

⚠ 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.

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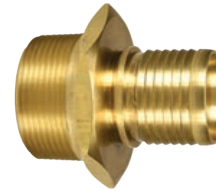


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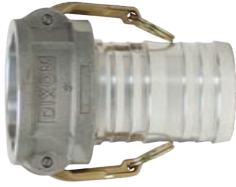
Crimp Working Pressure Chart

| Size | Temperature | Fitting | Clamp | Working Pressure PSIG | Size | Temperature | Fitting | Clamp | Working Pressure PSIG |
|--------|---------------|---------|---------|-----------------------|------|---------------|---------|---------|-----------------------|
| 1" | Ambient | STC10CS | sleeve | 400 | 3" | Ambient | STC35CS | sleeve | 200 |
| | 160°F (71°C) | | | 270 | | 160°F (71°C) | | | 140 |
| | 180°F (82°C) | | | 250 | | 180°F (82°C) | | | 100 |
| | 250°F (121°C) | | | 200 | | 250°F (121°C) | | | 75 |
| | Ambient | STC10CS | ferrule | 400 | | Ambient | STC35CS | ferrule | 300 |
| | 160°F (71°C) | | | 270 | | 160°F (71°C) | | | 218 |
| | 180°F (82°C) | | | 250 | | 180°F (82°C) | | | 200 |
| | 250°F (121°C) | | | 200 | | 250°F (121°C) | | | 100 |
| | Ambient | 100-C/E | sleeve | 250 | | Ambient | 300-C/E | sleeve | 125 |
| | 160°F (71°C) | | | 242 | | 160°F (71°C) | | | 100 |
| | 180°F (82°C) | | | 240 | | 180°F (82°C) | | | 60 |
| | 250°F (121°C) | | | 200 | | 250°F (121°C) | | | 55 |
| | Ambient | 100-C/E | ferrule | 250 | | Ambient | 300-C/E | ferrule | 150 |
| | 160°F (71°C) | | | 242 | | 160°F (71°C) | | | 125 |
| | 180°F (82°C) | | | 240 | | 180°F (82°C) | | | 100 |
| | 250°F (121°C) | | | 200 | | 250°F (121°C) | | | 75 |
| 1-1/2" | Ambient | STC20CS | sleeve | 300 | 4" | Ambient | STC40CS | sleeve | 175 |
| | 160°F (71°C) | | | 225 | | 160°F (71°C) | | | 100 |
| | 180°F (82°C) | | | 200 | | 180°F (82°C) | | | 100 |
| | 250°F (121°C) | | | 100 | | 250°F (121°C) | | | 50 |
| | Ambient | STC20CS | ferrule | 350 | | Ambient | STC40CS | ferrule | 300 |
| | 160°F (71°C) | | | 225 | | 160°F (71°C) | | | 218 |
| | 180°F (82°C) | | | 200 | | 180°F (82°C) | | | 200 |
| | 250°F (121°C) | | | 150 | | 250°F (121°C) | | | 100 |
| | Ambient | 150-C/E | sleeve | 250 | | Ambient | 400-C/E | sleeve | 110 |
| | 160°F (71°C) | | | 200 | | 160°F (71°C) | | | 75 |
| | 180°F (82°C) | | | 100 | | 180°F (82°C) | | | 60 |
| | 250°F (121°C) | | | 75 | | 250°F (121°C) | | | 50 |
| | Ambient | 150-C/E | ferrule | 250 | | Ambient | 400-C/E | ferrule | 150 |
| | 160°F (71°C) | | | 200 | | 160°F (71°C) | | | 75 |
| | 180°F (82°C) | | | 150 | | 180°F (82°C) | | | 75 |
| | 250°F (121°C) | | | 100 | | 250°F (121°C) | | | 75 |
| 2" | Ambient | STC25CS | sleeve | 250 | 6" | Ambient | STC60CS | sleeve | 75 |
| | 160°F (71°C) | | | 150 | | 160°F (71°C) | | | --- |
| | 180°F (82°C) | | | 125 | | 180°F (82°C) | | | --- |
| | 250°F (121°C) | | | 80 | | 250°F (121°C) | | | --- |
| | Ambient | STC25CS | ferrule | 300 | | Ambient | STC60CS | ferrule | 230 |
| | 160°F (71°C) | | | 239 | | 160°F (71°C) | | | --- |
| | 180°F (82°C) | | | 225 | | 180°F (82°C) | | | --- |
| | 250°F (121°C) | | | 100 | | 250°F (121°C) | | | --- |
| | Ambient | 200-C/E | sleeve | 250 | | Ambient | 600-C/E | sleeve | 75 |
| | 160°F (71°C) | | | 100 | | 160°F (71°C) | | | --- |
| | 180°F (82°C) | | | 50 | | 180°F (82°C) | | | --- |
| | 250°F (121°C) | | | 50 | | 250°F (121°C) | | | --- |
| | Ambient | 200-C/E | ferrule | 250 | | Ambient | 600-C/E | ferrule | 75 |
| | 160°F (71°C) | | | 100 | | 160°F (71°C) | | | --- |
| | 180°F (82°C) | | | 100 | | 180°F (82°C) | | | --- |
| | 250°F (121°C) | | | 100 | | 250°F (121°C) | | | --- |

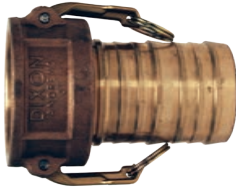
A

Dixon® Cam & Groove Type C

Coupler x Hose Shank



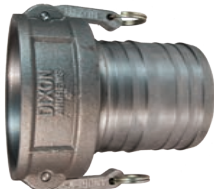
356T6 aluminum



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

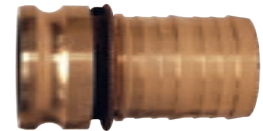
Pressure rating is based on the seal of the mating part. See ratings on page 20.



| 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

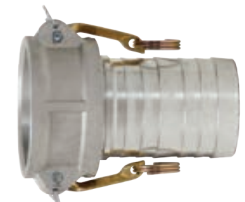
Features

- 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

A

Global Crimp Style Cam & Groove Type E

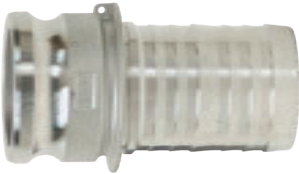
Adapter x Hose Shank



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 | 316 Stainless Steel |
|-----------|---------------------------------|---------------------|
| | Part # | 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 | 316 Stainless Steel |
|-----------|---------------------------------|---------------------|
| | Part # | 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 |



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 | 316 Stainless Steel |
|-----------|--------------------------|---------------------|
| | Part # | 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 interchange other manufacturers' products with Dixon products.



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.

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.



stainless steel

| 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.

Combination Nipple x TTMA Flanges

Feature

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



carbon steel

| 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.



aluminum

Nipples for Floating Flanges

Feature

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



carbon steel

| 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. | | 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 |
| | 9-21/64" | 9-28/64" | .120" | 9.500" | 4.25" | CFS800-8CS |



NOTE: Consult Dixon for additional ferrule 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



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.



A

| 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" | 2-17/64" | 2-20/64" | 250 | 300 | 2.375" | .060" | 3-1/8" | CF200-1CS | CF200-1SS |
| | 2-21/64" | 2-24/64" | 250 | 300 | 2.438" | .060" | 3-1/8" | CF200-2CS | CF200-2SS |
| | 2-25/64" | 2-28/64" | 250 | 300 | 2.500" | .060" | 3-1/8" | CF200-3CS | CF200-3SS |
| | 2-29/64" | 2-32/64" | 250 | 300 | 2.563" | .060" | 3-1/8" | CF200-4CS | CF200-4SS |
| | 2-33/64" | 2-36/64" | 250 | 300 | 2.625" | .060" | 3-1/8" | CF200-5CS | CF200-5SS |
| | 2-37/64" | 2-40/64" | 250 | 300 | 2.688" | .060" | 3-1/8" | CF200-6CS | CF200-6SS |
| | 2-41/64" | 2-44/64" | 250 | 300 | 2.750" | .060" | 3-1/8" | CF200-7CS | CF200-7SS |
| | 2-45/64" | 2-48/64" | 250 | 300 | 2.813" | .060" | 3-1/8" | CF200-8CS | CF200-8SS |
| | 2-49/64" | 2-52/64" | 250 | 300 | 2.875" | .060" | 3-1/8" | CF200-9CS | CF200-9SS |
| | 2-53/64" | 2-56/64" | 250 | 300 | 2.938" | .060" | 3-1/8" | CF200-10CS | CF200-10SS |
| | 2-57/64" | 2-60/64" | 250 | 300 | 3.000" | .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

² Based on using King Crimp nipples



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

² Based on using King Crimp nipples

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

² Based on using King Crimp nipples



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 | | | | | | |
| 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

² Based on using King Crimp nipples

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" |
| 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

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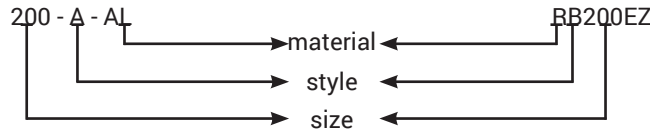
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Ordering System

B



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.

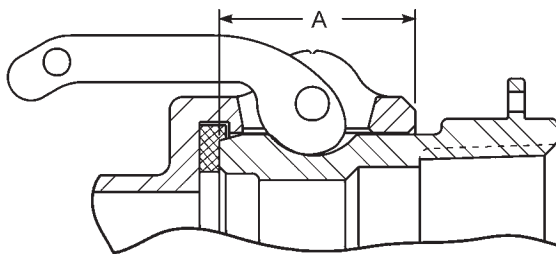
Pressure Ratings

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.

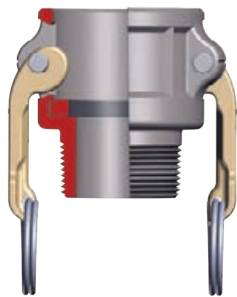
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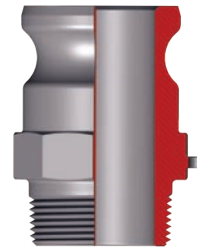
Type A
adapter x female NPT



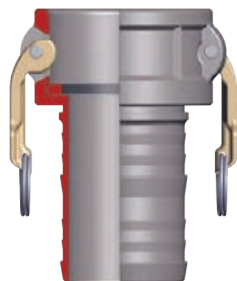
Type E
adapter x hose shank



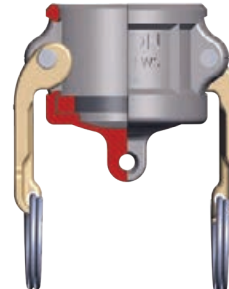
Type B
coupler x male NPT



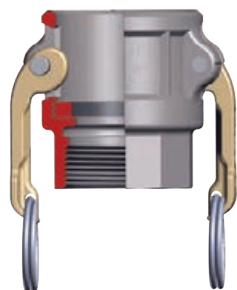
Type F
adapter x male NPT



Type C
coupler x hose shank



Type DC¹
dust cap



Type D
coupler x female NPT



Type DP¹
dust plug



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

⚠ WARNING

Under no circumstances should cam & groove couplings be used for compressed air or steam service!

Dixon® Cam & Groove Styles

B



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

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

New



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



B



Venting EZ Boss-Lock Cam & Groove

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
- Provides 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



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 include 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" | AC200EZWIV | RC200EZWIV |
| 3" | AC300EZWIV | RC300EZWIV |
| 4" | AC400EZWIV | RC400EZWIV |



**Type D Coupler
Coupler x Female NPT**

| Size | Aluminum Part # | 316 Stainless Steel Part # |
|------|-----------------|----------------------------|
| 2" | AD200EZWIV | RD200EZWIV |
| 3" | AD300EZWIV | RD300EZWIV |
| 4" | AD400EZWIV | RD400EZWIV |



**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.

King Crimp® System Cam & Groove

B



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) | Size | Temperature | Fitting | Clamp | Dixon Crimp (PSI) |
|--------|---------------|---------|---------|-------------------|------|---------------|---------|---------|-------------------|
| 1" | Ambient | 100-C/E | sleeve | 250 | 3" | Ambient | 300-C/E | sleeve | 125 |
| | 160°F (71°C) | 100-C/E | sleeve | 242 | | 160°F (71°C) | 300-C/E | sleeve | 100 |
| | 180°F (82°C) | 100-C/E | sleeve | 240 | | 180°F (82°C) | 300-C/E | sleeve | 60 |
| | 250°F (121°C) | 100-C/E | sleeve | 200 | | 250°F (121°C) | 300-C/E | sleeve | 55 |
| | Ambient | 100-C/E | ferrule | 250 | | Ambient | 300-C/E | ferrule | 150 |
| | 160°F (71°C) | 100-C/E | ferrule | 242 | | 160°F (71°C) | 300-C/E | ferrule | 125 |
| | 180°F (82°C) | 100-C/E | ferrule | 240 | | 180°F (82°C) | 300-C/E | ferrule | 100 |
| | 250°F (121°C) | 100-C/E | ferrule | 200 | | 250°F (121°C) | 300-C/E | ferrule | 75 |
| 1-1/2" | Ambient | 150-C/E | sleeve | 250 | 4" | Ambient | 400-C/E | sleeve | 110 |
| | 160°F (71°C) | 150-C/E | sleeve | 200 | | 160°F (71°C) | 400-C/E | sleeve | 75 |
| | 180°F (82°C) | 150-C/E | sleeve | 100 | | 180°F (82°C) | 400-C/E | sleeve | 60 |
| | 250°F (121°C) | 150-C/E | sleeve | 75 | | 250°F (121°C) | 400-C/E | sleeve | 50 |
| | Ambient | 150-C/E | ferrule | 250 | | Ambient | 400-C/E | ferrule | 150 |
| | 160°F (71°C) | 150-C/E | ferrule | 200 | | 160°F (71°C) | 400-C/E | ferrule | 75 |
| | 180°F (82°C) | 150-C/E | ferrule | 150 | | 180°F (82°C) | 400-C/E | ferrule | 75 |
| | 250°F (121°C) | 150-C/E | ferrule | 100 | | 250°F (121°C) | 400-C/E | ferrule | 75 |
| 2" | Ambient | 200-C/E | sleeve | 250 | 6" | Ambient | 600-C/E | sleeve | 75 |
| | 160°F (71°C) | 200-C/E | sleeve | 100 | | 160°F (71°C) | 600-C/E | sleeve | * |
| | 180°F (82°C) | 200-C/E | sleeve | 50 | | 180°F (82°C) | 600-C/E | sleeve | * |
| | 250°F (121°C) | 200-C/E | sleeve | 50 | | 250°F (121°C) | 600-C/E | sleeve | * |
| | Ambient | 200-C/E | ferrule | 250 | | Ambient | 600-C/E | ferrule | 75 |
| | 160°F (71°C) | 200-C/E | ferrule | 100 | | 160°F (71°C) | 600-C/E | ferrule | * |
| | 180°F (82°C) | 200-C/E | ferrule | 100 | | 180°F (82°C) | 600-C/E | ferrule | * |
| | 250°F (121°C) | 200-C/E | ferrule | 100 | | 250°F (121°C) | 600-C/E | ferrule | * |

* Consult Dixon for PSI ratings

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

B



| 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 |

¹ Has drop shank



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



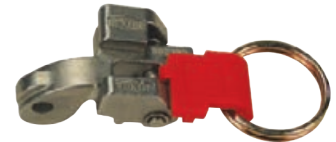
B

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

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



400-A-ALINSERT

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

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 |

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.



356T6 aluminum



brass



316 stainless steel

| 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.



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 |
| (400-C-MI) malleable iron coupler x hose shank with UHMW insert | 400-C-MIINSERT |



356T6 aluminum



aluminum hard coat



brass



unplated ductile iron



316 stainless steel



400-C-MIINSERT


B

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

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



356T6 aluminum



brass



plated malleable iron




316 stainless steel

| 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 |




B

Boss-Lock Type C Couplers with Notched Shank

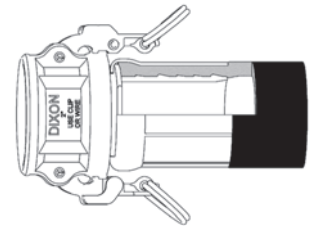
Coupler x Hose Shank

Features

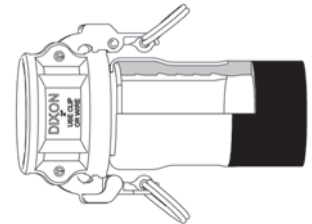
- Coupling can be removed from a damaged hose by cutting away the ferrule, without necessarily damaging the fitting, after inspection of the fitting to determine its suitability for reuse, it can be reinstalled into another hose by using a new ferrule
- System allows you to better manage your inventories, 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. 

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



crimped assembly



swaged assembly

NOTE: Contact Dixon for swage and crimp recommendations.

B



356T6 aluminum



brass



316 stainless steel

New



AC400EZP¹

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 |
| 3" | RC300EZPF | 5 |

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 |



B

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.



Dixon® Type D Couplers

Coupler x Female NPT

B



356T6 aluminum



aluminum hard coat



brass



unplated malleable iron



316 stainless steel

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

B



356T6 aluminum



brass



316 stainless steel



heavy duty 316 stainless steel



AD400EZP¹

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



| 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

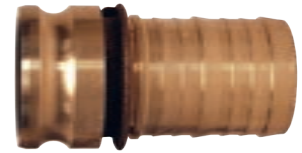
² Ductile iron



356T6 aluminum



aluminum hard coat



brass



unplated malleable iron



plated malleable iron



316 stainless steel

B

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

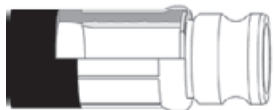
| Size | 316 Stainless Steel Part # | Optional Qty |
|------|----------------------------|--------------|
| 2" | RE200PF | 10 |



B



swaged assembly



crimped assembly



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

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 |
| 4" | 4-40/64" | 4-47/64" | GAS5010NO |

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. 



B

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

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

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



356T6 aluminum

| 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 | --- |



brass



plated malleable iron

| 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 | --- |




316 stainless steel

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




EZ Boss-Lock Type H Dust Caps

Features

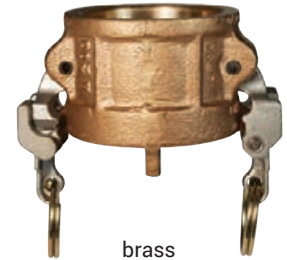
- Nitrile rubber gasket standard, other gaskets available on pages 68 - 71
- Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reason 

| 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

B

Type DP Dust Plugs

B



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**

B

| 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.

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 |



B

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} | --- |



4030-DA-SS



4060-DA-AL



2015-DA-AL



5060-DA-AL

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



| 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)

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.

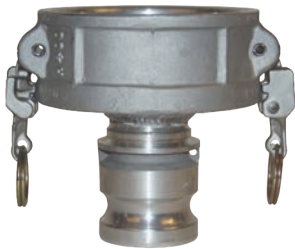


NOTE: In jump size cam & groove couplings, the coupler is the first size in the part number. (i.e., a ADA4030 is a 4" coupler to a 3" adapter)

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

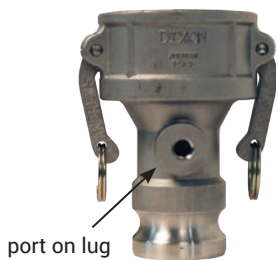
NOTE: In jump size cam & groove couplings, the coupler is the first size in the part number. (i.e., a ADA4030EZ is a 4" coupler to a 3" adapter)

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

| 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

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 |

¹ Parts are produced as a welded fabrication

B



increaser / reducer



same size



reducer / increaser



same size



reducer / increaser



same size

B



Type A Jump Size Adapters

Feature Adapter x Female NPT

- 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

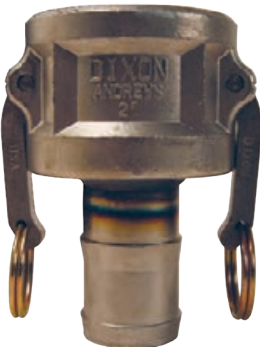
NOTE: In jump size couplings, the cam & groove end is the first size given in the part number. (i.e., a 4030-C-AL is a 4" coupler to a 3" hose shank).

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

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).

**B**

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 | --- |

¹ Part is produced as a welded fabrication

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.



B

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

| 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



EZ Boss-Lock design

Type E 90° Elbows

Adapter x Hose Shank

B



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

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



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.

