H5••R100UC | 755 |
| H52••-A | 582, 584 |
| H52••-A-BU | 582, 584 |
| H52••CS | 584 |
| H52••L-A | 584 |
| H52••L-A-BU | 582, 584 |
| H52••NST | 582 |
| H515R50••• | 755 |
| H515R100••• | 755 |
| H525R50••• | 755 |
| H525R100••• | 755 |
| H610Y50••• | 757 |
| H615Y50••• | 757 |
| H625Y50••• | 757 |
| HA•••• | 412, 800 |
| HA023• | 591 |
| HA024• | 591 |
| HA25NYC76 | 802 |
| HA25NYFD15NYFD | 802 |
| HA0900-• | 949 |
| HA2515F | 777 |
| HA••••ADP | 64, 814 |
| HAB•••EZ | 52 |
| HAC•••EZ | 52 |
| HA••••-D | 802 |
| HAD•••EZ | 52 |
| HA••••F | 800 |
| HA••••F-D | 802 |
| HA••NYC••T | 802 |
| HA••NYFD76 | 802 |
| HA••NYFD••F | 802 |
| HA••NYFD••S | 802 |
| HA••NYFD••T | 802 |
| HA••S•• | 800 |
| HA••S••F | 800 |
| HA••S••S | 800 |
| HA••S••T | 800 |
| HA••••T | 800 |
| HA••••T-D | 802 |
| HA••T••F | 800 |
| HA••T••S | 800 |
| HAV3EA••• | 746 |
| HAVNEA••• | 746 |
| HB••• | 366, 1004 |

| | Page # |
|---|---|
| HBC••S | 471 |
| HBC•S | 471 |
| H••BF•• | 483 |
| H•BF• | 482 |
| H••BF••-B | 483 |
| H•BF•-B | 482 |
| HB•F•M | 449, 925 |
| H••BF••-S | 483 |
| H•BF•-S | 482 |
| HB••••FS | 924 |
| H••BF••-SS | 483 |
| H•BF•-SS | 482 |
| HB••••G | 264, 923 |
| HB••••SS | 923 |
| H••••-BU | 586 |
| H•••BU | 958 |
| H••BU | 958 |
| HC90 | 1003 |
| HC90RB | 1003 |
| HC30143 | 777 |
| HD1-• | 568 |
| HDBF75 | 915 |
| H••DC-A | 485 |
| H•DC-A | 485 |
| HDPE••• | 969 |
| HDPE•••BU | 969 |
| HDR150-100G | 774 |
| HDR150-100GACC | 774 |
| HDR150-100PCR | 774 |
| HDR150-100PCRAC | 774 |
| HDSSF75 | 915 |
| H••F•• | 483 |
| H•F• | 482 |
| H••F••-B | 483 |
| H•F•-B | 482 |
| H•F•-BOP | 488 |
| HFN••• | 780 |
| HFN150NYFD | 780 |
| HFN•••NST | 780 |
| HFN-P• | 117 |
| HFR-C• | 117 |
| H••F••-S | 483 |
| H•F•-S | 482 |
| H••F••-SS | 483 |
| H•F•-SS | 482 |
| H•F•-SS-BOP | 488 |
| HGB100S | 781 |
| HGB•••NST | 781 |
| HGCFB150S | 787 |
| HGCFB•••NST | 787 |
| HGG100NST | 786 |

| | Page # |
|---|---|
| HGV250F | 858 |
| HGV250F-D | 858 |
| HGV250-H | 858 |
| HGV-HDWHL | 859 |
| HGV-KNOB | 859 |
| HGVW250F | 859 |
| HGVW250-W | 859 |
| HHA•••• | 802 |
| HHCI | 445 |
| HHD••P | 570 |
| HHD••T | 570 |
| HHP•M | 455, 938 |
| HHTP | 1060 |
| H•M• | 482 |
| H•M•-S | 482 |
| HN | 114 |
| HNBGH•• | 421 |
| HNBGHF•• | 421 |
| HN•M•M | 452, 928 |
| HN-P | 114 |
| HN-PLUG | 114 |
| HN•••SS | 928 |
| HN••SS | 928 |
| H•OF• | 482 |
| HP• | 463 |
| HPBV•• | 561, 897 |
| HPBV••• | 561, 897 |
| HPBV••-3WAY | 561, 897 |
| HPBV•••SAE | 561, 897 |
| HPBV••SAE | 561, 897 |
| HPBV•••SAEZPL | 561, 897 |
| HPBV••SAEZPL | 561, 897 |
| HPBV••SS | 561, 897 |
| HPBV•••ZPL | 561, 897 |
| HPBV••ZPL | 561, 897 |
| HPFN150 | 780 |
| HPFN150NST | 780 |
| HPSG | 402 |
| HPSGHD | 402 |
| HPSGL | 402 |
| HPSGW | 402 |
| HR | 114 |
| HR1610 | 775 |
| HR1610-• | 775 |
| HR-C | 114 |
| HRC-••• | 568 |
| HR-CAP | 114 |
| HS• | 460 |
| HS•• | 460 |
| HS••• | 460 |
| HS•••AL | 1044 |

# Part Number Index


| | Page # |
|---|---|
| HS•BF•-S | 489 |
| HSCE••• | 743 |
| HSC-RKE••• | 743 |
| HSC-RKV••• | 743 |
| HSCV••• | 743 |
| HS•F• | 489 |
| HS•F•-B | 489 |
| HS•F•-S | 489 |
| HSGE•••CCA | 725 |
| HSGP•••CCA | 725 |
| HSG-POLY-••• | 725 |
| HSG-RKE••• | 725 |
| HSG-RKP••• | 725 |
| HSG-RKV••• | 725 |
| HSGV•••CCA | 725 |
| HSR•• | 771 |
| HSR••-•• | 771 |
| HSRC•• | 770, 771 |
| HSRC••-•• | 771 |
| HSS• | 460 |
| HSS•• | 460 |
| HSS••• | 460 |
| HS•••SS | 1044 |
| HST•• | 358 |
| HSTBC••• | 467 |
| HSTBC•••• | 467 |
| HST••P | 569 |
| HST••T | 569 |
| HSW••• | 952 |
| HT49OF• | 507 |
| HT•BAND-• | 504 |
| HTBC••• | 467 |
| HT••BF•• | 506 |
| HT•BF• | 506 |
| HT•BF•• | 506 |
| HT•BF•-SS | 506 |
| HT•BF••-SS | 506 |
| HTBG | 280 |
| HTBG• | 280 |
| HTBG•• | 280 |
| HTBG-CT | 280 |
| HTBG••EXT | 280 |
| HTBG•EXT | 280 |
| HT•DC | 507 |
| HTE•BF• | 509 |
| HTE•BF•• | 509 |
| HTE•F• | 509 |
| HTE•F•• | 509 |
| HTE•OF• | 509 |
| HTE•OF•• | 509 |
| HT••F•• | 506 |

| | Page # |
|---|---|
| HT•F•-SS | 506 |
| HT•F••-SS | 506 |
| HT•JB• | 507 |
| HT•M• | 506 |
| HTM••• | 463 |
| HT••OF•• | 506 |
| HT•OF• | 506, 1091 |
| HT•OF•• | 506 |
| HT•OM• | 506 |
| HT•RB• | 507 |
| HT•-SKIT-V2 | 508 |
| HTSW | 828 |
| HTW••P | 569 |
| HTW••T | 569 |
| HU100••• | 168, 947 |
| HU100•••BW | 168, 947 |
| HU200••• | 168, 947 |
| HU200•••BW | 168, 947 |
| HU206••• | 168, 947 |
| HU400••• | 948 |
| HU602••• | 948 |
| HU602•••BW | 948 |
| HU1002••• | 948 |
| HU1002•••BW | 948 |
| HU1502••• | 949 |
| HU1502•••BW | 949 |
| HUC20••00 | 169 |
| HUC20••00BC | 169 |
| HUC100400 | 169 |
| HUF206200MT | 171 |
| HUF206400FLG | 170 |
| HUF206400FLG-45 | 170 |
| HUF206400FLG-ST | 170 |
| HUFALL•00FLG | 170 |
| HUFALL•••CS | 165 |
| HUF••••••CS | 165 |
| HUM206•00FLG | 170 |
| HUM206400FLG | 170 |
| HUM206400FLG-45 | 170 |
| HUM206400FLG-ST | 170 |
| HUM••••••CS | 166 |
| HUMF206400•• | 171 |
| HUMF••••••CS | 165 |
| HU••••••N | 167 |
| HUP207400 | 169 |
| HUP207400DC | 169 |
| HUPALL•00 | 169 |
| HU••••••RN | 167 |
| HU••••••RN3 | 167 |
| HUS500N | 167 |
| HUS500RN | 166, 167 |

