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Proud U.S. Manufacturer

dixonvalve.com 877.963.4966 DPL426

⚠WARNING

Before purchasing Dixon® products, you should be aware and make your customers aware of certain warnings. Such warnings are found on page 1110 and the inside back cover of the catalog.

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DIXON
The Right Connection®

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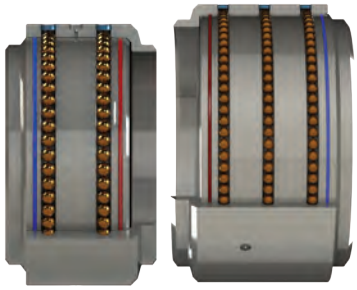

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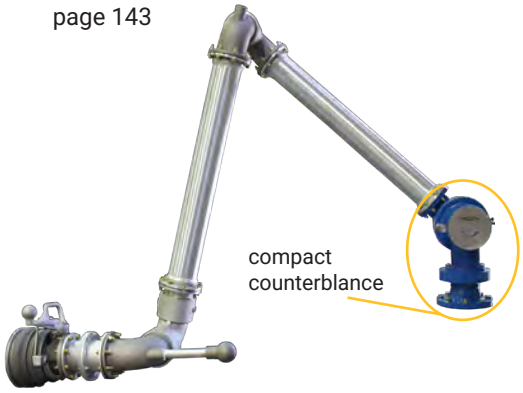

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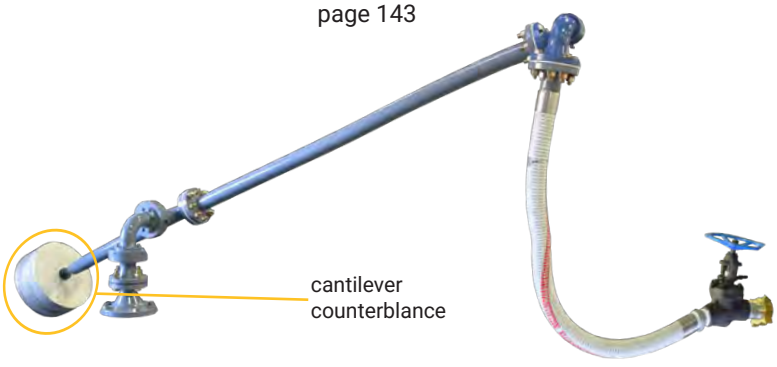

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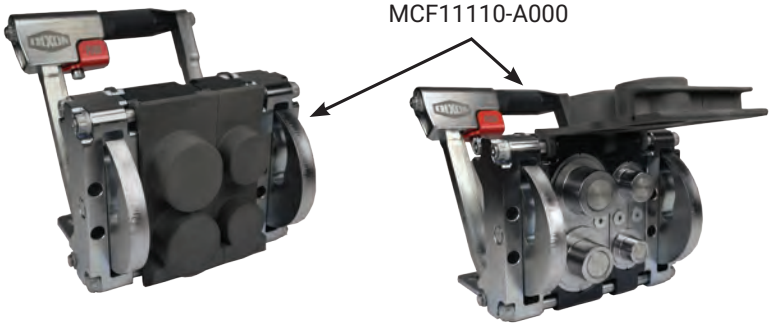

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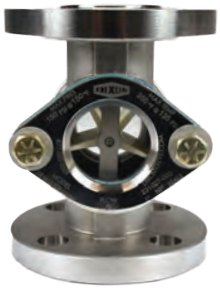

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55 Gallon Open Head Drum
with Lever Lock

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aluminum

polyurethane
with D-ring (-D)

polyurethane
with D-ring (-ED)

polyurethane with
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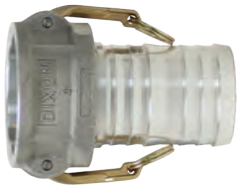
Crimp Working Pressure Chart

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

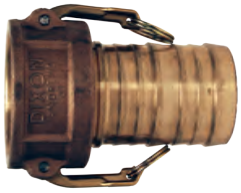
Size	Temperature	Fitting	Clamp	Working Pressure PSIG
3"	Ambient	STC35CS	sleeve	200
	160°F (71°C)			140
	180°F (82°C)			100
	250°F (121°C)			75
	Ambient	STC35CS	ferrule	300
	160°F (71°C)			218
	180°F (82°C)			200
	250°F (121°C)			100
	Ambient	300-C/E	sleeve	125
	160°F (71°C)			100
	180°F (82°C)			60
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

Dixon® Type C Couplers

Coupler and 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

Size	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 Type C Couplers

Coupler and Hose Shank

Feature

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

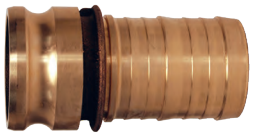
Size	316 Stainless Steel Part #
1"	RC100EZCR
1-1/4"	RC125EZCR
1-1/2"	RC150EZCR
2"	RC200EZCR
3"	RC300EZCR
4"	RC400EZCR
6"	RC600EZCR

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 and Hose Shank

356T6 aluminum



brass

316 stainless steel

unplated ductile iron

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 #	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

More than just fittings and ferrules...

Trust King Crimp®

1916 DIXON 2026

110 YEARS OF UNCOMMON EXCELLENCE®

- Size recommendations are etched on most parts
- Hyrdraulically and thermally tested
- Coupling combinations for every connection

ENGINEERED SOLUTION FOR SAFETY AND RELIABILITY

For more information
877.963.4966
dixonvalve.com

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Global Crimp Type C Couplers

Coupler and Hose Shank

A383 cast aluminum

C38000 forged brass

316 investment cast stainless

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.

Size	A383 Cast 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

Global Crimp Type E Adapters

Adapter and Hose Shank

A383 cast 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.

Size	A383 Cast 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 Combination Nipples

NPT 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.

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

NOTE: For 8" options see page 11.

Grooved End

Feature

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

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

Beveled End

Feature

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

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

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

FJIC

Size	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 Flanged Fittings

Combination Nipple and 150# ASA Fixed (Welded) Flanges

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

stainless steel

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.

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 and TTMA Flanges

carbon steel

aluminum

Feature

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

Size	Flange Thickness	Carbon Steel Part #	Aluminum Part #
2"	3/8"	---	ATTFST25CS
3"	1/4"	TTFST35CS	ATTFST35CS
	3/8"	---	---
4"	5/16"	TTFST40CS	ATTFST40CS
	3/8"	TTFST40CS-THK	---

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

Nipples for Floating Flanges

carbon steel

Feature

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

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

NOTE: To be used with lap joint, LJ/LJR floating flanges on page 970.

Dixon Boss Sanitary King Crimp Stem

Feature
- To be used with King Crimp sleeves and/or ferrules see pages 13-17

Clamp End and Hose Shank Stems

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

King Crimp Short Combination Nipple

Short Combination Nipples – NPT 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 and drawings on pipe dimensions please reference dixonvalve.com.

Short Ferrules

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

NOTE: Consult Dixon for additional ferrule sizes.

King Crimp Heavy Duty Combination Nipple

Combination Nipple – Heavy-Duty, NPT Threaded End

Application

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

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)
- Used with ferrules below

Size	Schedule 80 Steel Part#
4"	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.

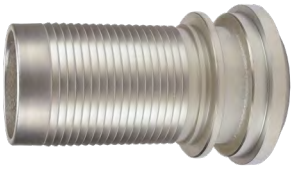
Specifications

- **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

Boss® Ground Joint Stems

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 manufacturer's products with Dixon products. Pressure rating is based on the seal of the mating part.



Hose Shank x NPT	Plated Steel and/or Iron Part #	Opt Qty
2"	GB26	10
3"	GB36	5

NOTE: GB26 and GB36 has a machined shank to accept a Boss™ clamp, King Crimp™ sleeve or a ferrule. Use only Boss clamps on GB26/GB36 for steam service.

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

King Crimp Ferrules

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

Hose I.D.	Hose O.D.		Work. Pressure (PSI)		Ferrule I.D.	Ferrule Wall Thickness	Ferrule Overall Length	Carbon Steel Part #	304 Stainless Steel Part #
	From	To	cam & groove[1]	King Crimp nipple[2]					
1"	1-13/64"	1-16/64"	250	400	1.313"	.060"	2-13/16"	CF100-1CS	CF100-1SS
	1-17/64"	1-20/64"	250	400	1.375"	.060"	2-13/16"	CF100-2CS	CF100-2SS
	1-21/64"	1-24/64"	250	400	1.438"	.060"	2-13/16"	CF100-3CS	CF100-3SS
	1-25/64"	1-28/64"	250	400	1.500"	.060"	2-13/16"	CF100-4CS	CF100-4SS
	1-29/64"	1-32/64"	250	400	1.563"	.060"	2-13/16"	CF100-5CS	CF100-5SS
	1-33/64"	1-36/64"	250	400	1.625"	.060"	2-13/16"	CF100-6CS	CF100-6SS
	1-37/64"	1-40/64"	250	400	1.688"	.060"	2-13/16"	CF100-7CS	CF100-7SS
	1-41/64"	1-44/64"	250	400	1.750"	.060"	2-13/16"	CF100-8CS	CF100-8SS
	1-45/64"	1-48/64"	250	400	1.813"	.060"	2-13/16"	CF100-9CS	CF100-9SS
	1-49/64"	1-52/64"	250	400	1.875"	.060"	2-13/16"	CF100-10CS	CF100-10SS
1-1/4"	1-41/64"	1-44/64"	250	350	1.750"	.060"	2-13/16"	CF125-3CS	CF125-3SS
	1-45/64"	1-48/64"	250	350	1.813"	.060"	2-13/16"	CF125-4CS	CF125-4SS
	1-49/64"	1-52/64"	250	350	1.875"	.060"	2-13/16"	CF125-5CS	CF125-5SS
	1-53/64"	1-56/64"	250	350	1.938"	.060"	2-13/16"	CF125-6CS	CF125-6SS
1-1/2"	1-41/64"	1-44/64"	250	350	1.750"	.062"	2-13/16"	CF150-1CS	CF150-1SS
	1-45/64"	1-48/64"	250	350	1.813"	.060"	2-13/16"	CF150-2CS	CF150-2SS
	1-49/64"	1-52/64"	250	350	1.875"	.060"	2-13/16"	CF150-3CS	CF150-3SS
	1-53/64"	1-56/64"	250	350	1.938"	.060"	2-13/16"	CF150-4CS	CF150-4SS
	1-57/64"	1-60/64"	250	350	2.000"	.060"	2-13/16"	CF150-5CS	CF150-5SS
	1-61/64"	2"	250	350	2.063"	.060"	2-13/16"	CF150-6CS	CF150-6SS
	2-1/64"	2-4/64"	250	350	2.125"	.060"	2-13/16"	CF150-7CS	CF150-7SS
	2-5/64"	2-8/64"	250	350	2.188"	.060"	2-13/16"	CF150-8CS	CF150-8SS
	2-9/64"	2-12/64"	250	350	2.250"	.060"	2-13/16"	CF150-9CS	CF150-9SS
	2-13/64"	2-16/64"	250	350	2.313"	.060"	2-13/16"	CF150-10CS	CF150-10SS
	2-17/64"	2-20/64"	250	350	2.375"	.060"	2-13/16"	CF150-11CS	CF150-11SS
	2-21/64"	2-24/64"	250	350	2.438"	.060"	2-13/16"	CF150-12CS	CF150-12SS
2"	2-13/64"	2-16/64"	250	300	2.313"	.060"	3-1/8"	CF200-1CS	CF200-1SS
	2-17/64"	2-20/64"	250	300	2.375"	.060"	3-1/8"	CF200-2CS	CF200-2SS
	2-21/64"	2-24/64"	250	300	2.438"	.060"	3-1/8"	CF200-3CS	CF200-3SS
	2-25/64"	2-28/64"	250	300	2.500"	.060"	3-1/8"	CF200-4CS	CF200-4SS
	2-29/64"	2-32/64"	250	300	2.563"	.060"	3-1/8"	CF200-5CS	CF200-5SS
	2-33/64"	2-36/64"	250	300	2.625"	.060"	3-1/8"	CF200-6CS	CF200-6SS
	2-37/64"	2-40/64"	250	300	2.688"	.060"	3-1/8"	CF200-7CS	CF200-7SS
	2-41/64"	2-44/64"	250	300	2.750"	.060"	3-1/8"	CF200-8CS	CF200-8SS
	2-45/64"	2-48/64"	250	300	2.813"	.060"	3-1/8"	CF200-9CS	CF200-9SS
	2-49/64"	2-52/64"	250	300	2.875"	.060"	3-1/8"	CF200-10CS	CF200-10SS
	2-53/64"	2-56/64"	250	300	2.938"	.060"	3-1/8"	CF200-11CS	CF200-11SS
	2-57/64"	2-60/64"	250	300	3.000"	.060"	3-1/8"	CF200-12CS	CF200-12SS
2-1/2"	2-57/64"	2-60/64"	---	300	3.000"	.060"	3-1/2"	CF250-5CS	---
	2-61/64"	3"	---	300	3.063"	.060"	3-1/2"	CF250-6CS	---
	3-1/64"	3-4/64"	---	300	3.125"	.060"	3-1/2"	CF250-7CS	---
	3-5/64"	3-8/64"	---	300	3.188"	.060"	3-1/2"	CF250-8CS	---

[1] Based on using crimp cam and groove shanks
[2] Based on using King Crimp nipples

King Crimp 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"	**75**	**230**	6.500"	.120"	5-7/8"	CF600-1CS	CF600-1SS
	6-29/64"	6-36/64"	**75**	**230**	6.625"	.120"	5-7/8"	CF600-2CS	CF600-2SS
	6-37/64"	6-44/64"	**75**	**230**	6.750"	.120"	5-7/8"	CF600-3CS	CF600-3SS
	6-45/64"	6-52/64"	**75**	**230**	6.875"	.120"	5-7/8"	CF600-4CS	CF600-4SS
	6-53/64"	6-60/64"	**75**	**230**	7.000"	.120"	5-7/8"	CF600-5CS	CF600-5SS
	6-61/64"	7-4/64"	**75**	**230**	7.125"	.120"	5-7/8"	CF600-6CS	CF600-6SS
	7-5/64"	7-12/64"	**75**	**230**	7.250"	.120"	5-7/8"	CF600-7CS	CF600-7SS
	7-13/64"	7-20/64"	**75**	**230**	7.375"	.120"	5-7/8"	CF600-8CS	CF600-8SS
	7-21/64"	7-28/64"	**75**	**230**	7.500"	.120"	5-7/8"	CF600-9CS	CF600-9SS

[1] Based on using crimp cam and groove shanks
[2] Based on using King Crimp nipples

King Crimp 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"	250	400	1.313"	.060"	2-1/2"	CS100-1CS	CS100-1SS	---
	1-17/64"	1-20/64"	250	400	1.375"	.060"	2-1/2"	CS100-2CS	CS100-2SS	CS100-2AL
	1-21/64"	1-24/64"	250	400	1.438"	.060"	2-1/2"	CS100-3CS	CS100-3SS	---
	1-25/64"	1-28/64"	250	400	1.500"	.060"	2-1/2"	CS100-4CS	CS100-4SS	CS100-4AL
	1-29/64"	1-32/64"	250	400	1.563"	.060"	2-1/2"	CS100-5CS	CS100-5SS	---
	1-33/64"	1-36/64"	250	400	1.625"	.060"	2-1/2"	CS100-6CS	CS100-6SS	CS100-6AL
	1-37/64"	1-40/64"	250	400	1.688"	.060"	2-1/2"	CS100-7CS	CS100-7SS	---
	1-41-64"	1-44/64"	250	400	1.750"	.060"	2-1/2"	CS100-8CS	CS100-8SS	---
	1-45/64"	1-48/64"	250	400	1.813"	.060"	2-1/2"	CS100-9CS	CS100-9SS	---
	1-49/64"	1-52/64"	250	400	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

A

King Crimp Sleeves

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

Hose I.D.	Hose O.D. From	Hose O.D. To	Work. Pressure (PSI) cam & groove[1]	Work. Pressure (PSI) King Crimp nipple[2]	Sleeve I.D.	Sleeve Wall Thick.	Sleeve Overall Length	Carbon Steel Part #	304 Stainless Steel Part #	Aluminum Part #
3"	3-13/64"	3-16/64"	125	200	3.313"	.090"	3-3/4"	CS300-1CS	CS300-1SS	---
	3-17/64"	3-20/64"	125	200	3.375"	.090"	3-3/4"	CS300-2CS	CS300-2SS	---
	3-21/64"	3-24/64"	125	200	3.438"	.090"	3-3/4"	CS300-3CS	CS300-3SS	---
	3-25/64"	3-28/64"	125	200	3.500"	.090"	3-3/4"	CS300-4CS	CS300-4SS	---
	3-29/64"	3-32/64"	125	200	3.563"	.090"	3-3/4"	CS300-5CS	CS300-5SS	CS300-5AL
	3-33/64"	3-36/64"	125	200	3.625"	.090"	3-3/4"	CS300-6CS	CS300-6SS	---
	3-37/64"	3-40/64"	125	200	3.688"	.090"	3-3/4"	CS300-7CS	CS300-7SS	CS300-7AL
	3-41/64"	3-44/64"	125	200	3.750"	.090"	3-3/4"	CS300-8CS	CS300-8SS	CS300-8AL
	3-45/64"	3-48/64"	125	200	3.813"	.090"	3-3/4"	CS300-9CS	CS300-9SS	---
	3-49/64"	3-52/64"	125	200	3.875"	.090"	3-3/4"	CS300-10CS	CS300-10SS	CS300-10AL
	3-53/64"	3-56/64"	125	200	3.938"	.090"	3-3/4"	CS300-11CS	CS300-11SS	---
	3-57/64"	3-60/64"	125	200	4.000"	.090"	3-3/4"	CS300-12CS	CS300-12SS	CS300-12AL
	3-61/64"	4"	125	200	4.063"	.090"	3-3/4"	CS300-13CS	CS300-13SS	---
	4-1/64"	4-4/64"	125	200	4.125"	.090"	3-3/4"	CS300-14CS	CS300-14SS	---
	4-5/64"	4-8/64"	125	200	4.188"	.090"	3-3/4"	CS300-15CS	CS300-15SS	---
	4-9/64"	4-12/64"	125	200	4.250"	.090"	3-3/4"	CS300-16CS	CS300-16SS	---
4"	4-13/64"	4-16/64"	110	175	4.313"	.090"	3-3/4"	CS400-1CS	CS400-1SS	---
	4-17/64"	4-20/64"	110	175	4.375"	.090"	3-3/4"	CS400-2CS	CS400-2SS	---
	4-21/64"	4-24/64"	110	175	4.438"	.090"	3-3/4"	CS400-3CS	CS400-3SS	---
	4-25/64"	4-28/64"	110	175	4.500"	.090"	3-3/4"	CS400-4CS	CS400-4SS	---
	4-29/64"	4-32/64"	110	175	4.563"	.090"	3-3/4"	CS400-5CS	CS400-5SS	---
	4-33/64"	4-36/64"	110	175	4.625"	.090"	3-3/4"	CS400-6CS	CS400-6SS	---
	4-37/64"	4-40/64"	110	175	4.688"	.090"	3-3/4"	CS400-7CS	CS400-7SS	---
	4-41/64"	4-44/64"	110	175	4.750"	.090"	3-3/4"	CS400-8CS	CS400-8SS	---
	4-45/64"	4-48/64"	110	175	4.813"	.090"	3-3/4"	CS400-9CS	CS400-9SS	---
	4-49/64"	4-52/64"	110	175	4.875"	.090"	3-3/4"	CS400-10CS	CS400-10SS	CS400-10AL
	4-53/64"	4-56/64"	110	175	4.938"	.090"	3-3/4"	CS400-11CS	CS400-11SS	CS400-11AL
	4-57/64"	4-60/64"	110	175	5.000"	.090"	3-3/4"	CS400-12CS	CS400-12SS	CS400-12AL
	4-61/64"	5"	110	175	5.063"	.090"	3-3/4"	CS400-13CS	CS400-13SS	---
	5-1/64"	5-4/64"	110	175	5.125"	.090"	3-3/4"	CS400-14CS	CS400-14SS	---
	5-5/64"	5-8/64"	110	175	5.188"	.090"	3-3/4"	CS400-15CS	CS400-15SS	---
	5-9/64"	5-12/64"	110	175	5.250"	.090"	3-3/4"	CS400-16CS	CS400-16SS	---
6"	6-21/64"	6-28/64"	75	75	6.500"	.120"	5-1/2"	CS600-1CS	CS600-1SS	---
	6-29/64"	6-36/64"	75	75	6.625"	.120"	5-1/2"	CS600-2CS	CS600-2SS	---
	6-37/64"	6-44/64"	75	75	6.750"	.120"	5-1/2"	CS600-3CS	CS600-3SS	---
	6-45/64"	6-52/64"	75	75	6.875"	.120"	5-1/2"	CS600-4CS	CS600-4SS	---
	6-53/64"	6-60/64"	75	75	7.000"	.120"	5-1/2"	CS600-5CS	CS600-5SS	---
	6-61/64"	7-4/64"	75	75	7.125"	.120"	5-1/2"	CS600-6CS	CS600-6SS	---
	7-5/64"	7-12/64"	75	75	7.250"	.120"	5-1/2"	CS600-7CS	CS600-7SS	---
	7-13/64"	7-20/64"	75	75	7.375"	.120"	5-1/2"	CS600-8CS	CS600-8SS	---
	7-21/64"	7-28/64"	75	75	7.500"	.120"	5-1/2"	CS600-9CS	CS600-9SS	---