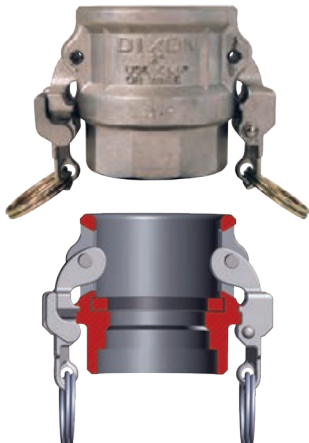


Dixon Coupler Butt Weld to Schedule 40 Pipe/Socket Weld to Nominal Tubing



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

EZ Boss-Lock Coupler Socket Weld to Schedule 40 Pipe



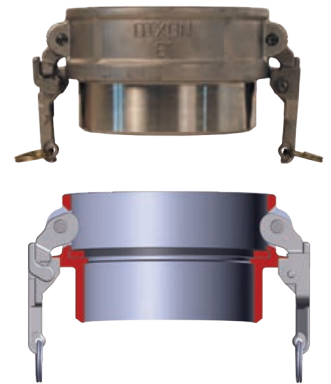
| Size | Bore | 316 Stainless Steel Part # |
|--------|-------|----------------------------|
| 3/4" | 1.065 | RDWSP075EZ |
| 1" | 1.330 | RDWSP100EZ |
| 1-1/2" | 1.915 | RDWSP150EZ |
| 2" | 2.390 | RDWSP200EZ |
| 3" | 3.530 | RDWSP300EZ |
| 4" | 4.530 | RDWSP400EZ |
| 6" | 6.655 | RDWSP600EZ |

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 |



B

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 |



B

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 |



Dixon® Cam & Groove Handles

B

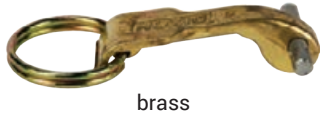
Features

- 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-HSCRPSI |
| 3" | cam arm, ring and pin | 300-HSCRPSI |
| 6" | cam arm, ring and pin | 600-HRP-SI |

Dixon Cam & Groove Locking Handles for Dust Caps

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



200-LH-SI



300-LH-BR

| 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 |



B

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



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



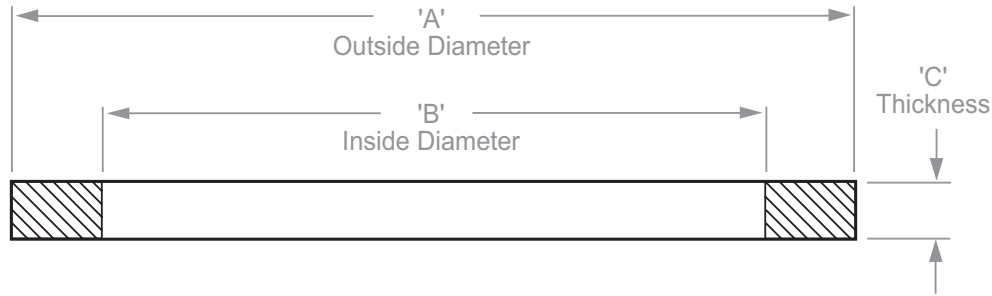
316 investment cast stainless steel



brass

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 gaskets of unknown origin.



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 |

| 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 | --- |

| 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

| 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 | --- |

¹ White nitrile rubber gaskets contain FDA approved materials



nitrile rubber



FKM



FKM-A



extra thick nitrile rubber



ethylene propylene



neoprene



white neoprene



white nitrile rubber



silicone

B

Fuel Gaskets

B



| 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 |

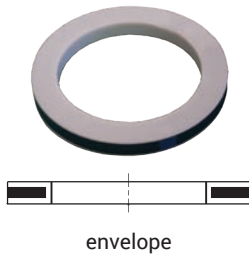
Cam & Groove Envelope Gaskets

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



| 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 |



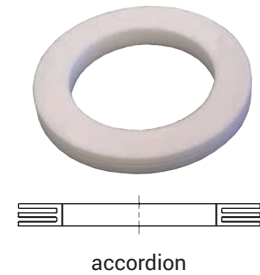
B

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 |



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

B



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 |
| 12-3/4" | J500 |

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

B

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 |
| 36" | fits up to 8" coupler | CVS36 |



coupler sold separately

B

Lanyards with Clip for Boss-Lock Couplings

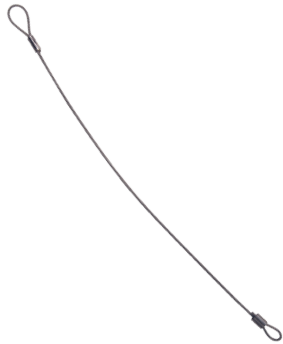


Materials

- 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.

Global Type B Couplers Coupler x Male NPT

B

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

B

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.

² Supplied with stainless steel handles

NOTE: See page 7 for Global Crimp Type C couplers

Global Type D Couplers

Coupler x Female NPT

B

Features

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



316 investment cast stainless steel

| 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.

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 | --- | --- |



A380 permanent mold aluminum

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

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 |



ASTMC38000 forged brass

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

B

Global Type DC Dust Caps

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



A380 permanent mold aluminum

| 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

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



A380 permanent mold aluminum

| 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 other manufacturers' products.

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

B

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, please reference dixonvalve.com.

Global Adapter x ANSI Flange

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



B

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 |
|---------------------------------|---------|
| GSAFETYCLIP | 25 |



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

B

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 |



Type A Adapters

Adapter x Female NPT

B

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 |

¹ 4" coupler has 4 handles

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

B



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"

B



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 |
| 2" | 90PPF200 | 24 |

| | | | |
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| Dust caps | 102 | Hydraulic oil nozzles and receivers | 116 |
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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 |



NOTE: Reference page 80 for dust plugs for couplers.
BSP Threads are available, contact Dixon for quote.

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

C



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.

For flange dimensions, diagrams, and additional information please reference dixonvalve.com. BSP Threads are available contact Dixon for quote.

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 |



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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 popped 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 |

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 |

Keyed Straight Swivel Coupler x Female NPT

New



| 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

| 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®

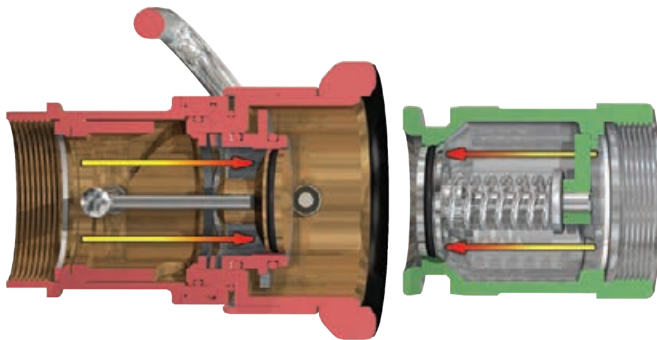
Specifications

- Working pressure at ambient temperature 70°F (21°C):
 - aluminum: **230 PSI**, up to 4"
 - brass/gunmetal¹: **230 PSI**, up to 4"
 - stainless steel: **360 PSI**

¹ Produced to U.S. government bronze specification G

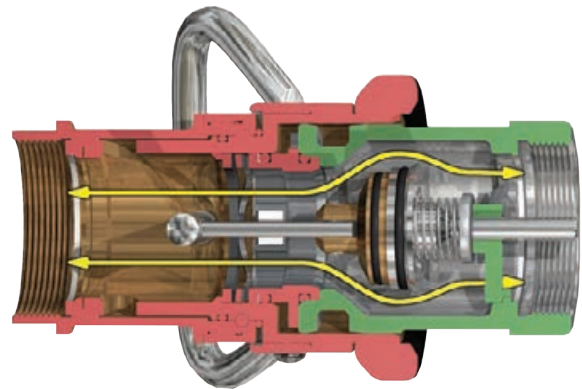
How it Works

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

C

Coupler x Female NPT



| 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.

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 |

¹ Aluminum

NOTE: Refer to body size when selecting a plug.



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 / gunmetal¹ 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

NOTE: Reference page 102 for rubber dust caps. Refer to body size when selecting a cap.

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 |



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 |

NOTE: Refer to body size when selecting a cap.

C



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



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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.



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

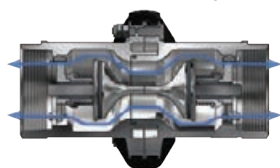
| Size | DN Size | 316 Stainless Steel Part # |
|------|---------|----------------------------|
| 2" | 50 | MSBC200SSFL |
| 3" | 80 | MSBC300SSFL |
| 4" | 100 | MSBC400SSFL |
| 5" | 125 | MSBC500SSFL |
| 6" | 150 | MSBC600SSFL |
| 8" | 200 | MSBC800SSFL |



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

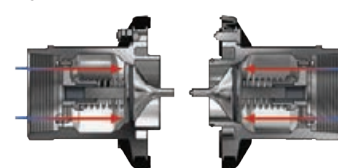
How it Works

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 a valve that has a O-ring seal.



AFTER emergency disconnect

When the safety break-away couplings separate, it allows the valves to close. The two valves close rapidly, minimizing exposure to personnel and the environment.

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.

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)**



SBC400ALTMA



SBC400ALTMASV

| Size | Aluminum Part # |
|------|-----------------|
| 4" | SBC400ALTMA |
| | SBC400ALTMASV |

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

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

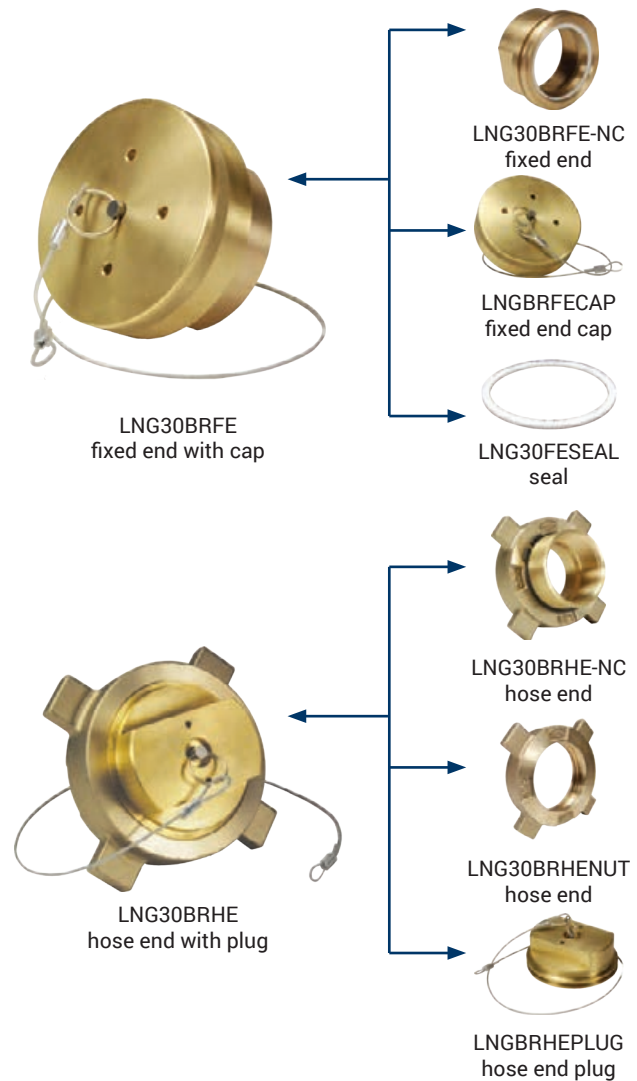
- Body: brass
- Seal: PTFE

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



C

| 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 |
| -- | Plug for LNG30BRHE and LNG20BRHE | LNGBRHEPLUG |

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 PSI** at ambient temperature 70°F (21°C)

Approvals

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

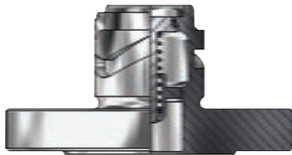


Adapter x Female NPT



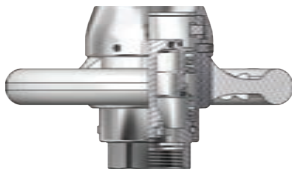
| Female NPT | Body Size | Part # |
|------------|-----------|-----------|
| 1" | 59.5 mm | DDEA100SS |
| 1-1/2" | 89 mm | DDEA150SS |
| 2" | 106 mm | DDEA200SS |

Adapter x 150# Flange



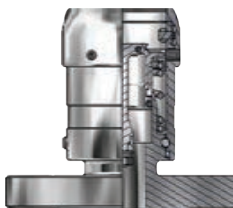
| 150# Flange | Body Size | Part # |
|-------------|-----------|-------------|
| 1" | 59.5 mm | DDEA100SSFL |
| 1-1/2" | 89 mm | DDEA150SSFL |
| 2" | 106 mm | DDEA200SSFL |

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 |
| 2" | 106 mm | DDEC200SSFL |

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 | --- |
| BH-W | --- | --- | FFF4C | --- |

C

FloMAX Diesel Fueling System

Application

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

C

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 |



C

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 |



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

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



VT

VTT

| 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

Features

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



FNS - standard



FNSID - double

| 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



receivers sold separately

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

NOTE: No longer available once stock is depleted.

C

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

C

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

| 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 |



ERS-C



ERJ-C

Coolant Fluid Nozzles

Features

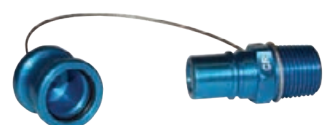
- Bright teal
- Standard roll-pin locking mechanism
- Ergonomically engineered pullbacks and caps

| 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 |



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

C

Engine Oil Nozzles

Feature

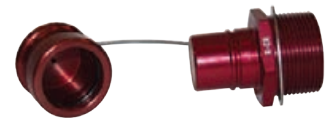
- Bright red

| 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 |



FloMAX R-Series Connectors

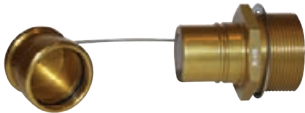
Hydraulic Oil Nozzles

- 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 |
| | copper receiver with cap | HFR-C6 |
| | blue/gray receiver with cap | HFR-C7 |



C

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 Butt-weld 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

| 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 |



TETF4AL



TETFG4AL

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 |



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

Dixon® Vapor Recovery Couplers

C

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 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

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



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 |

Dixon® Vapor Recovery Couplers

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 |



VR4030CS-AL45



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

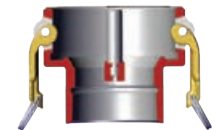
- Not intended for liquid service, for vapor recovery only



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



Materials

- Body: 356T6 aluminium
- Arms: stainless steel EZ Boss-Lock
- Gasket: nitrile rubber

| Coupler Size | Flange Size | 356T6 Aluminum Part # |
|--------------|-------------|-----------------------|
| 4" | 4" | ADLTVR400EZ |



TTMA Flange Gaskets

C



| Size | O.D. | I.D. | Thick. | Material | Part # |
|------|----------|---------|--------|-----------------------------------|-----------|
| 2" | 4-1/2" | 2-5/8" | 1/8" | Baylast™ | 200GTTFBL |
| | 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 |
| 3" | 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.



C

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 |



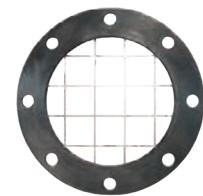
5200-SFIV-RK1

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

Features

- 4" TTMA flange can be bolted to sight glass; API adapter or other dry disconnect
- Supplied with PTFE nitrile rubber envelope gasket



110° elbow

| 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

Feature

- 4" TTMA flange can be bolted to sight glass; API adapter or other dry disconnect



110° elbow

| 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 |

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 |



C

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 | Male Tank 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 |



Railroad Unloading Assemblies

C

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 |



C

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 | 500GTCABI |
| | 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 |



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

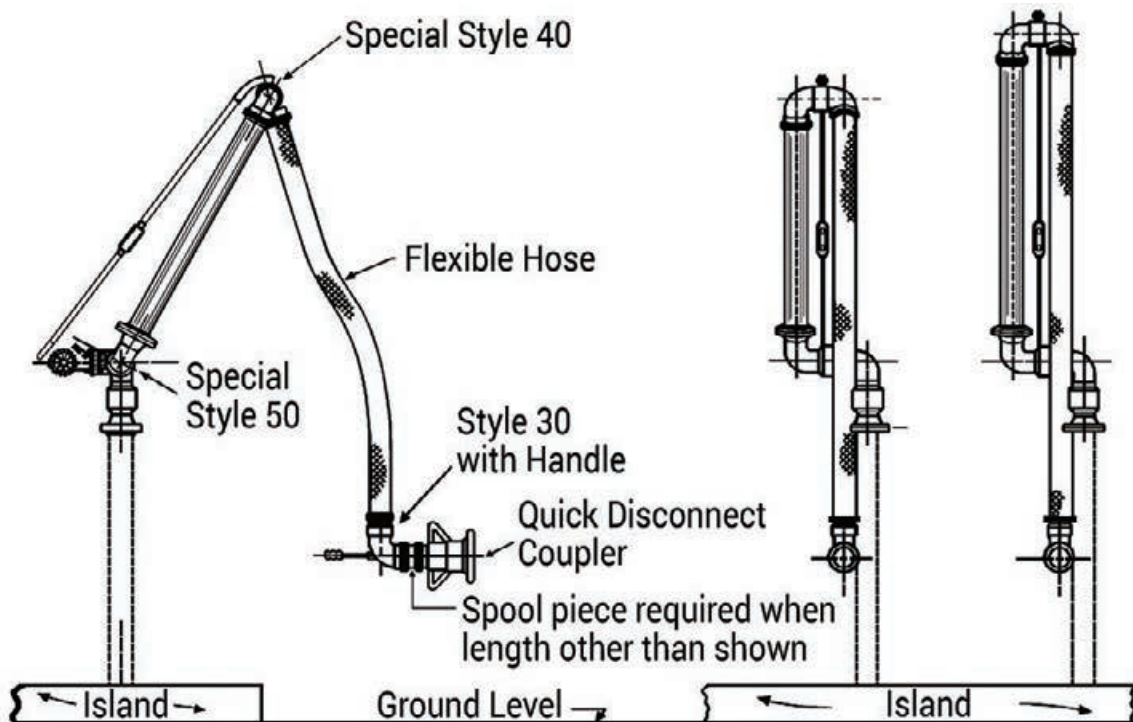
Options Available

- 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

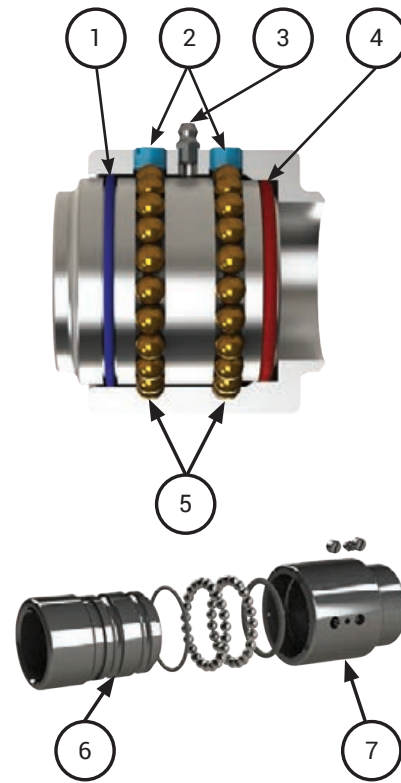
- Available in carbon steel, 316L stainless steel, aluminum, brass, and malleable iron

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



C

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

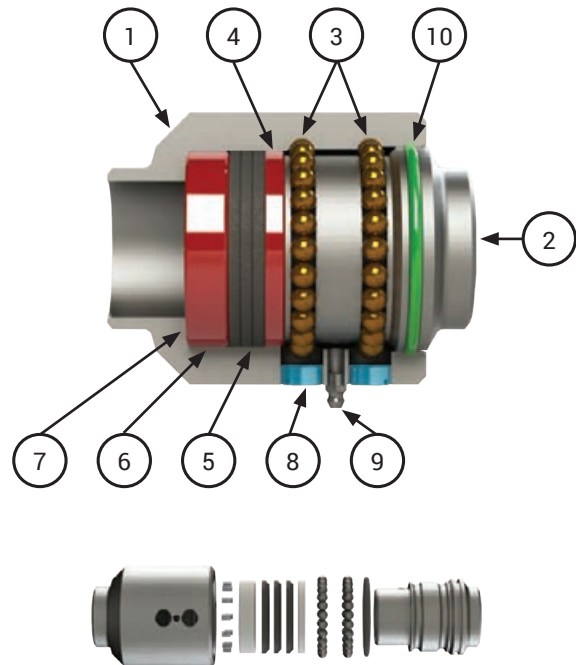
- Carbon steel, 316L stainless steel, and aluminum

Specification

- Available working pressure ratings up to **1,000 PSI**

Bill of Materials

- | | |
|---------------------------|------------------------|
| 1. Body | 6. Spring retainer |
| 2. Sleeve | 7. Spring |
| 3. Ball bearings | 8. Ball retainer screw |
| 4. Seal retainer | 9. Grease fitting |
| 5. V-ring (pressure) seal | 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 configurator available dixonvalve.com

Swivel Joint Styles Planes of Rotation

Double Plane Style 70



female NPT x female NPT



150# ASA flange x 150# ASA flange

C

Triple Plane Style 80

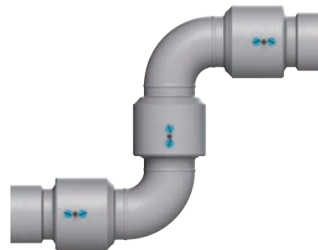


female NPT x female NPT

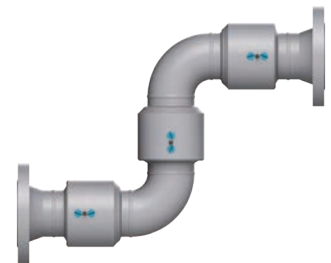


150# ASA flange x 150# ASA flange

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 configurator available dixonvalve.com

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: $\frac{2}{[A]}$ $\frac{20}{[B]}$ $\frac{F}{[C]}$ X $\frac{F}{[C]}$ $\frac{CS}{[D]}$ $\frac{0}{[E]}$ $\frac{0}{[F]}$ $\frac{1}{[G]}$ $\frac{0}{[H]}$ $\frac{0}{[I]}$

| A Size | B Style | C End Connections | W Weld End | F Female NPT | FG 150# ASA Flange | TF Tank Truck Flange | PF 300# ASA Flange (not available in aluminum) |
|-----------|-------------------------------|-------------------------------|--|--|--|-------------------------|---|
| | | | CS (V-ring) Carbon Steel OC (O-ring) Carbon Steel | SS (V-ring) Stainless Steel OS (O-ring) Stainless Steel | AL Aluminum | BR Brass | MI Malleable Iron |
| Code | E Pressure Seal | F Dust Seal | G Retainers | H Ball Bearings | I 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 may affect operation.