| | Page # |
|---|---|
| HUSP500 | 169 |
| HVF••••-25 | 833 |
| HVG0•••-25 | 833 |
| HWH50 | 411 |
| HWH50-75 | 411 |
| HY• | 568 |
| HY•• | 568 |
| H•••Y50SZ | 757 |
| H•••Y50UC | 757 |
| IA•••TP | 1061 |
| IB••• | 34 |
| IBFVW••• | 903 |
| IBFVW•••E | 903 |
| IBR•••• | 1000 |
| IBV•• | 896 |
| IBV••• | 896 |
| IBV50BOV | 1061 |
| IC••• | 36 |
| ICL•••• | 999 |
| ID••• | 41 |
| ID•••TC | 1061 |
| IH••• | 48 |
| IH6 | 66 |
| IHC•••F | 819 |
| IHSC34 | 66 |
| IHSC152 | 66 |
| IRC4025 | 835 |
| IRC4025F | 835 |
| IRC4025GF | 835 |
| ISCS4025F | 838 |
| ITD-•• | 1015 |
| ITDH | 1015 |
| IXAN•• | 589 |
| IXF••-• | 581 |
| IXF••-•• | 581 |
| IXFDPLG••• | 588 |
| IXFS•• | 589 |
| IXFS32-3A | 589 |
| IXH•• | 580 |
| IXM•• | 580 |
| IXMS•• | 589 |
| IXPE32-3A | 588 |
| IXSE•• | 588 |
| IXSE••-3A | 588 |
| IXV•• | 581 |
| J•• | 477, 567 |

| | Page # |
|---|---|
| J2M2-B | 202 |
| J47 | 163 |
| J844-••-•-100 | 1000 |
| J844-••-BL-100 | 1000 |
| J•B• | 203 |
| J•F• | 202 |
| J•M• | 202, 1086 |
| J•S• | 202 |
| JS••• | 471 |
| JX•• | 477 |
| K• | 470 |
| K•• | 470 |
| K••• | 470 |
| K4-••-DC | 491 |
| K4DC | 491, 1093 |
| KB•• | 154 |
| K••BF•• | 490 |
| K•BF• | 490 |
| K•BF•-SS | 490 |
| K••F•• | 490 |
| K•F• | 490 |
| K•F•-SS | 490 |
| KHN••• | 365 |
| KLW• | 377 |
| KLW•• | 377 |
| KM•• | 368 |
| KM••• | 368 |
| KNW• | 377 |
| KNW•• | 377 |
| K•OF• | 490 |
| KRN••• | 365 |
| KRN•••• | 365 |
| KRW• | 377, 414, 782 |
| KRW•• | 377, 782 |
| KRW•••• | 377 |
| KS• | 470 |
| KS•• | 470 |
| KS••• | 470 |
| KS••••• | 1069 |
| KSS•• | 263 |
| KSV10-••• | 275, 911, 1095 |
| KSW•• | 263 |
| KVW•• | 377 |
| L•• | 960 |
| L••• | 960, 965 |
| L•••• | 965 |
| L0•BL | 962 |

| | Page # |
|---|---|
| L03-0•AMB | 290 |
| L07-200AC | 317 |
| L07-•••A | 318 |
| L08-02A | 290 |
| L08-02AMB | 290 |
| L14AJP-G••• | 644 |
| L14AJP-R••• | 644 |
| L14AM7-G•• | 600 |
| L14AM7-G••• | 600 |
| L14AM7-G•••• | 600 |
| L14AM7-R•• | 600 |
| L14AM7-R••• | 600 |
| L14AM7-R•••• | 600 |
| L14AM7V-R••• | 665 |
| L14AM7X-R••• | 665 |
| L15AJP-G••• | 644 |
| L15AJP-R••• | 644 |
| L16-••A | 303 |
| L16-••AMB | 303 |
| L17-800APX | 330 |
| L17-•••A | 329 |
| L17-•••D | 331 |
| L18-••A | 304 |
| L18-••AMB | 304 |
| L26-••A | 304 |
| L26-••AMB | 304 |
| L28-••A | 305 |
| L28-••AMB | 305 |
| L30-••A | 305 |
| L30-••AMB | 305 |
| L40-0BA | 306 |
| L40-0BAMB | 306 |
| L50-0CA | 306 |
| L50-0CAMB | 306 |
| L72M-• | 328 |
| L72M-•MB | 328 |
| L73M-• | 328 |
| L73M-•MB | 328 |
| L73M-•MBPX | 330 |
| L74C-• | 331 |
| L74C-•MB | 331 |
| L74M-• | 329 |
| L74M-•MB | 329 |
| L74M-•MBPX | 330 |
| L606-••W | 342 |
| L•••-A-AL | 29, 176 |
| L•••-A-SS | 29, 176 |
| L•••BU | 960 |
| L••BU | 960 |
| LCJS•-•• | 1056 |
| LCJS12-15 | 1056 |

| | Page # |
|---|---|
| LCTS• | 1056 |
| LCTS14 | 1056 |
| LDC2 | 274, 908 |
| LDCF2 | 274, 908 |
| LDCM2 | 274, 908 |
| L•••-DC-SS | 30, 177 |
| L•••-DP-SS | 30, 177 |
| L•••-E-SS | 30, 177 |
| LFV•• | 879 |
| LFV••• | 879 |
| LHC95 | 1003 |
| LHC95RB | 1003 |
| LHFS400F | 832 |
| LHFS4045F | 832 |
| L•••-HSCRP-SI | 31, 178 |
| LHW | 830 |
| LJ••• | 956 |
| LJ•••• | 956 |
| LJD••• | 955 |
| LJD•••• | 955 |
| LJR••• | 956 |
| LLBV2515F | 862 |
| LM••-* | 579 |
| LM••••- * | 579 |
| LNG••BRFE | 107 |
| LNGBRFECAP | 107 |
| LNG••BRFE-NC | 107 |
| LNG••BRHE | 107 |
| LNG••BRHE-NC | 107 |
| LNG••BRHENUT | 107 |
| LNGBRHEPLUG | 107 |
| LNG••FESEAL | 107 |
| LOCKINGDEVICE | 827 |
| LOCKINGDEVICE6 | 827 |
| LP•• | 160 |
| LP••-•• | 160 |
| LPB•• | 160 |
| LR•••• | 386 |
| LR••••• | 386 |
| LR7 | 74 |
| LRHEZ•• | 31 |
| LRHEZ••• | 31, 178 |
| LRHEZ34 | 178 |
| LRP-95-••• | 314 |
| LRP-96-••• | 314 |
| LS•• | 465 |
| LS••• | 465 |
| LSS•• | 465 |
| LSS••• | 465 |
| LUAS-08 | 1058 |
| LUCP-14 | 1058 |

| | Page # |
|---|---|
| LV•N6D | 311 |
| LV•NAD | 311 |
| LW••200 | 1069 |
| LWSG-• | 396 |
| M• | 160 |
| M•• | 160 |
| M••••• | 381 |
| M2•2-B | 204 |
| M2B2 | 205 |
| M16-03A | 1061 |
| M16-03M | 1061 |
| M16-••A | 294 |
| M16-••M | 294 |
| M18-••A | 294 |
| M18-••M | 294 |
| M26-••A | 294 |
| M26-••M | 294 |
| M28-••A | 295 |
| M28-••M | 295 |
| M30-••A | 295 |
| M35-0•AMB | 296 |
| M•200 | 269, 272 |
| M5834F | 418 |
| M5834HM | 418 |
| M5834M | 418 |
| M7400-•-•• | 555 |
| M7400-••-•• | 555 |
| M7455-•-•• | 555 |
| M7455-••-•• | 555 |
| MA••• | 370 |
| MAH• | 460 |
| MAH•• | 460 |
| MA•••N | 371 |
| MB••• | 370 |
| MBV•• | 880 |
| MC••• | 563, 907 |
| MC•••• | 382, 383 |
| MC••••• | 379, 382, 383 |
| MCH50 | 411 |
| MCM•••• | 382 |
| MCM••••XL | 385 |
| MC••••-PC | 388 |
| MC•••••-PC | 387, 388 |
| MCS••• | 371 |
| MC•••••ST••• | 379 |
| MC••••ST•• | 383 |
| MD•••••T | 766, 768 |
| ME••• | 971, 972 |
| ME•••-• | 973 |