[1] Based on using crimp cam and groove shanks
[2] Based on using King Crimp nipples

King Crimp Sleeves

Large Sleeves

Hose I.D.	Sleeve I.D.	Sleeve Wall Thickness	Sleeve Overall Length	Carbon Steel Part #
6"	6.44"	0.120"	5.50"	S6438X550X120CS
	7.00"	0.120"	4.00"	S700X400X120CS
	7.00"	0.120"	6.00"	S700X600X120CS
8"	8.30"	0.120"	8.75"	S830X875X120CS
	8.38"	0.120"	6.00"	S838X600X120CS
	8.50"	0.120"	6.50"	S850X650X120CS
	8.75"	0.120"	6.00"	S875X600X120CS
	8.98"	0.120"	8.75"	S898X875X120CS
	9.00"	0.090"	4.00"	S900X400X090CS
	9.00"	0.120"	4.00"	S900X400X120CS
	9.00"	0.120"	6.00"	S900X600X120CS
	9.10"	0.120"	4.00"	S910X400X120CS
	9.12"	0.120"	6.00"	S912X600X120CS
	9.15"	0.120"	6.00"	S915X600X120CS
	9.25"	0.120"	4.00"	S925X400X120CS
	9.25"	0.120"	6.00"	S925X600X120CS
	9.50"	0.120"	4.00"	S950X400X120CS
	9.50"	0.120"	6.00"	S950X600X120CS
	9.75"	0.120"	6.00"	S975X600X120CS
10"	10.25"	0.120"	7.50"	S1025X750X120CS
	10.50"	0.120"	7.50"	S1050X750X120CS
	11.00"	0.120"	6.00"	S1100X600X120CS
	11.25"	0.120"	7.50"	S1125X750X120CS
	11.75"	0.120"	6.00"	S1175X600X120CS
	11.75"	0.120"	7.50"	S1175X750X120CS
12"	12.44"	0.120"	8.00"	S1244X800X120CS
	12.44"	0.120"	9.00"	S1244X900X120CS
	12.75"	0.120"	8.00"	S1275X800X120CS
	13.00"	0.120"	9.50"	S1300X950X120CS
	13.12"	0.120"	8.00"	S1312X800X120CS
	13.25"	0.120"	7.50"	S1325X750X120CS
	13.25"	0.120"	8.00"	S1325X800X120CS
	13.25"	0.120"	9.50"	S1325X950X120CS
	13.75"	0.120"	7.50"	S1375X750X120CS
14"	14.00"	0.120"	8.00"	S1400X800X120CS
	14.00"	0.120"	9.50"	S1400X950X120CS

NOTE: Consult Dixon® for additional sleeve sizes

B

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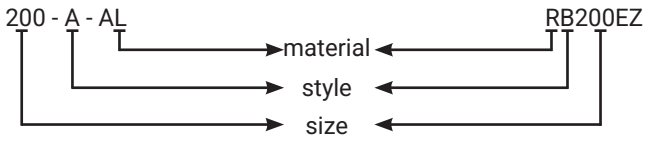
B

Ordering System



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

Operation of Cam & Groove

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

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

Specifications on Dixon® Cam & Groove

Specifications

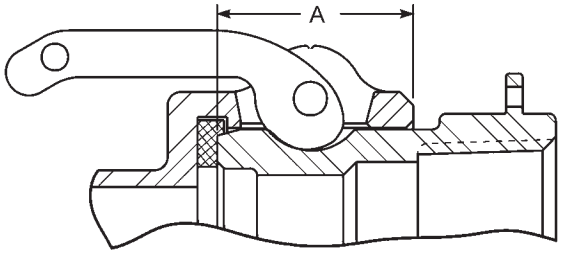
- Dixon, Boss-Lock, and EZ Boss-Lock cam & groove couplers and adapters are produced to interchange with all product produced to Commercial Item Description A-A-59326E.
- No standard exists for the 1/2", 5", and 8" fittings, and generally these sizes do not interchange with other manufacturers' products.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

Pressure Ratings

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

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

Cam & Groove Nominal Take-Up Lengths



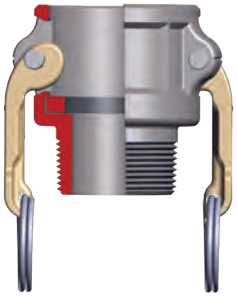
Coupling Size	Dimension A
1/2"	0.97"
3/4"	0.97"
1"	1.20"
1-1/4"	1.44"
1-1/2"	1.50"
2"	1.81"
2-1/2"	1.82"
3"	1.78"
4"	1.84"
5"	2.00"
6"	2.13"
8"	2.06"
8"	3.22"

Cam & Groove Configurations

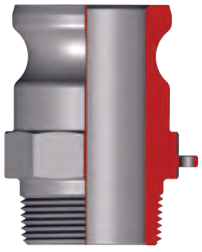
Configurations are representative of the Dixon® line of cam & groove.

Type A
adapter and female NPT

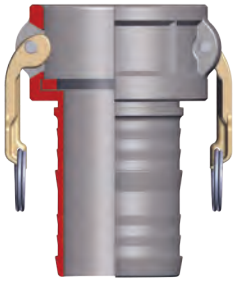
Type E
adapter and hose shank



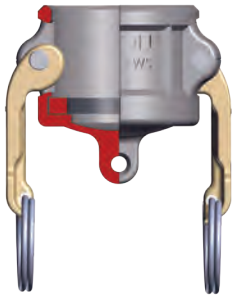
Type B
coupler and male NPT



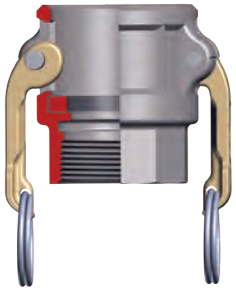
Type F
adapter and male NPT



Type C
coupler and hose shank



Type DC[1]
dust cap



Type D
coupler and female NPT

Type DP[1]
dust plug

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

⚠WARNING

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

B

Dixon® Cam & Groove Styles

Dixon

Features

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

Dixon Global

Features

- Interchanges with all products produced to A-A-59326E
- 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.

B

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

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
- 1", 1-1/2", 2", 3", and 4"

Materials
- 316 stainless steel
- 356T6 aluminum

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

Type B Coupler
Coupler and Male NPT

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
1"	---	RLBEZ100
1-1/2"	---	RLBEZ150
2"	ALBEZ200	RLBEZ200
3"	ALBEZ300	RLBEZ300
4"	ALBEZ400	RLBEZ400

Type C Coupler
Coupler and Hose Shank

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
1"	---	RLCEZ100 [1]
1-1/2"	---	RLCEZ150 [1]
2"	ALCEZ200 [1]	RLCEZ200 [1]
3"	ALCEZ300 [1]	RLCEZ300 [1]
4"	ALCEZ400 [1]	RLCEZ400 [1]

[1] Hose drop shank

Type D Coupler
Coupler and Female NPT

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
1"	---	RLDEZ100
1-1/2"	---	RLDEZ150
2"	ALDEZ200	RLDEZ200
3"	ALDEZ300	RLDEZ300
4"	ALDEZ400	RLDEZ400

Type H
Dust Cap

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
1"	---	RLHEZ100
1-1/2"	---	RLHEZ150
2"	ALHEZ200	RLHEZ200
3"	ALHEZ300	RLHEZ300
4"	ALHEZ400	RLHEZ400

Swivel Cam & Groove Couplings

Features
- Live swivel is capable of 360° rotation under pressure
- Nitrile rubber or FKM X-ring seals for reduced friction and high stability in dynamic applications
- Couplers include EZ Boss-Lock cam arms

Material
- Gasket, pressure seal, and dust seal: nitrile rubber or FKM

Type A Adapters
Adapter and Female NPT

Size	356T6 Aluminum		316 Stainless Steel	
	Part #[1]	Part #[2]	Part #[1]	Part #[2]
1"	100-A-ALSWIV	---	100-A-SSSWIV	---
1-1/2"	150-A-ALSWIV	---	150-ASSSWIV	---
2"	200-A-ALSWIV	200-A-ALSWIVVI	200-A-SSSWIV	200-A-SSSWIVVI
3"	300-A-ALSWIV	300-A-ALSWIVVI	300-A-SSSWIV	300-A-SSSWIVVI
4"	400-A-ALSWIV	400-A-ALSWIVVI	400-A-SSSWIV	400-A-SSSWIVVI

Type C Couplers
Coupler and Hose Shank

Size	356T6 Aluminum		316 Stainless Steel	
	Part #[1]	Part #[2]	Part #[1]	Part #[2]
1"	AC100EZSWIV	---	RC100EZSWIV	---
1-1/2"	AC150EZSWIV	---	RC150EZSWIV	---
2"	AC200EZSWIV	AC200EZSWIVVI	RC200EZSWIV	RC200EZSWIVVI
3"	AC300EZSWIV	AC300EZSWIVVI	RC300EZSWIV	RC300EZSWIVVI
4"	AC400EZSWIV	AC400EZSWIVVI	RC400EZSWIV	RC400EZSWIVVI

Type D Couplers
Coupler and Female NPT

Size	356T6 Aluminum		316 Stainless Steel	
	Part #[1]	Part #[2]	Part #[1]	Part #[2]
1"	AD100EZSWIV	---	RD100EZSWIV	---
1-1/2"	AD150EZSWIV	---	RD150EZSWIV	---
2"	AD200EZSWIV	AD200EZSWIVVI	RD200EZSWIV	RD200EZSWIVVI
3"	AD300EZSWIV	AD300EZSWIVVI	RD300EZSWIV	RD300EZSWIVVI
4"	AD400EZSWIV	AD400EZSWIVVI	RD400EZSWIV	RD400EZSWIVVI

Type E Adapters
Adapter and Hose Shank

Size	356T6 Aluminum		316 Stainless Steel	
	Part #[1]	Part #[2]	Part #[1]	Part #[2]
1"	100-E-ALSWIV	---	100-E-SSSWIV	---
1-1/2"	150-E-ALSWIV	---	150-E-SSSWIV	---
2"	200-E-ALSWIV	200-E-ALSWIVVI	200-E-SSSWIV	200-E-SSSWIVVI
3"	300-E-ALSWIV	300-E-ALSWIVVI	300-E-SSSWIV	300-E-SSSWIVVI
4"	400-E-ALSWIV	400-E-ALSWIVVI	400-E-SSSWIV	400-E-SSSWIVVI

[1] Gasket, pressure seal, and dust seal: nitrile rubber
[2] Gasket, pressure seal, and dust seal: FKM

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

Size	Part #	Description	Seal
2"	2RKCGSWIVBU	replacement pressure seal, dust seal, set screw, 10 spare ball bearings	Nitrile
	2RKCGSWIVVI	replacement pressure seal, dust seal, set screw, 10 spare ball bearings	FKM
3"	3RKCGSWIVBU	replacement pressure seal, dust seal, set screw, 10 spare ball bearings	Nitrile
	3RKCGSWIVVI	replacement pressure seal, dust seal, set screw, 10 spare ball bearings	FKM
4"	4RKCGSWIVBU	replacement pressure seal, dust seal, set screw, 10 spare ball bearings	Nitrile
	4RKCGSWIVVI	replacement pressure seal, dust seal, set screw, 10 spare ball bearings	FKM

B

King Crimp® System Cam & Groove

Dixon® Type C
domestic coupler

EZ Boss-Lock Type C
domestic coupler

Type C
global coupler

Dixon Type E
domestic adapter

Type E
global adapter

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

Crimp Working Pressure Chart

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

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

* 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: 356T6 aluminum, 316 stainless steel
- Coupler tabs and springs: 316 stainless steel
- Gasket: nitrile rubber

Specifications
- Maximum working pressure with King Crimp® ferrules: 1-1/2" to 2" **250 PSI**, 3" and 4" **150 PSI**
- Maximum working pressure with crimp sleeves: 1-1/2" to 2" **250 PSI**, 3" **125 PSI**, 4" **110 PSI**
- Maximum working pressure with band clamps: 1-1/2" to 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 and Male NPT

Size	356T6 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 and Hose Shank

Size	356T6 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 and Female NPT

Size	356T6 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	---

B

EZLink® Armless Cam & Groove

Type DC Dust Caps

Size	356T6 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 temperatures 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 and 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 and 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 and 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 and Female NPT

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

Type E Adapters
Adapter and 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 F Adapters
Adapter and MNPT

Size	316 Stainless Steel Part #
1"	L100-F-SS
2"	L200-F-SS
3"	L300-F-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	---
4"	---	ALH400EZ

Vent-Lock® Safety Cam & Groove Coupling Accessories

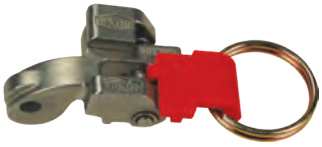
Dixon® handle assembly

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

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

EZ Boss-Lock handle assembly

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



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

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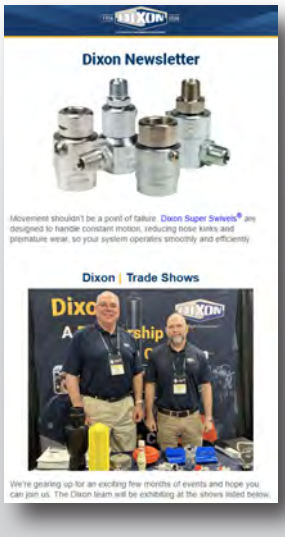

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B

356T6 aluminum

aluminum hardcoat

brass

unplated malleable iron

plated malleable iron

316 stainless steel

400-A-ALINSERT

Dixon® Type A Adapters

Adapter and 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[2]	75-A-SS
1"	---	100-A-PM[2]	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
8"	---	---	801-A-SS[3]

[1] Ductile iron
[2] Zinc plated carbon steel
[3] Designed for use with RD800EZHD, available on page 42

Adapter and 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 and female NPT with UHMW insert	400-A-ALINSERT
(400-A-MI) malleable iron adapter and female NPT with UHMW insert	400-A-MIINSERT
(400-A-SS) stainless steel adapter and female NPT with UHMW insert	400-A-SSINSERT

Dixon® Type B Couplers

Coupler and Male NPT

Features

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

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

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

[2] Parts are produced as a welded fabrication.

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

[1] Ductile iron

356T6 aluminum

aluminum hard coat

brass

unplated malleable iron

316 stainless steel

B

356T6 aluminum

brass

plated malleable iron

316 stainless steel

Boss-Lock Type B Couplers

Coupler and Male NPT

Features

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

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

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

356T6 aluminum

brass

316 stainless steel

EZ Boss-Lock Type B Couplers

Coupler and Male NPT

Feature

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

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

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

B

Dixon® Type C Couplers

Coupler and Hose Shank

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

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

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

[1] Dixon and Boss-Lock cam & groove couplings do not interchange in the 8" size the 8" Dixon design has 4 cam arms
[2] Suitable for use with King Crimp® sleeves and ferrules, see pages 13 - 16
[3] Malleable iron

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

356T6 aluminum

aluminum hard coat

brass

unplated ductile iron

316 stainless steel

Coupler and 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 and hose shank with UHMW insert	400-C-ALINSERT
(400-C-MI) malleable iron coupler and hose shank with UHMW insert	400-C-MIINSERT

400-C-MIINSERT

B

Dixon® Type C Couplers with Notched NOS Shank

Coupler and NOS Shank

Features

- The system allows improved inventory management by stocking 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 45
- See page 374 for male NPT notched NOS fittings

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

[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 and Hose Shank

356T6 aluminum

brass

plated malleable iron

316 stainless steel

Features

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

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

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

[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 and Collared Hose Shank

Features
- Utilization of Boss clamp provides greater resistance to end pull than conventional band clamps
- Can be used with band clamps

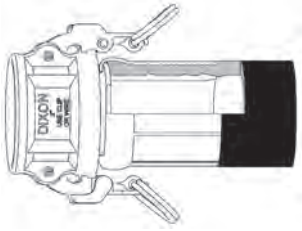
Size	316 Stainless Steel Part #
1"	RC100CEZ
1-1/2"	RC150CEZ
2"	RC200CEZ

Boss-Lock Type C Couplers with Notched Shank

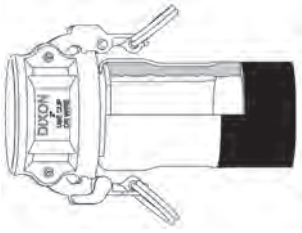
Coupler and Hose Shank

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.
- The system allows improved inventory management by stocking 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 use with notched ferrules on page 44

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



crimped assembly



swaged assembly

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

NOTE: Contact Dixon for swage and crimp recommendations.