Swivel configurator available dixonvalve.com

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

C



style 30, long radius



style 50

| 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 |

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 | 4RK0BU |
| FKM-A seal kit | 4RKOVIVI |



TTMA Flange Extensions

C



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



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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.

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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" | 2SFNPSCS | 2SFNPSSS |
| 3" | 3SFNPSCS | 3SFNPSSS |
| 4" | 4SFNPSCS | 4SFNPSSS |

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-TESS |
| 3" | 3SFSK-BAYLAST | 3SFSK-VI | 3SFSK-TESS |
| 4" | 4SFSK-BAYLAST | 4SFSK-VI | 4SFSK-TESS |

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 |



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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 |



Top Loading Valves

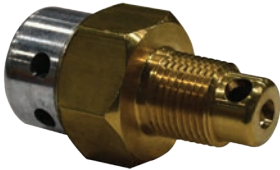
C



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 |



C

Normal wear and tear items (including seals) not covered¹

New



5500-Series



Replaceable nose seal: Replace without removal from the loading arm



5500RK24

Reelcraft® Static Discharge Reel

C



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 |

Overfill Protection Rack Monitors

Application

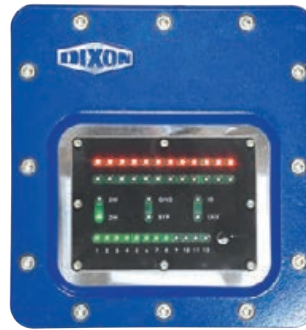
- Installed on the gantry to control the loading process of petroleum fuels or other hazardous liquid into cargo tanks

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

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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



FT590OG



FT590TG



FT530

| 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 |

API-Compatible Systems

C



FT7500



FT7501



FT7502



FT600



FT620



FT600P
with 13-pin plastic



FT620P
with J560 aluminum

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

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

Specification

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

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

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



SBC400ALTTMA



SBC400ALTTMASV

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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 overflow 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



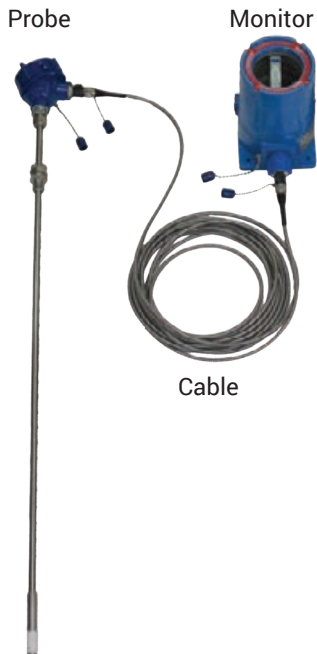
A100
Capacitance
Probe

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 |

¹ Material to be sensed must be specified at time of order.

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 overflow 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 relay 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 Outrage Gauges

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 Outrage Gauge Part # | 316 Stainless Steel Outrage Gauge with J Bar Part # |
|--------|--|--|
| 2' | A800OG2 | A800OGJ2 |
| 3' | A800OG3 | A800OGJ3 |
| 4' | A800OG4 | A800OGJ4 |
| 5' | A800OG5 | A800OGJ5 |



outrage gauge with J bar

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



outrage gauge

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 Cable¹

| Length | 3 Pin |
|--------|------------|
| 25' | A200CB3P25 |



¹ For use with (-M) mini connectors only

C



A100DA



A100TTA



A200SA



A210CR-3



A210PZH-24



A210-12TC

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 |

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Boss Coupling System

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

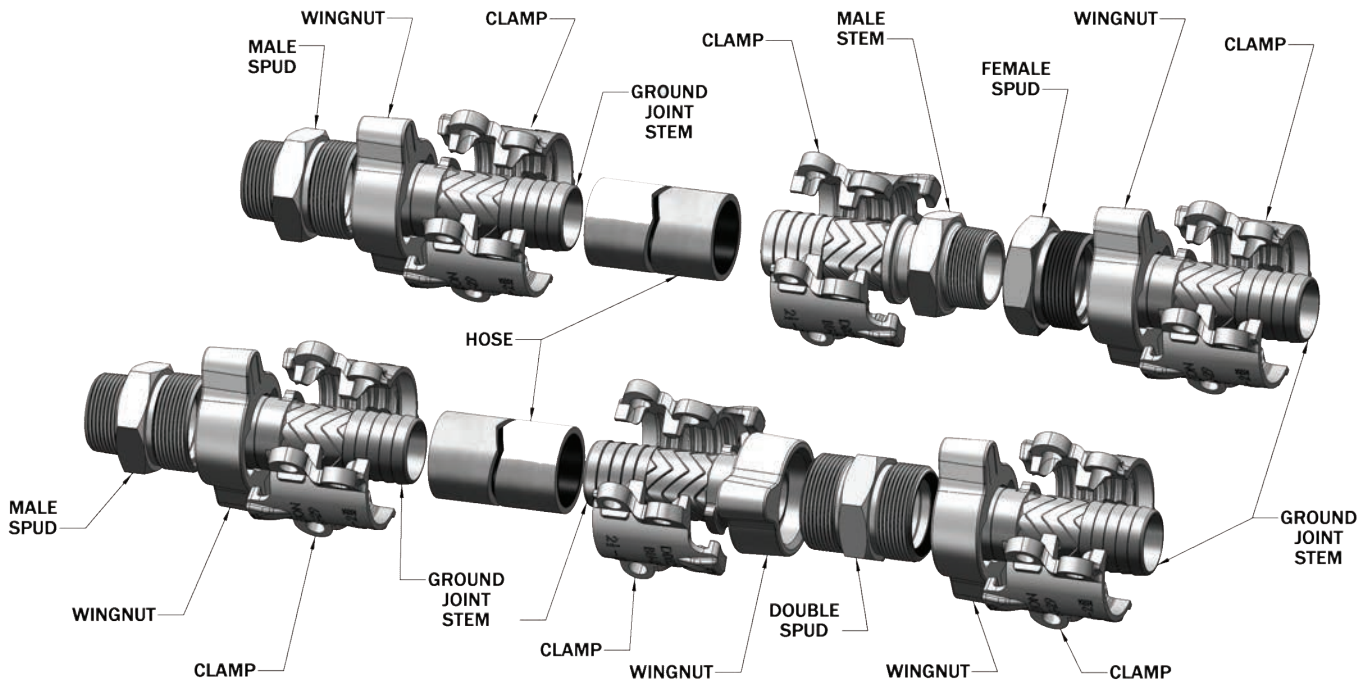
Boss couplings supply a convenient threaded fitting to connect two lengths of hose, or a single length to a male or female threaded (NPT) outlet.

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

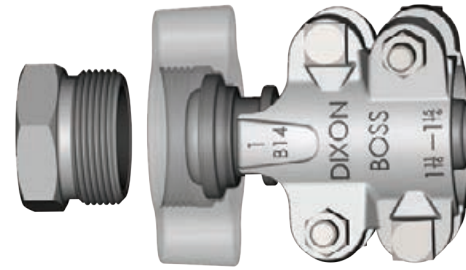


Worn-out hose couplings can be dangerous. They should be checked regularly and replaced when necessary. Each coupling user should review applications and add safety devices where indicated.



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



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



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 | --- | --- |

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.

The King Crimp sleeve and ferrule are not intended for steam service.



Boss Wing Nuts



Plated iron / steel



316 stainless steel



Brass

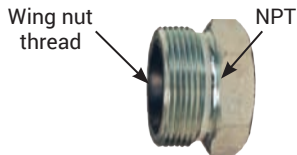
| Size | Plated Steel and / or Iron Part # | Optional Qty | 316 Stainless Steel Part # | Brass Part # |
|--------|-----------------------------------|--------------|----------------------------|--------------|
| 1/4" | SLS4 | 100 | --- | --- |
| 3/8" | CB | 100 | --- | --- |
| 1/2" | B2 | 100 | --- | --- |
| 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 |

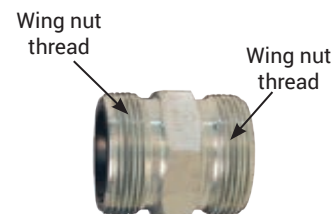
¹ 1/4", 3/8", and 6" available only with copper seat spuds, all other sizes have polymer seats



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. | | Plated Iron / Steel Part # | Plated Iron / Steel Part # ² | Stainless Steel Part # |
|--------|-----------|----------|----------------------------|---|------------------------|
| | From | To | | | |
| 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 | --- |



GF61P1



GB21-P1

¹ 2" and 3" have a machined shank

² Without spuds

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

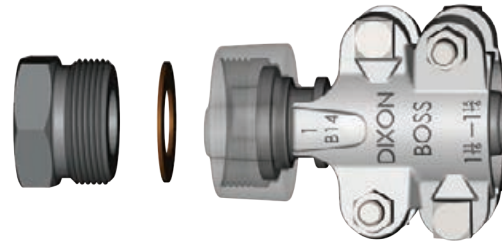
- Supplied with 12" chain and washer
- For best results, use with washer style spuds and washers on page 158
- Not intended for pressure applications 



| 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)

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

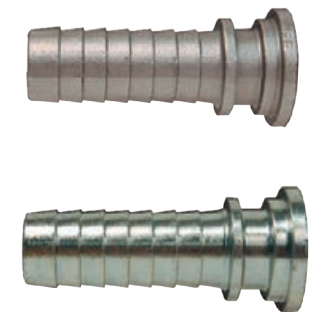
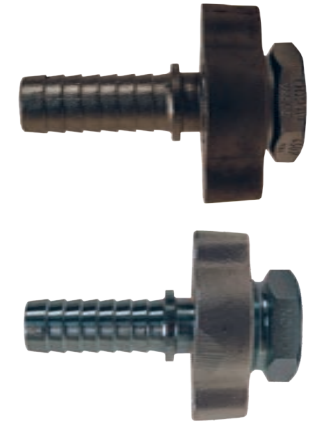
**Boss Washer Seal Stems**

| 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 | --- |

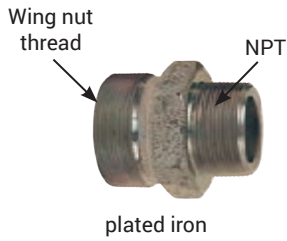
¹ Not to be used with #250, #275, or #306 Boss clamps

**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 | --- |
| 3" | B38 | 5 | --- |

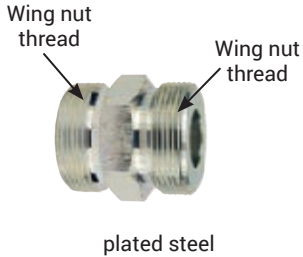


Boss Washer Seal Male Spuds



| 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



| 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)

| 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" | --- |



plated steel



plated iron



316 stainless



brass

D

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. | | Zinc Plated Iron Part # | Pkg Qty | Stainless Steel ⁴ Part # | Torque ft. lbs. ² | Brass Part # | Torque ft. lbs. |
|-----------|-----------|----------|-------------------------|---------|-------------------------------------|------------------------------|--------------|-----------------|
| | from | to | | | | | | |
| 1/4" | 36/64" | 42/64" | BD ³ | 100 | --- | 6 | --- | --- |
| 3/8" | 44/64" | 56/64" | CD ³ | 100 | --- | 6 | --- | --- |
| | 52/64" | 60/64" | DD ³ | 100 | --- | 6 | --- | --- |
| 1/2" | 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. | | Zinc Plated Iron Part # | Pkg Qty | Stainless Steel ⁴ Part # | Torque ft. lbs. ² | Brass Part # | Torque ft. lbs. |
|-----------|-----------|----------|-------------------------|---------|-------------------------------------|------------------------------|--------------------|-----------------|
| | from | to | | | | | | |
| 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" | 2-24/64" | 2-36/64" | B24 | 10 | RB24 | 40 | --- | --- |
| | 2-36/64" | 2-48/64" | B25 | 10 | --- | 40 | --- | --- |
| | 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 | --- | --- |
| 2-1/2" | 3-6/64" | 3-28/64" | B30 | 5 | --- | 60 | --- | --- |
| | 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 torque reading.

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. | | Zinc Plated Iron Part # | Optional Qty | Torque ft. lbs. |
|-----------|-----------|----------|-------------------------|--------------|-----------------|
| | from | to | | | |
| 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 |
| | 3-32/64" | 3-48/64" | 375 | 5 | 60 |
| 3" | 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. | | Zinc Plated Iron Part # | Optional Qty | Torque ft. lbs. |
|-----------|-----------|----------|-------------------------|--------------|-----------------|
| | from | to | | | |
| 3" | 4-16/64" | 4-52/64" | BS39 | 2 | 150 |
| | 4-40/64" | 5" | B45 | 3 | 150 |
| 4" | 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. | | Zinc Plated Iron Part # | Optional Qty | Torque ft. lbs. |
|-----------|-----------|----------|-------------------------|--------------|-----------------|
| | from | to | | | |
| 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 |



D

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

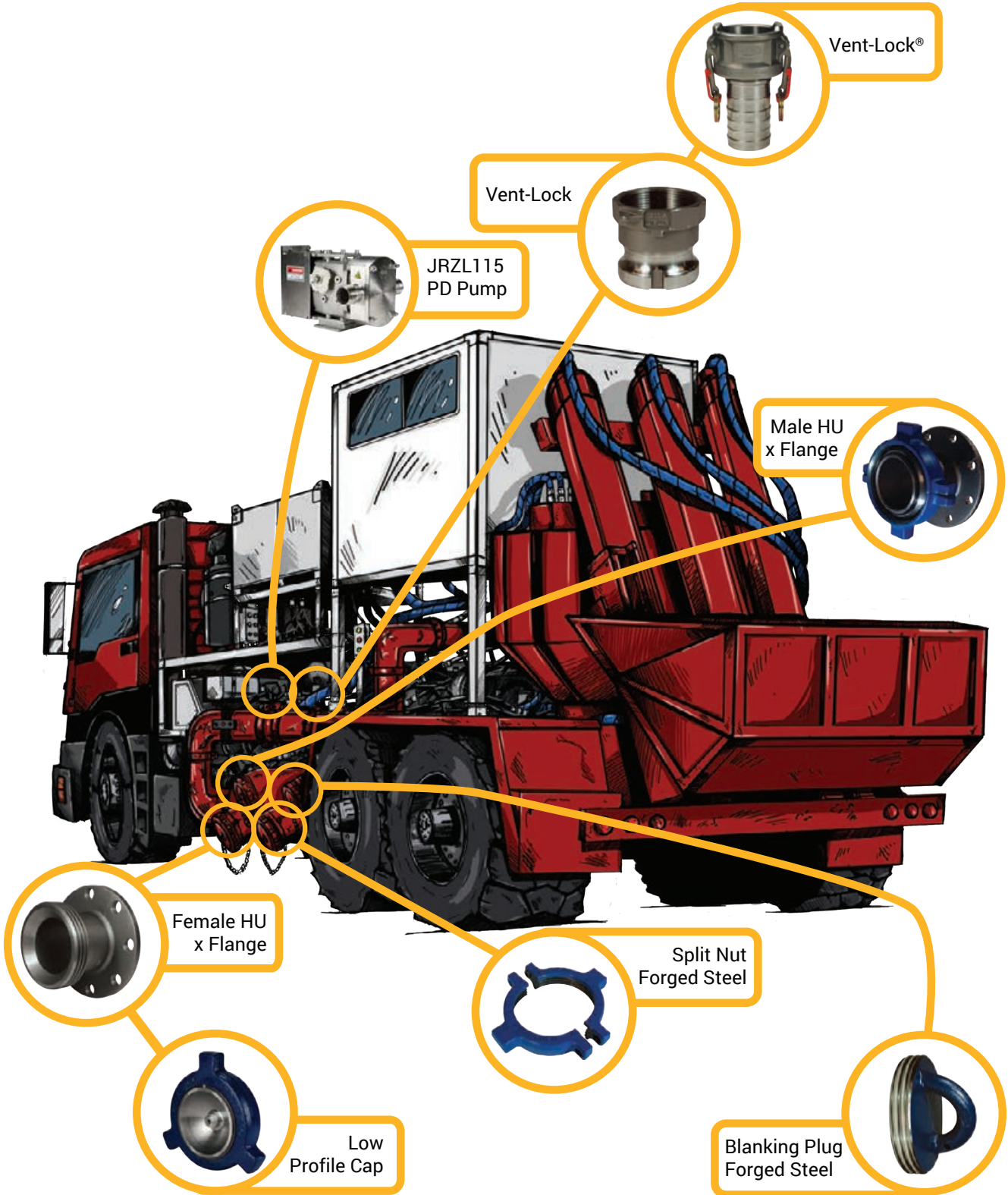
| Style | Hose I.D. and NPT Sizes | Coarse Nut Thread | Plated Steel w/ Copper seat Part # |
|------------|-------------------------|-----------------------|------------------------------------|
| Compact | 1/2" | 1-31/64" O.D. x 8 TPI | GJ75 |
| | 3/4" | | GJ75 |
| Heavy duty | 3/4" | 1-47/64" O.D. 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 |



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 | |



¹ Meets both figure 100 and 206 dimensional specifications

Dixon® Boss LPS Frac Fittings

Male with Nut



3" and 4"



6" and 8"

| 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

Suction Service Fittings



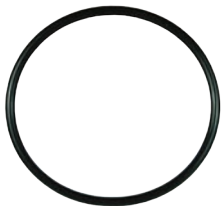
HUSM500SW-1



HUSF500SW

| 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 |
| | 9-21/64" | 9-28/64" | .120" | 9.500" | 4.25" | CFS800-8CS |

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"

D

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**

| Size | Figure | Forged Steel AISI Standards Part # |
|------|--|------------------------------------|
| 4" | split nut, figure 200/206, blue (includes bolts) | HU200400RN3 |



figure 200 / 206

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 NSCW**P (non-shock cold working pressure)

| Size | Configuration | NSCW P (PSI) | Forged Steel Part # |
|--------|---------------|--------------|-------------------------|
| 2" | threaded | 1,000 | HU100200 |
| | butt weld | 1,000 | HU100200BW ¹ |
| 2-1/2" | threaded | 1,000 | HU100250 |
| 3" | threaded | 1,000 | HU100300 |
| 4" | threaded | 1,000 | HU100400 |
| | butt weld | 1,000 | HU100400BW ¹ |
| 6" | threaded | 1,000 | HU100600 |
| 8" | threaded | 1,000 | HU100800 |

¹ Butt weld 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 NSCW**P (non-shock cold working pressure)



| Size | Configuration | NSCW P (PSI) | Forged Steel Part # |
|--------|---------------|--------------|-------------------------|
| 1" | threaded | 2,000 | HU200100 |
| 1-1/2" | threaded | 2,000 | HU200150 |
| 2" | threaded | 2,000 | HU200200 |
| | butt weld | 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 Butt weld 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 NSCW**P (non-shock cold working pressure)



| Size | Configuration | NSCW P (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 |
| 6" | threaded | 2,000 | HU206600 |
| 8" | threaded | 2,000 | HU206800 |

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 |
| | | cap only | HUC207400 |
| | 207 | 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

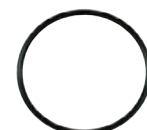
| Size | Figure | Description | Forged Steel Part # |
|------|--------|--|---------------------|
| 5" | 50 | hammer union, working pressure 500 PSI | HUSP500 |



HUSP500

O-ring

| Size | Nitrile Rubber Part # |
|------|-----------------------|
| 4" | O429BU |



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

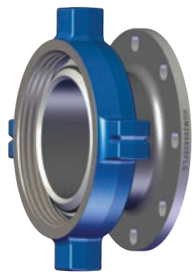
Flange Adapters - Straight



HUF206400FLG

| 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



HUM206400FLG-ST

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 |

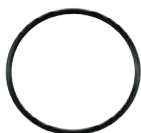
Flange Adapters - 45° Elbow



HUM206400FLG-45

| 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 |



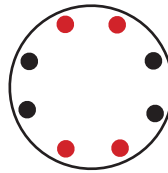
10-1/2"



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 |
| | | male hammer union x female hammer union 90° elbow | HUMF20640090 |



HUMF20640080

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 |
| 10" | 9.75" | 0.120" | 6.00" | S975X600X120CS |
| | 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 |
| 12" | 11.75" | 0.120" | 7.50" | S1175X750X120CS |
| | 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 |
| 14" | 13.75" | 0.120" | 7.50" | S1375X750X120CS |
| | 14.00" | 0.120" | 8.00" | S1400X800X120CS |
| | 14.00" | 0.120" | 9.50" | S1400X950X120CS |

NOTE: Consult Dixon® for additional sleeve sizes

D



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 |



Dixon® Boss LPS Butterfly Valves

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)**

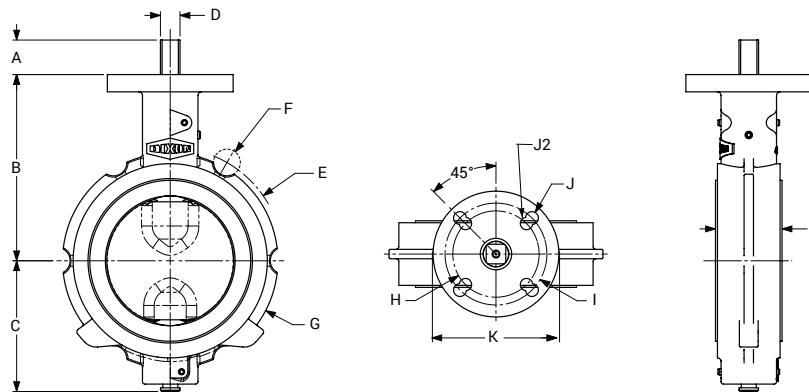


Actuated Butterfly Valve

| 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 |




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 |

¹ Has drop shank

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

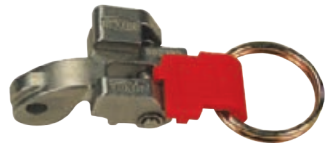


| Size | 316 Stainless Steel Part # |
|-------------|----------------------------|
| 1" | L100-HSCR-P-SI |
| 1-1/2" - 2" | L200-HSCR-P-SI |

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 |

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⚠ 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 hose should remain permanently connected to the tool.