| | Page # |
|---|---|
| ME109-NH3-1 | 973 |
| ME502-12/8 | 971 |
| ME3162-32B | 972 |
| ME3162-32S | 972 |
| ME•••F-• | 973 |
| ME•••FS-• | 973 |
| MEP120B | 972 |
| ME•••S | 971, 972 |
| ME•••S-• | 973 |
| ME•••S-•• | 971 |
| MEW• | 972 |
| M•F• | 204 |
| MFB••• | 562, 906 |
| MFC••• | 562, 563, 906, 907 |
| MFC••••• | 562, 906 |
| MFS••• | 562, 563, 906, 907 |
| MFS••••• | 562, 906 |
| M••-••GAX | 761 |
| MGC• | 461 |
| MGC•• | 461 |
| MGC••• | 461 |
| MGC-10PC | 464 |
| MH• | 460 |
| MH•• | 460 |
| MIC•• | 936 |
| MIC••• | 936 |
| MICAP•• | 937 |
| MICAP••• | 937 |
| MICAP•••G | 937 |
| MICAP••G | 937 |
| MIU•• | 922 |
| MIU••• | 922 |
| M••-••KAF | 761 |
| M••-••KAS | 761 |
| ML•00M | 269 |
| MLS•• | 374 |
| M•M• | 204, 1086 |
| MOC250NYC-P | 804 |
| MOC250NYFD-P | 804 |
| MOC3025F-• | 804 |
| MOCA250F | 847 |
| MOC•••F-• | 804 |
| MP•••• | 385 |
| MP••••• | 381, 385 |
| MPB-••-•• | 1014 |
| MPB-20Z-20 | 1014 |
| MPC-••-•• | 1014 |
| MPC-20Z-20 | 1014 |
| MPC-T•• | 1016 |
| MPR-T•• | 1016 |
| MPS-••-•• | 1014 |

# Part Number Index


| | Page # |
|---|---|
| M•••••RAF | 760 |
| M••-••RAS | 760 |
| M•••••RAS | 760 |
| M••-••RAT | 760 |
| M•••••RAT | 760 |
| MRCH•• | 921 |
| MRCH••• | 921 |
| M•S• | 204 |
| MS• | 159 |
| MS•• | 159 |
| MS••• | 563, 907 |
| MSA••••F | 824 |
| MSA••••S | 824 |
| MSA••••T | 824 |
| MSBC•••SS | 105 |
| MSBC•••SSMNPT | 105 |
| MSP••• | 406 |
| MSP4PAK | 406 |
| MSP-95••• | 312 |
| MS•••••T | 766 |
| MS••X• | 159 |
| MS••X•• | 159 |
| MS•X• | 159 |
| MS•X•• | 159 |
| MT••• | 356 |
| MT•••• | 963 |
| MT••••• | 963 |
| MT•••••• | 963 |
| MTP-95••• | 312 |
| M••-•••UC | 759 |
| M••-••UC | 759 |
| N•• | 361 |
| N••• | 361 |
| N3CS4 | 192 |
| N4BF• | 190 |
| N4BF•-B | 190 |
| N4BM•-B | 191 |
| N4BM•-LS | 191 |
| N4DC | 192 |
| N4DC-B | 192 |
| N4F• | 190 |
| N4F6-S | 190 |
| N4F•-B | 190 |
| N4F•-B-LS | 190 |
| N4M6-LS | 1098 |
| N4M6-S | 191 |
| N4M6-S-LS | 191 |
| N4M•-B | 191 |
| N4M•-B-LS | 191 |

| | Page # |
|---|---|
| N4S6-LS | 1098 |
| N4S•-B | 192 |
| N4S•-B-LS | 192 |
| N4S•-B-LS-WF | 193 |
| N4S•-B-WF | 193 |
| N4S•-LS | 192 |
| N4S•-LS-WF | 193 |
| N4S•-S | 192 |
| N4S•-S-LS | 192 |
| N4S•-WF | 193 |
| N35-••F••F | 799 |
| N35-••S••F | 799 |
| N35-••S••S | 799 |
| N36-••F••F | 814 |
| N36-••F••T | 814 |
| N36-••S••F | 814 |
| N36-••S••S | 814 |
| N36-••S••T | 814 |
| N36-••T••F | 814 |
| N36-••T••T | 814 |
| N37-••F••F | 806, 807 |
| N37-••F••G | 806, 807 |
| N37-••F••S | 806, 807 |
| N37-••F••T | 806, 807 |
| N37-••G••F | 806 |
| N37-••G••S | 806 |
| N37-••G••T | 806 |
| N37-••S••F | 806, 807 |
| N37-••S••G | 806 |
| N37-••S••S | 806, 807 |
| N37-••S••T | 806, 807 |
| N37-••T••F | 806, 807 |
| N37-••T••S | 806, 807 |
| N37-••T••T | 807 |
| N53-••F••F | 798 |
| N53-••F••T | 798 |
| N53-••S••S | 798 |
| N53-••S••T | 798 |
| N54••-25F25F | 832 |
| N54-••F••F | 810 |
| N54-••F••T | 810 |
| N54L-••F••F | 810 |
| N54L-••F••T | 810 |
| N54-••S••S | 810 |
| N54-••S••T | 810 |
| N56-••F••F | 801 |
| N56-••F••T | 801 |
| N57-••F••F | 799 |
| NAPRAV•••F-•• | 865 |
| NAPRAVF•••-•• | 865 |
| NAPRAVGFT•••-•• | 867 |

| | Page # |
|---|---|
| NAPRVFT•••-•• | 867 |
| NAPRVGT•••-•• | 866, 867 |
| N•BM• | 191 |
| N••CS | 10 |
| NCS-CSF-STZ••• | 825 |
| NCS-CSF-STZ•••C | 825 |
| NF307Y50GHT | 756 |
| NF307Y50GHT-KIT | 756 |
| NF610Y50••• | 756 |
| NF610Y100••• | 756 |
| NF615-50RAQT | 756 |
| NF615Y50••• | 756 |
| NF615Y100••• | 756 |
| NF615100RAQT | 756 |
| NFSGX•• | 1067 |
| NFSGX1•• | 1067 |
| N•F•-SS | 190 |
| NG•• | 624, 629, 957 |
| NK2•• | 210 |
| NK2••• | 210 |
| NK2S2 | 210 |
| N•M• | 191 |
| N•M•-SS | 191 |
| N•••NO | 362 |
| NPT•••TC | 1061 |
| N•S•-SS | 192 |
| NST•••TC | 816 |
| NV4M | 273, 909 |
| NV•F | 273, 909 |
| NW•• | 957 |
| NW••• | 957 |
| NZ•••• | 406 |
| NZ6540QCS | 406 |
| NZMMEG5P-••• | 406 |
| NZMQC5P-••• | 406 |
| NZ••••S | 406 |
| O246BU | 123, 1026 |
| O249BU | 123, 1026 |
| OA•• | 458 |
| OA-4N-SKIT | 1095 |
| OA-4P-SKIT | 1095 |
| OA-3512 | 1095 |
| OA-AC1 | 1095 |
| OA-ACL8 | 1095 |
| OA-AWR4 | 1095 |
| OA-KSV10-125 | 1095 |
| OA-KSV10-150 | 1095 |
| OA-RETAILKIT | 1094 |
| OA-SIGN | 1101 |

| | Page # |
|---|---|
| OCTOE32 | 951 |
| OCTOES32 | 951 |
| OCTS•• | 952 |
| P• | 434 |
| P•• | 434 |
| P1A-•••A | 319 |
| P1A-•••M | 319 |
| P-4EA-SKIT | 534 |
| P4F• | 194 |
| P4F6-9 | 194 |
| P4F6-S | 194 |
| P4F•-B | 194 |
| P4M• | 195 |
| P4M6 | 1098 |
| P4M6-9 | 195 |
| P4M6-S | 195 |
| P4M•-B | 195 |
| P8A-860• | 332 |
| PAP250 | 820 |
| PBC250 | 819 |
| PBLSS•• | 349 |
| PBLSS••• | 349 |
| PBLSS•••• | 349 |
| PCDVCHSS36 | 100 |
| PD•F• | 515 |
| PD•M• | 515 |
| PD•OM• | 515 |
| PEDF75 | 915 |
| PEDF200 | 915 |
| P-••E-SKIT | 401, 533 |
| P-•E-SKIT | 401, 533 |
| PFC250F | 818 |
| PFC250U | 818 |
| PFCW••• | 818 |
| PFCW•••F | 818 |
| PFCW•••F-Y | 818 |
| PFN4005• | 792 |
| PFNB150NST | 786 |
| PFNB•••S | 786 |
| PG700 | 278 |
| PG8083 | 1062 |
| PGA150NPSH | 789 |
| PGA•••NST | 789 |
| PGH50 | 410 |
| PGH100 | 410 |
| PGS•• | 347 |
| PGS••• | 347 |
| PGS•••• | 347 |
| PHDN75 | 413 |