B

356T6 aluminum

brass

316 stainless steel

AC400EZP[1]

EZ Boss-Lock Type C Couplers

Coupler and 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
	AC300EZPB[3]	---	---
4"	AC400EZ	BC400EZ	RC400EZCR
	AC400EZP[1]	---	---
	AC400EZPB[3]	---	---
4" x 3"	AC4030EZP[1]		
	AC4030EZPB[3]		
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.

[3] Includes brass paddle handle

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 485
- Other sizes available; consult Dixon for pricing and availability

Size	316 Stainless Steel Part #
2"	RC200EZPF
3"	RC300EZPF

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 588 for more information.

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

EZ Boss-Lock Type C Couplers with Notched Hose Shank

Coupler and 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.
- The system allows improved inventory management by stocking 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 use with notched ferrules on page 44

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

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

B

Dixon® Type D Couplers

Coupler and Female NPT

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

B

Boss-Lock Type D Couplers

Coupler and 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"	ID600EZ[2]	---

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

356T6 aluminum

brass

plated malleable iron

316 stainless steel

B

EZ Boss-Lock Type D Couplers

Coupler and Female NPT

356T6 aluminum

brass

316 stainless steel

heavy duty 316 stainless steel

AD400EZP [1]

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
	AD300EZPB[6]	---
4"	AD400EZ	BD400EZ
	AD400EZP[1]	---
	AD400EZPB[6]	---
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]
6"	RD600EZ	RD600EZHD[5]
8"	---	RD800EZHD[7]

[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**, use only with Dixon® part number 300-A-SS or 300-F-SS
[4] Pressure rating of **300 PSI**, use only with Dixon part number 400-A-SS or 400-F-SS
[5] Pressure rating of **150 PSI**, use only with Dixon part number 600-A-SS or 600-F-SS
[6] Includes brass paddle handle
[7] Pressure rating of **100 PSI**, use only with Dixon part number 801-A-SS

B

Type E Adapters

Adapter and Hose Shank

Feature

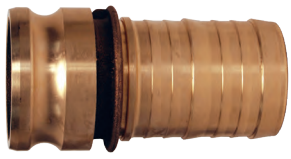
- Pressure rating is based on the seal of the mating part, see ratings on page 20

Size	356T6 Aluminum Part #	Aluminum Hard Coat Part #	Brass Part #
1/2"	50-E-AL	---	50-E-BR
3/4"	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.

356T6 aluminum

aluminum hard coat



brass

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[3]	75-E-SS
1"	---	100-E-PM[3]	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-SS

unplated malleable iron

plated malleable iron

316 stainless steel

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

Type E Adapter with Phono Finish Shank

Application

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

Features

- When testing tank transport hoses from a wide variety of manufacturers, the Boss-Lock PF fitting showed significant improvement in hose coupling retention over the conventional cam & groove shank design
- For best results Dixon recommends the use of 3/4" wide band clamps found on page 483
- Other sizes available, consult Dixon for pricing and availability

Size	316 Stainless Steel Part #
2"	RE200PF

B

Type E Adapters with Swaged Ferrule

Application

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

Features

- Provides a permanently attached cam & groove fitting when superior coupling retention is required
- Testing tank transport hoses from a wide variety of manufacturers proved the swaged Boss-Lock fitting to be the leader in overall performance
- Other sizes or hose O.D.s available on special order. Consult Dixon® for pricing and availability
- Special equipment required for installation, consult Dixon for pricing and availability or refer to page 586 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 and 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.
- The system allows improved inventory management by stocking 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 use with notched ferrules below

swaged assembly

crimped assembly

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

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

Notched Ferrules

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

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

Features

- The system allows improved inventory management by stocking 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 374 for male NPT notched NOS fittings

Size	316 Stainless Steel Part #
2"	200ENOSSS [1]
3"	300ENOSSS [1]

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.

[1] Part will be discontinued as stock is depleted

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

NOTE: Reference notched shanks on page 374 and adapters above

B

Type F Adapters and NPT

Adapter and Male NPT

356T6 aluminum

aluminum hard coat

brass

unplated malleable iron

plated malleable iron

316 stainless

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[2]	75-F-SS
1"	---	100-F-PM[2]	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

[2] Zinc-plated carbon steel

Dixon® Type DC Dust Caps

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

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

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

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

356T6 aluminum

aluminum hard coat

brass

unplated malleable iron

316 stainless steel

B

Dixon® Lockable Dust Caps

356T6 aluminum

brass

316 stainless steel

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

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

Feature
- Angled, ergonomic thumb release

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

Boss-Lock Type H Dust Caps

356T6 aluminum

brass

plated malleable iron

316 stainless steel

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

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

Size	Plated Malleable Iron Part #	316 Stainless Steel Part #
3/4"	---	RH075BL
1"	---	RH100BL
1-1/4"	---	RH125BL
1-1/2"	IH150	RH150BL
2"	IH200	RH200BL
3"	IH300	RH300BL
4"	IH400	RH400BL
6"	IH600EZ[3]	---

[1] Dixon and Boss-Lock cam & groove couplings do not interchange in the 8" size
[2] Part will be discontinued as stock is depleted
[3] Cap has EZ Boss-Lock handles

B

EZ Boss-Lock Type H Dust Caps

356T6 aluminum

brass

316 stainless steel

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 #	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.

We Believe in the 6 Pillars of Character

1916 DIXON 2026

110 YEARS OF UNCOMMON EXCELLENCE®

B

Type DP Dust Plugs

356T6 aluminum

aluminum hard coat

brass

unplated malleable iron

plated malleable iron

316 stainless steel

Feature

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

Size	356T6 Aluminum Part #	Aluminum Hard Coat Part #	Brass Part #
1/2"	---	---	50-DP-BR
3/4"	75-DP-AL	---	75-DP-BR
1"	100-DP-AL	---	100-DP-BR
1-1/4"	125-DP-AL	---	125-DP-BR
1-1/2"	150-DP-AL	150-DP-ALH	150-DP-BR
2"	200-DP-AL	200-DP-ALH	200-DP-BR
2-1/2"	250-DP-AL	---	---
3"	300-DP-AL	300-DP-ALH	300-DP-BR
4"	400-DP-AL	400-DP-ALH	400-DP-BR
5"	500-DP-AL	---	---
6"	600-DP-AL	---	600-DP-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-SS
1-1/2"	---	---	150-DP-SS
2"	200-DP-MI	200-DP-PM	200-DP-SS
2-1/2"	---	---	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

B

Hastelloy® Cam & Groove Type A Adapters

Adapter and Female NPT

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

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

Hastelloy Cam & Groove Type E Adapters

Adapter and 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] 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 and Male NPT

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

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

B

Hastelloy® Cam & Groove
EZ Boss-Lock Type B Couplers

Coupler and Male NPT

Feature
- Couplers supplied with FKM-A gaskets

Materials
- Cam arms: 316 stainless steel
- Pins: 303 stainless steel
- Rings: trivalent chrome 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 and Hose Shank

Feature
- Couplers supplied with FKM-A gaskets

Materials
- Cam arms: 316 stainless steel
- Pins: 303 stainless steel
- Rings: trivalent chrome 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 and Female NPT

Feature
- Couplers supplied with FKM-A gaskets

Materials
- Cam arms: 316 stainless steel
- Pins: 303 stainless steel
- Rings: trivalent chrome plated 12 gauge steel wire

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

B

Type DA Couplings with Port

Coupler and Adapter

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

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

Type DA Jump Size Couplings

Coupler and Adapter

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

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

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

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)

4030-DA-SS

4060-DA-AL

2015-DA-AL

5060-DA-AL

B

Boss-Lock Type DA Jump Size Couplings

Coupler and 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
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 Couplings

Coupler and 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
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 Couplings with Port

Coupler and 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)

B

Type AA Spool Adapters

Adapter and 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 #	Brass 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	200-AA-BR	---	---
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]	---	---	---	---
2-1/2" x 4"	2540-AA-AL[1]	---	---	---	---
3"	300-AA-AL	300-AA-SS	300-AA-BR	---	---
3" x 4"	3040-AA-AL	3040-AA-SS[1]	---	---	---
4"	400-AA-AL	400-AA-SS	---	400-AA-MI	400-AA-MIHD [2]
4" x 5"	4050-AA-AL	---	---	4050-AA-MI	---
4" x 6"	4060-AA-AL	4060-AA-SS[1]	---	---	---
5"	500-AA-AL	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
[2] Heavy duty for abrasive environments

increaser / reducer

same size

Dixon® Type DD Couplers

Coupler and Coupler

Feature

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

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

[1] Parts are produced as a welded fabrication

reducer / increaser

same size

Boss-Lock Type DD Couplers

Coupler and 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

reducer / increaser

same size

B

Type A Jump Size Adapters

Adapter and Female NPT

Feature

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

Size	356T6 Aluminum Part #	Brass Part #	316 Stainless Steel Part #
2" x 1-1/2"	2015-A-AL	---	2015-A-SS
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 2030-A-AL is a 2" adapter to a 3" female NPT)

Dixon® Type B Jump Size Couplers

Coupler and 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-B-AL is a 4" coupler to a 3" male NPT)

Dixon Type C Jump Size Couplers

Coupler and 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 and 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).

B

Dixon® Type D Jump Size Couplers

Coupler and Female NPT

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

Size	356T6 Aluminum Part #	Brass Part #	316 Stainless Steel Part #
1-1/2" x 1"	1510-D-AL	---	1510-D-SS[1]
2" x 1-1/2"	2015-D-AL	---	2015-D-SS
3" x 2"	3020-D-AL	---	3020-D-SS
4" x 3"	4030-D-AL	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-D-AL is a 4" coupler to a 3" female NPT)

Type E Jump Size Adapters

Adapter and 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	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-E-AL is a 4" adapter to a 3" hose shank)

Type F Jump Size Adapters

Adapter and 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-F-AL is a 4" adapter to a 3" male NPT)

B

Dixon® Type DA 45° Elbows

Adapter and 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	---
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 and 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 and 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 and 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° Elbows

Adapter and 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

B

Type B 90° Dixon® Elbows

Coupler and Male NPT

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

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

[1] Parts are produced as a welded fabrication.

Type C 90° Dixon Elbows

Coupler and 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 and Female NPT

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

EZ Boss-Lock design

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

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

B

Type E 90° Elbows

Adapter and Hose Shank

Feature

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

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

[1] Parts are produced as a welded fabrication

Type F 90° Elbows

Adapter and 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] Parts are produced as a welded fabrication

Type F 15° Elbows

Adapter and 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 and 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	3/8"
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 and 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 and 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 and 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	7/16"
4"	RDL400EZ	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	---	75DWBPSTSS
1"	1.015	---	100DWBPSTSS
1-1/2"	1.515	150DWBPSTAL	150DWBPSTSS
2"	2.015	200DWBPSTAL	200DWBPSTSS
3"	3.015	300DWBPSTAL	300DWBPSTSS
4"	4.015	400DWBPSTAL	400DWBPSTSS
5"	5.015	500DWBPSTAL	---
6"	6.020	600DWBPSTAL	---

EZ Boss-Lock Coupler Socket Weld to Schedule 40 Pipe

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

Dixon Weld to Tube Cam and Groove

Features

- Designed to be welded to standard sanitary tubing
- 316 stainless steel investment casting

Adapter and Weld to Tube End

Size	316 Stainless Steel Part #
1"	RE100BT
1-1/2"	RE150BT
2"	RE200BT
3"	RE300BT

Boss-Lock Coupler and Weld to Tube End

Size	316 Stainless Steel Part #
1"	RC100BT
1-1/2"	RC150BT
2"	RC200BT
3"	RC300BT

B

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

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

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

Adapter Socket Weld to Schedule 40 Pipe

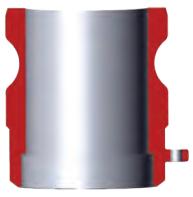
Feature
- Not all configurations are stocked

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

[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

Cam and Groove Transition Fittings

Adapter and Clamp End

Size	316 Stainless Steel Part #
1-1/2"	RE150SE
2"	RE200SE
3"	RE300SE

Coupler and Clamp End

Size	316 Stainless Steel Part #
1-1/2"	RC150SE
2"	RC200SE
3"	RC300SE

B

Adapter and 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

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

Size	NPSM Replacement Gasket Part #
4"	400GAGFI

Boss-Lock Coupler and 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 and 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 842-845
- 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 and Tube with 45° Cut

Application
- For use on trailer relief valves

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

Size	356T6 Aluminum Part #
2"	AC200TUBE

In-Line Sight Glasses

Application
- Designed for dry bulk transfer hose

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

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

Coupler and Adapter

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

Adapter and Adapter

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

Coupler and Coupler

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

B

Dixon® Cam & Groove Handles

brass

316 sintered stainless steel

316 investment stainless steel

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
- Solid pins are 303 stainless
- Trivalent chrome plated steel pull ring

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

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

Dixon Cam & Groove Locking Handles for Dust Caps

200-LH-SI

300-LH-BR

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

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

Boss-Lock Cam & Groove Handles

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

Materials
- Solid pins are 303 stainless
- Trivalent chrome plated steel pull ring

BHSC152

BH6

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

Coupler Size	Brass Part #
6" and 8"	BH6

EZ Boss-Lock Cam & Groove Handles

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

Coupler Size	316 Investment Cast Stainless Steel Part #
3/4" - 1"	RHEZ175
1-1/4" - 2-1/2"	RHEZ152
3" - 5"	RHEZ34
6" and 8"	RHEZ6

EZ Boss-Lock Cam & Groove Paddle Handle

Materials
- Brass or investment cast stainless steel cam arm with stainless steel lever
- 316 stainless steel spring
- 303 stainless steel pin, washer

Coupler Size	Brass Part #	316 Investment Cast Stainless Steel Part #
3" - 5"	BHEZ34PAD	RHEZ34PAD
6" and 8"	---	RHEZ8PAD

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

Dixon® Coupling Paddle Handles

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

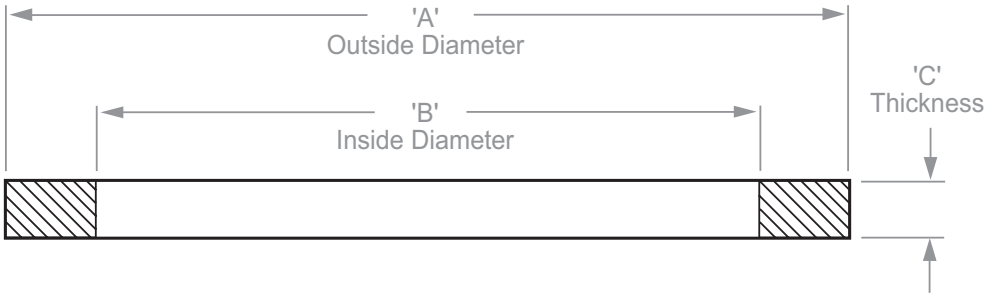
316 investment cast stainless steel

brass

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

B

Cam & Groove Gasket Dimensions



Features

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

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

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

Cam & Groove Gasket Color Codes

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

[1] Part number suffix

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

nitrile rubber

FKM

FKM-A

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

extra thick nitrile rubber

ethylene propylene

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

[1] White neoprene gaskets contain FDA approved materials

neoprene

white neoprene

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

[1] White nitrile rubber gaskets contain FDA approved materials

white nitrile rubber

silicone

B

Fuel Gaskets

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

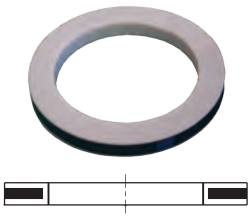
Cam & Groove Envelope Gaskets

Feature

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

Approval

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



envelope

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

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

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

Cam & Groove Encapsulated Gaskets

Specifications

- Encapsulated gasket pressure ratings: see chart on page 26 for crimp pressure ratings
- PTFE (FEP) encapsulated FKM (TEV) gaskets – maximum operating temperature: **284°F** (**140°C**)
- PTFE (FEP) encapsulated silicone (TES) gaskets – maximum operating temperature: **400°F** (**205°C**)
- Maximum operating temperatures for specific chemicals may be lower; contact Dixon® or the chemical vendor for specific recommendations

Approval

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

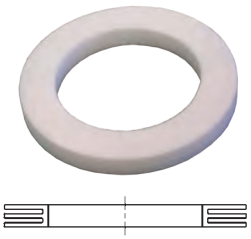
encapsulated

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

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



accordion

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.

B

Witches Hat Strainers

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

Size	304 Stainless Steel Part #
2"	WH200-A
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

Clip for Boss-Lock Couplings

Feature
- .072 stainless steel wire

Stainless Steel Part #
AC7

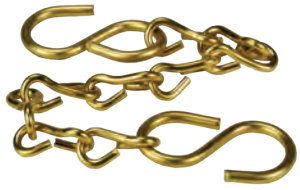
Clip Assembly

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

Carbon Steel 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)**

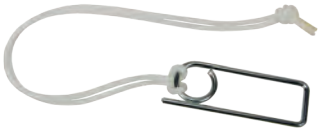
Length	Used On	Part #
12"	fits up to 1-1/2" coupler	CVS12
18"	fits up to 3" coupler	CVS18
24"	fits up to 5" coupler	CVS24
36"	fits up to 8" coupler	CVS36

coupler sold separately

B

Lanyards with Clip for Boss-Lock Couplings

ACL2



ACL3

Materials
- Clip: carbon steel
- Lanyard: nylon

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

PVC Coated Lanyards

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

Material
- PVC coated carbon steel with aluminum crimp sleeves

Length	Part #
15"	CAL15
25"	CAL25

Lanyard for Boss-Lock Couplings

Feature
- Breaking strength: 160 lbs.

Overall Length	304 Stainless Part #
7"	LR7

Global Type A Adapters

Adapter and Female NPT

Features

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

Size	A383Cast Aluminum Part #	ASTM C38000 Forged Brass Part #
1/2"	G50-A-AL[1]	G50-A-BR[1]
3/4"	G75-A-AL	G75-A-BR
1"	G100-A-AL	G100-A-BR
1-1/4"	G125-A-AL	G125-A-BR
1-1/2"	G150-A-AL	G150-A-BR
2"	G200-A-AL	G200-A-BR
2-1/2"	G250-A-AL	G250-A-BR
3"	G300-A-AL	G300-A-BR
4"	G400-A-AL	G400-A-BR
5"	G500-A-AL[1]	G500-A-BR[1]
6"	G600-A-AL	---
8"	G800-A-AL[1]	---

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

ASTMC38000 forged brass

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

B

Global Type B Couplers

Coupler and Male NPT

Features

- Interchanges with all products produced to A-A-59326E
- Nitrile rubber seals standard, other gaskets available on pages 68-71

A383 cast aluminum

Size	A383 Cast Aluminum with Brass Handles Part #	ASTM C38000 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 #	A383 Cast 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 and Hose Shank

B

Features

- Interchanges with all products produced to A-A-59326E
- Nitrile rubber seals are standard, other gaskets available on pages 68-71

Size	A383 Cast Aluminum with Brass Handles Part #	ASTM C38000 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 #	A383 Cast Aluminum with Investment Stainless Handles Part #
1/2"	G50-C-SS[1]	---
3/4"	G75-C-SS	---
1"	G100-C-SS	---
1-1/4"	G125-C-SS	---
1-1/2"	G150-C-SS	G150-C-ALSI
2"	G200-C-SS	G200-C-ALSI
2-1/2"	G250-C-SS	---
3"	G300-C-SS	G300-C-ALSI
4"	G400-C-SS	G400-C-ALSI
6"	G600-C-SS	---

316 investment cast stainless steel

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

[2] Supplied with stainless steel handles

NOTE: See page 8 for Global Crimp Type C couplers

B

Global Type D Couplers

Coupler and Female NPT

Features

- Interchanges with all products produced to A-A-59326E
- Nitrile rubber seals are standard, other gaskets available on pages 68-71

316 investment cast stainless steel

Size	A383 Cast Aluminum with Brass Handles Part #	ASTM C38000 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 #	A383 Cast Aluminum with Investment Stainless Handles Part #
1/2"	G50-D-SS[1]	---
3/4"	G75-D-SS	---
1"	G100-D-SS	---
1-1/4"	G125-D-SS	---
1-1/2"	G150-D-SS	G150-D-ALSI
2"	G200-D-SS	G200-D-ALSI
2-1/2"	G250-D-SS	---
3"	G300-D-SS	G300-D-ALSI
4"	G400-D-SS	G400-D-ALSI
6"	G600-D-SS	---

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

[2] Stainless steel handles

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110 YEARS OF UNCOMMON EXCELLENCE®

Value Proposition

Dixon is committed to **delighting our customers** by being the easiest company they do business with every day.