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.

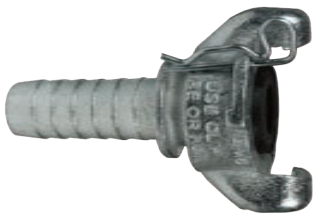
Features

- 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. 

E

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 |



E

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)

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 |

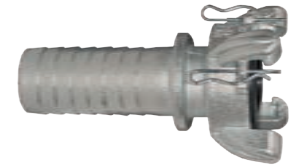
NOTE: Air King is for air and water service only. Warning: Never use any Air King coupling for steam service! None of Dixon's catalog information is to be interpreted to mean that this type of coupling is suitable for use on steam hose. 

E

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 |



E

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® 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" | 5/16" | 1-1/8" | AM1WF | RAM1WF |
| 3/4" | 1/2" | 1-1/4" | AM6WF | RAM6WF |
| 1" | 1-1/8" | 1-3/8" | AM11WF-1 | --- |
| 1" | 1-3/16" | 1-1/2" | AM11WF | --- |
| 1" | 2-1/16" | 2-1/4" | AM21WF | --- |
| 2" | 2-1/4" | 2-3/4" | 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 type of coupling is suitable for use on steam hose.



E

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 |



E

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. | | Plated Iron Part # | Torque ft. lbs. | Optional Qty |
|-----------|-----------|----------|--------------------|-----------------|--------------|
| | from | to | | | |
| 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

Features

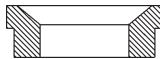
- 2-lug couplings use the same size washer, part number's AWR4, AWS6
- Neoprene is oil resistant



AWR4



AWS6



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 |

E

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




urethane

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 |
| | 1" | 1" | 1-23/32" | SL100CR |

E



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

E

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

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.

E



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



303/316 stainless

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 | --- | --- |
| | 3/8" | N4S3-B | N4S3 | --- | --- |
| 1/2" | 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 |

E

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. | | Plated Steel Part # | Brass Part # |
|-----------|-----------|-----------|----------|---------------------|--------------|
| | | From: | To: | | |
| 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. | | Plated Steel Part # | Brass Part # |
|-----------|-----------|-----------|----------|---------------------|--------------|
| | | From: | To: | | |
| 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. | | Plated Steel Part # | Brass Part # |
|-----------|-----------|-----------|----------|---------------------|--------------|
| | | From: | To: | | |
| 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)**

E



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 | --- |

Male Thread Couplers



steel



303 stainless

| 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

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 |
| | 3/4"-14 NPTF | 4PF6-FS |



Dual-Lock P-Series Pneumatic Couplings

Couplers with Ferrule



E

| 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)**

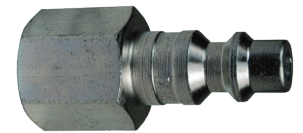
It is important to be safe when installing quick disconnect couplings into a pneumatic circuit. Never install a pneumatic coupling directly into an air tool. Use a piece of hose that is at least 18' long, between the tool and the coupling, to prevent damage to the coupling. To protect the operator, safety 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" | 3/8" - 19 BSPP | --- | D2BF3 | --- |
| | 1/4" - 18 NPTF | --- | D3F2 | --- |
| | 3/8" - 18 NPTF | D3F3-B | D3F3 | D3F3-S |
| | 3/8" - 19 BSPP | --- | D3BF3 | --- |
| 1/2" | 1/2" - 14 NPTF | --- | D3F4 | --- |
| | 3/8" - 18 NPTF | --- | D4F3 | --- |
| | 1/2" - 14 NPTF | D4F4-B | D4F4 | D4F4-S |
| | 1/2" - 14 BSPP | --- | D4BF4 | --- |
| 3/4" | 3/4" - 14 NPTF | D4F6-B | D4F6 | --- |
| | 1/2" - 14 NPTF | --- | D6F4 | --- |
| | 3/4" - 14 NPTF | --- | D6F6 | --- |
| 1" | 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" | 3/4" - 14 NPTF | D4M6-B | D4M6 | --- |
| | 1/2" - 14 NPTF | --- | D6M4 | --- |
| | 3/4" - 14 NPTF | --- | D6M6 | --- |
| | 1" - 11-1/2 NPTF | --- | D6M8 | --- |



Brass



Steel



303 stainless

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



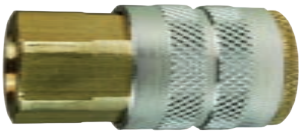
Brass



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" | 1/2" - 14 NPTF | 3DF4-B | --- |
| | 3/8" - 18 NPTF | 4DF3-B | --- |
| | 1/2" - 14 NPTF | 4DF4-B | 4DF4-S |
| | 1/2" - 14 BSPP | 4DBF4-B | --- |
| 3/4" | 3/4" - 14 NPTF | 4DF6-B | --- |
| | 1/2" - 14 NPTF | 6DF4-B | --- |
| | 3/4" - 14 NPTF | 6DF6-B | --- |
| | 1" - 11-1/2 NPTF | 6DF8-B | --- |

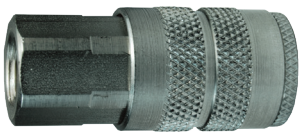
Manual Female Threaded Couplers



Brass



Steel



303 stainless

| 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" | 1/2" - 14 NPTF | --- | 3FF4 | --- |
| | 3/8" - 18 NPTF | --- | 4FF3 | --- |
| | 1/2" - 14 NPTF | --- | 4FF4 | 4FF4-S |
| | 1/2" - 14 BSPP | --- | 4FBF4 | --- |
| 3/4" | 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



Manual Male Threaded Couplers

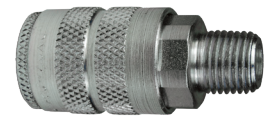
| Body Size | Threads | Brass Part # | Steel Part # | 303 Stainless Steel Part # |
|-----------|----------------|--------------|--------------|----------------------------|
| 1/4" | 1/8" - 27 NPTF | 2FM1-B | --- | 2FM1-S |
| | 1/4" - 18 NPTF | 2FM2-B | 2FM2 | 2FM2-S |
| | 1/4" - 19 BSPT | 2FBM2-B | --- | --- |
| | 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 |



Brass



Steel

E

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



Steel

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 |

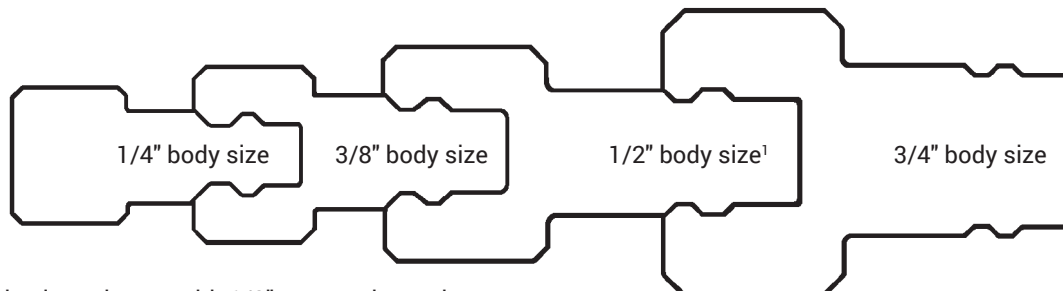


Reusable Barb Plugs

| 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



¹ 1/2" may also interchange with 1/2" automotive series

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. 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.



Female Threaded Plugs



Brass



Steel

| 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 |

Male Threaded Plugs



Brass



Steel

| 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



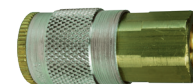
| Body Size | Hose I.D. | Steel Part # |
|-----------|-----------|--------------|
| 1/4" | 1/4" | J2S2 |
| | 3/8" | J2S3 |
| 3/8" | 1/4" | J3S2 |
| | 3/8" | J3S3 |
| | 1/2" | J3S4 |
| 1/2" | 3/8" | J4S3 |
| | 1/2" | J4S4 |
| | 3/4" | J4S6 |

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 |

NOTE: 1/2" body J-Series plugs are used with 1/2" body DF-Series manual couplers on page 198



Brass

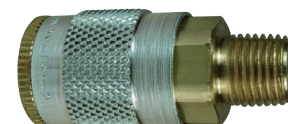


Steel

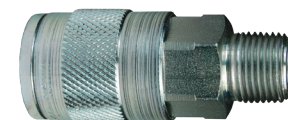
Male Threaded Couplers

| 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 |

NOTE: 1/2" body J-Series plugs are used with 1/2" body DF-Series manual couplers on page 199



Brass



Steel

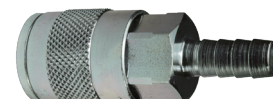
Standard Hose Barb Couplers

| 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 |

NOTE: 1/2" body J-Series plugs are used with 1/2" body DF-Series manual couplers on page 200



Brass

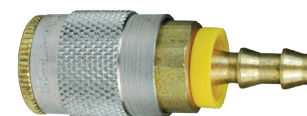


Steel

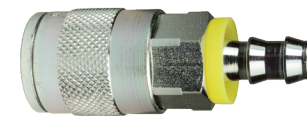
Push-Loc Hose Barb Couplers

| 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 |

NOTE: 1/2" body J-Series plugs are used with 1/2" body DF-Series manual couplers on page 201



Brass



Steel

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 |
| 1/2" | 1/2" | J4B4 |




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. 

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 |

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

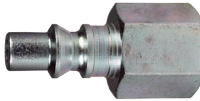
| Body Size | Threads | Steel / Brass Part # |
|-----------|---------------|----------------------|
| 1/4" | 1/4" - 18 NPT | 2MF2-PL |
| | 3/8" - 18 NPT | 2MF3-PL |
| 3/8" | 3/8" - 18 NPT | 3MF3-PL |

Manual Female Threaded Couplers

| Body Size | Threads | Brass Part # |
|-----------|---------------|--------------|
| 1/4" | 1/4" - 18 NPT | 2MF2-B |
| | 3/8" - 18 NPT | 2MF3-B |



Brass



Steel



Brass



Steel



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 |



E

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 Megaflo, 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)

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 |

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 |

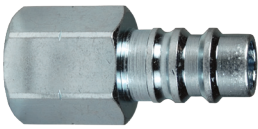
Male Threaded Couplers

| 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 |
| | 1/2" - 14 BSPT | 3CJBM4-B |

E



Brass



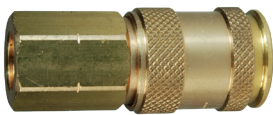
Steel



Brass



Steel



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.



E

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 |



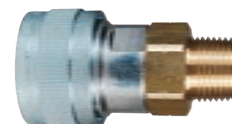
Female Threaded Couplers

| 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



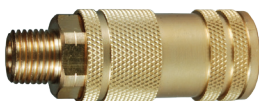
| Body Size | Threads | Steel Part # |
|-----------|---------------|--------------|
| 1/4" | 1/4" - 18 NPT | L2M2 |

Female Threaded Coupler



| Body Size | Threads | Brass Part # |
|-----------|---------------|--------------|
| 1/4" | 1/4" - 18 NPT | 2LF2-B |


Male Threaded Coupler



| Body Size | Threads | Brass Part # |
|-----------|---------------|--------------|
| 1/4" | 1/4" - 18 NPT | 2LM2-B |

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 |
| | 3/8" | 2UB3-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 |

E

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 |



E

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 |



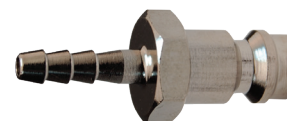
Male Threaded Couplers

| 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 |
| | 9mm | 1BRS2.83-B-7 |



A-Series Pneumatic Couplings

Feature

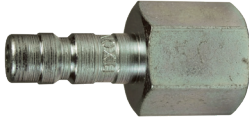
- Interchange data: Dixon Quick Coupling Proprietary Astronautics

Specification

- Nitrile rubber seals are standard temperature range -40°F to 250°F (-40°C to 121°C)



Brass



Steel



Brass



Steel



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 |

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 |

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 |

E

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

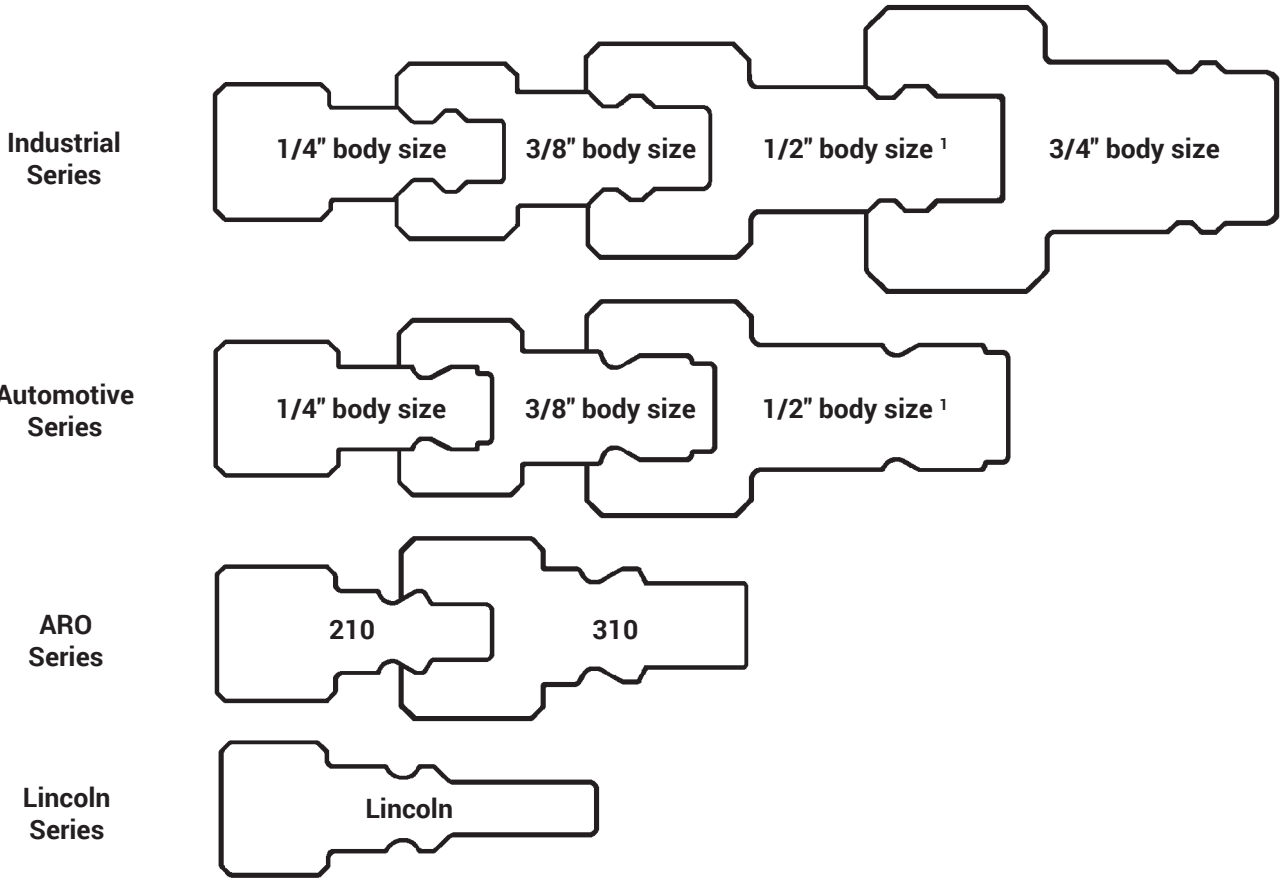
Reusable Barb Coupler

| Body Size | Hose I.D. x O.D. | Brass Part # |
|-----------|------------------|--------------|
| 1/4" | 1/4" x 1/2" | 2AE2-B |



E

Actual Size Profile Chart



¹ 1/2" industrial series may also interchange with 1/2" automotive series

Ball Swivel Plug

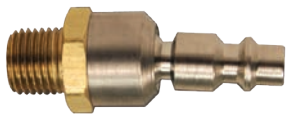
Materials

- Threaded portion is brass
- Plug and nut portion is nickel-plated hardened steel

Specification

- Pressure rating: 250 PSI

Industrial Ball Swivel Plug



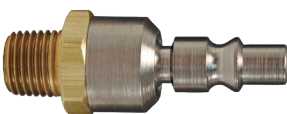
| Body Size | Male NPT | Part # |
|-----------|----------|-----------|
| 1/4" | 1/4" | DCP21SWIV |

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 |



E

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)**

E



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

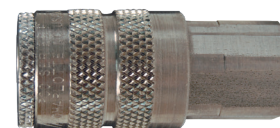
Specifications

- Pressure rating: **300 PSI**
- Temperature range: **-40°F to 250°F (-40°C to 121°C)**

E

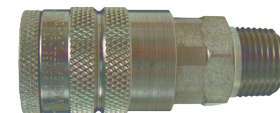
Semi-Automatic Female Threaded Couplers

| 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 |



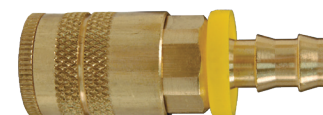
Standard Hose Barb Couplers

| 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 | --- |
| 3/8" | 1/4" | 70 CFM | --- | DC2642L |
| | 3/8" | 70 CFM | --- | DC2644L |



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



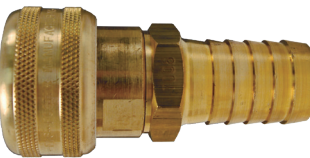
| Body Size | Female NPT | Flow Rating at 100 PSI | Brass Part # |
|-----------|------------|------------------------|--------------|
| 3/4" | 1/2" | 200 CFM | DC7024 |
| | 3/4" | 200 CFM | DC7026 |
| | 1" | 200 CFM | DC7028 |

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 |

E

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)**

E

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 |



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

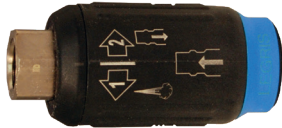


1. vents plug side



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 |



E

Air Chief Automotive Interchange Couplings

Features

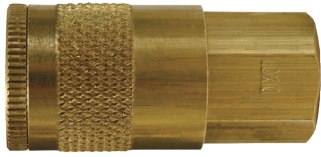
- Couplers are semi-automatic
- Interchange with popular makes of automotive quick-connect fittings such as Amflo, Dill, Milton, and Tru-Flate, some designs do not interchange with others, if you plan to interchange these couplings, make sure you have plug ends with the proper configuration

Specifications

- Pressure rating: 300 PSI
- Temperature range: -40°F to 250°F (-40°C to 121°C)

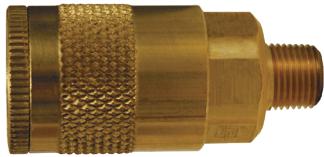
Semi-Automatic

Female Threaded Couplers



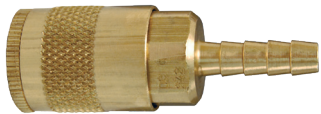
| Body Size | Female NPT | Flow Rating at 100 PSI | Brass Part # | Steel Part # |
|-----------|------------|------------------------|--------------|--------------|
| 1/4" | 1/8" | 37 CFM | DC221 | --- |
| | 1/4" | 37 CFM | DC2 | --- |
| | 3/8" | 37 CFM | DC223 | --- |
| 3/8" | 1/4" | 70 CFM | --- | DC8 |
| | 3/8" | 70 CFM | --- | DC6 |
| | 1/2" | 70 CFM | --- | DC624 |

Male Threaded Couplers



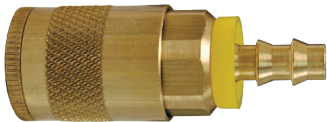
| Body Size | Male NPT | Flow Rating at 100 PSI | Brass Part # | Steel Part # |
|-----------|----------|------------------------|--------------|--------------|
| 1/4" | 1/8" | 37 CFM | DC101 | --- |
| | 1/4" | 37 CFM | DC1 | --- |
| | 3/8" | 37 CFM | DC103 | --- |
| 3/8" | 1/4" | 70 CFM | --- | DC7 |
| | 3/8" | 70 CFM | --- | DC5 |
| | 1/2" | 70 CFM | --- | DC504 |