| | Page # |
|---|---|
| P-••H-SKIT | 486 |
| P-•H-SKIT | 486 |
| PHW | 829 |
| PL••• | 268, 1100 |
| PL400LWF | 269 |
| PL400WF | 269 |
| PL•••L | 268 |
| PLUG•••F-C | 820 |
| PLUG•••S-C | 820 |
| PN••• | 951 |
| PN•••• | 951 |
| PN15 | 783 |
| PN15F | 783 |
| PNB75GHT | 413 |
| PND-450-4S | 1088 |
| PND-1020604C | 1085 |
| PND-B07-202AGC | 1084 |
| PND-B07-202MGC | 1084 |
| PND-CC1412 | 1088 |
| PND-D101 | 1085 |
| PND-D104 | 1085 |
| PND-D201 | 1087 |
| PND-D204-30 | 1087 |
| PND-D3406 | 1087 |
| PND-DATL016 | 1089 |
| PND-DATL128 | 1089 |
| PND-DFG2 | 1085 |
| PND-DFG5 | 1085 |
| PND-DQCKIT1 | 1086 |
| PND-DQCKIT2 | 1086 |
| PND-DQCKIT3 | 1086 |
| PND-DQCKIT4 | 1086 |
| PND-DQCKIT5 | 1086 |
| PND-DQCKIT6 | 1086 |
| PND-F07-200AC | 1084 |
| PND-F07-200MC | 1084 |
| PND-GAUGEKIT1 | 1088 |
| PND-L07-200AC | 1084 |
| PND-POSTER | 1089 |
| PND-PU1425 | 1088 |
| PND-R07-200RGC | 1084 |
| PND-RETAILKIT | 1083 |
| PND-SIGN | 1089 |
| PND-SK1098 | 1087 |
| PNS••• | 951 |
| PNS•••• | 951 |
| POLYHA•••• | 803 |
| POLYHA15S15F | 803 |
| POLYHA2515F | 803 |
| POLYHA2520T | 803 |
| PP250NYFD | 820 |

| | Page # |
|---|---|
| PPB•• | 86 |
| PPB••• | 86 |
| PPC•• | 87 |
| PPC••• | 87 |
| PPCF•• | 1008 |
| PPCM•• | 1008 |
| PPD•• | 87 |
| PPD••• | 87 |
| PPDV75 | 871 |
| PPE•• | 88 |
| PPE••• | 88 |
| PP•••F | 820 |
| PPF•• | 88 |
| PPF••• | 88 |
| PPH•• | 89 |
| PPH••• | 89 |
| PPLSS•• | 1006 |
| PPM• | 369, 1007 |
| PPN•• | 366, 1004 |
| PPN••• | 1004 |
| PPP•• | 89 |
| PPP••• | 89 |
| PPSO150• | 792 |
| PP•VEU•-MG | 997 |
| PP•VFC•-MG | 996 |
| PP•VFE•-MG | 996 |
| PP•VMC•-MG | 996 |
| PP•VME•-MG | 996 |
| PP•VTEU•-MG | 997 |
| PP•VUC•-MG | 997 |
| PRC | 776 |
| PRN•••F | 776 |
| PRWB | 776 |
| PS••• | 343, 344 |
| PS-12HF12-B | 489 |
| PS403 | 312 |
| PS417B | 316 |
| PS506 | 343 |
| PS-H12F12-B | 489 |
| PSM•••• | 283 |
| PSN76 | 413 |
| PSNP250NYC | 821 |
| PSNP250S | 821 |
| PSNP•••NST | 821 |
| PSNP•••NYFD | 821 |
| PSW | 828 |
| PSW-• | 828 |
| PT••• | 356 |
| PTH-•••AG | 319 |
| PTLS7540 | 970 |
| PTLS10040 | 970 |

| | Page # |
|---|---|
| PU•••• | 283 |
| PU1425-CBG | 283 |
| PV••• | 898 |
| PVFP•• | 898 |
| PVFP••• | 898 |
| PVFPN••• | 899 |
| PVFPS200 | 899 |
| PVFPSA200 | 899 |
| PV-HDWHL | 872 |
| PV-KNOB | 872 |
| PVN200 | 899 |
| P-••V-SKIT | 501 |
| P-•V-SKIT | 501 |
| PW6••B50••• | 754 |
| PW6••B100••• | 754 |
| PW-AL••• | 1074 |
| PW-AL323XX | 1076 |
| PW-AL324XX | 1076 |
| PW-AL-TPR25-•• | 1075 |
| PW-BLU-BINS | 1073 |
| PW-E3F3 | 1073 |
| PW-E3M3 | 1073 |
| PW-•EF•-B | 1073 |
| PW-E•F•-B | 1073 |
| PW-•EM•-B | 1073 |
| PW-E•M•-B | 1073 |
| PW••F••F | 863 |
| PW-HPSG | 1075 |
| PW-MSP••• | 1074 |
| PW-MSP4PAK | 1074 |
| PW-NZ•••• | 1075 |
| PW-NZ••••S | 1075 |
| PW-POSTER | 1076 |
| PW-RETAILKIT | 1072 |
| PW-SIGN | 1076 |
| PW••S••S | 863 |
| PYLS•••• | 970 |
| PYLS••••• | 970 |
| QTF75GHT-F | 769 |
| QTF••••-F | 769 |
| QTG-F | 769 |
| QTM75GHT-F | 769 |
| QTM••••-F | 769 |
| QTX150-F | 769 |
| R• | 434 |
| R•• | 434, 961 |
| R••• | 961 |

| | Page # |
|---|---|
| R1•S-A | 583, 585 |
| R2AAS | 583 |
| R•••-02C | 340 |
| R•••-02CG | 340 |
| R2•S | 583 |
| R2•SS-A | 585 |
| R03-0•R | 288 |
| R03-0•RG | 288 |
| R3AAAS | 583 |
| R3AAS | 583 |
| R3AASS-A | 585 |
| R3•S | 583 |
| R3•SS-A | 585 |
| R4•SS-A | 585 |
| R07-200RGC | 317 |
| R07-•••R | 318 |
| R07-•••RG | 318 |
| R08-02R | 289 |
| R08-02RG | 289 |
| R8P2SS | 577 |
| R11-•••RG | 324 |
| R15AAAS-A | 583, 585 |
| R15AAS-A | 583, 585 |
| R15•S | 583 |
| R15•S-A | 583, 585 |
| R16-••R | 298 |
| R16-••RG | 298 |
| R16-••RH | 298 |
| R16-••RHG | 298 |
| R17-•••R | 324 |
| R17-•••RG | 324 |
| R18-C05R | 324 |
| R18-C05RG | 324 |
| R18-••R | 298 |
| R18-••RG | 298 |
| R21-••R | 297 |
| R21-••RG | 297 |
| R25•S | 583 |
| R25•SS-A | 585 |
| R26-••R | 299 |
| R26-••RG | 299 |
| R26-••RH | 299 |
| R26-••RHG | 299 |
| R28-••R | 300 |
| R28-••RG | 300 |
| R30-••R | 300 |
| R30-••RG | 300 |
| R30-••RH | 300 |
| R30-••RHG | 300 |
| R40-0•R | 301 |
| R40-0•RG | 301 |