B

Global Type E Adapters

Adapter and Hose Shank

Features

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

Size	A383 Cast Aluminum Part #	ASTM C38000 Forged Brass Part #	316 Investment Cast Stainless Steel Part #
1/2"	G50-E-AL[1]	G50-E-BR[1]	G50-E-SS[1]
3/4"	G75-E-AL	G75-E-BR	G75-E-SS
1"	G100-E-AL	G100-E-BR	G100-E-SS
1-1/4"	G125-E-AL	G125-E-BR	G125-E-SS
1-1/2"	G150-E-AL	G150-E-BR	G150-E-SS
2"	G200-E-AL	G200-E-BR	G200-E-SS
2-1/2"	G250-E-AL	G250-E-BR	G250-E-SS
3"	G300-E-AL	G300-E-BR	G300-E-SS
4"	G400-E-AL	G400-E-BR	G400-E-SS
5"	G500-E-AL[1]	G500-E-BR[1]	---
6"	G600-E-AL	---	G600-E-SS
8"	G800-E-AL[1]	---	---

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

A383 cast aluminum

Global Type F Adapters

Adapter and Male NPT

Features

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

Size	A383 Cast Aluminum Part #	ASTM C38000 Forged Brass Part #	316 Investment Cast Stainless Steel Part #
1/2"	G50-F-AL[1]	G50-F-BR[1]	G50-F-SS[1]
3/4"	G75-F-AL	G75-F-BR	G75-F-SS
1"	G100-F-AL	G100-F-BR	G100-F-SS
1-1/4"	G125-F-AL	G125-F-BR	G125-F-SS
1-1/4"	G150-F-AL	G150-F-BR	G150-F-SS
2"	G200-F-AL	G200-F-BR	G200-F-SS
2-1/2"	G250-F-AL	G250-F-BR	G250-F-SS
3"	G300-F-AL	G300-F-BR	G300-F-SS
4"	G400-F-AL	G400-F-BR	G400-F-SS
5"	G500-F-AL[1]	G500-F-BR[1]	---
6"	G600-F-AL	---	G600-F-SS

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

ASTMC38000 forged brass

B

Global Type DC Dust Caps

Features

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

A383 cast aluminum

Size	A383 Cast Aluminum with Brass Handles Part #	ASTM C38000 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 #	A383 Cast 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-59326E
- Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons

A383 cast aluminum

Size	A383 Cast Aluminum Part #	ASTM C38000 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.

B

Global Type DA Jump Size Couplings

Coupler and Adapter

Features
- Interchanges with all products produced to A-A-59326E
- Nitrile rubber seals standard, other gaskets available on pages 68-71
- Pressure rating for adapters is based on the seal of the mating part

Size	A383 Cast Aluminum Part #	316 Investment Cast Stainless Steel Part #
2" x 1-1/2"	G2015-DA-AL	---
2" x 3"	G2030-DA-AL	
3" x 2"	G3020-DA-AL	G3020-DA-SS
3" x 4"	G3040-DA-AL	---
4" x 2"	G4020-DA-AL	
4" x 3"	G4030-DA-AL	G4030-DA-SS
4" x 6"	G4060-DA-AL	---
5" x 4"	G5040-DA-AL	
6" X 4"	G6040-DA-AL	

A383 cast aluminum

Global Type AA Spool Adapters

Adapter and Adapter

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

Size	A383 Cast 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
4" x 6"	G4060-AA-AL	---

A383 cast aluminum

A383 cast aluminum

Global Type DD Couplers

Coupler and Coupler

Features
- Interchanges with all products produced to A-A-59326E
- Nitrile rubber seals standard, other gaskets available on pages 68-71

Size	A383 Cast Aluminum Part #	316 Investment Cast Stainless Steel Part #
2"	G200-DD-AL	G200-DD-SS
2" x 3"	G2030-DD-AL	---
3"	G300-DD-AL	G300-DD-SS
3" x 4"	G3040-DD-AL	---
4"	G400-DD-AL	G400-DD-SS

A383 cast aluminum

B

Global Type A Jump Size Adapters

Adapter and Female NPT

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

Size	A383 Cast Aluminum Part #
2" x 3"	G2030-A-AL
3" x 2"	G3020-A-AL
3" x 4"	G3040-A-AL
4" x 3"	G4030-A-AL

Global Type C Jump Size Couplers

Coupler and Hose shank

Features
- Interchanges with all products produced to A-A-59326E
- Nitrile rubber seals standard, other gaskets available on pages 68-71

Size	A383 Cast Aluminum Part #
3" x 2"	G3020-C-AL
4" x 3"	G4030-C-AL

Global Type E Jump Size Adapters

Adapter and Hose Shank

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

Size	A383 Cast 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 and TTMA Flange

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

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

Global Coupler and TTMA Flange

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

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

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

B

Global Adapter and ANSI Flange

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

Global Coupler and ANSI Flange

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

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-59326E
- Pressure rating for adapters is based on the seal of the mating part
- Couplers: nitrile rubber seal is standard, others available on pages 68-71

Type A – Adapter and Female BSPP

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

Type B – Coupler and Male BSPT

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

Type D – Coupler and Female BSPP

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

Type F – Adapter and Male BSPT

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

Cam & Groove and NST

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

Type A and 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 and 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 and 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 and Male NST (NH)

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

B

Type A Adapters

Adapter and Female NPT

Features

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

Specification

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

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

Type B Couplers

Coupler and 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 and 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 and 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

B

Type E Adapters

Adapter and Hose Shank

Features

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

Specification

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

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

Type F Adapters

Adapter and 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 and 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 and 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 and 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 and 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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Bayloc® Dry Disconnects

Coupler and 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 and Female NPT

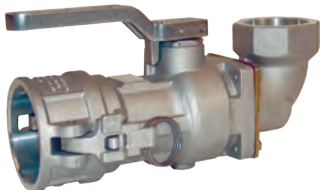
Female NPT	Coupler Size	Seal Material	Stainless Steel[1] Part #
1-1/2"	2"	PTFE Encapsulated FKM & FFKM	DBC77-150-GL
2"	2-1/2"		DBC77-200-GL

[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 and 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.

C

Bayloc® Dry Disconnects

Adapter and Female NPT

Applications

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

Features

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

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

Adapter x 3" Female NPT

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

Jump Size Adapter and 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 and 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 and Female NPSM

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

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

NOTE: Reference page 80 for dust caps for adapters

C

Cam & Groove Actuator 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 poppet 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 & groove dust plugs sized one size larger than the dry disconnect size
- Helps prevent 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

C

Bayonet 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. Once connected and the valve is opened, the coupling cannot 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 and 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 and Female NPT

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

Keyed Straight Coupler and Female NPT

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

Straight Swivel Coupler and 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 and Female NPT

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

Straight Swivel

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

Bayonet 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. Once connected and the valve is opened, the coupling cannot 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 and Female NPT

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

Adapter and TTMA Flange

Size	Seal Material	Stainless Steel Part #
2"	Nitrile rubber	BAF31-200
	FKM	BAF32-200

Keyed Adapter and 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

C

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 rubber
  - Kalrez®
  - Chemraz®

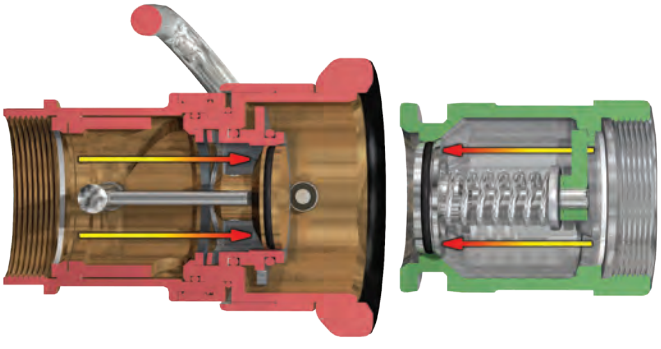
Specifications

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

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

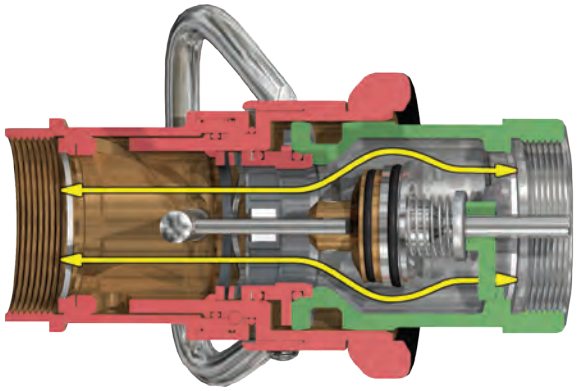
How it Works

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



Closed

- Turn and pull
  It's released – no spillage



Open

- Push and turn
  It's coupled – full flow

C

Dixon® MannTek Dry Disconnect Couplers – Hose Unit

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

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

Coupler and Female NPT

3/4" and 1"

1-1/2"

2"

3"

4"

6"

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

[1] Produced to U.S. government bronze specification G
[2] Has double handles

Coupler and 150# ASA Flange

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

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

2"

3"

Coupler and 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.

C

Dixon® MannTek Dry Disconnect Adapters – Tank Unit

Application
- Designed for the quick and spill free connection and disconnection of hoses and pipelines
- Usually installed on the tank or manifold

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

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

Adapter and 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 and 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 and 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.

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.

C

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 and Female NPT

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

DDSC100SS

2DDSC200SS

Adapter and 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

DDSA100SS

WARNING: Misuse of this product can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been tested and approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

WARNING: Worn-out hose couplings can be dangerous. Coupling users should be trained in proper use, application, and the use of safety devices where indicated. Training should also include how to inspect for wear, so couplings are replaced when needed.

C

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 and Female NPT

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

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 and Female NPT

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

Adapter and 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 and 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.

Dixon® MannTek Dry Aviation Couplers – Hose Unit

Application
- Designed for use in aviation and military refueling systems. This coupling is not configured for under wing refueling. All units can also be used as bottom loading or primary points refueling vehicles

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/NATO STANAG 3105/British Aerospace Spec. 2C14, they are not configured for under-wing refueling
- Gunmetal coupling ring minimizes the risk of seizure
- Riveted piston pin minimizes risk of failure under extreme pressure conditions
- Protective ring is a specially formulated weather resistant and electrically conductive rubber compound

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

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

Coupler and Female NPT

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

Coupler and 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.

C

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 and Female NPT

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

Adapter and 150# ASA Flange

Size	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.

C

Dixon® MannTek Safety Breakaway 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. Release by inline pull only
- 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 and 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 and Male NPT

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

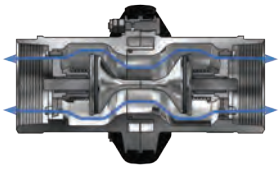
150# Flange and 150 Flange

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.

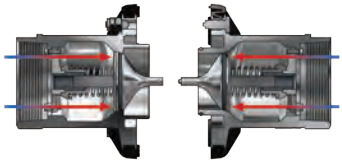
How it Works

Safety breakaway 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 breakaway coupling reacts in a natural way to the reduction of the hose break forces.



BEFORE emergency disconnect

The safety breakaway valve consists of two halves, each with a valve that has a O-ring seal.



AFTER emergency disconnect

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

C

Dixon® MannTek Safety Breakaway 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. Release with a tensile force being applied at an angle to the plane of the coupling housing up to 90 degrees
- 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 and 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 and 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 and 150# Flange

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

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

SBC400ALTTMA

SBC400ALTTMASV

TTMA Flanged Breakaway Coupling

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

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

Size	Length	Aluminum Part #
4"	9.40"	SBC400ALTTMA
	12.12"	SBC400ALTTMASV
	6.93"	SBC400ALTTMACP

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

C

Dixon® MannTek Cryogenic Safety Breakaways

Application
- Container discharge, fuel bunkering, loading/unloading of tank trucks, rail cars, ships, bunkering and tank vessels, vapor recovery lines. Suitable for cryogenic liquified gases, such as LNG, nitrogen, oxygen, argon, and ethylene.

Material
- Seals: PTFE

Specifications
- **360 PSI** maximum
- Temperature rating: **-328°F (-200°C)** minimum

Features
- Operates independently of shut-off safety system and does not require an external power source
- Lightweight, easy to reset and repair on site with one person
- High flow rate/low pressure drop
- Positive shut-off of both coupling halves results in minimum product loss
- Passive security where a hose or loading arm could be subjected to inadvertent excessive loads
- Can be installed at fixed points or in the middle of hose strings; no loose components that could be lost after release
- Available connections: female NPT, ANSI/EN1092 (DIN) flanges

Female NPT and Female NPT

Size	316 Stainless Steel Part #
1"	CRYSBC100SS
2"	CRYSBC200SS
3"	CRYSBC300SS
4"	CRYSBC400SS

150# Flange and 150# Flange

Size	316 Stainless Steel Part #
2"	CRYSBC200SSFL
3"	CRYSBC300SSFL

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C

Dixon® MannTek Cryogenic Dry Disconnects – Hose Unit

Application
- Container discharge, fuel bunkering, loading/unloading of tank trucks, rail cars, ships, bunkering and tank vessels, vapor recovery lines. Suitable for cryogenic liquified gases, such as LNG, nitrogen, oxygen, argon, and ethylene.

Material
- Seals: PTFE

Specifications
- 1 to 4" **360 PSI** maximum, 6" **230 PSI** maximum
- Temperature rating: **-328°F (-200°C)** minimum
- Conforms to ISO/DTS 18683 dimensioned for dry disconnects used for bunkering

Features
- Single action operation uses a straightforward turning motion to connect the couplings and open the flow path
- Safe and reliable: valve cannot be opened until the unit is coupled and it closes automatically when disconnecting, eliminating spills
- Used with a wide range of cryogenic liquefied gases without the risk of cross connection due to human error
- Over 6,000 LNG fuel bunkering operations since 2013, Used for receiving and storing liquid oxygen, liquid hydrogen, and LNG for rocket and engine testing
- A quick and safe connection of hoses and loading arms under pressure and with minimized product loss

Female NPT

Size	316 Stainless Steel Part #
2"	CRYDDC200SS
3"	CRYDDC300SS
4"	CRYDDC400SS
6"	CRYDDC600SS

150# Flange

Size	316 Stainless Steel Part #
2"	CRYDDC200SSFL
3"	CRYDDC300SSFL
4"	CRYDDC400SSFL
6"	CRYDDC600SSFL

Dixon® MannTek Cryogenic Dry Disconnects Adapters – Tank Unit

Female NPT

Size	316 Stainless Steel Part #
3"	CRYDDA300SS
4"	CRYDDA400SS

150# Flange

Size	316 Stainless Steel Part #
2"	CRYDDA200SSFL
3"	CRYDDA300SSFL
4"	CRYDDA400SSFL
6"	CRYDDA600SSFL

Cryogenic Dry Disconnect Plugs

Size	Composite Part #
1-1/2" to 2"	CRYDDDP200
3"	CRYDDDP300

C

Liquid Natural Gas Couplings

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

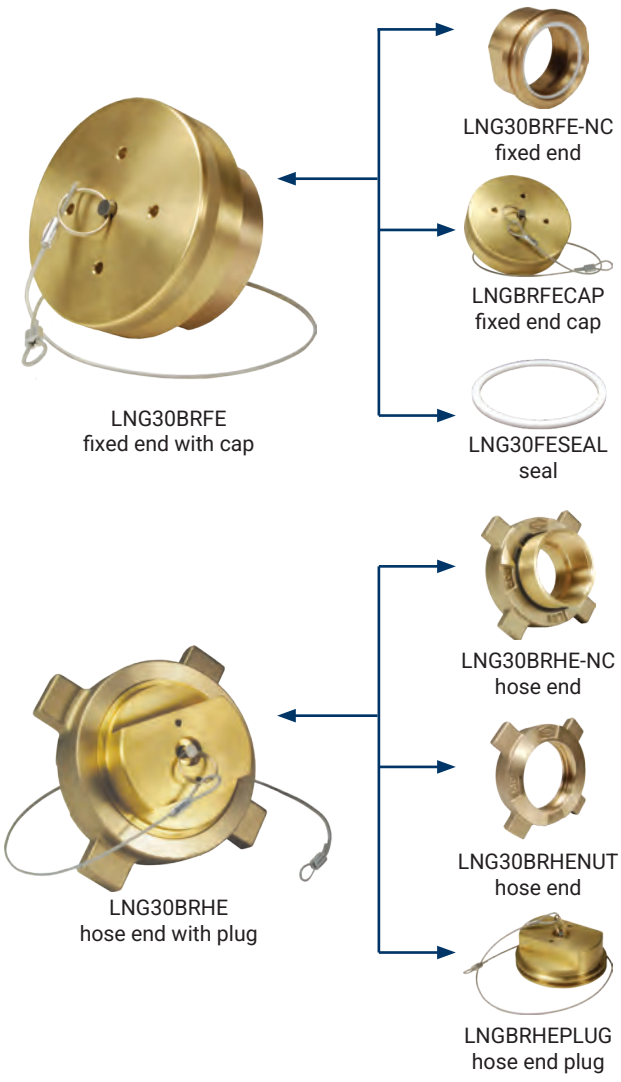
Sizes
- 2", 3"

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

Materials
- Body: brass
- Seal: PTFE

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

Approval
- Meets CGA V-6 LNG-30 guidelines



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

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

C

LNG Fill Line Nozzle

Application
- For refueling of heavy vehicles

Materials
- Body: stainless steel and brass alloy components
- Seals: PTFE

Specifications
- Flow Rate: **50 GPM**
- Max PSI: **490 PSI**
- Temperature range: **-320°F** to **185°F** **(-195°C** to **85°C)**

Part #	Description
LNGN16	1 5/16”-12 Male JIC fill line connection with swivel function