Standard Hose Barb Couplers



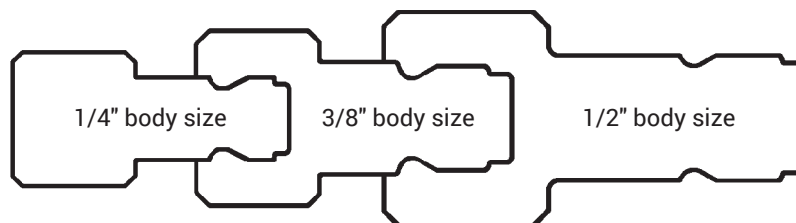
| Body Size | Hose I.D. | Flow Rating at 100 PSI | Brass Part # | Steel Part # |
|-----------|-----------|------------------------|--------------|--------------|
| 1/4" | 1/4" | 37 CFM | DC242 | --- |
| | 3/8" | 37 CFM | DC244 | --- |
| 3/8" | 3/8" | 70 CFM | --- | DC644 |
| | 1/2" | 70 CFM | --- | DC645 |

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



E

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

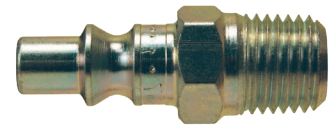
| Body Size | Female NPT | Flow Rating at 100 PSI | Steel Part # |
|-----------|------------|------------------------|--------------|
| 1/4" | 1/4" | 37 CFM | DCP38 |
| | 3/8" | 37 CFM | DCP3823 |
| 3/8" | 3/8" | 70 CFM | DCP36 |



E

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 |



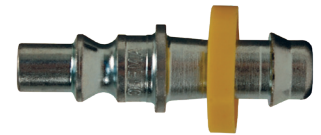
Standard Hose Barb

| Body Size | Hose I.D. | Flow Rating at 100 PSI | Steel Part # |
|-----------|-----------|------------------------|--------------|
| 1/4" | 1/4" | 37 CFM | DCP3742 |



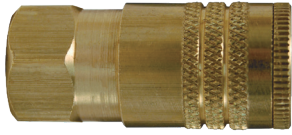
Push-On Hose Barbs

| 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

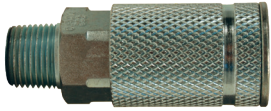
Semi-Auto Female Threaded Couplers



| 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 |

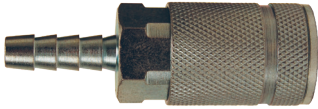
E

Semi-Auto Male Threaded Couplers



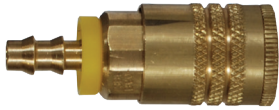
| Body Size | Hose I.D. | Flow Rating at 100 PSI | Brass Part # | Steel Part # |
|-----------|-----------|------------------------|--------------|--------------|
| 1/4" | 1/4" | 37 CFM | DC37 | --- |
| | 3/8" | 37 CFM | DC3703 | --- |
| 3/8" | 3/8" | 70 CFM | --- | DC35 |

Semi-Auto Standard Hose Barb Couplers



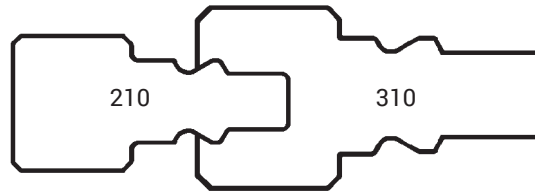
| Body Size | Hose I.D. | Flow Rating at 100 PSI | Steel Part # |
|-----------|-----------|------------------------|--------------|
| 1/4" | 1/4" | 37 CFM | DC3842 |
| | 3/8" | 37 CFM | DC3844 |

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 |



E

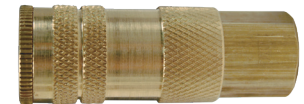
Male Threaded Plug

| Body Size | Male NPT | Flow Rating at 100 PSI | Steel Part # |
|-----------|----------|------------------------|--------------|
| 1/4" | 1/4" | 37 CFM | DCP27 |



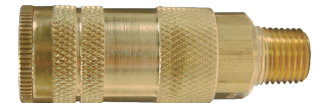
Female Threaded Coupler

| Body Size | Female NPT | Flow Rating at 100 PSI | Brass Part # |
|-----------|------------|------------------------|--------------|
| 1/4" | 1/4" | 37 CFM | DC28 |

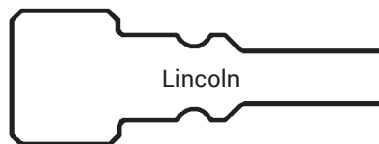


Male Threaded Coupler

| 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



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" | 3/4" | 3511 | 50 |
| | 1/2" | 3513 | 50 |
| | 3/4" | 3514 | 50 |
| 1" | 1" | 3515 | 25 |
| | 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" | 1-30/64" | 1-34/64" | 3518WF |
| | 1" | 1-34/64" | 1-38/64" | 3518WF2 |

E



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)**

| 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 |



E

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 |

E

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 |



E

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



E

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 |
| | 1/4" | 31096014DOT | 10 |
| 3/8" | 3/8" | 31096018DOT | 10 |
| | 1/2" | 31096022DOT | 10 |
| | 1/4" | 31096214DOT | 10 |
| 1/2" | 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

E

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 |
| | 1/8" | 31035611DOT | 10 |
| 1/4" | 1/4" | 31035614DOT | 10 |
| | 3/8" | 31035618DOT | 10 |
| | 1/4" | 31036014DOT | 10 |
| 3/8" | 3/8" | 31036018DOT | 10 |
| | 1/2" | 31036022DOT | 10 |
| | 1/4" | 31036214DOT | 10 |
| 1/2" | 3/8" | 31036218DOT | 10 |
| | 1/2" | 31036222DOT | 10 |



E

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.

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

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 |



E

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 |



¹ Rounded elbow parts not as pictured

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 |



E

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 |
| 3/4" | 60NAB12 | 50 |



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 |

E

Air Brake Fittings for Rubber Hose

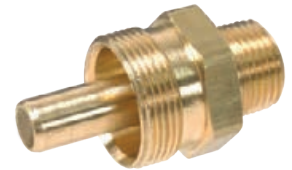
Hose Nut with Attached Springs

| 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 |



E

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)

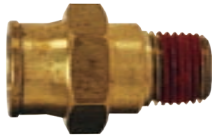
Male Connectors

| 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

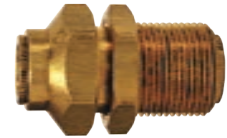
| Tube O.D. | Forged Brass Part # | Optional Qty |
|-----------|---------------------|--------------|
| 1/8" | 624 | 20 |
| 5/32" | 625 | 10 |
| 1/4" | 628 | 10 |
| 3/8" | 6212 | 10 |
| 1/2" | 6216 | 5 |



E

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 |
| | 10-32 ¹ | 69S8X10 | 10 |
| 1/4" | 1/8" | 69S8X4 | 10 |
| | 1/4" | 69S8X8 | 10 |
| | 3/8" | 69S8X12 | 10 |
| | 1/8" | 69S12X4 | 10 |
| 3/8" | 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 |
| 1/2" | 6416 | 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 |



E

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.

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

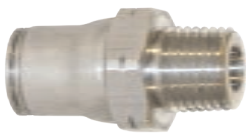
Specifications

- 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 |



E

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 |



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 |
| 1/2" | 36066200 | 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 |



E

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 |
| | 1/4" | 31755613 | 10 |
| 3/8" | 1/4" | 31756013 | 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 |



E

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 |



NOTE: Body is orientable for positioning purposes

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 |



E

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 |



NOTE: Body is orientable for positioning purposes

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 |
| 3/8" | 31406000 | 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

E



Part #

TFK

Kit contains the following parts:

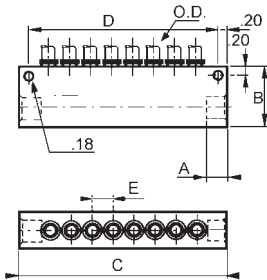
| Part # | Qty | Description |
|----------|-----|----------------------------|
| 31755311 | 10 | tube to male NPT connector |
| 31750411 | 10 | tube to male NPT connector |
| 31755611 | 10 | tube to male NPT connector |
| 31755614 | 10 | tube to male NPT connector |
| 31756014 | 5 | tube to male NPT 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

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 |



E

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

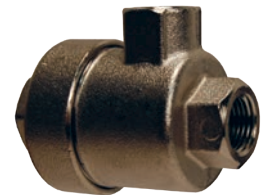
Materials

- 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" | 70655611 | 10 |
| 1/4" | 1/8" | 70655614 | 10 |
| | 1/4" | 70656014 | 10 |
| 3/8" | 1/4" | 70656018 | 10 |
| | 3/8" | 70656018 | 10 |



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)**



E

| 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 |
| 1/2" | 77752222 |

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 |



E

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 PSI** 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 |
| 1/2" | 48952222 |



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

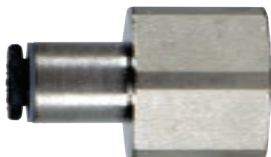
Male BSPT Connectors



| 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 |

NOTE: Body is orientable for positioning purposes

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

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 |
| 10 mm | 10 mm | 31061000 | 10 |



Legris Metric Push-In Fittings

Male Elbows



E

| 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 |

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⚠ 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 hose should remain permanently connected to the tool.

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⚠ WARNING

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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

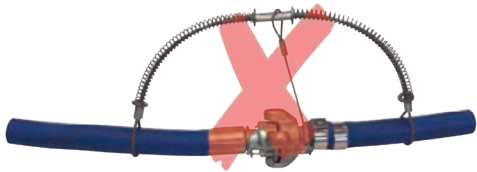
Materials

- 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 | WA2SS |
| 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 cable to a bolt on tool | 200 |
| 1-1/2" - 3" | 1/4" | WA2B | WA2 with bronze/copper ferrule for special environmental conditions | 200 |

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

F

Materials

- Wire rope: galvanized carbon steel
- Ferrules: aluminum

| 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 |



KSW40

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 |

ASME Air Receiver Manifolds

Features

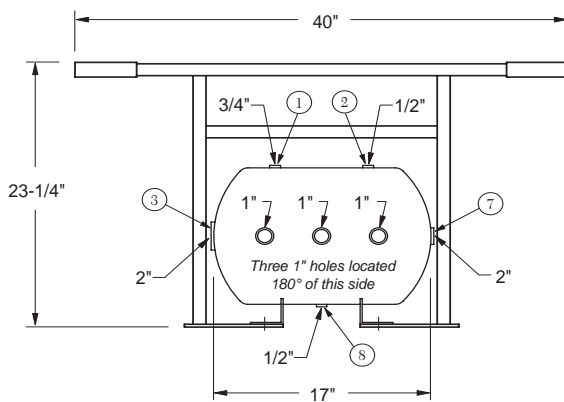
- 7-gallon capacity
- Painted safety orange
- All openings are female NPT thread
- Special configurations available

Specifications

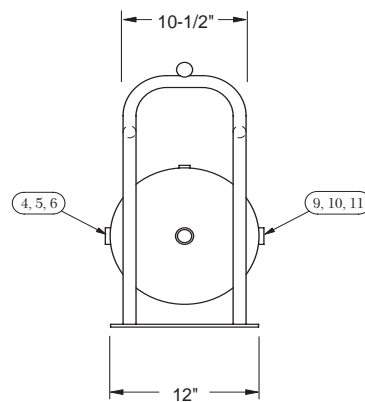
- Working pressure: **200 PSI**
- Built to ASME Code, National Board registered
- Conforms to OSHA standards 1910.169 and 1926.306



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 |
| Location 2 | 1 | GL345 0-300 PSI gauge |
| Location 3 | 1 | 3730804C 1/2" male x 1/4" female hex bushing |
| Locations 4, 5, 6, 9, 10, 11 | 1 | SV200 safety pop-off valve |
| Location 7 | 1 | GM28 2" male spud |
| Location 8 | 1 | B27SC wing nut cap |
| | 6 | HB1075G 1" male x 3/4" female bushings |
| | 6 | 3701212C 3/4" brass hex nipples |
| | 6 | BBLV75 ball valves |
| | 6 | SCVS6 safety shut-off valves |
| | 6 | AM7 Air King universal couplings |
| | 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 |
| | 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 |
| 1217AR-4FR | 1 | 7-gallon ASME compressed air receiver with 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

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 # |
|------|------|--------|--------------------|
| 3/4" | 3/4" | 6' | WH75X6AK35 |



Bar Manifolds

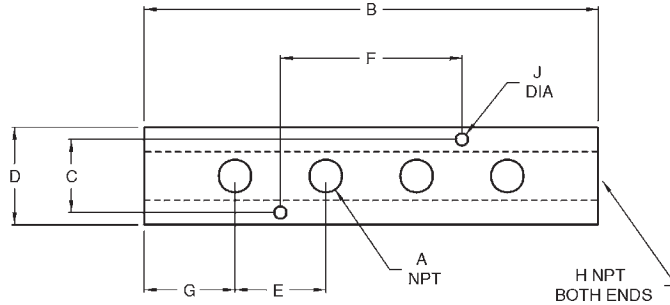
Features

- 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 PSI** 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



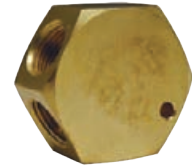
| NPT Inlet (1) | NPT Outlets (3) | Aluminum Part # |
|---------------|-----------------|-----------------|
| 1/4" | 1/4" | D3404 |
| 3/8" | 1/4" | D3406 |
| 1/2" | 1/4" | D3408 |

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)

| Size | Part # | Optional Qty |
|----------|----------|--------------|
| 1 pint | DATL016W | 12 |
| 1 gallon | DATL128W | 4 |



Pint

Gallon

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

| Size | Part # | Optional Qty |
|----------|---------|--------------|
| 1 pint | DATL016 | 12 |
| 1 gallon | DATL128 | 4 |



Pint

Gallon

In-Line Lubricators

Features

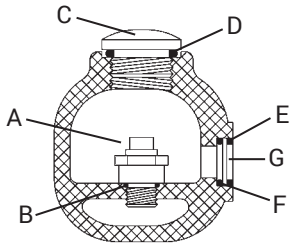
- Protects portable or stationary air tools by efficiently oiling the tool mechanisms; each time an air tool is operated a fine mist of oil is injected into it along with the air from the compressor
- Installation is recommended within 25' of the tool to be lubricated, refer to the arrow for proper air 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



F

| 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 |



F

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 |



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

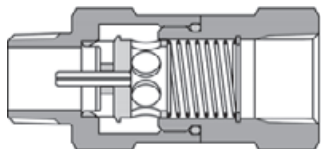
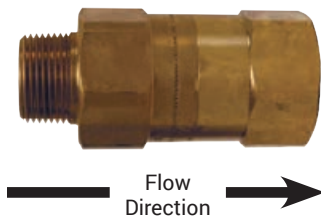
Specifications

- 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)**

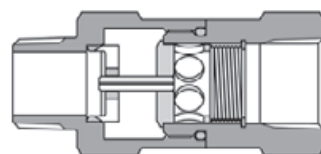
How It Works

- 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.

F



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 |
| 1/2" | 52-65 | SCVS3 | 1-1/2" | 570-630 | SCVH10 |
| | 70-78 | SCVM4 | | 300-360 | SCVL12 |
| 3/4" | 80-96 | SCVS4 | | 470-530 | SCVM12 |
| | 72-88 | SCVL6 | 2" | 564-602 | SCVX12 |
| 1" | 92-108 | SCVM6 | | 640-720 | SCVS12 |
| | 112-128 | SCVR6 | | 750-830 | SCVH12 |
| 1" | 132-148 | SCVJ6 | 3" | 510-590 | SCVL16 |
| | 160-180 | SCVS6 | | 725-825 | SCVM16 |
| | 180-200 | SCVH6 | | 900-1050 | SCVS16 |
| 1" | 165-195 | SCVL8 | 3" | 1100-1200 | SCVH16 |
| | 220-260 | SCVM8 | | 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 infinite 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 position is locked in place by the lock nut
- Exhaust air noise is eliminated by a surrounding sleeve of sintered bronze

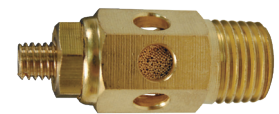
Specifications

- Maximum operating pressure: **300 PSI**
- Temperature range: **35°F to 300°F (2°C to 149°C)**

| 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 |



Aluminum



Brass

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 |
| 1" | 1-5/16" | ASP-8BV |



Super Quiet Flow Economy Pneumatic Silencers / Mufflers

Features

- Design incorporates a 50 mesh, self-cleaning, stainless steel 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 |

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 |

F

Needle Valves

Features

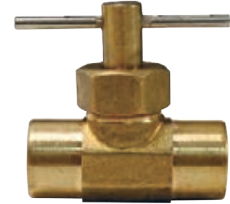
- Metal-to-metal seats allow positive sealing and flow adjustment
- Designed for air and water applications

Specification

- Maximum working pressure: **150 PSI** at ambient temperature **70°F (21°C)**

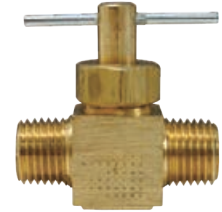
Female x Female

| 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 |



F

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



TFV1S

TFV2



TFV1L

TFV2HB

| 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 |

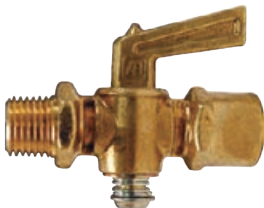
Brass Lever External Drains

Application

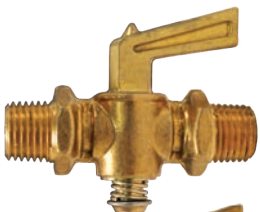
- For air service only

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 |
| 1/4" | D04 |

F

Safety Pop-Off Valves

Applications

- For use on compressors and in compressed air service

Feature

- Designed to protect unfired 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 |



F

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

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"



F

| 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

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**



brass



steel

| 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



F

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

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

Part #

D201RT

F

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.



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



F

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 |

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 |

Assembly Kits

Feature

- Kit includes: fittings, nut, insert, ferrule, and spring guard



RK110 assembly kit

| 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 |
| | 50' | 3/8" | 650-6S |

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 |



F

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.



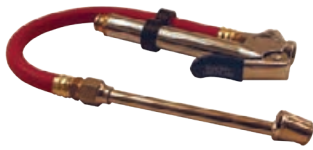
Materials

- Blow gun: brass and plated steel



| Female NPT | Part # |
|------------|--------|
| 1/4" | CBG25 |

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 #**

D104

Optional Qty

10

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 |



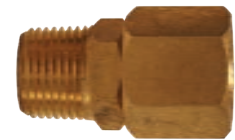
Feature

- 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 |



F

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

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 |

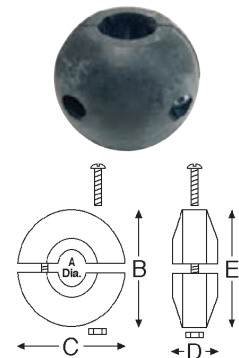


See below for bumper stops, consult Dixon® for uses other than stated services

F

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

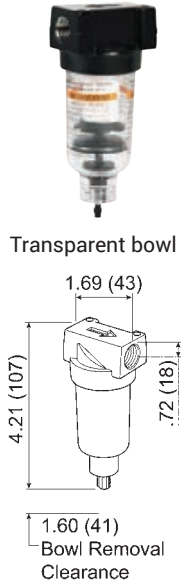
Without hose

| 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



Features

- Excellent water removal efficiency
- 5 micron element
- .5 oz. bowl

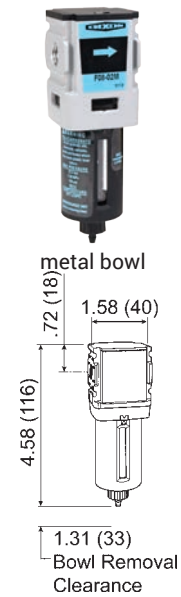
Specifications

- 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



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. SCFM ratings at 100 PSIG inlet pressure.

FRLs are designed for air service only, unless otherwise indicated.



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

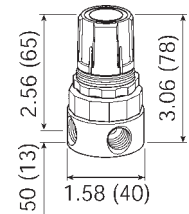
- 2-125 PSI adjusting range
- Suitable for water and compressed air service
- Brass construction - wetted parts
- Non-relieving spring-loaded diaphragm
- Panel mount nut included
- Two 1/8" NPT gauge ports standard
- Models supplied without gauge use a GC620 gauge

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

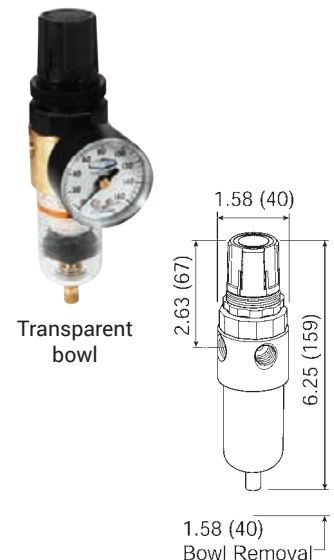
Specifications

- 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.