# Part Number Index


| | Page # |
|---|---|
| R43-•••RG | 326 |
| R46-•••R | 272 |
| R46-•••RG | 272 |
| R72G-•R | 323 |
| R72G-•RG | 323 |
| R72M-•R | 325 |
| R72M-•RG | 325 |
| R73G-•R | 323 |
| R73G-•RG | 323 |
| R74G-•R | 324 |
| R74G-•RG | 324 |
| R75AAAS | 583 |
| R75AAS | 583 |
| R75•S | 583 |
| R83-200R | 325 |
| R91-221RG | 325 |
| R119-••C | 341 |
| R119-••CG | 341 |
| R125AAS-A | 583, 585 |
| R125•S-A | 583, 585 |
| R200SS | 72 |
| R364-02C | 340 |
| R364-02CG | 340 |
| R374-02C | 340 |
| R374-02CG | 340 |
| R504-•••• | 424 |
| R515-50••• | 755 |
| R515-50•••/F | 755 |
| R515U50••• | 754 |
| R515U50•••/F | 754 |
| R515U100••• | 754 |
| R515U100•••/F | 754 |
| R1375•S | 583 |
| R515100••• | 755 |
| R515100•••/F | 755 |
| RA•• | 423 |
| RA••• | 423 |
| RA79• | 423 |
| RA•F•M | 450, 925 |
| RAGG•••• | 964 |
| RAGG••••• | 964 |
| RAM• | 180, 181 |
| RAM•• | 180 |
| RAM7T | 184 |
| RAM•WF | 184 |
| RAP••• | 1054 |
| RAPDISPLAY | 1054 |
| RAPDISPLAYFILL | 1054 |
| RAS••• | 424 |
| RB• | 157, 161 |
| RB•• | 154, 157, 161 |
| RB12SC | 156 |
| RB•••BL | 34 |
| RB•••EZ | 34 |
| R•••BU | 961 |
| R••BU | 961 |
| RBU• | 161 |
| RBU•• | 161 |
| RC•••BL | 36 |
| RC•••BLNO | 36, 37 |
| RC•••CEZ | 37 |
| RC•••EZ | 38 |
| RC•••EZ-•• | 39 |
| RC••••EZCR | 56 |
| RC•••EZCR | 6, 38 |
| RC•••EZNO | 38, 39 |
| RC•••EZPF | 38 |
| RC•••EZSWIV | 25 |
| RC•F•F | 449, 920 |
| R-CN | 115 |
| R-CN-P | 115 |
| R-CN-PLUG | 115 |
| R-CR | 115 |
| R-CR-C | 115 |
| R-CR-CAP | 115 |
| RD••• | 768 |
| RD••••• | 768 |
| RD-2AGSET-PV | 1092 |
| RD-3AGSET-PV | 1092 |
| RD-4AGF4 | 1091 |
| RD-4AGSET | 1091 |
| RD-4AGSET-PS | 1092 |
| RD-4HTF4 | 1091 |
| RD-4HTOF5 | 1091 |
| RD-4KDP | 1093 |
| RD-4K-G-DP | 1093 |
| RD-4K-Y-DP | 1093 |
| RD15••• | 766 |
| RD15193F | 766 |
| RDA90•••EZ | 58 |
| RDA••••BL | 54 |
| RDA••••EZ | 54 |
| RD-AG4F4 | 1092 |
| RD-AG4F4-PV | 1092 |
| RD-AG4OF4 | 1092 |
| RD•••BL | 41 |
| RDD••••EZ | 55 |
| RDD•••EZ | 55 |
| RD•••EZ | 42 |
| RD•••EZHD | 42 |
| RD•••EZSWIV | 25 |
| RD•••••F | 768 |
| RD-HT4OF5 | 1091 |
| RD-K4DC | 1093 |
| RDL•••EZ | 61 |
| RDM• | 367 |
| RDM•• | 367 |
| RD-RETAILKIT | 1090 |
| RDWBPST•••EZ | 63 |
| RDWSP•••EZ | 62 |
| RE•••-•••• | 44 |
| REL•••• | 931 |
| R-EN | 115 |
| RE•••NO | 44 |
| R-EN-P | 115 |
| R-EN-PLUG | 115 |
| REP400AS/SP | 848 |
| REP•••AS | 848 |
| REP•••AS-• | 848 |
| RE•••PF | 43 |
| REP•••HY | 848 |
| REP•••PT | 848 |
| REP•••SP | 848 |
| REP•••SP-• | 848 |
| R-ER | 115 |
| R-ER-C | 115 |
| R-ER-CAP | 115 |
| RES•• | 373 |
| RES••• | 373 |
| RFC••• | 816 |
| RFC•••F | 816 |
| RFC•••F-• | 816 |
| RFP•••F | 821 |
| RFST•• | 361 |
| RFST••• | 361 |
| RFST••CS | 10 |
| RG•••• | 386 |
| RG••••• | 381, 386 |
| RGB• | 153, 154 |
| RGB•• | 153, 154 |
| RGF•• | 153 |
| RGFAS6 | 156 |
| RGFAS11 | 156 |
| RGF••P• | 155 |
| RGMAS6 | 156 |
| RH••••• | 768 |
| RHA•••• | 801 |
| RHA••••F | 801 |
| RHA••S•• | 801 |
| RHA••S••F | 801 |
| RHA••S••T | 801 |
| RHA••••T | 801 |
| RHA••T••F | 801 |
| RHC••• | 921 |
| RHC•••B | 921 |
| RHC••B | 921 |
| RHC•••FS | 921 |
| RHC••FS | 921 |
| RHC•••G | 921 |
| RHC••G | 921 |
| RHC•••SS | 921 |
| RHC••SS | 921 |
| RH•••EZ | 49 |
| RHEZ6 | 67 |
| RHEZ34 | 67 |
| RHEZ152 | 67 |
| RHEZ175 | 67 |
| RH•••••F | 768 |
| R-HN | 116 |
| R-HN-P | 116 |
| R-HN-PLUG | 116 |
| RHN••••SS | 928 |
| R-HR | 116 |
| R-HR-C | 116 |
| R-HR-CAP | 116 |
| RHS• | 389 |
| RHS•• | 389 |
| RHS••• | 389 |
| RHSC34 | 66 |
| RHSC152 | 66 |
| RHSC175 | 66 |
| RIC150F | 847 |
| RJT-•••SP | 648 |
| RK••• | 282 |
| RK119• | 344 |
| RKB605WB | 344 |
| RKR•••Y | 344 |
| RLBEZ••• | 24 |
| RLC•••EZ | 29, 176 |
| RLCEZ••• | 24 |
| RLD•••EZ | 30, 177 |
| RLDEZ••• | 24 |
| RLH•••EZ | 30, 177 |
| RLHEZ••• | 24 |
| RLP•• | 160 |
| RM• | 368 |
| RMA••• | 424 |
| RMS• | 159 |
| RMS•• | 159 |
| RN•• | 361, 426 |
| RN••• | 361, 426 |
| RNB150NST | 787 |
| RNB150S | 787 |
| RN••CS | 10 |

| | Page # |
|---|---|
| RNW•••-40 | 957 |
| R••P• | 577 |
| R••P•••• | 577 |
| RPA-95-••• | 313 |
| RPA-96-••• | 313 |
| RPD•90150 | 175 |
| RPD•901510 | 175 |
| R••P•LJR15 | 576 |
| RPN•• | 438 |
| R••P•SOR15 | 576 |
| RRHS•• | 389 |
| RRP-95-••• | 314 |
| RRP-95-590 | 316 |
| RRP-96-••• | 313, 314 |
| RS••••• | 768 |
| RS15••• | 766 |
| RS15•••F | 766 |
| RSDM•• | 372 |
| RSE•••••F | 832 |
| RSE•••••F-C | 832 |
| RS•••••F | 768 |
| RSF•••F | 796 |
| RSF••F••T | 796 |
| RSFSA•••F | 795 |
| RSFSA••F••T | 795 |
| RSHR•• | 372 |
| RSK•• | 372 |
| RSM•••F | 808 |
| RSM••F••T | 808 |
| RSM•••S | 808 |
| RSMSA250F-Z | 809 |
| RSMSA•••F | 809 |
| RSMSA••F••T | 809 |
| RSMSA••F••T-Z | 809 |
| RSS•• | 389 |
| RST• | 358 |
| RST•• | 358 |
| RST•••• | 360 |
| RST••A | 359 |
| RSTB• | 359 |
| RSTB•• | 359 |
| RSTB••CS | 9 |
| RST••CS | 9 |
| RST•••NOS | 363 |
| RST••PF | 363 |
| RSTV•• | 359 |
| RSTV••CS | 9 |
| RTCA•• | 124 |
| RTCT•• | 125 |
| R-TN | 116 |
| R-TN-P | 116 |

| | Page # |
|---|---|
| R-TR-C | 116 |
| R-TR-CAP | 116 |
| RTW••• | 768 |
| RTW150 | 767 |
| RWDGV250F | 857 |
| RWDGV3025F | 857 |
| RWF•• | 157 |
| S•• | 370 |
| S••• | 370, 371 |
| S••••• | 766, 768 |
| S6175 | 862 |
| S6175S | 862 |
| S7100 | 862 |
| S7100-15 | 862 |
| S7100-15S | 862 |
| S7337S | 862 |
| SA15Y57 | 344 |
| SA161X57 | 344 |
| SA200•W57 | 344 |
| SA4050AL | 1036 |
| SAEB-••-•• | 1014 |
| SAEC-••-•• | 1014 |
| SAHW | 828 |
| SAP• | 361 |
| SAP•• | 361 |
| SAR10Y57 | 344 |
| SB•• | 370 |
| SB••• | 370 |
| SBC•••AL | 106 |
| SBC•••ALFL | 106 |
| SBC•••ALMNPT | 106 |
| SBC•••ALTTMA | 106, 143 |
| SBC•••ALTTMASV | 106, 143 |
| SBC-E300CC13 | 721 |
| SBC-E300TP13 | 721 |
| SBCS | 187 |
| SBC•••SS | 106 |
| SBC•••SSFL | 106 |
| SBC•••SSMNPT | 106 |
| SBDV•• | 864 |
| SBG | 187 |
| SB••N | 371 |
| SC••• | 479 |
| SC•••• | 479 |
| SC•••ABS | 827 |
| SCAP12-25 | 474 |
| SCAP12-100 | 474 |
| SCAP916-25 | 474 |
| SCAP916-100 | 474 |