LNG Vent Coupling

Application
- Vent coupling for overpressure regulation in the LNG tank of heavy vehicles, especially trucks, to enable refueling

Materials
- Body: stainless steel construction
- Seals: PTFE

Specifications
- Flow rate: **10 GPM**
- Max PSI: **490 PSI**
- Temperature range: **-320°F** to **185°F** **(-195°C** to **85°C)**

Part #	Description
LNGVC10	7/8”-14 male JIC connection to vent line

LNG Safety Breakaways

LNGSBCVL10X25

LNGSBCVL10X75

LNGSBCFL16X25

LNGSBCFL16X16

Application
- Protects LNG dispensers from drive-away incidents by separating and stopping the flow

Feature
- Separation in axial and angular direction (up to 90°) at a pull force of 7kN

Materials
- Body: stainless steel body and internals
- Seals: PTFE

Specifications
- Flow Rate: **50 GPM**
- Max PSI: **490 PSI**
- Temperature range: **-320°F** to **185°F** **(-195°C** to **85°C)**

Vent Line Connections

Part #	Description
LNGSBCVL10X25	7/8”-14 male JIC X DN25 flange
LNGSBCVL10X75	7/8”-14 male JIC X 3/4” male NPT

Fill Line Connections

Part #	Description
LNGSBCFL16X25	1-5/16”-12 male JIC X DN25 flange
LNGSBCFL16X16	1-5/16”-12 male JIC X 1” male NPT

C

CNG-Series Gas Couplings

Applications
- Used to facilitate the large volume transfer of high-pressure compressed natural gas (CNG) for applications such as virtual CNG pipelines, mining, oil exploration, well site development, and remote location natural gas delivery

Size
- 1”

Features
- Meets CNG service requirements
- Improved body and valve design provides a 30% increased flow performance over standard ISO-B designs
- Latch mechanism provides brinelling resistance
- Locking sleeve design prevents accidental disconnection
- Captured valve O-ring for reliability in high-flow conditions
- CNG plugs supplied with combination dust cap/plug
- Non-sparking material
- Full CRN approval

Material
- 303 stainless steel

Specifications
- Designed to ISO7241-B Series profile
- **5,000 PSI** maximum working pressure

Interchange Data
- Interchangeable with Oasis 300-Series
- Interchangeable with Eclipse VQ-Series

Body Size	Threads	303 Stainless Steel Part #	Coupler/Plug
1"	1” – 11-1/2 NPTF	8CNGF8-S	Coupler x F-NPTF
	1” – 11-1/2 NPTF	CNG8F8-S	Plug x F-NPTF
	1-5/16” – 12 ORB	8CNGOM8-S	Coupler x M-ORB
	1-5/16" – 12 ORB	CNG8OM8-S	Plug x M-ORB

CNG-Series Seal and Repair Kits

Body Size	Part #	Coupler Material	Seal Material	Repair Kit Contents (For one coupler or plug)
1"	8CNG-SKIT-V2	303 SS	FKM	back-up ring, body O-rings
	8CNG-SRKIT-V2	303 SS	FKM	socket valve assembly, retaining ring, valve spring, valve guide, and all required O-rings
	CNG8-SRKIT-V2	303 SS	FKM	socket valve assembly, retaining ring, valve spring, valve guide, and all required O-rings

C

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	---

FloMAX Diesel Fueling System

Application

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

Diesel Fuel Nozzles

Features

- 1-1/2" female NPT
- 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

Specifications

- Ball lock can flow over **180 GPM** with a 1-1/2" hose and over **211 GPM** with a 2" feed hose and a high-pressure nozzle shutoff
- Dog lock can flow up to **180 GPM** with an 1-1/2" hose and over **211 GPM** with a 2" feed hose and a high-pressure nozzle shutoff
- Working pressure: **125 PSI**
- Standard shutoff set at **8.0 PSI**

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

Diesel Exhaust Fliud (DEF) Automatic Shutoff Nozzle

Application

- Diesel Exhaust Fluid (DEF) systems

Material

- Stainless steel

Features

- 1" female FNPT
- Self-sealing valves
- Air exposure control

Description	Part #
DEF automatic shuttoff nozzle	DEFN100

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

C

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

Specifications
- Working pressure: **125 PSI**
- **180 GPM**
- Standard shutoff set at **8.0 PSI**

Description	Part #
ball lock fuel nozzle	FN600BL-NI

Non-Interchange Diesel Fuel Receiver

Application
- Used in biodiesel fueling

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

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

2" High-Volume Diesel Fueling System

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

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

Specifications
- Working pressure: **125 PSI**
- Standard shutoff set at **8.0 PSI**

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	FRXCAP

FloMAX Diesel Fuel Gravity Fill Receivers

Features
- Used with the FN600 or FN600BL to convert to gravity fueling
- Allows transfer of fluid without using a standard fuel receiver
- Fits standard 1-1/2” fuel receivers

Size	Description	Part #
1-1/2"	straight	GFR-0
	45°	GFR-45
	90°	GFR-90
1"	straight	GFR1-0
	45°	GFR1-45
	90°	GFR1-90

GFR-0

GFR-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

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

VT

VTT

FloMAX High-Flow Fuel Vents

Features
- 7" tubes are available, contact Dixon® for more information
- Rotatable vent top is available
- Capable of handling **400 GPM** fluid flows
- Fits standard 2" NPT openings

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

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

FNS – standard

FNSID – double

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

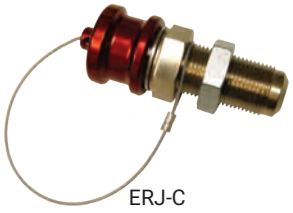
Engine Oil Nozzles

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
- Maximum working pressure: **500 PSI**
- **50 GPM**

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

Engine Oil Receivers

ERS-C



ERJ-C

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

Coolant Fluid Nozzles

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

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

Coolant Fluid Receivers

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

C

FloMAX Standard-Series Connectors

Hydraulic Oil Nozzles

Features
- Bright gold
- 10 steel dog latching mechanism
- Ergonomically engineered pullbacks and caps
- Fits all industry standard connectors

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
- Fits all industry standard connectors

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
- Fits all industry R-Series connectors

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

C

FloMAX R-Series Connectors

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

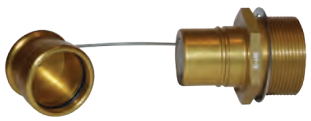
Male Thread	Female Thread	Description	Anodized Aluminum Part #
1.187-12 UN-2A	.875-14 UN-2B	R-Series coolant receiver	R-CR
		R-Series coolant receiver with cap	R-CR-C
---	---	R-Series coolant receiver cap	R-CR-CAP

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

C

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
- Flow rate: **50 GPM** of flow at about **40 PSI**
- Working pressure rating: **500 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 3.92" (99.5 mm), receiver 3.40" (86 mm)
- Nozzle and receiver coupled length: 5.35" (136 mm)
- Diameter: 2.50" (64 mm)
- Hex size: 2" (51 mm)

Specifications
- Working pressure: **500 PSI** with burst pressure: **1500 PSI**
- Flow rate: **113 GPM** of flow at about **30 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
	brown 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
	brown receiver with cap	HFR-C6
	blue/gray receiver with cap	HFR-C7

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 and 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 and 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 and 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

TETF4AL

TETFG4AL

Size	Description	Aluminum Part #
4"	TTMA flange extension	TETF4AL
	TTMA flange extension with groove	TETFG4AL
	TTMA flange extension with 1/2" female NPT port	TETF4ALFP50

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

Cam & Groove Adapter and 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 #
3"	300-ALT-AL	300-ALT-SS
3" x 4"	3040ALTAL	---
4"	400-ALT-AL	400-ALT-SS[1]
6"	600-ALT-AL	---

[1] Part is produced as a welded fabrication

Cam & Groove Coupler and 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 and TTMA Flange

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

Size	356T6 Aluminum Part #
3"	30022ALTAL
4"	40022ALTAL

Cam & Groove 22-1/2° Coupler and TTMA Flange

Features
- Supplied standard with a nitrile rubber gasket, other gaskets available on pages 68 - 71
- Use Dixon replacement handles only

Size	356T6 Aluminum Part #
4"	40022DLTAL

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

C

Dixon® Vapor Recovery Couplers

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 and Adapter

Coupler Size	Adapter Size	356T6 Aluminum Part #
4"	3"	4030-DAVR-AL

Coupler with Probe and Coupler with Probe

Coupler Size	Coupler Size	356T6 Aluminum Part #
4"	4"	400-DDVR-AL

VR4030CS-AL

Coupler with Probe and 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

Materials
- Cast aluminum body
- Arms : bronze
- Pins and finger rings: stainless steel
- Gasket: nitrile rubber

VRC3000AL

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

4030-CVR-AL

Repair Kits

Description	Part #
seal repair kit: gasket, machine screw and FKM O-ring	VR4040CSRK1
cam arm repair kit: paddle arm and cam arm pin	VR4040CSRK2

C

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 & groove or threaded flange option
- Not intended for liquid service; for vapor recovery only

VR4030CS-AL45

Materials
- Seal: nitrile rubber and FKM

Coupler Size	Description	Aluminum Part #
4"	4" coupler and 4" hose shank	VR4040CS-AL
	4" coupler and 3" 45° hose shank	VR4030CS-AL45
	4" coupler and 4" 45° hose shank	VR4040CS-AL45
	4" coupler and 4" 45° hose shank swivel	VR4040CS-ALS45
	4" coupler and 4" MNPT connection	VR4040CS-4MNPT
	4" coupler and 3" hose shank	VR4030CS-SH

VR4040CS-AL

Bayloc® Vapor Coupler with Locking Handle

Application
- For use in petroleum loading terminals

Materials
- Body: aluminum
- Seals: FKM

Specification
- Maximum operating pressure: **120 PSI**

Size	Part #
3"	DBC62LVPR-300

NOTE: Must be used with a 4100FNG series check valve

Repair Kits

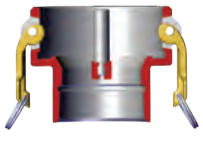
Description	Part #
handle kit	VRHK
compact handle kit	VRHK-C
seal repair kit	VR4040CSRK1
cam arm repair kit	VR4040CSRK2

VRHK

Coupler and 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 and TTMA Flange

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

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

C

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)
- Maximum flange bolt torque is 200 in-lb (inch pounds)
- For dimensional information on tank truck flange drilling, reference dixonvalve.com

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.

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TTMA Flange Gaskets

Size	O.D.	I.D.	Thick.	Material	Part #
2"	4-1/2"	2-5/8"	1/8"	Baylast™	200GTTFBL
3"	5-5/8"	3-1/2"	1/8"	Cork/nitrile rubber	300GTTFCB
	5-5/16"	3-1/4"	5/32"	PTFE envelope with Klinger filler	300GTTFTK
	5-5/8"	3-1/2"	1/8"	Klingersil® C-4300	300GTTFK
	5-29/32"	3-1/2"	3/32"	PTFE with fiber core	40321TF
	7-1/4"	5"	5/32"	PTFE with soft fiber core	40364TF
	7-1/4"	5"	1/8"	Baylast	40364BL
	5-5/8"	3-5/8"	1/8"	Baylast	300GTTFBL
4"	6-5/8"	4-9/16"	1/8"	Cork/nitrile rubber	400GTTFCB
	6-7/8"	4-5/16"	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.

TTMA Gasket Kits

TTMA PTFE Envelope Klinger® Gasket Kit

Features
• TTMA PTFE envelope Klinger® gasket with 3/8" bolts and self-locking nuts

Sizes
• 3"-4"

Size	Bolt Length	Part #
3"	1-1/2"	300GTTFTK-1508Z
	1-3/4"	300GTTFTK-1758Z
	2"	300GTTFTK-2008Z
	3"	300GTTFTK-3008Z
	3-1/2"	300GTTFTK-3508Z
4"	1-1/2"	400GTTFTK-1508Z
	1-3/4"	400GTTFTK-1758Z
	2"	400GTTFTK-2008Z
	3"	400GTTFTK-3008Z
	3-1/2"	400GTTFTK-3508Z

400GTTFTK-1758Z

400GTTFTK-3008Z

TTMA Baylast™ Gasket Kit

Features
• TTMA Baylast gasket with 3/8" bolts and self-locking nuts

Sizes
• 3"-4"

Size	Bolt Length	Part #
3"	1-1/2"	300GTTFBL-1508Z
	1-3/4"	300GTTFBL-1758Z
	2"	300GTTFBL-2008Z
	3"	300GTTFBL-3008Z
	3-1/2"	300GTTFBL-3508Z
4"	1-1/2"	400GTTFBL-1508Z
	1-3/4"	400GTTFBL-1758Z
	2"	400GTTFBL-2008Z
	3"	400GTTFBL-3008Z
	3-1/2"	400GTTFBL-3508Z

400GTTFBL-1758Z

400GTTFBL-3008Z

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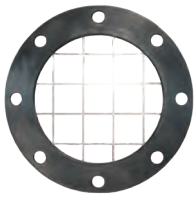
Sight Flow Indicator Repair Kits

5200-SFIV-RK1

Description	Used on	Part #
3" replacement sight glass, Baylast™ O-ring and retainer ring kit	---	5200-SFI-3-RK1
3" replacement sight glass, FKM O-ring and retainer ring kit	---	5200-SFI-3V-RK1
4" replacement sight glass, Baylast O-ring and retainer ring kit	---	5200-SFI-RK1
4" replacement sight glass, FKM O-ring and retainer ring kit	---	5200-SFIV-RK1
replacement Baylast O-rings, sight glass and retaining ring	5201-SFI	5201-SFI-RK1
Nitrile rubber O-ring	---	O249BU
plexiglass insert	---	4PSG
Nitrile rubber O-ring	---	O246BU

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.

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 129

Style A

Male Adapter	Swivel Nut	Elbow	316 Stainless Steel Part #	Aluminum Part #
3"	5"	120°	RTCA30	---
4"	5"	110°	RTCA40[1]	ATCA40

[1] Part is produced as a welded fabrication

NOTE: Stainless steel railroad tank car connections are not compatible with aluminum and brass.

Style F

110° elbow

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

TTMA Flange	Swivel Nut	Elbow	Aluminum Part #
4"	5"	110°	ATCF40[1]
	5"	90°	ATCF40-90

[1] Part is produced as a welded fabrication

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

C

Railroad Tank Car Connections

Style GF

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

TTMA Flange	Boss-lock Coupler	Elbow	Aluminum Part #
4"	4"	110°	ATCGF40
	4"	90°	ATCGF40-90

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

110° elbow

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 T

Male NPT	Swivel Nut	Elbow	Iron Part #	Aluminum Part #
3"	5"	120°	TCT30	ATCT30
4"	5"	110°	TCT40	ATCT40

Style T

Male NPT	Swivel Nut	Elbow	316 Stainless Steel Part #
3"	5"	120°	RTCT30
4"	5"	110°	RTCT40

NOTE: Components that make up these assemblies are not interchangeable between stainless steel and the other materials.

Dixon® Coupler and 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 and Coupler Tank Car Thread

Features
- Part is produced as a welded fabrication
- Pressure rating is based on the seal of the mating part, see ratings on page 20
- Use EZ Boss-Lock replacement handles only

Coupler	Male Tank Car Thread	Aluminum Part #
4"	5"	AD400ALEZMTC

C

Railroad Unloading Assemblies

Features
- Robust aluminum body construction
- Removable, easy-carry handle
- Safe and reliable – valves will not open unless fittings are properly connected
- Multiple configurations available; consult Dixon® for pricing and availability

Assembly with Dixon MannTek Dry Disconnect Adapter

Adapter Size	Swivel Nut Size	Aluminum Part #
4"	5"	ATC40ASSDDA

Assembly with API Adapter

Feature
- Stainless steel springs on the adapter and coupler for corrosion resistance

Adapter Size	Swivel Nut Size	Aluminum Part #
4"	5"	ATC40ASSAPI

Dixon® Tank Car Adapters

rocker lug

pin lug

Features
- Standard 5" Railroad Tank Car thread
- Supplied with a nitrile rubber gasket in the threaded end; see next page for more gaskets

Size	356T6 Aluminum Part #	Brass Part #	316 Stainless Steel Part #
2"	200-TCA-AL	---	200-TCA-SS
3"	300-TCA-AL	300-TCA-BR	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 126-127.

C

Railroad Tank Car Gaskets

Old Style

Feature
- For use with Dixon® fittings

Size	O.D.	I.D.	Thick	Leather Part #
5"	5-1/4"	3-1/2"	3/16"	G9

Standard

Feature
- For use with Dixon fittings

Size	O.D.	I.D.	Thick	Material	Part #
5"	5-1/4"	3-7/8"	1/8"	nitrile rubber	500GTCABU
	5-1/4"	3-7/8"	1/8"	FKM-A	500GTCAVI
	5-1/4"	3-7/8"	1/8"	fuel grade nitrile rubber	500GTCABF
	5-5/16"	3-7/8"	3/16"	FKM-A	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

Value Proposition

1916 DIXON 2026
110 YEARS OF UNCOMMON EXCELLENCE®

Dixon is committed to **delighting our customers** by being the easiest company they do business with every day.

C

Swivel Joints

Applications

- Used wherever a leak-proof swivel connection is needed in pipelines or in combination with hoses to eliminate hose twisting
- Industries range from petroleum, petrochemical, refining, mining, distilling, paint, farm irrigation and fertilizing, wastewater treatment plants, and food and beverage process equipment. Dixon® swivel joints are found in blending plants, drum filling applications, fluid and dry bulk transfer, vacuum trucks, oil and gas trucks, and water trucks. Larger swivels can be found in the steel industry, marine bulk transfer, and many more applications.