NOTE: FRLs are designed for air service only, unless otherwise indicated.



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

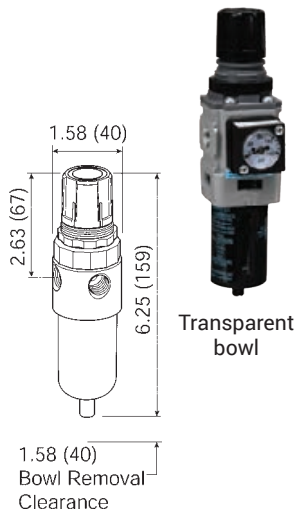
- .6 oz. bowl
- Adjustable oil feed
- Full view sight dome
- Fill under pressure design

Specifications

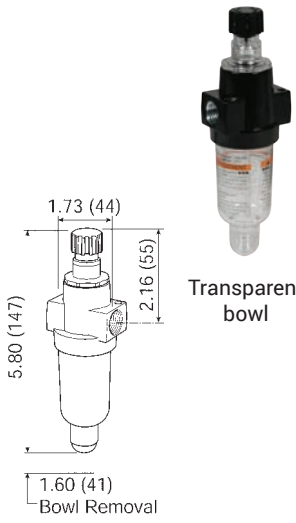
- Maximum operating conditions:
 - transparent bowl: 150 PSIG (10.3 bar) and 14°F to 125°F (-10°C to 52°C)
 - metal bowl: 250 PSIG (17.2 bar) and 14°F to 150°F (-10°C to 65.5°C)

| Size | Flow (SCFM) | Transparent Bowl Part # | Metal Bowl Part # |
|------|-------------|-------------------------|-------------------|
| 1/4" | 52 | L08-02A | L08-02AMB |

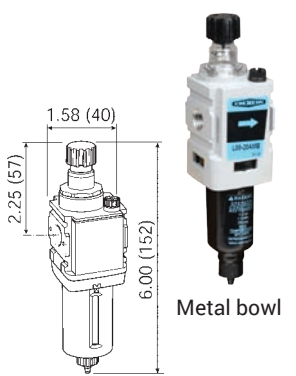
NOTE: See pages 312 - 316 for accessories.
See page 267 for air tool lubricant.
SCFM ratings at 150 PSIG inlet pressure.
FRLs are designed for air service only, unless otherwise indicated.



Transparent bowl



Transparent bowl



Metal bowl

F

Wilkerson FRLs C03-Series Miniature Combination Units

Features

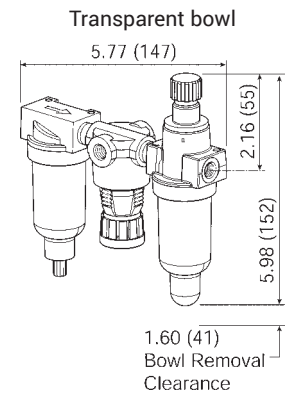
- Included components: (2) adapters
- Filter series F03:
 - 5 micron element
 - .5 oz. bowl
- Regulator series R03:
 - **2-125 PSI** adjusting range
 - Balanced valve design
 - Self-relieving
 - Supplied with a GC620 gauge
 - Can be mounted with knob in up or down position
- Lubricator series L03:
 - 1 oz. bowl
 - Adjustable oil feed
 - Full view sight dome

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

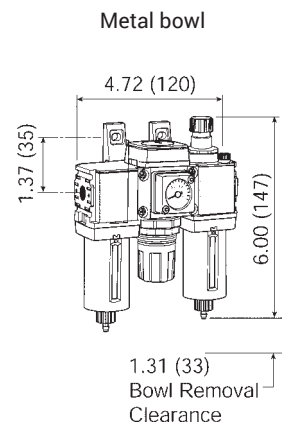
Specifications

- 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.



Wilkerson FRLs

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)



With guard

| 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

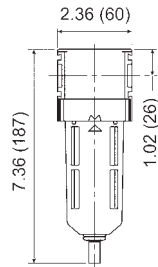
- High flow capacity
- 5 micron element
- 1.72 oz. bowl

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)



Transparent bowl with guard



| 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)



With guard

| 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

Features

- High flow capacity
- 5 micron element
- 2.87 oz. bowl

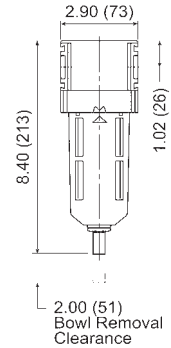
Specifications

- 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 |



Transparent bowl with guard



F30-Series Jumbo Airline Filters

Features

- 5 micron element
- 2 oz. bowl

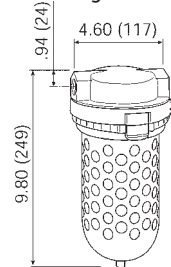
Specifications

- 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 |



With guard



F35-Series Jumbo Airline Filters

Features

- 5 micron element
- 12.5 oz. bowl

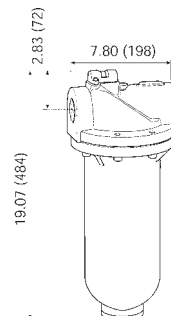
Specifications

- 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 |



With metal bowl



NOTE: SCFM ratings at 150 PSIG inlet pressure.

See pages 312 - 316 for accessories.

FRLs are designed for air service only, unless otherwise indicated.

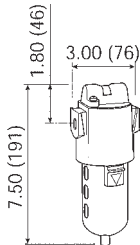


Wilkerson FRLs

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

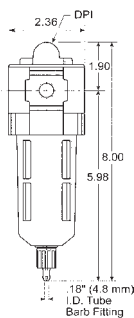
- Maximum operating conditions: 150 PSIG (10.3 bar) and 32°F to 125°F (0°C to 52°C)

| 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

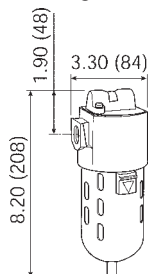
- Maximum operating conditions: 150 PSIG (10.3 bar) and -13°F to 125°F (-25°C to 52°C)

| 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.

FRLs are designed for air service only, unless otherwise indicated.



F

Wilkerson FRLs

M28-Series Standard Coalescing Filters

Features

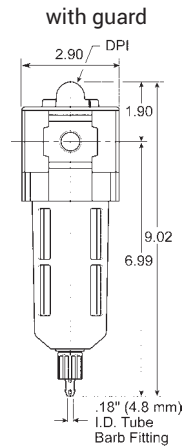
- Removes extremely fine oil mists, oil aerosols, and microscopic particles
- A standard airline filter should be installed as a pre-filter when using a coalescing filter
- 0.5 micron type B and 0.003 micron type D elements are optional
- Differential pressure indicator changes from green to red with pressure loss
- High-efficiency removal of water, oil aerosols, and solid particulate contaminants down to 0.01 mg/m³ 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

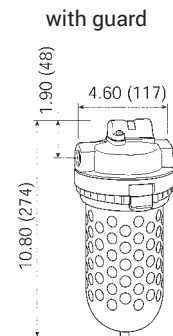
Features

- 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

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

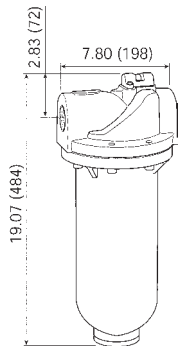


Specification

- Maximum operating conditions: 150 PSIG (10.3 bar) and 32°F to 150°F (0°C to 65.5°C)



M35-0CAMB



| 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.

FRLs are designed for air service only, unless otherwise indicated.



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



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

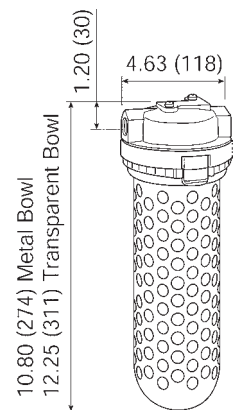
Specifications

- 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 |



with transparent bowl



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

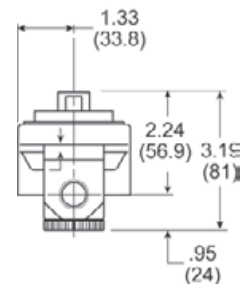
- Maximum operating pressure: 300 PSIG (20.7 bar)
- Temperature range: **32°F to 150°F (0°C to 66°C)**

| 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.

See pages 312 - 316 for accessories.

FRLs are designed for air service only, unless otherwise indicated.



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

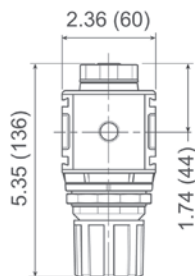
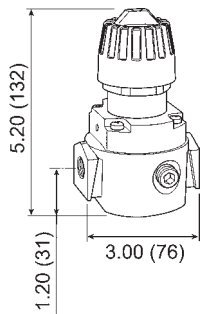
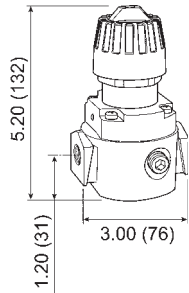
Specifications

- 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.
See pages 312 - 316 for accessories.

FRLs are designed for air service only, unless otherwise indicated.



Wilkerson FRLs

R26-Series Standard Regulators

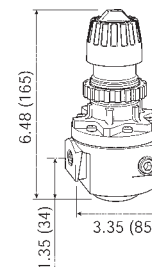
Features

- **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

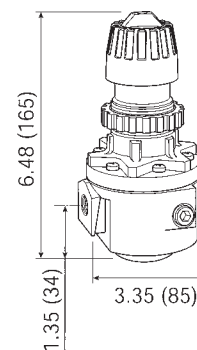
Features

- **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 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 # |
|------|-------------|-------------------|----------------------|
| 3/8" | 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.

FRLs are designed for air service only, unless otherwise indicated.

Wilkerson FRLs

R28-Series Standard Regulators



Features

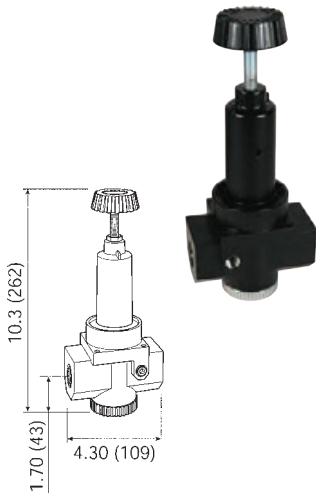
- 0-125 PSI adjusting range
- Self-relieving standard
- Four adjusting pressure ranges available
- To increase regulated pressure, pull adjusting knob up and turn clockwise, to reduce pressure, turn knob counter clockwise.
- Two 1/4" NPT gauge ports located on the front and rear faces of the body; ports 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

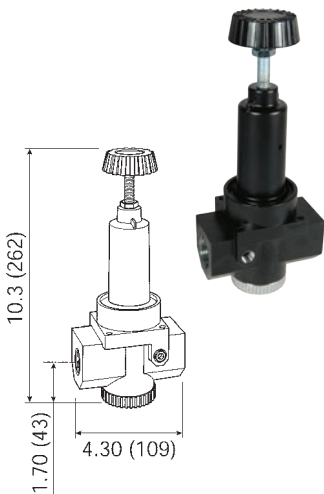
- 0-125 PSI adjusting range
- Self-relieving standard
- Piston operated
- Can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise, to reduce pressure, turn knob counter clockwise.
- Two 1/4" NPT gauge ports standard on models 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.

See pages 312 - 316 for accessories.

FRLs are designed for air service only, unless otherwise indicated.



Wilkerson FRLs

R40-Series High Flow Regulators

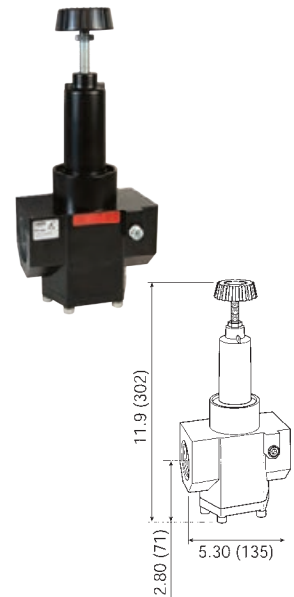
Features

- 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

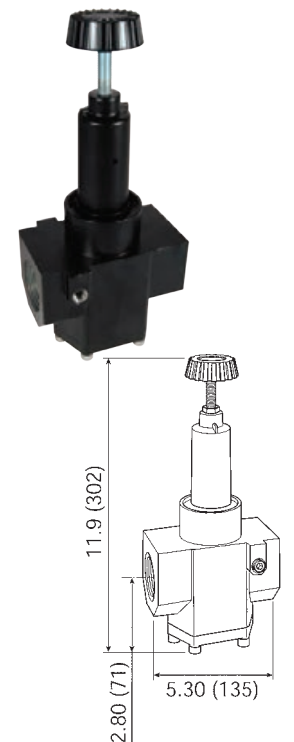
Features

- 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.

FRLs are designed for air service only, unless otherwise indicated.

Wilkerson FRLs

CB6-Series Compact Filter / Regulators

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)



with guard

| 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 |

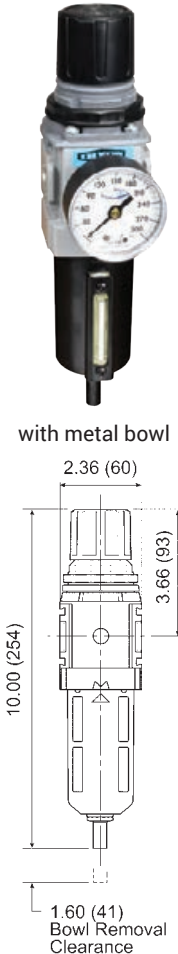
B18-Series Compact Filter / Regulators

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)



with metal bowl

| 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

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

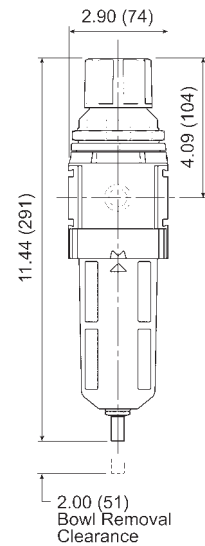
- Maximum operating conditions:
 - transparent bowl: 150 PSIG (10.3 bar) and -13°F to 125°F (-25°C to 52°C)
 - metal bowl: 250 PSIG (17.2 bar) and -13°F to 150°F (-25°C to 66°C)

| 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.



with transparent bowl



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.

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.

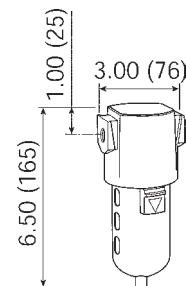
See pages 312 - 316 for accessories.

See page 267 for air tool lubricant.

FRLs are designed for air service only, unless otherwise indicated.



transparent bowl with guard



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.

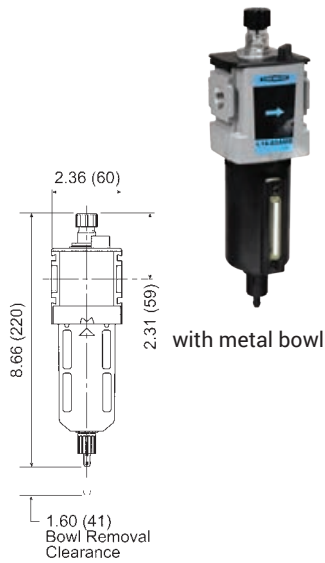
L18-Series EconOmist® Compact Lubricators

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 |

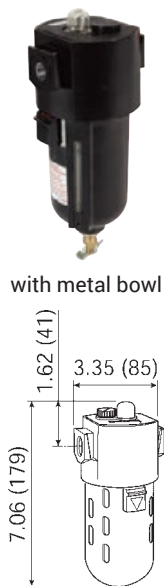
L26-Series EconOmist® Standard Lubricators

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.

FRLs are designed for air service only, unless otherwise indicated.

F

Wilkerson FRLs

L28 EconOmist® Standard Lubricators

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

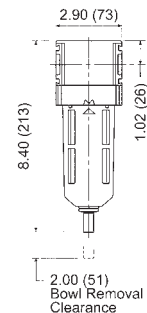
- Maximum operating conditions:
 - transparent bowl: 150 PSIG (10.3 bar) and 14°F to 125°F (-10°C to 52°C)
 - metal bowl: 250 PSIG (17.2 bar) and 14°F to 150°F (-10°C to 65.5°C)

| 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.



with metal bowl



L30 EconOmist® Standard Lubricators

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

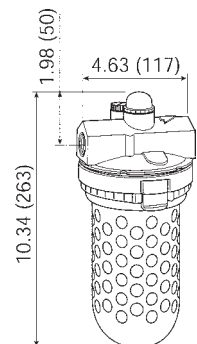
- Maximum operating conditions:
 - transparent bowl: 150 PSIG (10.3 bar) and 32°F to 125°F (0°C to 52°C)
 - metal bowl: 200 PSIG (13.8 bar) and 32°F to 150°F (0°C to 66°C)

| 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.




with metal bowl



NOTE: SCFM ratings at 150 PSIG inlet pressure.

See pages 312 - 316 for accessories.

See page 267 for air tool lubricant.

FRLs are designed for air service only, unless otherwise indicated. 

Wilkerson FRLs

L40 & L50-Series EconOmist® Standard Lubricators

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)



transparent bowl with guard

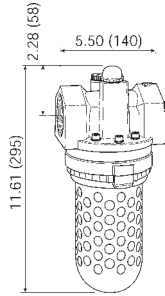



illustration represents L40 series

F

| 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

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:

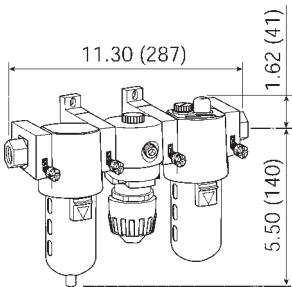
- 0-125 PSI adjusting range
- Self-relieving
- Supplied with a GC230 gauge

Lubricator series L16:

- 5 oz. bowl
- Adjustable oil feed
- Full view sight dome



transparent bowl with guard




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

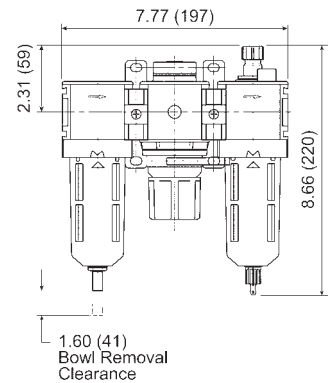
Specifications

- 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 |



with metal bowl



F

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

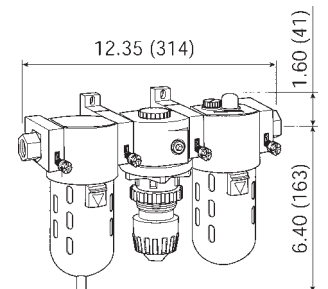
Specifications

- 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 |



with metal bowl



NOTE: SCFM ratings at 150 PSIG inlet pressure.

FRLs are designed for air service only, unless otherwise indicated. 

Wilkerson FRLs

C28-Series Standard Combination Units

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:

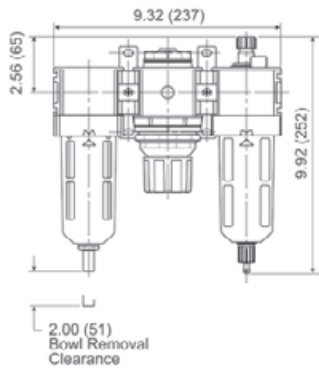
- **0-125 PSI** adjusting range
- Self-relieving
- Supplied with a GC230 gauge

Lubricator series L28:

- 6 oz. bowl
- Adjustable oil feed
- Full view sight dome



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 | |
|------|-------------|----------------------------|---------------------|------------------------|---------------------|
| | | 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

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:

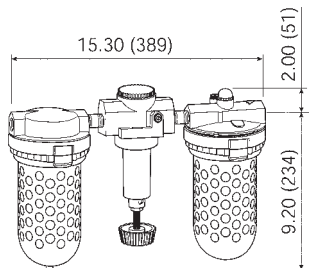
- **0-125 PSI** adjusting range
- Self-relieving
- Supplied with a GC230 gauge

Lubricator series L30:

- 26 oz. bowl
- Adjustable oil feed
- Full view sight dome



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 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.

FRLs are designed for air service only, unless otherwise indicated.

Wilkerson FRLs

D18-Series Combination Units

Features

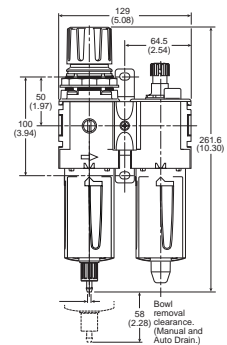
- Light weight, ready-to-mount assembly comes standard with pressure gauge and modular T-bracket/joiner assembly
 - Components integrated into single unit
 - Modern design and appearance
 - Quick disconnect bowl / bowl guard
 - 5 micron element
 - 4 oz. bowl/lubricator
- Regulator
- **0-125 PSI** adjusting range
 - Self-relieving
 - Supplied with gauge
 - 1.72 oz. bowl/filter

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)**



with transparent bowl and guard



| 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

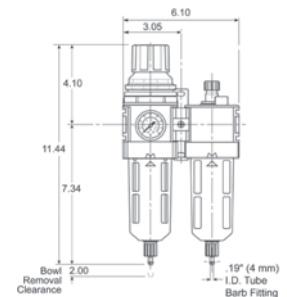
- Light weight, ready-to-mount assembly comes standard with pressure gauge and modular T-bracket/joiner assembly
 - Components integrated into single unit
 - Modern design and appearance
 - Quick disconnect bowl / bowl guard
 - 5 micron element
 - 6 oz. bowl/lubricator
- Regulator
- **0-125 PSI** adjusting range
 - Self-relieving
 - Supplied with gauge
 - 2.87 oz. bowl/filter

Specifications

- Maximum operating conditions:
 - 250 PSIG (17.2 bar) and **-13°F to 125°F (-25°C to 52°C)**



with metal bowl



| 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.