| | Page # |
|---|---|
| SCCW•••• | 479 |
| SCM•• | 271 |
| SC•••-NL | 827 |
| SCS4025F | 838 |
| SCV••• | 276, 561, 912 |
| SCVH• | 270, 910 |
| SCVH•• | 270, 910 |
| SCVJ• | 270, 910, 1099 |
| SCVJ6 | 1099 |
| SCVL• | 270, 910 |
| SCVL•• | 270, 910 |
| SCVM• | 270, 910 |
| SCVM•• | 270, 910 |
| SCVR• | 270, 910 |
| SCVS• | 264, 270, 910 |
| SCVS•• | 270, 910 |
| SCVS6 | 1099 |
| SD•• | 372 |
| SD•200 | 72 |
| SD•300 | 72 |
| SD•400 | 72 |
| SDMP•• | 372 |
| SE45•• | 933 |
| SE45••• | 264, 933 |
| SE45•••G | 933 |
| SE45••G | 933 |
| SE90•• | 932 |
| SE90••• | 932 |
| SE90••B | 932 |
| SE90••FS | 932 |
| SE90••G | 932 |
| SE90••SS | 932 |
| SE•F•M | 453, 931 |
| SEGC0-•.••-•• | 1018, 1070 |
| SEGC1-•.••-•• | 1018, 1070 |
| SEGS0-•.••-•• | 1018, 1070 |
| SEGS1-•.••-•• | 1018, 1070 |
| S•••••F | 766, 768 |
| SF•20FGXFGCS00 | 136 |
| SF•20FGXFGCS10 | 136 |
| SF•20WXWCS00 | 136 |
| SF•20WXWCS10 | 136 |
| SF300NYFDSS | 841 |
| SFC••• | 560, 904 |
| SFC•••• | 560, 904 |
| SF•••F | 796 |
| SF•••F-• | 796 |
| SF•••F-D | 796 |
| SF••••FSS | 841 |
| SF•••FSS | 841 |
| SF••F••T | 796 |

| | Page # |
|---|---|
| SFMF••• | 550, 950 |
| SFMF•••• | 550, 950 |
| SFMF•••-45 | 550, 950 |
| SFMF••••-45 | 550, 950 |
| SFMF•••-90 | 550, 950 |
| SFMF••••-90 | 550, 950 |
| SF•••NYFD | 796 |
| SF•••S | 796 |
| SFSA30-••••F | 825 |
| SFSA30-••••F-LH | 825 |
| SFSA••••F | 823 |
| SFSA••••F-LH | 823 |
| SFSA••••S | 823 |
| SG••• | 472 |
| SGH•• | 410 |
| SGH••• | 410 |
| SGP••• | 827 |
| SGS•••-NL | 827 |
| SGV••• | 860 |
| SGV30-••• | 860 |
| SGV•••F | 864 |
| SGVF••• | 864 |
| SHA5045F | 826 |
| SHD2•• | 207 |
| SHD4•• | 207 |
| SHD•S• | 208 |
| SHELFGRAPHIC | 1076, 1082, 1089 |
| SHP•• | 938 |
| SHP••• | 938 |
| SHP•••B | 938 |
| SHP•••FS | 938 |
| SHP••FS | 938 |
| SHP•••G | 938 |
| SHP••G | 938 |
| SHP•••SS | 938 |
| SHP••SS | 938 |
| SHS•• | 389 |
| SHS••• | 389 |
| SIC250F | 847 |
| SIC250F-• | 847 |
| SIGNHOLDER | 1076, 1082, 1089, 1101 |
| SJSS•••*BB120 | 726 |
| SJSS•••*CC120 | 726 |
| SJSS-REPAR-E••• | 726 |
| SJSS-REPAR-S••• | 726 |
| SK•• | 372 |
| SK1098 | 476 |
| SL•• | 189 |
| SL••• | 786 |

# Part Number Index


| | Page # |
|---|---|
| SL•••F | 188 |
| SL•••H | 188 |
| SL•••M | 188 |
| SL•••NST | 786 |
| SLP1 | 189 |
| SLR• | 189 |
| SLS••• | 374, 422 |
| SLS4 | 154 |
| SLT10050 | 851, 1062 |
| SM300NYFDSS | 841 |
| SM515W50••• | 754 |
| SMB450 | 827 |
| SMB1525 | 827 |
| SM•••F | 808 |
| SM•••F-D | 808 |
| SM••F••F | 808 |
| SM••••FSS | 841 |
| SM•••FSS | 841 |
| SM••F••T | 808 |
| SM••F••T-D | 808 |
| SM•••NYFD | 808 |
| SM•••S | 808 |
| SM••S••F | 808 |
| SMV••• | 560, 904 |
| S••N | 371 |
| SN••• | 560, 905 |
| SN•••• | 560, 905 |
| SN75 | 413 |
| SO••• | 956 |
| SO•••• | 956 |
| SOE•• | 935 |
| SOE••• | 935 |
| SOR••• | 956 |
| SOT•• | 935 |
| SOT••• | 935 |
| SP•• | 386 |
| SP••• | 381, 386 |
| SQF-• | 272 |
| SRH360•••-G••• | 722 |
| SRH360•••-R••• | 722 |
| SS••• | 376, 419, 472 |
| SS•••-• | 837 |
| SS337 | 157 |
| SS2404-•-• | 544 |
| SS2404-••-•• | 544 |
| SS2405-•-• | 544 |
| SS2405-••-•• | 544 |
| SS2501-•-• | 546 |
| SS2501-••-•• | 546 |
| SSA•• | 395 |
| SSA•••• | 826 |

| | Page # |
|---|---|
| SSBV•• | 882 |
| SSBV••• | 882 |
| SSBV•••SR | 884 |
| SSBV••SR | 884 |
| SSBV•••TW | 881 |
| SSBV••TW | 881 |
| SSC•• | 420 |
| SSCAP•• | 937 |
| SSCF7•• | 420 |
| SSCM74 | 420 |
| SSC-T••-1 | 1017 |
| SSC-T••-2 | 1017 |
| SSCVIL••• | 913 |
| SSE•• | 1066 |
| SSGV•• | 900 |
| SSGV••• | 900 |
| SSLBV•• | 883 |
| SSLBV••• | 883 |
| SSLBV•••SP | 883 |
| SSLBV••SP | 883 |
| SSPM• | 440 |
| SST•• | 935 |
| SST••• | 935 |
| SST10 | 278 |
| ST• | 358 |
| ST•• | 358 |
| ST••• | 358 |
| ST8DC-A-V2 | 514 |
| ST16DC-A | 514 |
| ST16F16-SS | 513 |
| ST204B | 472 |
| ST205G | 472 |
| ST206R | 472 |
| STB• | 359 |
| STB•• | 359 |
| STB••• | 359 |
| STBC••• | 466 |
| STBC•••• | 466 |
| STBC••••L | 468 |
| STBC•••L | 468 |
| STB••CS | 9 |
| ST••BF•• | 513 |
| ST•BF• | 513 |
| ST•BF•• | 513 |
| ST•BF••-SS | 513 |
| ST•BF••-SS | 513 |
| ST•BF••-V2 | 513 |
| STC• | 358 |
| STC•• | 358 |
| STC••• | 358 |
| STC•••• | 360 |