Features

- Full 360° rotational movement
- Wide spacer ball bearing raceways ensure 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
- 100% full penetration weld

Options Available

- Swivel joint types: O-Ring, V-Ring, Cap Seal, and Split Flange
- End configurations: female NPT, 150# flange, TTMA flange, grooved, weld end, and many other variations
- Seal options: nitrile rubber, FKM, PTFE, EPDM, FDA nitrile rubber, and others upon request
- Ball bearing materials: carbon steel, 440 stainless steel, and 316 stainless steel
- Grease materials: lithium, FDA approved/food grade, silicone, and others upon request
- Swivels that include oxygen, steam, or submerged service can be specifically designed for unique applications (special order)
- Re-build kits available
- High performance acrylic polyurethane paint
- Custom swivel options available; contact Dixon® at 888.226.4673

Swivel configurator available at dixonvalve.com

Typical Applications

A-Frame Loading Arm with Rigid Drop Pipe

Unsupported Boom Loading Arm

C

O-Ring Swivel Joints

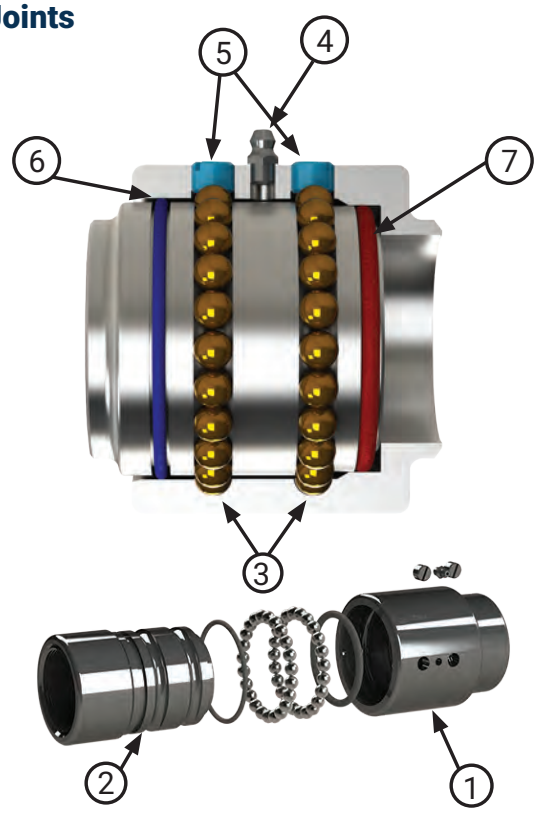
Application
- Commonly used in aluminum loading/unloading arm applications

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
- Available working pressure ratings up to **1,000 PSI**, based on material and end connections
- Available end connections include: 150 lb. and 300 lb. flanges, FNPT, MNPT, butt weld, TTMA, and others upon request
- End connections and materials offered may vary based on size, contact Dixon® for details

Materials
- Available materials include carbon steel, 316L stainless steel, aluminum, brass, and ductile iron

Bill of Materials
1. Body
2. Sleeve
3. Ball bearings
4. Grease fitting
5. Ball retainer screw
6. O-ring (dust seal)
7. O-ring (pressure seal)



V-Ring Swivel Joints

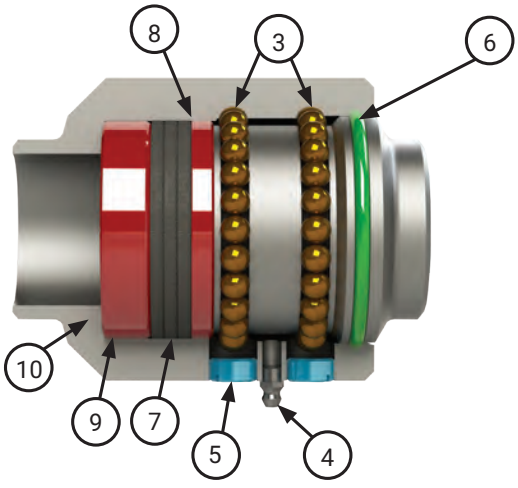
Applications
- V-ring, also known as chevron packing, is a multiple lip seal known for its reliability and long life
- The three V-ring seals are designed to seal even under misalignment caused by race wear from years of service. This design results in longer time between service periods, increased up-time efficiencies, and lower maintenance costs.

Sizes
- 2" - 14"

Features
- 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
- Available working pressure ratings up to **1,000 PSI**
- End connections and materials offered may vary based on size, contact Dixon for details

Materials
- Available materials include carbon steel, 316L stainless steel, and aluminum

Bill of Materials
1. Body
2. Sleeve
3. Ball bearings
4. Grease fitting
5. Ball retainer screw
6. O-ring (dust seal)
7. V-ring (pressure seal)
8. Seal retainer
9. Spring retainer
10. Springs



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Cap Seal Swivel Joints

Application
- Liquid media transfer lines in steel making plants, floating roof drains, and floating suction systems

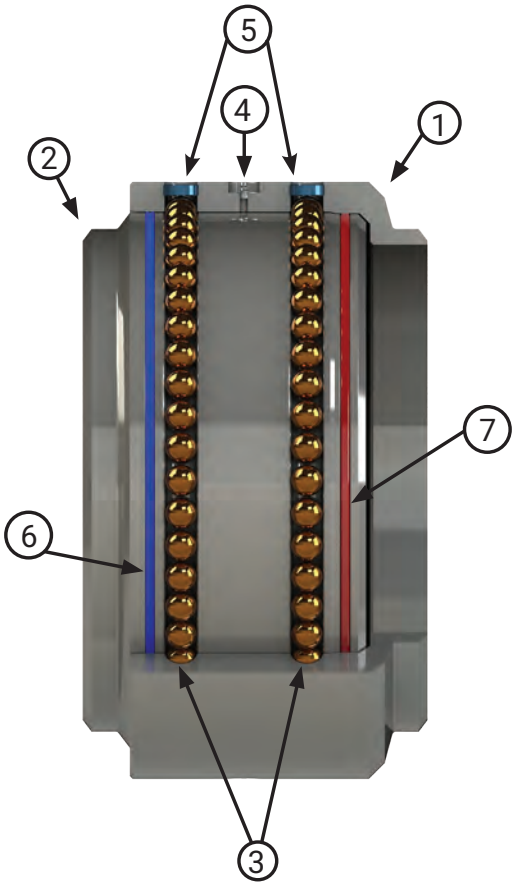
Sizes
- 14” – 24”

Features
- Pressure seal consists of a nitrile or FKM energizer with glass Moly filled PTFE outer cap seal allowing for a lower torque requirement to rotate
- Nitrile or FKM X-ring dust seal for additional reduction in required torque to rotate
- Triple ball-race design for 18” and larger
- Hardened ball races for increased load capacities of carbon steel swivels
- Available end connections include 150# and 300# flanges and weld ends. Contact Dixon® for more details

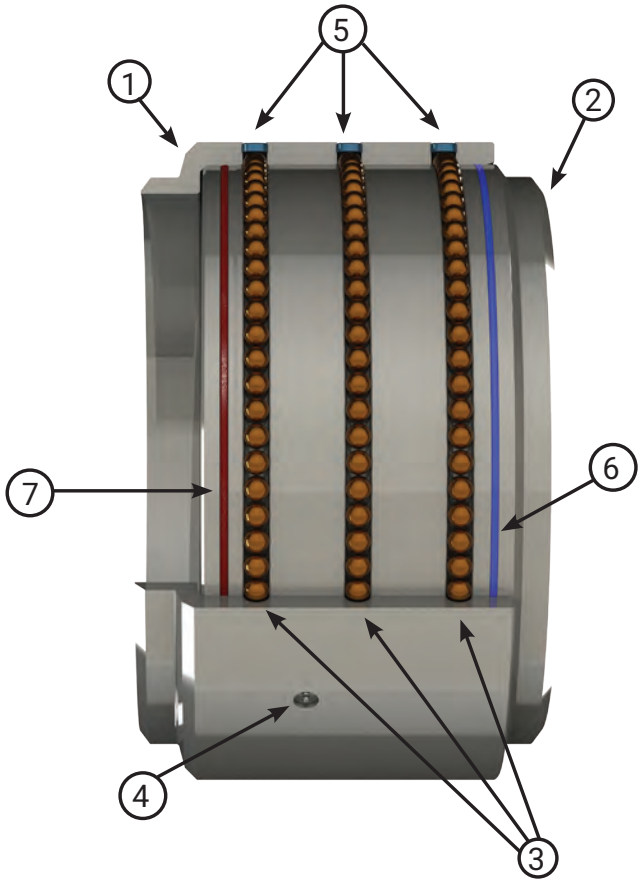
Materials
- Carbon steel and 316L stainless steel

Bill of Materials
1. Body
2. Sleeve
3. Ball bearings (14" - 16" = 2 ball races, 18" - 24" = 3 ball races)
4. Grease fitting
5. Ball retainer screw
6. Dust seal (X-ring)
7. Pressure seal (cap seal)

14" - 16"



18"-24"



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Cap Seal, O-Ring, and V-Ring Swivel Joint Numbering System

2	20	F x F			CS	0	0	2	0	0
Sizes Inches	**Style**	**End Connection**	**x**	**End Connection**	**Material**	**Pressure Seal**	**Dust Seal**	**Retainers**	**Ball Bearings**	**Grease**
1 = 1"	20	F (FNPT)	x	F (FNPT)	OC = O-ring carbon steel	0 = nitrile rubber	0 = nitrile rubber	0 = No retainer	0 = CS carbon steel	0 = lithium
125 = 1.25"	30	W (weld)	x	W (weld)	OS = O-ring 316 stainless steel	1 = FKM	1 = FKM		1 = 440 stainless steel	1 = food grade
150 = 1.5"	40	FG (150#)	x	FG (150#)	CS = V-ring carbon steel	2 = PTFE		2 = PTFE standard in all V-ring	2 = 316 stainless steel	2 = silicone
2 = 2"	50	PF (300#)	x	PF (300#)	SS = V-ring 316L stainless steel	3 = EPDM	3 = EPDM			3 = Tribolube
3 = 3"	60	TF (TTMA)	x	TF (TTMA)	AL = Aluminum	4 = FDA nitrile rubber	4 = FDA nitrile rubber			4 = low temperature
4 = 4"	70	BP (BSPP)	x	BP (BSPP)	MI = Ductile iron	5 = No seal	5 = No seal			5 = no grease
6 = 6"	80	BT (BSPT)	x	BT (BSPT)	BR = Brass	A = low temp FKM				
8 = 8"	10	M (MNPT)		M (MNPT)	UC = Cap Seal Carbon Steel					
10 = 10"		G (grooved end)		G (grooved end)	US = Cap Seal 316L Stainless Steel					
12 = 12" 14 = 14" 16 = 16" 18 = 18" 20 = 20" 24 = 24"										

NOTE: Other ends or seals are available upon request.
- Cap seal: 14" - 24"
- O-Ring: 1" - 4"
- V-Ring: 2" - 14"
- Brass (only O-ring): 1-1/2" - 3"
- Ductile iron (only O-ring): 1-1/2" - 4"
- Standard issue grease Zerk without check ball. Ask for check ball if required.

Swivel joint materials, including seal materials and grease, must be compatible with the application, media, and temperature to ensure optimal performance. In a case where the swivel is being used in a submerged service, this would include the dust seals and ball bearings. Dixon® always recommends 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, which may affect operation.

Swivel configurator available at dixonvalve.com

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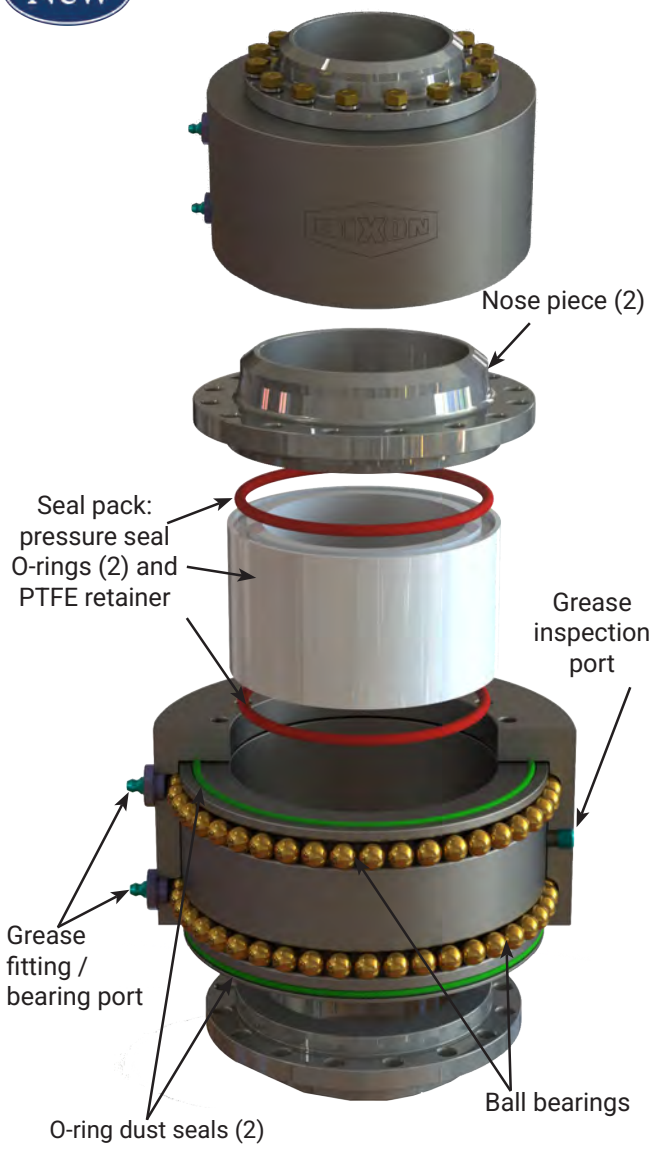
High Capacity Swivel Joints

New



Applications
- For use in industries from petroleum, steel producing, blending plants, petrochemical, refining, mining, distilling, paint plants, farm irrigation and fertilizing, wastewater treatment, food and beverage process equipment, marine, and many more
- Ideal for high moment load applications on loading arms

Sizes
- 2", 3", and 4"

Features
- Bearing pack design allows easy seal change without removing the ball bearings
- Simple maintenance: remove one nose piece, replace seal pack, and reinstall with little downtime
- In-stream seal separates the wetted area from the ball bearings, allowing for longer bearing pack life compared to conventional swivels
- Dual wide-set bearing race and high strength bolts for higher moment loads
- Compact design for low-profile applications
- Full penetration weld

Materials
- Bearing pack: through hardened forged high-carbon alloy
- Material contact surfaces: stainless steel, carbon steel nose pieces
- Seals: Baylast™, FKM, PTFE, and more upon request

Specifications
- Pressure rating: up to **1,000 PSI**
- Standard temperature range with Baylast™ seals is **-30°F** to **212°F (-34°C** to **100°C)**; contact factory for other temperature requirements

Available options
- Swivel end configurations: 150 lbs. and 300 lbs. flanges, FNPT, MNPT, butt weld, TTMA, and others upon request

High Capacity Swivel Joints Numbering System

HC	2	20	F	x	F	CS	1	1
High Capacity	Sizes Inches	Style	End Connection	x	End Connection	Nose Piece	Seal Material	Grease
HC	2 = 2"	20	F (FNPT)	x	F (FNPT)	CS carbon steel	0 = Baylast	0 = Standard
	3 = 3"	30	W (weld)	x	W (weld)	SS 316L stainless steel	1 = FKM	1 = Food grade
	4 = 4"	40	FG (150#)	x	FG (150#)		2 = PTFE	2 = Silicone
		50	PF (300#)	x	PF (300#)		3 = EPDM	3 = Tribolube
		60	TF (TTMA)	x	TF (TTMA)		4 = FDA nitrile rubber	4 = Low temperature
		70	BP (BSPP)	x	BP (BSPP)		A = low temp FKM	
		80	BT (BSPT)	x	BT (BSPT)			
		10	M (MNPT)		M (MNPT)			

High Capacity Split Flange Swivel Components

New

Bearing Packs

Feature
- Dual wide-set bearing race for higher moment loads

Materials
- Through hardened forged carbon steel
- Carbon steel ball bearings
- FKM dust seals

Size	Part #
2"	2HCBP
3"	3HCBP
4"	4HCBP

Nose Pieces

Features
- 2 required per bearing pack
- Sch 80 butt weld ends

Material
- Carbon steel and 316 stainless steel

Size	Carbon Steel Part #	316 Stainless Steel Part #
2"	2HCNPCS	2HCNPSS
3"	3HCNPCS	3HCNPSS
4"	4HCNPCS	4HCNPSS

Seal Kits

Features
- Kits contain: seals, PTFE retainer, carbon steel bolts, and lock washers
- 1 required per bearing pack

Size	Baylast™ Part #	FKM Part #	PTFE Part #	EPDM Part #	FDA Nitrile Rubber Part #
2"	2HCSK-BAYLAST	2HCSK-VI	2HCSK-TES	2HCSK-EP	2HCSK-FB
3"	3HCSK-BAYLAST	3HCSK-VI	3HCSK-TES	3HCSK-EP	3HCSK-FB
4"	4HCSK-BAYLAST	4HCSK-VI	4HCSK-TES	4HCSK-EP	4HCSK-FB

High Capacity Split Flange Style 20 – Weld x Weld

High Capacity Split Flange Style 20 – 150# Flange x 150# Flange

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"	HC220WXWCS00[1]	HC220WXWCS10[1]	HC220FGXFGCS00	HC220FGXFGCS10
3"	HC320WXWCS00[1]	HC320WXWCS10[1]	HC320FGXFGCS00	HC320FGXFGCS10
4"	HC420WXWCS00[1]	HC420WXWCS10[1]	HC420FGXFGCS00	HC420FGXFGCS10

[1] Remove nose piece prior to welding. Reinstall when welding is complete and parts have had sufficient time to cool.

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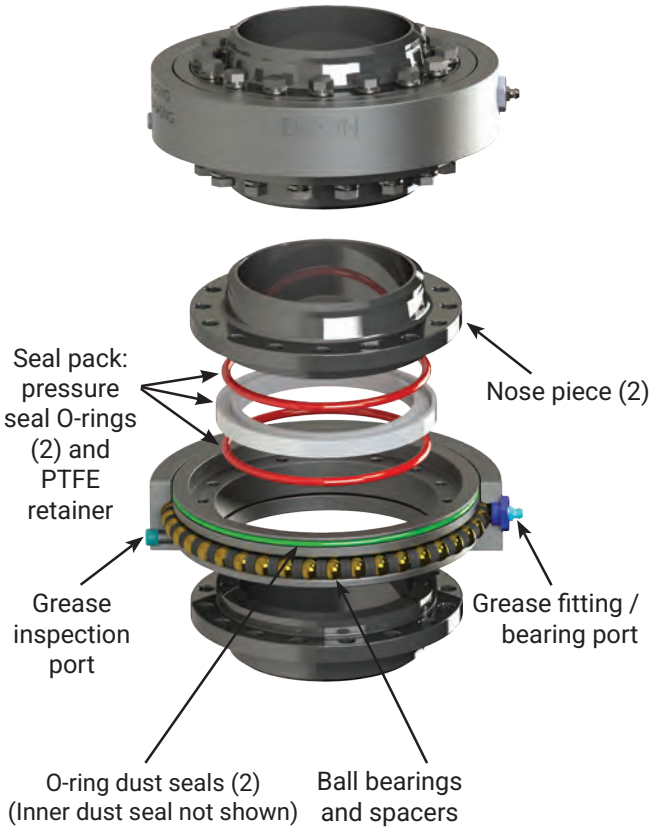
Split Flange Swivels



Applications
- For use in industries from petroleum, blending plants, petrochemical, refining, mining, distilling, paint plants, farm irrigation and fertilizing, wastewater treatment, food and beverage process equipment, marine, and many more

Sizes
- 2", 3", and 4"

Features
- Bearing pack design allows easy seal change without removing the ball bearings
- Simple maintenance: remove one nose piece, replace seal pack, and reinstall with little downtime
- In-stream seal separates the wetted area from the ball bearings, allowing for longer bearing pack life compared to conventional swivels
- Wide-set bearing race for higher moment loads
- Compact design for low-profile applications
- Full penetration weld

Materials
- Bearing pack: through hardened forged high-carbon alloy
- Material contact surfaces: stainless steel, carbon steel, or aluminum nose pieces
- Seals: FKM-A, PTFE, and more upon request

Specifications
- Pressure rating: up to **600 PSI**
- Standard temperature range with Baylast seals is **-30°F** to **212°F (-34°C** to **100°C)**; contact factory for other temperature requirements

Available options
- Swivel end configurations: 150 lbs. and 300 lbs. flanges, FNPT, MNPT, butt weld, TTMA, and others upon request

Split Flange Swivel Joint Numbering System

SF	2	20	F	x	F	CS	1	1
Split Flange	Sizes Inches	Style	End Connection	x	End Connection	Nose Piece	Seal Material	Grease
SF	2 = 2"	20	F (FNPT)	x	F (FNPT)	CS carbon steel	0 = Baylast™	0 = Standard
	3 = 3"	30	W (weld)	x	W (weld)	SS 316L stainless steel	1 = FKM	1 = Food grade
	4 = 4"	40	FG (150#)	x	FG (150#)	AL - Aluminum	2 = PTFE	2 = Silicone
		50	PF (300#)	x	PF (300#)		3 = EPDM	3 = Tribolube
		60	TF (TTMA)	x	TF (TTMA)		4 = FDA nitrile rubber	4 = Low temperature
		70	BP (BSPP)	x	BP (BSPP)		A = low temp FKM	
		80	BT (BSPT)	x	BT (BSPT)			
		10	M (MNPT)		M (MNPT)			

NOTE: Other ends or seals are available upon request.