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



F

| Size | Part # |
|------|-------------|
| 1" | C31-08FRAME |

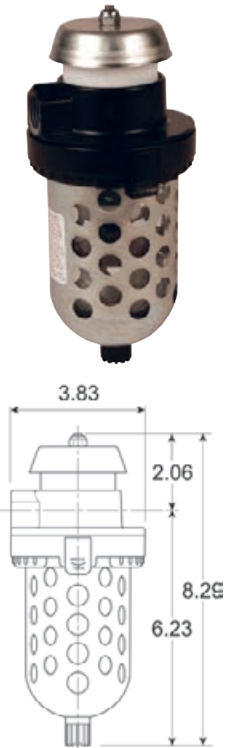
F23-Series Exhaust Muffler

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.

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

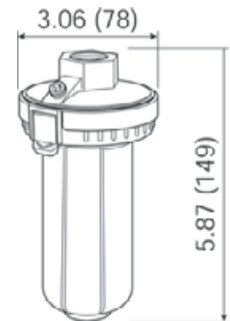
Specifications

- 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 |



with metal bowl



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 |

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 |
| | metal bowl with auto drain | GRP-95-970 |

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 |

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

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



GPA-95-098

| 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

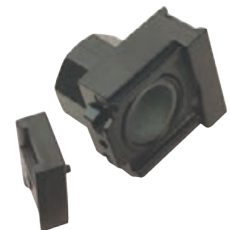
| Used On | Description | Part # |
|---|--|------------|
| F16, M16, F26, M26, R16, R26, L16, L26 | manifold block, three 1/4" NPT auxiliary ports | GPA-95-919 |
| | end block, 1/4" NPT | GPA-95-223 |
| | end block, 3/8" NPT | GPA-95-224 |
| | end block, 1/2" NPT | GPA-95-225 |
| F18, F28, R18, R28, 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 |



GPA-95-969

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

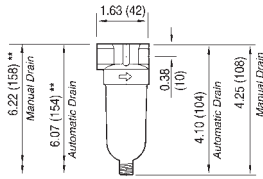
F07-Series Carded Miniature Filters

Features

- 5 micron element
- 1 oz. reservoir
- Transparent bowl

Specifications

- Inlet pressure 150 PSI maximum
- Maximum temperature: 125°F (52°C)



** minimum clearance required to remove bowl

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 1/4" | 24 | F07-200AC | F07-200MC |



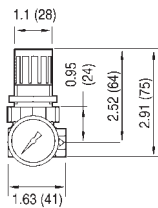
R07-Series Carded Miniature Regulator

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 | R07-200GRC |



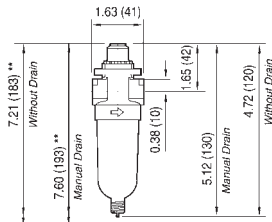
L07-Series Carded Miniature Lubricator

Feature

- 1 oz. reservoir

Specifications

- Inlet pressure 150 PSI maximum
- Maximum temperature: 125°F (52°C)



** minimum clearance required to remove bowl

| Port Size | Flow (SCFM) | with Transparent Bowl Part # |
|-----------|-------------|------------------------------|
| 1/4" | 15 | L07-200AC |



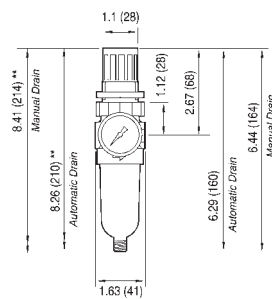
B07-Series Carded Miniature Filter/Regulators

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)



** minimum clearance required to remove bowl

| 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. SCFM ratings given at 100 PSIG inlet pressure for regulators, 90 PSIG all others.

Series 1 FRLs

F07-Series Miniature Filters

Features

- 5 micron element
- 1 oz. reservoir
- Transparent bowl

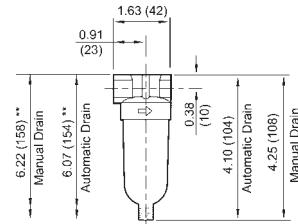
Specifications

- 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.



** minimum clearance to remove bowl

F

R07-Series Miniature Regulators

Features

- Relieving type
- RG models supplied with a GC620 gauge
- Panel nut not included

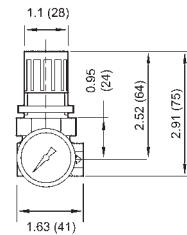
Specifications

- 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

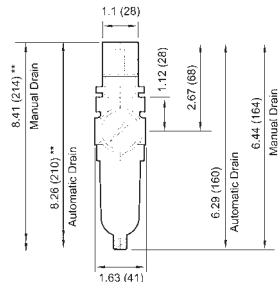
Specifications

- 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.



** minimum clearance to remove bowl

L07-Series Miniature Lubricators

Feature

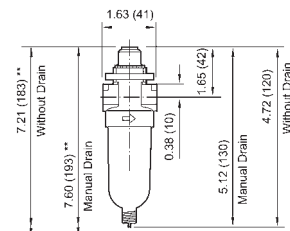
- 1 oz. reservoir

Specifications

- Inlet pressure **150 PSI** maximum
- Maximum temperature: **125°F (52°C)**



| Port Size | Flow (SCFM) | Transparent Bowl Part # |
|-----------|-------------|-------------------------|
| 1/8" | 10 | L07-100A |
| 1/4" | 14 | L07-200A |



** minimum clearance to remove bowl

Series 1 FRLs

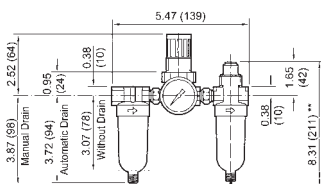
P1A-Series Miniature Combination Units

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**



** minimum clearance to remove bowl

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 1/8" | 10 | P1A-100A | P1A-100M |
| 1/4" | 14 | P1A-200A | P1A-200M |

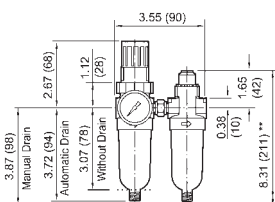
PTH-Series Miniature Combination Units

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**



** minimum clearance to remove bowl

| Port Size | Flow (SCFM) | Automatic Drain Part # |
|-----------|-------------|------------------------|
| 1/8" | 10 | PTH-100AG |
| 1/4" | 14 | PTH-200AG |

F72-Series Sub-Compact Airline Filters

Features

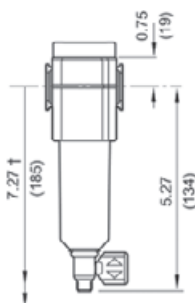
- Particle removal per ISO 8573-1, Class 5, and Class 3
- 40 micron element
- 2 oz. reservoir
- Quick-release bayonet bowl
- Prismatic lens liquid level indicator

Specifications

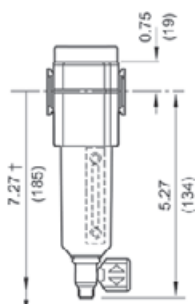
- Inlet pressure:
 - transparent bowl: **150 PSI** and **125°F (52°C)**
 - metal bowl: **250 PSI** and **150°F (66°)**



with transparent bowl



† Minimum clearance to remove bowl



† Minimum clearance to remove bowl

Transparent Bowl

| Port Size | Flow (SCFM) | Semi-Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|-----------------------------|---------------------|
| 1/4" | 55 | F72G-2A | F72G-2M |

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

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 |

Metal Bowl and Sight Glass

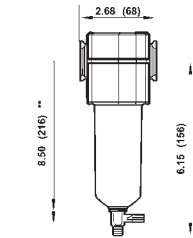
| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 1/4" | 53 | F73G-2A-MB | F73G-2M-MB |
| 3/8" | 65 | F73G-3A-MB | F73G-3M-MB |
| 1/2" | 69 | F73G-4A-MB | F73G-4M-MB |



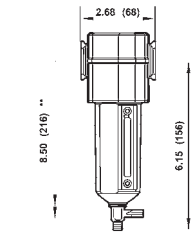
with transparent bowl



with metal bowl



** Minimum clearance required to remove bowl.



** Minimum clearance required to remove bowl.

F74-Series Standard Airline Filters

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 |

Metal Bowl and Sight Glass

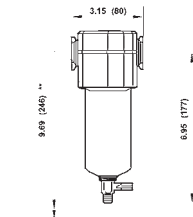
| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 3/8" | 112 | F74G-3A-MB | F74G-3M-MB |
| 1/2" | 140 | F74G-4A-MB | F74G-4M-MB |
| 3/4" | 140 | F74G-6A-MB | F74G-6M-MB |



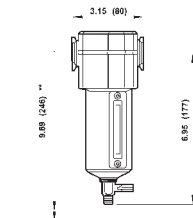
with transparent bowl



with metal bowl



** Minimum clearance required to remove bowl.



** Minimum clearance required to remove bowl.

NOTE: See pages 333 to 338 for accessories.
 FRLs are designed for air service only, unless otherwise indicated.
 SCFM ratings at 90 PSIG inlet pressure.



Series 1 FRLs

F17-Series Jumbo Airline Filters

Features

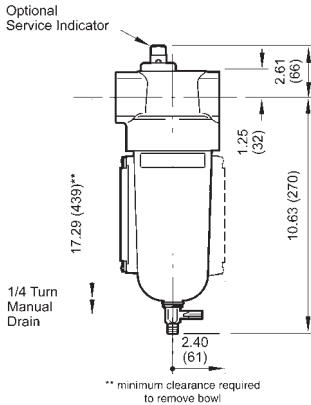
- General purpose with low pressure drop and excellent water removal characteristics
- 40 micron element
- 1 qt. reservoir

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

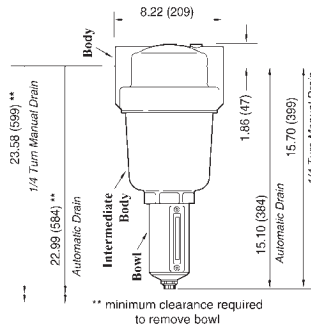
- 40 micron element
- Quick-release bayonet bowl
- Prismatic lens liquid level indicator
- 7 oz. reservoir

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

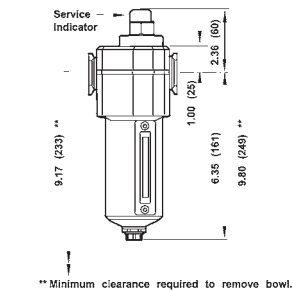
Features

- 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.
 FRLs are designed for air service only, unless otherwise indicated.
 SCFM ratings at 90 PSIG inlet pressure.



Series 1 FRLs

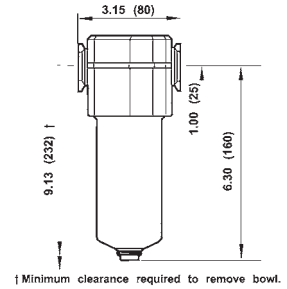
F74-Series Oil Vapor Removal Filters

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 |

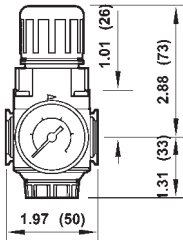
NOTE: SCFM ratings at 90 PSIG inlet pressure.

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 |

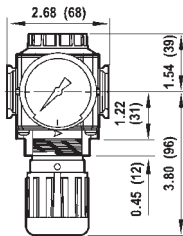


F

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.

Series 1 FRLs

R74-Series Standard Regulators



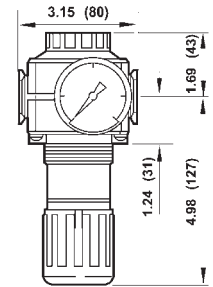
Features

- 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



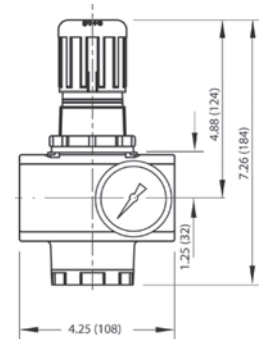
Features

- 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 # |
|-----------|-------------|-------------------|----------------------|
| 3/4" | 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



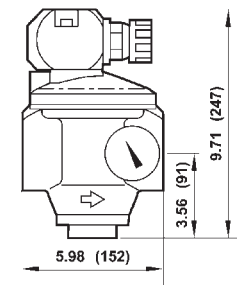
Features

- 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.



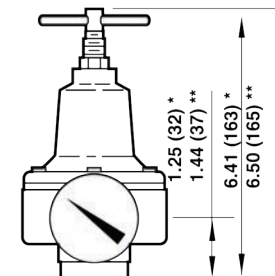
Features

- T-handle adjustment
- Supplied with GC620 gauge

Specifications

- Pressure range: **5-125 PSI**
- Inlet pressure: **400 PSI**
- Maximum temperature: **175°F (79°C)**

| 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

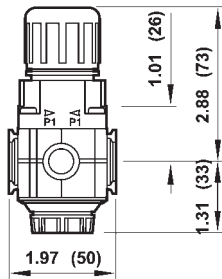
FRLs are designed for air service only, unless otherwise indicated. See pages 333 to 338 for accessories.



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.



F

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*

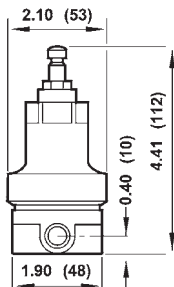


Features

- 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

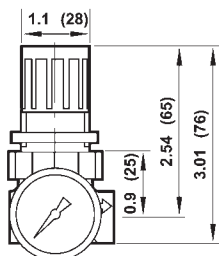
- Designed for use with deionized water and potable water systems, plastic and metal components in contact with fluid are approved by the National Sanitation Foundation (NSF) or meet Food and Drug Administration (FDA) recommendations for use in potable water systems

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.
 See pages 333 to 338 for accessories.



Series 1 FRLs

R43-Series Water Pressure Regulators

Application

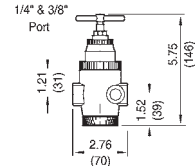
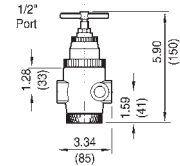
- Used in water systems to reduce and maintain pressure at a nearly constant level despite changes in the inlet pressure and changes in downstream flow requirements

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

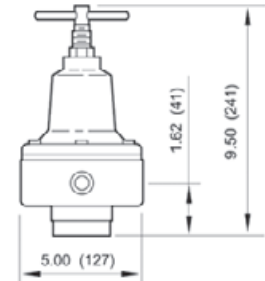
- Balanced valve minimizes effects of the inlet pressure variations on outlet pressure

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

Features

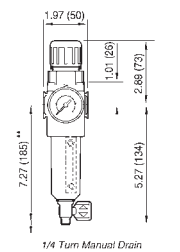
- Particle removal per ISO 8573-1, Class 5, and Class 3
- In-line or modular installation
- 40 micron element
- 2 oz. reservoir
- Quick-release bayonet bowl
- Prismatic lens liquid level indicator
- Supplied with GC620 gauge

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)**



with transparent bowl



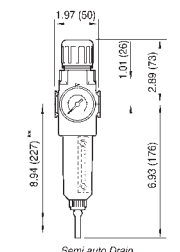
** minimum clearance required to remove bowl

Transparent Bowl

| Port Size | Flow (SCFM) | Semi-Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|-----------------------------|---------------------|
| 1/4" | 80 | B72G-2AG | B72G-2MG |

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



with metal bowl

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.

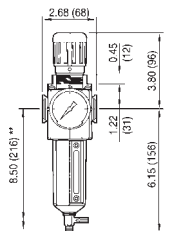


Series 1 FRLs

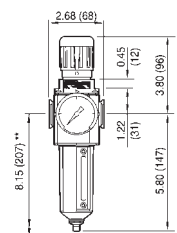
B73-Series Compact Filters / Regulators

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

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

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

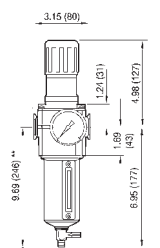
FRLs are designed for air service only, unless otherwise indicated.
See pages 333 to 338 for accessories.



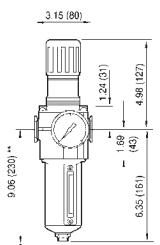
with transparent bowl



with metal bowl



Manual Drain
** minimum clearance required to remove bowl



Automatic Drain
** minimum clearance required to remove bowl



with guard



with metal bowl



Automatic

Series 1 FRLs

B17-Series Filter / Regulator

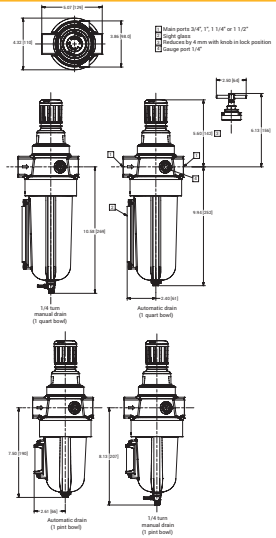
Features

- 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)

| 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

Features

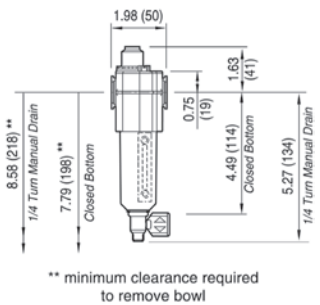
- 4 oz. reservoir
- In-line or modular installation
- Quick release bayonet bowl
- Micro-fog design delivers aerosol mist

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 |

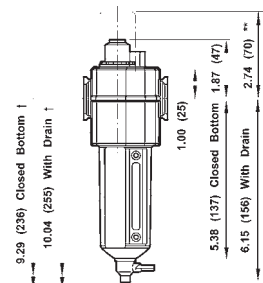
NOTE: SCFM ratings given at 90 PSIG inlet pressure
 FRLs are designed for air service only, unless otherwise indicated.
 See pages 333 to 338 for accessories.



** minimum clearance required to remove bowl



with transparent bowl



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 pressure



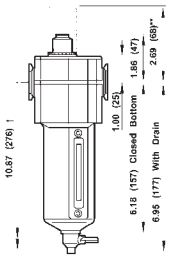
L74-Series Standard Micro-Fog Lubricators

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)



** Optional pyrex sight-feed dome.
1 Minimum clearance required to remove bowl.

| 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 |



transparent bowl

NOTE: SCFM ratings given at 90 PSIG inlet pressure.

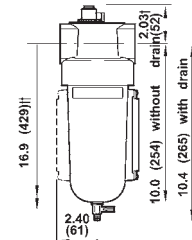
L17-Series Jumbo Micro-Fog Lubricators

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)



1 quart US (1 liter) reservoir
1/4 turn drain

| 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 (79°C)



2 and 5 gallon (8 and 20 liter) reservoir
** Optional pyrex sight-feed dome.
1 Minimum clearance required to remove bowl

| 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 otherwise indicated.



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

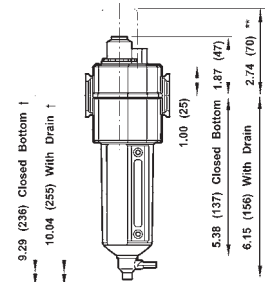
- 4 oz. reservoir
- In-line or modular installation
- Quick release bayonet bowl
- Micro-fog design delivers aerosol mist

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

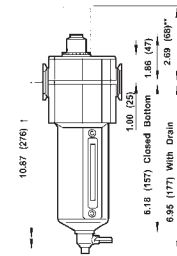
- 7 oz. reservoir
- In-line or modular installation
- Quick release bayonet bowl
- Micro-fog design delivers aerosol mist

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 |



** Optional pyrex sight-feed dome.
† Minimum clearance required to remove bowl.

L17-Series Jumbo

Features

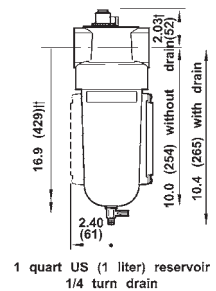
- 1 qt. reservoir
- Oil level sight gauge
- Particle removal per ISO 8573-1, class 5 and class 3
- One turn threaded bowl attachment permits easy maintenance

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 |



1 quart US (1 liter) reservoir
1/4 turn drain

NOTE: SCFM ratings given at 90 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 otherwise indicated.



F

Series 1 FRLs

L74-Series Standard Oil-Fog Lubricators

Application

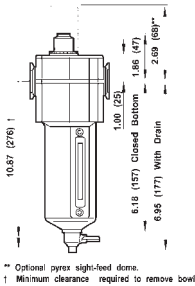
- Oil-fog lubricators, identified by a green adjusting screw, are used for lubricating a single air tool or air motor and should be installed as near the device as possible

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

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)**



metal bowl

| 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

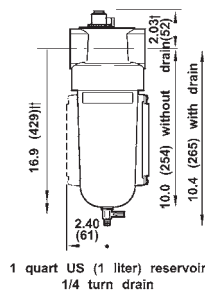
- Oil-fog lubricators, identified by a green adjusting screw, are used for lubricating a single air tool or air motor and should be installed as close to the device as possible

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

Specifications

- Inlet pressure: **250 PSI**
- Maximum temperature: **175°F (79°C)**



metal bowl

| 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.