| | Page # |
|---|---|
| STC-360-R••• | 722 |
| STC••A | 359 |
| STC••CS | 9, 11 |
| STC••CSHD | 12, 173 |
| STC-RK••• | 722 |
| ST•DC-A | 514 |
| ST••F•• | 513 |
| ST•F• | 513 |
| ST•F•• | 513 |
| STFC• | 399 |
| STFC•• | 399 |
| STFC•SS | 399 |
| STFP• | 400 |
| STFP•• | 400 |
| STFP•B | 400 |
| STFP•SS | 400 |
| ST•F••-SS | 513 |
| ST•F••-SS | 513 |
| ST•F••-V2 | 513 |
| ST•F••-V2 | 513 |
| STMC• | 399 |
| STMC•• | 399 |
| STMC•SS | 399 |
| STMP• | 400 |
| STMP•• | 400 |
| STMP•B | 400 |
| STMP•SS | 400 |
| ST••OF•• | 513 |
| ST•OF• | 513 |
| ST•OF•• | 513 |
| ST••PF | 363 |
| STR2•••• | 953 |
| STR3•••• | 954 |
| STR6648 | 954 |
| ST•-SKIT | 514 |
| ST••-SKIT | 514 |
| STV•• | 359 |
| STV••• | 359 |
| STV••CS | 9, 11 |
| STW••• | 767, 768 |
| SUBV•• | 899 |
| SUBV••• | 899 |
| SUBVN100 | 899 |
| SV•• | 275, 285, 911 |
| SV••• | 264, 275, 911 |
| SV•••HD | 275, 911 |
| SV••HD | 275, 911 |
| SV•••SS | 275, 911 |
| SV••SS | 275, 911 |
| SW•• | 372, 831 |
| SW••• | 64, 372, 767, 768, 777, |

| | Page # |
|---|---|
| SW80-•••••• | 945 |
| SW1530 | 831 |
| SWB-2 | 831 |
| SWB-S-• | 831 |
| SWCV•• | 914 |
| SWCV••• | 914 |
| SWDS | 393 |
| SWDSHOSE•• | 411 |
| SWDS-SS | 394 |
| SW•••F | 767, 782, 821 |
| SWG300-4 | 1062 |
| SWMF••• | 1044 |
| SWMF-RK• | 1041 |
| SWMF-RK•• | 1041, 1044 |
| SWNZ380-••• | 405 |
| SW-S400 | 831 |
| S•••X•••X090CS | 17, 172 |
| S••••X•••X120CS | 17, 172 |
| S•••X•••X120CS | 17, 172 |
| SZW2 | 831 |
| SZW2-NL | 831 |
| T••• | 956, 965 |
| T•••• | 956, 965 |
| T2CM-•••PL | 651 |
| T2CM-•••PM | 651 |
| T2CMP-•••PL | 651 |
| T2CMP-•••PM | 651 |
| T2KM-•••PL | 652 |
| T2KM-•••PM | 652 |
| T2KMP-•••PL | 652 |
| T2KMP-•••PM | 652 |
| T2KS-•••PL | 652 |
| T2KS-•••PM | 652 |
| T2S88-•••PL | 652 |
| T2S88-•••PM | 652 |
| T2S92-•••PL | 652 |
| T2S92-•••PM | 652 |
| T2S-•••PL | 651 |
| T2S-•••PM | 651 |
| T3F3-SS | 527 |
| T7IMPS-••••••PL | 657 |
| T7IMPS-••••••PM | 657 |
| T7IWWMS••••••PL | 657 |
| T7IWWMS••••••PM | 657 |
| T7MP-•••PL | 654 |
| T7MP-•••PM | 654 |
| T7MPS-•••PL | 656 |
| T7MPS-•••PM | 656 |
| T7RMP-••••••PL | 655 |

| | Page # |
|---|---|
| T7RMPS-••••••PM | 657 |
| T7RWWMS••••••PL | 656 |
| T7RWWMS••••••PM | 656 |
| T7RWWW-••••••PL | 653 |
| T7RWWW-•••••PL | 653 |
| T7RWWW-••••••PM | 653 |
| T7RWWW-•••••PM | 653 |
| T7WWM-•••PL | 654 |
| T7WWM-•••PM | 654 |
| T7WWMS-•••PL | 655 |
| T7WWMS-•••PM | 655 |
| T7WWW-•••PL | 653 |
| T7WWW-•••PM | 653 |
| T14VB-•••PL | 650 |
| T16AMP-••••••PL | 649 |
| T16AMP-•••PL | 649 |
| T16AMP-••••••PM | 649 |
| T16AMP-•••PM | 649 |
| T16W-•••PL | 649 |
| T16W-•••PM | 649 |
| T22MP-••••••PL | 650 |
| T22MP-•••PL | 650 |
| T31M-••••••PL | 661 |
| T31M-••••••PM | 661 |
| T31W-••••••PL | 661 |
| T31W-••••••PM | 661 |
| T32M-••••••PL | 663 |
| T32M-••••••PM | 663 |
| T32W-••••••PL | 662 |
| T32W-••••••PM | 662 |
| T600-60F | 957 |
| T3114MP••••••PL | 662 |
| T3114MP••••••PM | 662 |
| T3214MP••••••PL | 663 |
| T3214MP••••••PM | 663 |
| TA••• | 939, 1008, 1009 |
| TA•••F | 1009 |
| TBC••• | 466 |
| TC97 | 1003 |
| TC97RB | 1003 |
| TCF• | 942 |
| TCF•• | 1005, 1008 |
| TCM•• | 1008 |
| TCMR-T•• | 1017 |
| TCN••• | 940 |
| TCR-T••-•• | 1017 |
| TCS••••F | 840 |
| TCS••••F-•• | 840 |
| TCT•• | 125 |
| T•DC | 528 |
| TD•-•DC-A | 530 |

| | Page # |
|---|---|
| TD•F•-SS | 530 |
| TD•PF•.•-SS | 530 |
| TES-••-•• | 1015 |
| TETF3X4•• | 134 |
| TETF4AL | 119, 134, 1032 |
| TETF4AL-• | 134 |
| TETF4AL-•/• | 134 |
| TETF4AL-•/•/• | 134 |
| TETF4AL-••• | 134 |
| TETF4ALFP•• | 134 |
| TETF4ALFP50 | 119, 1032 |
| TETFG4AL | 119, 134, 1032 |
| T•F• | 527 |
| TF•• | 1005 |
| TFK | 252 |
| TFN150-••• | 788 |
| TFN150NST-••• | 788 |
| T•F•-PV | 527 |
| TFS•• | 1005 |
| T•F•-SS-PV | 527 |
| TFV•• | 274, 908 |
| TFV2 | 908 |
| TFV2HB | 274, 908 |
| TF••WF•-80 | 577 |
| TG•• | 575 |
| TG••-•• | 575, 576 |
| TG••• | 575 |
| TG•••-•• | 576 |
| TGL•• | 575 |
| TGL••-•• | 575, 576 |
| TGL••• | 575 |
| TGR•• | 575 |
| THB•• | 939, 1005 |
| THN•• | 366, 1004 |
| TL14AM7-•••PL | 601, 651 |
| TL14AM7-•••PM | 601, 651 |
| TLD-•••S | 138 |
| TLFS•• | 1006 |
| TLS•• | 1006, 1009 |
| TLSS•• | 1006 |
| TLT•• | 1009 |
| TLTD-•••S | 138 |
| TLV-•••TFVBVIAL | 138 |
| TM• | 369, 1007 |
| TM•• | 369, 575, 1007 |
| TM••-•• | 576 |
| TM••• | 575 |
| TM•••-•• | 576 |
| TML•• | 575 |
| TML••-•• | 576 |
| TML••• | 575 |

| | Page # |
|---|---|
| TMR••-•• | 575, 576 |
| TN | 114 |
| TN•• | 1004 |
| TN••• | 1004 |
| TN•••• | 1004 |
| TN-P | 114 |
| TN-PLUG | 114 |
| TN•••X• | 927 |
| TN•••X•B | 451, 926 |
| TN•••X•SS | 927 |
| TP•• | 575 |
| TP••-•• | 575, 576 |
| TP••• | 575 |
| TP•••-•• | 576 |
| TPF•• | 1010 |
| TPG | 1064 |
| TPL•• | 575 |
| TPL••-•• | 575 |
| TPL••• | 575 |
| TPM• | 369, 1010 |
| TPN•• | 1010 |
| TPP140 | 409 |
| TPR•• | 575 |
| TPR••-•• | 576 |
| TPS• | 942 |
| TPS•• | 942 |
| TPX• | 942 |
| TPX•• | 942 |
| TR | 114 |
| TR••• | 956 |
| TR•BF• | 503 |
| TR-C | 114 |
| TR-CAP | 114 |
| TR•F• | 503 |
| TRW7 | 1011 |
| TSA•• | 939 |
| TSE•• | 941 |
| TSS•• | 389 |
| TSSS••• | 1007 |
| TSST••• | 1007 |
| TT4ASG-ETH | 1026 |
| TT4ASG-ETHOE | 1026 |
| TT•50 | 1055 |
| TT•75 | 1055 |
| TTA50LP | 1055 |
| TTA50SS | 1055 |
| TT•ASG | 123, 1026 |
| TT•ASG-ETH | 123, 1026 |
| TT•ASG-ETHOE | 123 |
| TT•ASGOE | 123, 1026 |
| TTB100 | 1055 |