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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	Aluminum Part #	Carbon Steel Part #	316 Stainless Steel Part #
2"	2SFNPAL	2SFNPCS	2SFNPSS
3"	3SFNPAL	3SFNPCS	3SFNPSS
4"	4SFNPAL	4SFNPCS	4SFNPSS

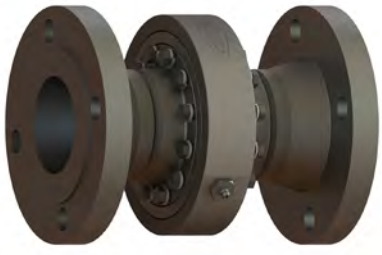
Seal Kits

Features
- Kits contains: seal, PTFE retainer, carbon steel bolts
- 1 required per bearing pack

Size	Baylast™ Part #	FKM Part #	PTFE Part #
2"	2SFSK-BAYLAST	2SFSK-VI	2SFSK-TES
3"	3SFSK-BAYLAST	3SFSK-VI	3SFSK-TES
4"	4SFSK-BAYLAST	4SFSK-VI	4SFSK-TES

Split Flange Style 20 Weld x Weld

Split Flange Style 20 150# Flange x 150# Flange



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[1]	SF220WXWCS10[1]	SF220FGXFGCS00	SF220FGXFGCS10
3"	SF320WXWCS00[1]	SF320WXWCS10[1]	SF320FGXFGCS00	SF320FGXFGCS10
4"	SF420WXWCS00[1]	SF420WXWCS10[1]	SF420FGXFGCS00	SF420FGXFGCS10

[1] Remove nose piece prior to welding. Reinstall when welding is complete and parts have had sufficient time to cool.

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Single Plane Style 20

female NPT x female NPT

Size	Aluminum Part #	Ductile Iron Part #
1-1/2"	15020FXFAL00000	15020FXFMI00000
2"	220FXFAL00000	220FXFMI00000
3"	320FXFAL00000	320FXFMI00000
4"	420FXFAL00000	420FXFM100000

Single Plane Style 30

female NPT x female NPT

Size	Aluminum Part #	Ductile 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

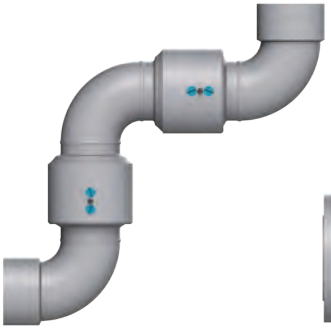
150# ASA flange x 150# ASA flange

Double Plane Style 60

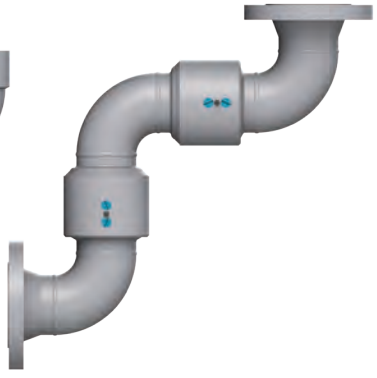
female NPT x female NPT

150# ASA flange x 150# ASA flange

Double Plane Style 70



female NPT x female NPT



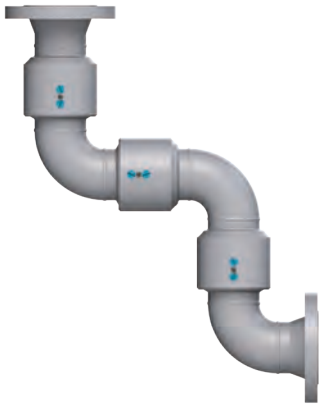
150# ASA flange x 150# ASA flange

Swivel configurator available at dixonvalve.com

Swivel Joint Styles Planes of Rotation

Triple Plane Style 80

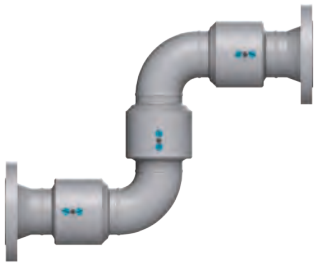
female NPT x female NPT



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	Large Bore/Cap-Seal		V-Ring			Split Flange			High Capacity Split Flange		O-Ring				
	Carb. Steel UC	Stain. Steel US	Carb. Steel CS	Stain. Steel SS	Alum. AL	Carb. Steel CS	Stain. Steel SS	Alum. AL	Carb. Steel CS	Stain. Steel SS	Carb. Steel OC	Stain. Steel OS	Alum. AL	Brass BR	Duct. Iron MI
1"	---	---	---	---	---	---	---	---	---	---	1000	1000	150	---	---
1-1/4"	---	---	---	---	---	---	---	---	---	---	---	---	150	---	---
1-1/2"	---	---	---	---	---	---	---	---	---	---	1000	1000	150	300	600
2"	---	---	1000	1000	---	600	600	600	1000	1000	1000	1000	150	300	600
3"	---	---	1000	1000	---	600	600	600	1000	1000	1000	1000	150	300	600
4"	---	---	1000	1000	---	600	600	600	1000	1000	1000	---	150	---	600
5"	---	---	1000	1000	---	---	---	---	---	---	---	---	---	---	---
6"	---	---	1000	1000	150	---	---	---	---	---	---	---	---	---	---
8"	---	---	1000	1000	150	---	---	---	---	---	---	---	---	---	---
10"	---	---	1000	1000	---	---	---	---	---	---	---	---	---	---	---
12"	---	---	1000	1000	---	---	---	---	---	---	---	---	---	---	---
14"	Contact Dixon	Contact Dixon	Contact Dixon	Contact Dixon	---	---	---	---	---	---	---	---	---	---	---
16"	800	Contact Dixon	---	---	---	---	---	---	---	---	---	---	---	---	---
18"	1000	Contact Dixon	---	---	---	---	---	---	---	---	---	---	---	---	---
20"	900	Contact Dixon	---	---	---	---	---	---	---	---	---	---	---	---	---
24"	800	Contact Dixon	---	---	---	---	---	---	---	---	---	---	---	---	---

- When using flanged ends, the pressure rating will be reduced to coincide with that of the flange being used. Refer to ASME/ANSI B16.5 for maximum pressure ratings of 150# and 300# flanges.
- Lubrication should be performed periodically, depending on service and operating conditions.
- Contact Dixon® at 888.226.4673 for more details.

Swivel configurator available at dixonvalve.com

Swivel Joint Grease

Size	Description	Part #
14 oz	Renolit S2 TX lithium grease (blue)	SJGREASE-0
	Foodlube H1 FDA food grade grease (white)	SJGREASE-1
	Chemplex 825 silicone grease (clear)	SJGREASE-2
	Arctic Jet Lube low temp grease (amber)	SJGREASE-4

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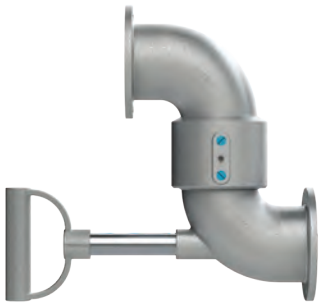
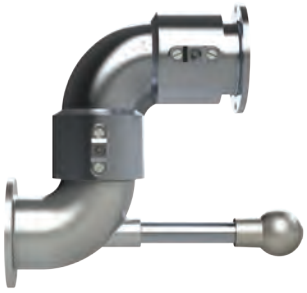
Loading Arm Swivels

style 30, short radius

style 30, long radius



style 40



style 50

Features

- TTMA-flanged aluminum loading arm swivel
- Optional D-handle or ball handle is used to guide the connection of the API load coupler to the adapter on the tank truck
- Optional long radius elbow improves the flow into the API load coupler and provides spacing between the load arm and the tank truck
- Can be used with flange extensions and other TTMA flanged accessories
- Available seals include: nitrile rubber, FKM, low temperature FKM, EPDM, or food-grade nitrile

Description	Handle	Seal	3" Part #	4" Part #
style 20	no handle	Nitrile rubber	320TFXTFAL00000	420TFXTFAL00000
		FKM	320TFXTFAL11000	420TFXTFAL11000
style 30 short radius	D-handle	Nitrile rubber	33HTFXTFAL00000	43HTFXTFAL00000
		FKM	33HTFXTFAL11000	43HTFXTFAL11000
	ball handle	Nitrile rubber	33BTFXTFAL00000	43BTFXTFAL00000
		FKM	33BTFXTFAL11000	43BTFXTFAL11000
	no handle	Nitrile rubber	330TFXTFAL00000	430TFXTFAL00000
		FKM	330TFXTFAL11000	430TFXTFAL11000
style 30 long radius	D-handle	Nitrile rubber	---	43HTFTFLAL00000
		FKM	---	43HTFTFLAL11000
	ball handle	Nitrile rubber	---	43BTFTFLAL00000
		FKM	---	43BTFTFLAL11000
	no handle	Nitrile rubber	---	430TFTFLAL00000
		FKM	---	430TFTFLAL11000
style 40	D-handle	Nitrile rubber	34HTFXTFAL00000	44HTFXTFAL00000
		FKM	34HTFXTFAL11000	44HTFXTFAL11000
	ball handle	Nitrile rubber	34BTFXTFAL00000	44BTFXTFAL00000
		FKM	34BTFXTFAL11000	44BTFXTFAL11000
	no handle	Nitrile rubber	340TFXTFAL00000	440TFXTFAL00000
		FKM	340TFXTFAL11000	440TFXTFAL11000
style 50	D-handle	Nitrile rubber	35HTFXTFAL00000	45HTFXTFAL00000
		FKM	35HTFXTFAL11000	45HTFXTFAL11000
	ball handle	Nitrile rubber	35BTFXTFAL00000	45BTFXTFAL00000
		FKM	35BTFXTFAL11000	45BTFXTFAL11000
	no handle	Nitrile rubber	350TFXTFAL00000	450TFXTFAL00000
		FKM	350TFXTFAL11000	450TFXTFAL11000

Loading Arm Swivel Replacement Parts

Description	Part #
1" schedule 80 aluminum nipple	ATN100X7
ball-style handle	100BHAN-AL
D-Style heavy-duty shovel handle	100DHAN-AL
3" nitrile rubber seal kit	3RKOBU
4" nitrile rubber seal kit	4RKOBU
3" FKM-A seal kit	3RKOVIVI
4" FKM-A seal kit	4RKOVIVI

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TTMA Flange Extensions

Applications
- Used to connect an API coupler to a loading arm
- TTMA flange extension provides additional clearance near swivels, elbows, and valves
- TTMA flange breakaway extensions and extension with groove 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 extensions are offered for product identification
- TTMA flange breakaway extensions utilize shear bolt technology for more precise parting to prevent excessive damage to the loading arm
- Other colors available upon request. Consult Dixon® for more details

Materials
- Aluminum and powder coated aluminum

Size	Description	Part #
4"	TTMA flange extension	TETF4AL
	TTMA flange breakaway extension with shear bolts and FKM seal	TETFB4AL-B
	TTMA flange breakaway extension with shear bolts and Baylast™ seal	TETFB4AL-BL
	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; 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

TETF4AL

TETFB4AL-B

TETFB4AL-BL

TETFG4AL

TETF4AL-W

TETF4AL-B

TETF4AL-G

TETF4AL-R

TETF4AL-Y

TETF4AL-G/Y

TETF4AL-R/W/B

TTMA Flange Extension Reducing Spools

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

TETF3x4AL

Dixon® Loading Arms

A loading arm is a dynamic system allowing for the transfer of media such as liquids, liquified gas, or dry bulk from one storage vessel to another. Consisting of a combination of swivel joints, pipe and/or hose legs, a counterbalance, and various end connections, loading arms can be configured for both top loading and bottom loading applications. Dixon loading arms are ideal for a wide range of applications, including, transferring product to and from tank trucks or rail cars as well as to drums and totes.

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Sizes
- 2", 3", 4", 6", and more upon request

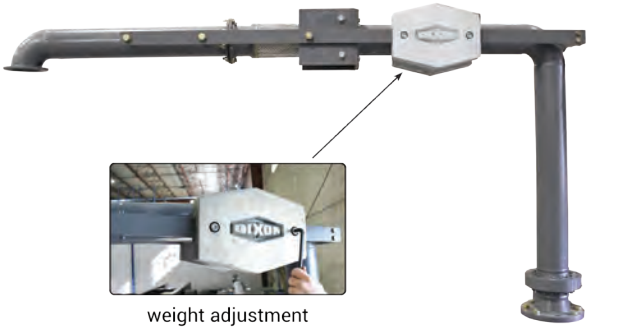
Features
- Engineered with serviceability in mind
- Standard and customized options available
- Torsion spring counterbalance offered in left and right hand
- Multiple spring rates available for different load requirements
- Counterweight option available with 2 or 4 sliding weights
- Wide variety of end connections and accessories available

Materials
- Pipe leg materials offered: aluminum, carbon steel, and 316 stainless steel
- Available seals include nitrile rubber, FKM, low-temperature FKM, PTFE, EPDM, and food-grade nitrile
- Drop hoses available in composite or stainless steel

NOTE: Visit dixonvalve.com/en/dixon-loading-arms for additional product information or call 888.226.4673.

Dixon Loading Arm Configurations

Counterweight Loading Arms



A-Frame Loading Arm with Rigid Drop Pipe

A-Frame Loading Arm with Drop Hose

Horizontal Hose Loader

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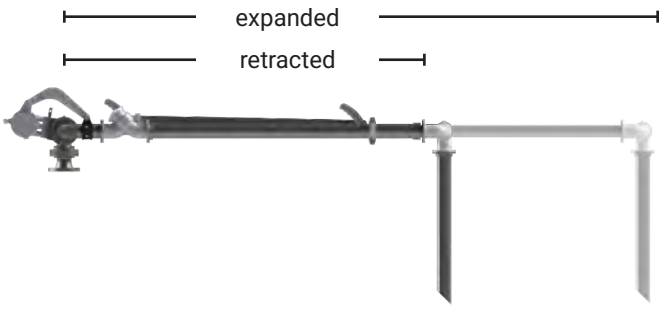
Dixon® Loading Arm Configurations

Fixed Reach Loading Arm

Telescoping Loading Arm



Scissor Style Loading Arm

Unsupported Boom Loading Arm

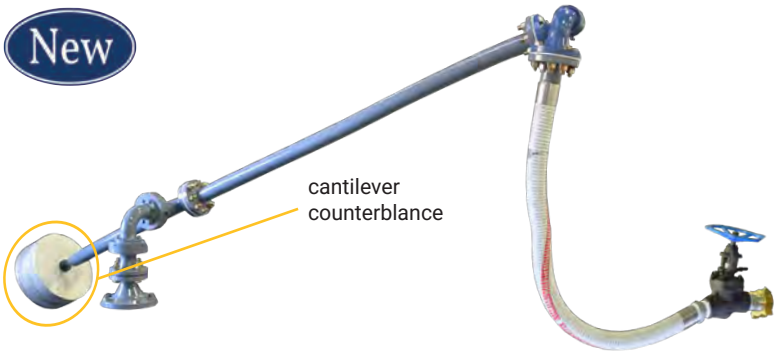
Supported Boom Loading Arm

Compression Spring Loading Arm

New

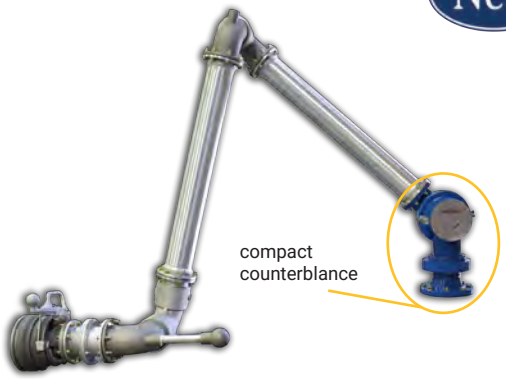
Cantilever Counterbalance Loading Arm

New



Compact Counterbalance Loading Arm

New



NOTE: Visit dixonvalve.com/en/dixon-loading-arms for additional product information or call 888.226.4673.

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Base Swivels with Counterbalance

left hand style

right hand style

Sizes
- Carbon steel V-ring: 3”, 4”, and 6"
- Carbon steel split flange: 2", 3”, and 4”
- 316 stainless steel split flange: 2", 3”, and 4"

Features
- Torsion spring counterbalance offered in right or left hand
- Style 50 or 70 available for base swivels based on configuration and flow of media
- Connecting arm and clamp included

Materials
- Base swivel materials offered: carbon steel and 316 stainless steel
- Available seals include: nitrile rubber, FKM, low temperature FKM, PTFE, EPDM, or food-grade nitrile rubber

Specifications
- Standard configurations below include carbon steel split flange base swivel, ESB1 torsion spring counterbalance, 150# flange inlet, and TTMA flange outlet
- Connection options include: 150# flange, 300# flange, and TTMA flange
- Other options available upon request
- Three spring rates available: Light, Medium, and Heavy. Contact Dixon® to determine which is best for your application.