FRLs are designed for air service only, unless otherwise indicated.



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

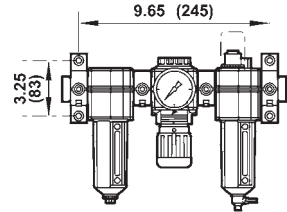
- 5-150 PSI range
- Inlet pressure:
 - transparent bowl: 150 PSI and 125°F (52°C)
 - metal bowl: 250 PSI and 175°F (79°C)

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 |



metal bowls

F

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

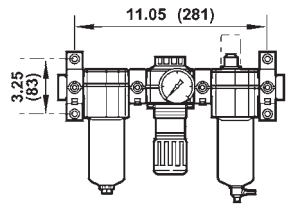
- Inlet pressure:
 - transparent bowl: 150 PSI and 125°F (52°C)
 - metal bowl: 250 PSI and 175°F (79°C)
- Pressure range: 5-150 PSI

Transparent Bowl 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 |



transparent bowl with guard

P8A Jumbo Combination Units

Features

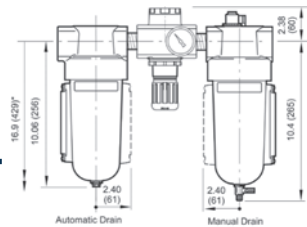
- 1 qt. reservoir

Specifications

- Pressure range: 5-125 PSI
- Inlet pressure: 250 PSI
- Maximum temperature: 175°F (79°C)

Metal Bowl and Sight Glass

| Port Size | Flow (SCFM) | Automatic Drain Part # | Manual Drain Part # |
|-----------|-------------|------------------------|---------------------|
| 1" | 275 | P8A-860A | P8A-860M |



* Minimum clearance required to remove bowl.



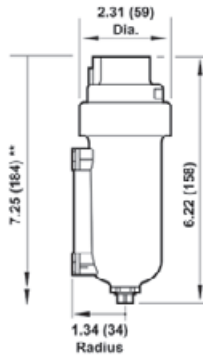
with metal bowls

NOTE: SCFM ratings given at 90 PSIG inlet pressure.
FRLs are designed for air service only, unless otherwise indicated.



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



| 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 F74 | manual drain | 619-50 |

Filter Lens Kits



| 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

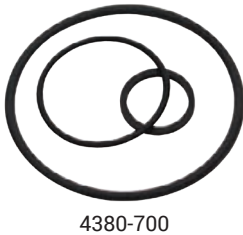
Features

- 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



| 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 |

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 |

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

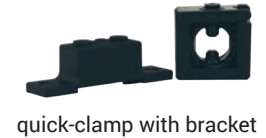
Features

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

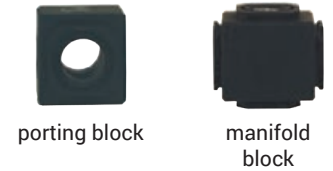


| Used On Filter/ Regulator/ Lubricator Series | Description | Part # |
|--|--|----------|
| L72 | quick-clamp | 4214-51 |
| F72 | quick-clamp service kit (2 O-rings) | 4384-570 |
| R72 | quick-clamp and bracket assembly | 4214-52 |
| F73, F74, R73, R74, L72, L73 | quick-clamp | 4314-51 |
| | quick-clamp 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 |

Blocks

Features

- Installed with quick-clamps
- Provides additional outlets and manifolding capability



| 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



| Used On Filter/ Regulator/ Lubricator Series | Description | Part # |
|--|----------------------|---------|
| L72, F72, R72 | 1/4" PTF connections | 4215-02 |
| | 3/8" PTF connections | 4215-03 |
| | 1/4" PTF connections | 4315-01 |
| F73, F74, R73, R74, L73, L74 | 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 |



18-025-003



5203-06

Regulator Mounting Brackets

| Used On Filter/ Regulator/ Lubricator Series | Description | Part # |
|--|---|------------|
| B07, R07 | | 18-025-003 |
| B08, R08 | mounting bracket with plastic panel nut | 5203-06 |
| R17 | | 5570-04 |

Watts Filters

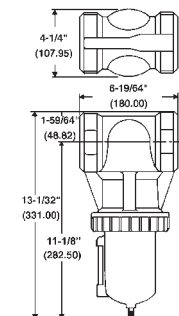
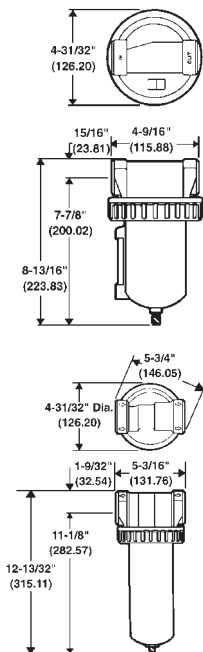
F602-Series Hi-Flow

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.



Watts Regulators

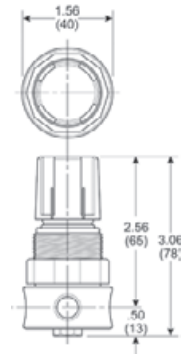
R643-Series Miniature

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)**



F



R374-02CG

R364-02C

| 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.

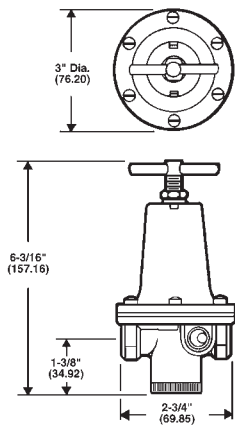
FRLs are designed for air service only, unless otherwise indicated.

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)

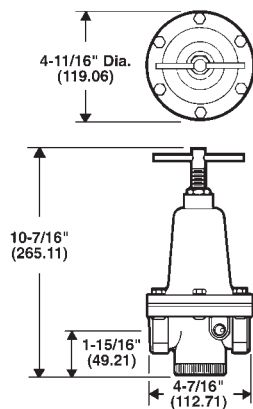
| Size | Flow (SCFM) | With Gauge Part # | Without Gauge Part # |
|------|-------------|-------------------|----------------------|
| 1/4" | 100 | R119-02CG | R119-02C |
| 3/8" | 110 | R119-03CG | R119-03C |
| 1/2" | 150 | R119-04CG | R119-04C |

NOTE: SCFM ratings given at 100 PSIG inlet pressure.



F

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.

Watts Lubricators

L606-Series Standard

Features

- 16 oz. bowl
- Zinc body
- 3/4", 1", and 1-1/2" are fillable while under pressure

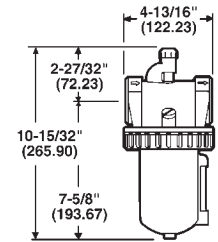
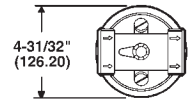
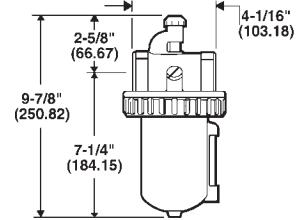
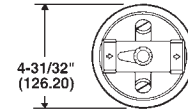
Specifications

- 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 |



L606-12W



NOTE: See pages 343 - 344 for accessories.

See page 267 for air tool lubricant.

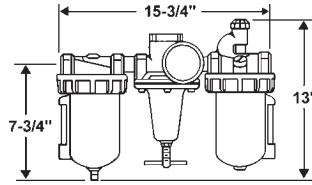
FRLs are designed for air service only, unless otherwise indicated.

SCFM ratings given at 90 PSIG inlet pressure.



Watts Combination Units

C119-Series Standard



Features

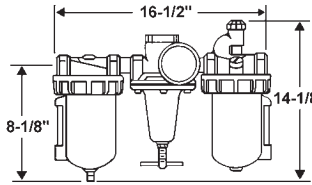
- 16 oz. bowl
- 40 micron polypropylene element
- Zinc body

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.

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 | | |



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 | | RK119A |
| R119-04 | | RK119B |
| R119-06 | | RK119D |
| R119-08 | | |
| R119-12 | | |
| 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 ($\pm 3\text{-}2\text{-}3\%$ 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 | --- |
| 0-5000 | 1000 | 100 | --- | GL375 | --- |



GL140



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

Specification

- Ambient temperature range: -40°F to 140°F (-40°C to 60°C)



GSS100

| 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

Specification

- Temperature range: -40°F to 140°F (-40°C to 60°C)



GSS160-4

| 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 |
| 0-10000 | 2000 | 200 | GSS10000-4 |

Brass Standard Dry Gauges

Features

- ASME B40.100 Grade B ($\pm 3/2/3\%$ 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 |


F

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: $\pm 0.5\%$ 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 |
| 0-1000 | 100 | 10 | PGS1000 |



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 (\pm 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 |

F

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 \pm 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 |



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Contractor Pressure Gauges

Feature

- Accuracy class: \pm 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 ($\pm 3-2-3$ % 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)



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| 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 ($\pm 3-2-3$ % 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 (\pm 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 (\pm 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

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 |



GLSC420



GLS430

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 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)



GLSS1500

| 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

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 |



F

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 |



¹ Red band between 15 to 30 PSI on GBRW30R

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 H2O
- 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 1/4" Lower Mount 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 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 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 |

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%

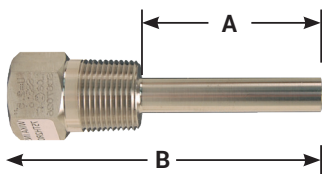


| Temperature Range | 2" Face Part # |
|-------------------------------|----------------|
| 0°F to 250°F (-18°C to 121°C) | MT250 |
| 0°F to 500°F (-18°C to 260°C) | MT500 |

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 |

F

| | |
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King Combination Nipples



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 Crimp® fittings, ferrules, and sleeves can be found on pages 5 - 17.

G

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.



G

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 |

NOTE: King Crimp® fittings, ferrules, and sleeves can be found on pages 5 - 17.



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 |
| | 1 1/4" | 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 | --- |
| | 1-1/2" | STC2520 | RST2520 |
| 2" | 2-1/2" | STC2530 | --- |
| | 3" | STC2535 | RST2535 |
| | 2" | STC3025 | RST3025 |
| 2-1/2" | 3" | STC3035 | --- |
| | 2" | STC3525 | RST3525 |
| 3" | 2-1/2" | STC3530 | --- |
| | 4" | STC3540 | --- |
| | 3" | STC4035 | --- |

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

Global King Combination Nipples

NPT Threaded End



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.

G

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.



G

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

G

| 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.

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



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 |



NOTE: King Crimp® fittings, ferrules, and sleeves can be found on pages 5 - 17.

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. | | Sleeve I.D. | Sleeve Wall Thickness | Sleeve Overall Length | Carbon Steel Part # |
|-----------|-----------|----------|-------------|-----------------------|-----------------------|---------------------|
| | From | To | | | | |
| 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 |
| | 1-45/64" | 1-48/64" | 1.813" | .060" | 1-3/4" | CSS150-1CS |
| 1-1/2" | 1-49/64" | 1-52/64" | 1.875" | .060" | 1-3/4" | CSS150-2CS |
| | 1-53/64" | 1-56/64" | 1.938" | .060" | 1-3/4" | CSS150-3CS |
| | 1-57/64" | 1-60/64" | 2.000" | .060" | 1-3/4" | CSS150-4CS |
| | 1-61/64" | 2" | 2.063" | .060" | 1-3/4" | CSS150-5CS |
| | 2-1/64" | 2-4/64" | 2.125" | .060" | 1-3/4" | CSS150-6CS |
| | 2-5/64" | 2-8/64" | 2.188" | .060" | 1-3/4" | CSS150-7CS |
| | 2-9/64" | 2-12/64" | 2.250" | .060" | 1-3/4" | CSS150-8CS |
| 2" | 2-16/64" | 2-19/64" | 2.250" | .060" | 2" | CSS150-9CS |
| | 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 |
| 3" | 2-57/64" | 2-60/64" | 3.000" | .060" | 2" | CSS200-12CS |
| | 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 |
| 4" | 3-57/64" | 3-60/64" | 4.000" | .090" | 2-5/8" | CSS300-12CS |
| | 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 | |



G

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 |



G

King Steel Hex Nipples For One Clamp

| Hose Size | NPT Size | Plated Steel Part # | Optional Qty |
|-----------|----------|---------------------|--------------|
| 1/4" | 1/4" | KHN221 | 50 |
| | 1/4" | KHN321 | 100 |
| 3/8" | 3/8" | KHN331 | 100 |
| | 1/2" | KHN341 | 100 |
| 1/2" | 1/4" | KHN421 | 50 |
| | 3/8" | KHN431 | 50 |
| | 1/2" | KHN441 | 50 |
| 3/4" | 3/4" | KHN461 | 50 |
| | 1/2" | KHN641 | 50 |
| 3/4" | 3/4" | KHN661 | 50 |
| | 3/4" | KHN861 | 25 |
| 1" | 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 |
| | 1/4" | KHN322 | 100 |
| 3/8" | 3/8" | KHN332 | 50 |
| | 1/2" | KHN342 | 100 |
| 1/2" | 1/4" | KHN422 | 100 |
| | 3/8" | KHN432 | 100 |
| | 1/2" | KHN442 | 50 |
| 3/4" | 3/4" | KHN462 | 50 |
| | 1/2" | KHN642 | 50 |
| 3/4" | 3/4" | KHN662 | 50 |
| | 3/4" | KHN862 | 25 |
| 1" | 1" | KHN882 | 25 |



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 |



Tuff-Lite®

Hose Shank x Male NPT Insert

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



polypropylene

| 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 | --- | --- |



zinc plated steel



316 stainless steel

G

¹ XL series has extra long shank

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 |
| 3/4" | 2-1/2" | 1781212SS | RM6 |

G



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

G

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 |



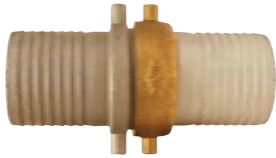
NOTE: Sold in package quantities only

King Short Shank Suction Hose Couplings

NPSM Thread

Application

- For suction or discharge of water



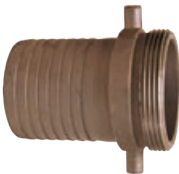
complete



female



1" - 2-1/2"
male



3" - 6"
male

| 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.

G

King Short Shank Suction Hose Couplings

NST Couplings

Application

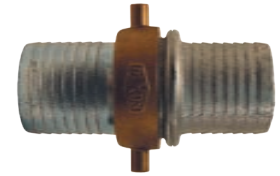
- For suction or discharge of water

| 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 |

| 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 |

| 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 |

| 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 |



complete



female



male



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 |

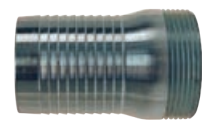
| Size | Plated Steel Shank with Brass Nut Complete Part # | Plated Steel Shank with Brass Nut Female Part # | Plated Steel Male Part # |
|--------|---|---|--------------------------|
| 1-1/4" | CSB125 | FCSB125 | MCS125 |
| 1-1/2" | CSB150 | FCSB150 | MCS150 |
| 2" | CSB200 | FCSB200 | MCS200 |
| 2-1/2" | CSB250 | FCSB250 | MCS250 |
| 3" | CSB300 | FCSB300 | MCS300 |
| 4" | CSB400 | FCSB400 | MCS400 |
| 6" | CSB600 | FCSB600 | MCS600 |



complete



female



male

NOTE: Replacement gaskets (KRW standard) are available. See page 377.

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 K LW 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 |

NOTE: Additional spanner wrenches are available on pages 828 - 831

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.



G

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

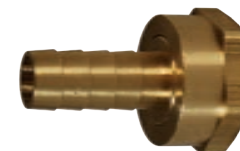
| Hose I.D. | NPSM Thread | Previous Part # | Brass Part # |
|-----------|-------------|--------------------|---------------------------|
| 1/2" | 3/4" | --- | BS446 |
| 5/8" | 3/4" | --- | BS546 |
| 3/4" | 3/4" | --- | BS646 |
| 1" | 1" | BS848 ¹ | 5911616C ^{1,2,3} |

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

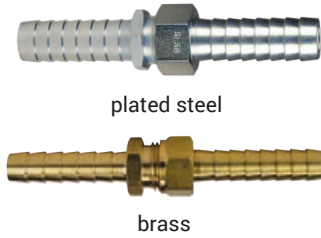
² Lead-free option available on page 420 of catalog

NOTE: Use with KRW washers on page 377



Long Shank Hose Couplings

Complete NPSM Couplings



| 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 |

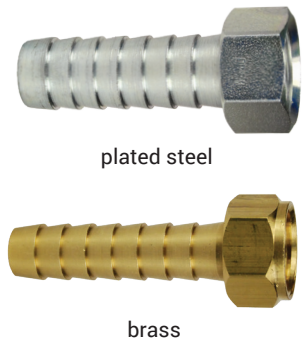
¹ NPSH thread

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

Female NPSM Couplings



| 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 |

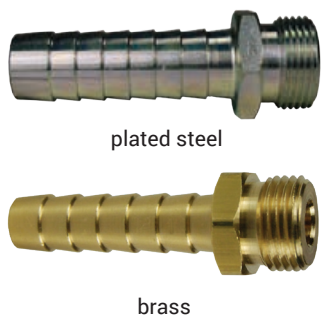
¹ NPSH thread

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



| 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

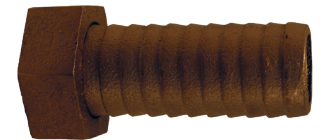
| Hose I.D. | NST Thread | Brass Part # |
|-----------|------------|--------------|
| 1-1/2" | 1-1/2" | BLS63NST |
| 2-1/2" | 2-1/2" | BLS93NST |



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 |



G

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

Female NPSM Couplings

G



| 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



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

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

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.

G



10"



12"



12"

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 |



G

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

Feature

- Supplied with gasket



10"

| Size | Galvanized Steel Part # |
|------|-------------------------|
| 10" | FP20910 |
| 12" | FP20912 ¹ |

¹ 12" supplied with M20412 lever assist bar on page 381

G

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 |
| 8" | FCM3128 |

G



Type B

Male with Machined Hose Shank

Features

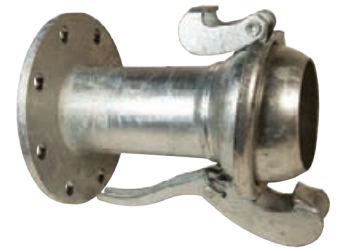
- Dixon® combination nipple style hose shank machined from Schedule 40 pipe
- Recommended for use with steel King Crimp® sleeves

| 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

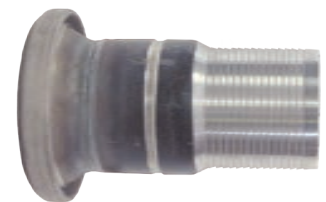
| Size | Unplated Steel Part # |
|------|-----------------------|
| 2" | 3032 |
| 3" | 3033 |
| 4" | 3034 |
| 6" | 3036 |
| 8" | 3038 |
| 10" | 30310 |
| 12" | 30312 |



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 |



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

G

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 |

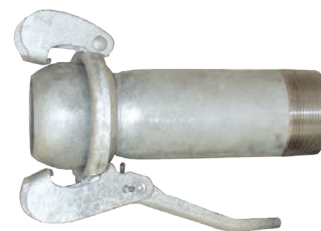


G

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

G



| Size | Galvanized Steel Part # |
|------|-------------------------|
| 2" | LR3042 |
| 3" | LR3043 |
| 4" | LR3044 |
| 6" | LR3046 |
| 8" | LR3048 |
| 10" | LR30410 |
| 12" | LR30412 |

Lever Assist Bar



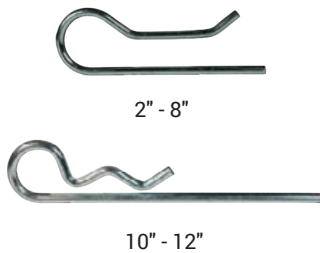
| Size | Description | Galvanized Steel Part # |
|-------------|--------------------------------------|-------------------------|
| 10" and 12" | lever assist bar for type B fittings | ACB304 |

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



| 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 |



G

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 |

G

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

G

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 |

Flexible Strainers



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



FLSS200



FLSS200-A

| 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 |
| | | 8 mm | | | | FLSS200-NPT8 |

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 |
| 8" | FVSP80 |



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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

Pressure Requirements

| Steam Pressure | | Water Pressure | |
|--------------------------|--------------------------|--------------------------|--------------------------|
| Minimum 80 PSI | Maximum 90 PSI | Minimum 50 PSI | Maximum 80 PSI |



Station is not supplied with hose and nozzle



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

H

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

H

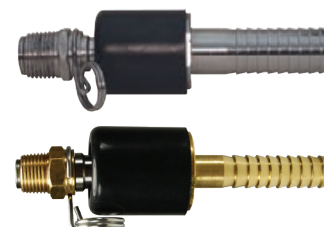
Swivel Connectors for Washdown Spray Guns

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 |

Lite Washdown Spray Nozzles

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)**



LWSG-W



LWSG-B

| Cover Color | Brass Part # |
|-------------|--------------|
| blue | LWSG-B |
| white | LWSG-W |

H