| | Page # |
|---|---|
| TTC• | 942 |
| TTF4AL-•FT | 118, 1031 |
| TTF400SP | 118, 1031 |
| TTF•AL | 118 |
| TTF•AL-•EMT | 118, 1031 |
| TTF•AL-•MT | 118, 1031 |
| TTFS4AL-FP50 | 119, 1032 |
| TTFS4SS | 123, 1026 |
| TTFST••CS | 10 |
| TTFST••CS-THK | 10 |
| TTMA-64 | 118 |
| TTMAHK-C | 137 |
| TTPM••-••• | 1055 |
| TTPM••-•••• | 1055 |
| TTPM•••-••• | 1055 |
| TTPM•••-•••• | 1055 |
| TUN0••G | 922 |
| TUN•F | 922 |
| TUN•••FS | 922 |
| TUN•••G | 922 |
| TUN•••SS | 922 |
| TVPC200-300 | 748 |
| TVS7-30 | 412 |
| TVSEC-G••• | 747 |
| T•W7 | 412, 1011 |
| TWGV25 | 1062 |
| TYP2501 | 281 |
| TYP2501-• | 281 |
| TYP2501-•• | 281 |

| | |
|---|---|
| U••• | 990, 991 |
| UHGV250F | 858 |
| UHGV250F-D | 858 |
| UHGV250-W | 858 |
| UPP250F | 777, 783 |
| UPP250F-SPEC | 783 |
| UPPT | 783 |
| UPPT••• | 783 |
| USBG | 187 |
| USW | 828 |

| | |
|---|---|
| V2DC | 500 |
| VB-050-••• | 138 |
| V••BF•• | 496 |
| V•BF• | 496 |
| V••BF••-B | 496 |
| V•BF•-B | 496 |
| V••BF••-B-E | 499 |
| V•BF•-B-E | 499 |

# Part Number Index


| | Page # |
|---|---|
| V•BF•-E | 499 |
| V••BF••-SS | 496 |
| V•BF•-SS | 496 |
| V••BF••-SS-E | 499 |
| V•BF•-SS-E | 499 |
| V•-BRKIT | 502 |
| V••DC-A | 500 |
| V•DC-A | 500 |
| VEP8F8-SS | 516 |
| VEP••BF•• | 517 |
| VEP•BF• | 517 |
| VEP••DC-A | 517 |
| VEP•DC-A | 517 |
| VEP••F•• | 517 |
| VEP•F• | 517 |
| VEP••F••-BOP | 519 |
| VEP•F•-BOP | 519 |
| VEP••FH•• | 518 |
| VEP•FH• | 518 |
| VEP••FP•• | 518 |
| VEP•FP• | 518 |
| VEP••OF•• | 517 |
| VEP•OF• | 517 |
| V••F•• | 496 |
| V•F• | 496 |
| V••F••-B | 496 |
| V•F•-B | 496 |
| V••F••-B-E | 499 |
| V•F•-B-E | 499 |
| V••F••-E | 499 |
| V•F•-E | 499 |
| V••F••-SS | 496 |
| V•F•-SS | 496 |
| V••F••-SS-E | 499 |
| V•F•-SS-E | 499 |
| V••JM•• | 495 |
| V•JM• | 495 |
| V••M•• | 495 |
| V•M• | 495 |
| V••M••-B | 495 |
| V•M•-B | 495 |
| V•M•-B-E | 498 |
| V••M••-E | 498 |
| V•M•-E | 498 |
| V••M••-SS | 495 |
| V•M•-SS | 495 |
| V••M••-SS-E | 498 |
| V•M•-SS-E | 498 |
| VN••••-200 | 966 |
| VNR••••-200 | 966 |
| V••OF•• | 496 |

| | Page # |
|---|---|
| VR4030CS-AL | 120, 1033 |
| VR4030CS-SH | 120, 121, 1034 |
| VR4040CS-4MNPT | 121, 1034 |
| VR4040CS-AL | 120, 1033 |
| VR4040CS-ALS45 | 121, 1034 |
| VR4040CSRK• | 120, 121, 1033, 1034 |
| VR4050AL | 1035 |
| VR4050PL | 1035 |
| VR4086 | 1028 |
| VR4086-BY | 1028 |
| VR6200 | 1022 |
| VR6200NP | 1022 |
| VRC3000AL | 120, 1033 |
| VR••••CS-AL | 121, 1034 |
| VR••••CS-AL45 | 121, 1034 |
| VRHK | 121, 1034 |
| VRHK-C | 121, 1034 |
| V•-RKIT | 502 |
| V•-SSRKIT | 502 |
| VT | 112 |
| VT7 | 112 |
| VT9 | 112 |
| VTT | 112 |
| VTX | 112 |
| VTX-9 | 112 |
| W• | 158 |
| W•• | 158 |
| WA• | 261, 1099 |
| WA2B | 261 |
| WA4FL12X•••-• | 171 |
| WA4FL12X••••-• | 171 |
| WA•SS | 261 |
| WB• | 261, 1099 |
| WB1C | 261 |
| WBC | 158 |
| W••BF••-B | 521 |
| W•BF•-B | 521 |
| W•-BMF | 521 |
| W••-BMF | 521 |
| WBN••• | 262 |
| WB•SS | 261 |
| WD•01ALV | 902, 1052 |
| WD•01ALVB | 902, 1052 |
| WD•06ALV | 902, 1052 |
| WD•06ALVB | 902, 1052 |
| WD40 | 1063 |

| | Page # |
|---|---|
| W•DC | 521 |
| WDGV250NYFD | 856 |
| WDGV3025F | 857 |
| WDGV•••F | 856, 857 |
| WDH••BK50RAS | 763 |
| WDH••BK50RAT | 763 |
| WDH••BK50UC | 765 |
| WDH••BK100RAF | 763 |
| WDH••BK100RAS | 763 |
| WDH••BK100RAT | 763 |
| WDH••BK100UC | 765 |
| WDH••BK••GAX | 764 |
| WDH••BK••KAF | 764 |
| WDH••BK••KAS | 764 |
| WDH••BK••RAF | 763 |
| WDS0-SS | 394 |
| WDS1 | 393 |
| WDS1-SS | 394 |
| WDSR | 393 |
| W•F• | 521 |
| WF• | 157 |
| WF•• | 157 |
| WF••• | 157 |
| WF26-1 | 157 |
| W••F••-B | 521 |
| W•F•-B | 521 |
| WH50X6AKBS50 | 1101 |
| WH50X6AKBS87 | 1101 |
| WH75X6AK35 | 265, 1101 |
| WH300-• | 72 |
| WH400-• | 72 |
| WH••X•AKBS• | 265 |
| WHYD••••F | 861 |
| WM• | 158 |
| WM•• | 158 |
| WN•• | 952 |
| WN••• | 957 |
| WN1000 | 957 |
| WOC-T•• | 1016 |
| WP2H-•••-• | 845 |
| WP2H••-• | 845 |
| WP2H-ASSP-• | 845 |
| WP3H••-• | 845 |
| W•-RKIT-V2 | 522 |
| W••-RKIT-V2 | 522 |
| WSB-•• | 1013 |
| WSB-••-•• | 1013 |
| WSB-••-••• | 1013 |
| WSB-20Z | 1013 |
| WS••BF•• | 523 |
| WS•BF• | 523 |

| | Page # |
|---|---|
| WS•BF•-SS | 523 |
| WSB-••T | 1013 |
| WSB-••T-••• | 1013 |
| WS••DC-A | 525 |
| WS•DC-A | 525 |
| WS••F•• | 523 |
| WS•F• | 523 |
| WS••F••-BOP | 526 |
| WS•F•-BOP | 526 |
| WS••FH•• | 524 |
| WS•FH• | 524 |
| WS••FP•• | 524 |
| WS•FP• | 524 |
| WS••F••-SS | 523 |
| WS•F•-SS | 523 |
| WS••F••-SS-BOP | 526 |
| WS•F•-SS-BOP | 526 |
| WS••OF•• | 523 |
| WS•OF• | 523 |
| WSR• | 261, 1099 |
| WSR1• | 261 |
| WSR•SS | 261 |
| WSS•• | 462 |
| WTB-T•• | 1016 |
| WTB-T••Z | 1016 |
| X02-04 | 311 |
| X02-04MB | 311 |
| X03-02 | 297 |
| X03-02MB | 297 |
| X27 | 478 |
| XK3F3 | 511 |
| XLS-••A0120P | 894 |
| XPO-•4F | 894 |
| XSO-4•••-0A | 894 |
| Y••• | 970 |
| Y10075 | 267 |

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