Orientation	Seals	Counterbalance Spring	3" Part #	4" Part #
UFRH	Nitrile rubber	Light	AB3G00000000000	AB4G00000000000
		Medium	BB3G00000000000	BB4G00000000000
		Heavy	CB3G00000000000	CB4G00000000000
	FKM	Light	AV3G00000000000	AV4G00000000000
		Medium	BV3G00000000000	BV4G00000000000
		Heavy	CV3G00000000000	CV4G00000000000
UFLH	Nitrile rubber	Light	EB3G00000000000	EB4G00000000000
		Medium	FB3G00000000000	FB4G00000000000
		Heavy	GB3G00000000000	GB4G00000000000
	FKM	Light	EV3G00000000000	EV4G00000000000
		Medium	FV3G00000000000	FV4G00000000000
		Heavy	GV3G00000000000	GV4G00000000000

upfeed
right-hand (UFRH)

upfeed
left-hand (UFLH)

horizontal upfeed
right-hand (HUFRH)*

horizontal upfeed
left-hand (HUFLH)*

downfeed
right-hand (DFRH)*

downfeed
left-hand (DFLH)*

horizontal downfeed
right-hand (HDFRH)*

horizontal downfeed
left-hand (HDFLH)*

*Not listed in chart above, contact Dixon for details

C

TTMA Handle Kits

Application
- For various applications that utilize 4" TTMA connections, allowing for improved ergonomics when handling hoses

Features
- Mounting plate mates up to TTMA flange
- Lightweight construction

TTMAHK-C

TTMAHK-LB

Size	Description	Aluminum Part #
4"	compact with D-handle	TTMAHK-C
4"	long with ball handle	TTMAHK-LB

NOTE: Nuts and bolts not included

Counterbalances

Features
- Includes pivot arm (shown) and spring to help prevent possible pinch point
- Easy-adjust tension bolt, carbon steel housing

ESB1/A

Description	Part #
light-duty white torsion spring, right hand	ESB1/A
medium-duty yellow torsion spring, right hand	ESB1/B
heavy-duty red torsion spring, right hand	ESB1/C
light-duty black torsion spring, left hand	ESB1/E
medium-duty grey torsion spring, left hand	ESB1/F
heavy-duty orange torsion spring, left hand	ESB1/G

Counterbalance Connecting Arm Clamps

Feature
- Clamps link counterbalance connecting arm to the primary leg

Materials
- 2" clamp: stainless steel
- 3" through 6" clamp: iron

ESB-CLAMP-3

Size	Description	Part #
2"	counterbalance connecting arm clamp for 2" pipe	ESB-CLAMP-2
3"	counterbalance connecting arm clamp for 3" pipe	ESB-CLAMP-3
4"	counterbalance connecting arm clamp for 4" pipe	ESB-CLAMP-4
6"	counterbalance connecting arm clamp for 6" pipe	ESB-CLAMP-6

Loading Arm Legs/Spools and Hoses

Sizes
- 1-1/2", 2", 3", 4", and 6"

Features
- Available connections include: TTMA flange, 150# flange, 300# flange, MNPT, FNPT, and weld end
- Additional options include: ports, jump sizes, handle, and bucket hooks

Materials
- Pipe: carbon steel, 316 stainless steel, and aluminum
- Hose: stainless steel metal and composite

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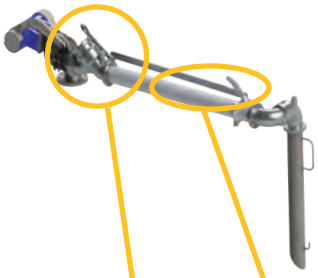

TLV-400TFVBVIAL

TLRVK-300X24AL

VB-050-BSP

diffuser

T-deflector

Top Loading Valves and Accessories

Applications
- Manual or remote controlled valve mounts before the loading arm horizontal leg to control flow
- Used in top loading fuels and other low viscosity media

Features
- Adjustable closure rate
- Manually operated "Deadman" style with spring-loaded handle
- Optional remote-handle available

Materials
- Valve: aluminum
- Vacuum breaker body: brass
- Vacuum breaker housing: aluminum
- Seals: FKM

Size	Description	Part #
2"	top loading valve with FNPT and vacuum breaker	TLV-200FTVBVIAL
2"	top loading valve with TTMA flanges and vacuum breaker	TLV-200TFVBVIAL
3"	top loading valve with TTMA flanges and vacuum breaker	TLV-300TFVBVIAL
4"	top loading valve with TTMA flanges and vacuum breaker	TLV-400TFVBVIAL
2"	valve remote, handle, and bracket kit with bar	TLRVK-200X58AL
3"	valve remote, handle, and bracket kit with bar	TLRVK-300X58AL
4"	valve remote, handle, and bracket kit with bar	TLRVK-400X58AL
2"	valve remote, handle, and bracket kit	AT1350-2
3"	valve remote, handle, and bracket kit	AT1350-3
4"	valve remote, handle, and bracket kit	AT1350-4
1/2"	vacuum breaker, BSP threads	VB-050-BSP[1]
1/2"	vacuum breaker, NPT threads	VB-050-NPT

[1] Replacement vacuum breaker for top loading valve.

Top Loading Diffusers and T-Deflectors

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
- Female NPT threaded

Materials
- Aluminum and stainless steel

Size	Description	Part #
2"	aluminum T-deflector	200-TLTD-AL
	stainless steel T-deflector	200-TLTD-SS
3"	aluminum 360° diffuser	TLD-300S
	aluminum T-deflector	300-TLTD-AL
	stainless steel T-deflector	300-TLTD-SS
4"	aluminum 360° diffuser	TLD-400S
	aluminum T-deflector	400-TLTD-AL
	stainless steel T-deflector	400-TLTD-SS

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, and fluorosilicone

Specifications

- Seal operating temperature:
  - Baylast: **-35°F** to **212°F** **(-37°C** to **100°C)**
  - EPDM: **-60°F** to **250°F** **(-50°C** to **121°C)**
  - FFKM: **-15°F** to **600°F** **(-26°C** to **315°C)**
  - FKM-B: **-15°F** to **400°F** **(-26°C** to **204°C)**
  - FKM-GFLT: **-35°F** to **400°F** (**-37°C** to **204°C**)
  - Fluorosilicone: -**50°F** to **350°F** (**-45°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

[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.

Description	Seal Material	Part #
4" API rack coupler with Inconel® springs for crude service	FKM-B	5500BC

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 links, pins, and cotter pin	5500RK26
replacement seal cylinder – no seal	5500RK27
replacement FKM-GFLT bearing kit for 5500	5500RK51

5-YEAR MECHANICAL WARRANTY[1]

Normal wear and tear items (including seals) not covered[1]

C

5500-Series

Replaceable nose seal: Replace without removal from the loading arm

5500RK24

C

5500-Series API Coupler Accessories

Description	Part #
API coupler drain valve	5501
hanger for API rack coupler parking brake	5204H
API rack coupler rebuild ring	5503
API coupler locking device	40714AL

Reelcraft® Static Discharge Reel

Application
- Used to ground equipment in hazardous atmospheres, such as fuel trucks or carts transferring flammable materials. When properly clamped to ground, the static discharge reel dissipates static electrical buildup, reducing the chances of sparking and the potential for explosion.

Features
- Supplied with a 3/32" O.D. steel aircraft cable
- DC resistance is approximately one ohm per 50' of steel cable

Description	Stranded Steel Part #
single 7" x 7" stranded steel	G3050

FT590-Series Terminal Test Equipment

FT590OG

FT590TG

FT530

Applications
- Verifies terminal overfill monitor performance and read the trailer identification modules
- Displays the unique serial number you need to enter into the terminal automation system

Features
- Rack monitor testers and mini trailer overfill system have the same API compatible signals
- When connected to the API plug it will cause the terminal overfill monitor to switch permissive
- Tester contains a liquid level sensor, API compatible socket, ground bolt, and trailer identification module, all wired into one unit
- Flotech® FT530 is a self contained microprocessor capable of reading the serial number embedded into the trailer identification module located in the trailer socket

Description	Part #
rack tester thermistor with ground bolt	FT590TG
rack tester thermistor with ground bolt and trailer identification module	FT590TGT
rack tester optic with ground bolt	FT590OG
rack tester optic with ground bolt and trailer identification module	FT590OGT
trailer identification module reader	FT530

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FloTech® FT7000-Series Rack Control Monitor

FT7000

Applications

- Overfill prevention, ground verification, trailer identification, data communication
- Automatic, continuous and self-checking micro based control
- Per NPFA rules, FT7000 FloTech RCM provides secondary overfill protection for loading of petroleum or chemical liquids into cargo or rail tanks. It is designed for hazardous locations using EXd explosion proof enclosure and intrinsically safe electronics. FT7000 RCM holds US and international safety approvals and certifications
- FloTech FT7000 RCM was designed for high reliability with redundant test circuits and output relays. Relay operation is monitored to determine proper operation. FT7000 RCM has the ability for redundant communication of monitor status independent of relay status. Permits can be verified via a digital communication path not dependent on relay status

Features

- FT7000 RCM provides robust communication of monitor overfill status, ground verification, trailer identification data and events via RS-485 and Modbus compliant. All function in one unit with ability to connect through existing TAS
- Overfill, ground, and trailer identification in one enclosure
- Auto switching between optic and thermistor (2 wire or 5 wire) sensors
- Compatible with all analog and digital sensors
- Monitor up to (8) 2 wire or (12) 5 wire sensors
- Various plug cord and junction box assemblies compatible with worldwide standards
- Visual display of all functions

Material

- Explosion proof IP54 weathertight aluminum powder coated housing

Approvals

Certified to the following standards:

- CSA C22.2 No. 61010-1-12, No. 30-M1986, No. 157-92, No. 60079-0:11, No. 60079-1:11, No. 60079-11:14
- UL 61010-1, UL 1203, UL 913, UL 60079-0, UL 60079-1, UL 60079-11
- IEC 60079-0, IEC 60079-1, IEC 60079-11, IEC 60529
- EN 60079-0, EN 60079-1, EN 60079-11

Compatible with

Sensors	Identification	Earthing/Ground Devices
• 5 wire optic sensors; 1-12 sensors • 2 wire black and white thermistor sensors; 1-8 sensors • 2 wire grey-grey universal thermistor sensors; 1-8 sensors • 2 wire analog thermistor sensors; 1-8 sensors • onboard monitors	• Trailer Identification Modules	• ground bolt/bolt/wire • ground loop/restive bond

NOTE: Not compatible with float type sensors, or 3 wire analog thermistor sensors

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API Compatible Loading Rack Cords

Application
- API loading rack cords are used to connect the loading rack monitor to the socket on the fuel tanker

Features
- FT600 and FT620 are compatible with API thermistor and optic configurations
- Cords available in coiled or straight lengths
- Thermistor cord features a heavy, highly visible, safety orange jacket to meet trip hazard requirements
- Cord is bonded mechanically and has superior abrasion and oil resistance
- Plug body is color coded optic blue or thermistor green
- Plug pins are made from 303 stainless steel to prevent corrosion or galling

Materials
- Reinforced nylon plugs with stainless steel contact pins and hardware. Heavy duty and highly visible safety orange cord

API Optic Cord Assemblies

FT620

FT620D

Part #	Description
FT620	blue plug with 6 contact pins and 3 J-slot, on a 30' coiled blue cable
FT620D	API optic plug w/30' coiled cable w/aluminum D-connector breakaway
FT620S	blue plug with 6 contact pins and 3 J-slot, on a 20' straight blue cable
FT620P	blue plug with 6 contact pins and 3 J-slot on a 30' blue coiled cord and 7 pin connector aluminum J560 plug
FT620SP	API optic plug, aluminum J560 plug with 30' straight cable
FT620X620	optic dual plug cord
FT621	replacement blue plug assembly with 6 contact pins and 3 J-slot
FT622	replacement 30' blue coiled cord, optic 6 conductor
FT623	optic plug storage hanger
FT624	replacement 20' blue straight cord, optic 6 conductor

API Thermistor Cord Assemblies

FT600

FT600CD

FT600D

Part #	Description
FT600	green plug with 8 contact pins and 4 J-slot, on a 30' coiled orange cable
FT600D	API thermistor plug w/30' coiled cable w/aluminum D-connector breakaway
FT600P	green plug with 8 contact pins and 4 J-slot, on a 30' orange coiled cord and 13 pin connector nylon J560 plug
FT600S	green plug with 8 contact pins and 4 J-slot, on a 20' straight orange cable
FT600C	green plug with 10 contact pins and 4 J-slot, on a 30' coiled orange cable
FT600CD	API thermistor plug w/30' coiled cable w/13P CA 4J 10-pin aluminum D-connector breakaway
FT600CP	green plug with 10 contact pins and 4 J-slot, on a 30' coiled orange cord and 13 pin connector nylon
FT600SC	green plug with 10 contact pins and 4 J-slot, on a 20' straight orange cable
FT601	replacement green plug assembly with 8 contact pins and 4 J-slot
FT601-10	replacement green plug assembly with 10 contact pins and 4 J-slot
FT602	replacement 30' orange coiled cord, thermistor 10 conductor
FT603	thermistor plug storage hanger
FT604	replacement 20' orange straight cord, thermistor 10 conductor
FT606	thermistor 30' coiled replacement cord 8 pin
FT607	thermistor 20' straight replacement cord 8 pin
FT680CNO	deadman switch assembly with coiled cord

NOTE: For more D-connector offerings, please contact Dixon® at dixonvalve.com.

Product instruction sheets and technical data can be viewed on our website at dixonvalve.com

Biofuel compatible

C

FT7504 Junction Box with D-Type Pigtail Breakaway

Application
- FT7500-Series junction boxes are designed to provide a convenient, safe, and protected point of service for rack cord accessories. When installed correctly, the junction box will protect rack cords from excessive wear and tear, and cord connections from water and corrosion while in harsh environments

Features
- Water-tight construction helps prevent condensation and moisture from causing corrosion on the with rack connections
- Twelve position terminal block for quick replacement of various cord types including optic, thermistor, ground, and deadman cables
- Large internal volume allows ample room for wiring and easy installation
- Mesh cord grip reduces cable strain and prevent cable pull-out
- Integrated cord hook holds the cable while not in use

Material
- Powder coated weather-resistant aluminum

FT7500

FT7501

Part #	Description
FT7500	single cord junction box
FT7501	dual cord junction box
FT7502	junction box with yellow 13 pin socket
FT7503	junction box with D-type pigtail breakaway per EN13922, 30’ blue shielded cable
FT7504	junction box w/aluminum D-connector pigtail breakaway

FT7502

FT7504

Junction Box and Cord Assembly Accessories

Part #	Junction Box	Rack Cord	Rack Cord Termination	Length	Cord Color	Cord Type	Conductors	API Plug	
								Color	J-Slots
FT7600	FT7500	FT600	flying leads	30'	orange	coiled	8	green	4
FT7600C	FT7500	FT600C	flying leads	30'		coiled	10		4
FT7600CP	FT7502	FT600CP	yellow 13 pin plug	30'		coiled	10		4
FT7600P	FT7502	FT600P	yellow 13 pin plug	30'		coiled	8		4
FT7600S	FT7500	FT600S	flying leads	20'		straight	8		4
FT7600SC	FT7500	FT600SC	flying leads	20'		straight	10		4
FT7600SP	FT7502	FT600SP	yellow 13 pin plug	20'		straight	8		4
FT7605C	FT7500	FT605C	flying leads	30'		coiled	6		4
FT7620	FT7500	FT620	flying leads	30'	blue	coiled	6	blue	3
FT7620P	FT7502	FT620P	metal J560	30'		coiled	6		3
FT7620S	FT7500	FT620S	flying leads	20'		straight	6		3
FT7620SP	FT7502	FT620SP	metal J560	20'		straight	6		3
FT7630	FT7500	FT630	flying leads	30'		coiled	10	black	4
FT7630D	FT7503	FT630D	D connector	30'		coiled	10		4
FT7640-3	FT7500	FT640-3	flying leads	30'		coiled	10		3
FT7640-4	FT7500	FT640-4	flying leads	30'		coiled	10		4
FT9073	replacement clip breakaway D-connector								
FT9074	replacement breakaway junction box cord								

NOTE: For more D-connector offerings, please contact Dixon® at dixonvalve.com.

Product instruction sheets and technical data can be viewed on our website at dixonvalve.com
Biofuel compatible

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API Rack Cord Assemblies

FloTech® Part #	Civacon Part #	Scully Part #	API		Cord		J-Slot		Pin			Breakaway Plug	
			Thermistor	Optic	20' Straight	30' Coiled	3	4	6	8	10	Optic J560 Aluminum	Thermistor 13 Pin Plastic
FT600	7300SR-7300	21818	√	---	---	√	---	√	---	√	---	---	---
FT600C	7300CSR-7300	31090	√	---	---	√	---	√	---	---	√	---	---
FT600P	7320SR-7320	---	√	---	---	√	---	√	---	√	---	---	√
FT600S	7300-STRAIGHT	20830	√	---	√	---	---	√	---	√	---	---	---
FT600SC	7300C-STRAIGHT	---	√	---	√	---	---	√	---	---	√	---	---
FT620	7100SR-7100	21831	---	√	---	---	√	---	√	---	---	---	---
FT620P	7100-J560	---	---	√	---	---	√	---	√	---	---	√	---
FT620S	7100-STRAIGHT	21764	---	√	√	---	√	---	√	---	---	---	---

API Rack Cord Parts

FloTech Part #	Civacon Part #	Scully Part #	API		Cord		J-Slot		Pin		
			Thermistor	Optic	20' Straight	30' Coiled	3	4	6	8	10
FT601	7310SR-7310	---	√	---	---	---	---	√	---	√	---
FT603	7350-7350	---	√	---	---	---	---	√	---	---	---
FT621	7110SR-7110	21766	---	√	---	---	√	---	√	---	---
FT622	7220-7220	31099	---	√	---	√	√	---	---	---	---
FT623	7150-7150	---	---	√	---	---	√	---	---	---	---

Dixon® MannTek Safety Breakaway Couplings – Industrial Version

TTMA Flanged Breakaway Couplings

SBC400ALTTMA

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)**

SBC400ALTTMASV

Size	Length	Aluminum Part #
4"	9.40"	SBC400ALTTMA
	12.12"	SBC400ALTTMASV
	6.93"	SBC400ALTTMACP

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

A100 Outalarm® with Probe

Dixon® ADSI[1] 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.

[1] Formerly Automated Design Service, Inc.

Applications

- Specifically designed for liquid terminal operation on batch loading and overfill protection, tank cars, tanks trucks, marine barges; suitable for open and closed domes

Sizes

- 24", 36", 48", and 60" probe lengths standard; other lengths available

Features

- Totally self-contained; no wires, tubing, or external power
- Rugged weather- and corrosion-resistant construction
- No moving parts, tip sensitive phase shift digital capacitance sensor for conductive and non-conductive fluid; conductivity sensor available for conductive fluids
- Requires no calibration or adjustment
- Adjustable insertion length through a standard 1/2" NPT fitting
- High-intensity audible and flashing visual outputs
- Optional opto-isolated solid state contact output
- Full, hard, graduated, laser-engraved rod
- A100 operates up to 2,500 hours on a single 9V alkaline battery in standby mode
- Fail-safe, continuous battery monitor goes to alarm state on low battery
- Battery current drain <0.23 mA during standby; <60 mA in alarm state

Materials

- Wetted materials: 316 stainless steel, PTFE standard, other materials available

Specifications

- Minimum dielectric constant: 1.8
- Temperature range:
  - Capacitance probe: -**14°F** to **250°F** (**-26°C** to **121°C**)
  - High-temp capacitance probe: -**14°F** to **325°F** (**-26°C** to **163°C**)
  - Outalarm® monitor: -**40°F** to **150°F** (**-40°C** to **65°C**)
- Activation point: 1/4" into liquid surface
- Compatible with any liquid or dry bulk material with a dielectric constant of 1.8 or greater
- Horn intensity: 101 dB at 2'
- Light output: three each 3,000 mcd high-intensity red flashing LEDs
- Pressure rating on standard unit: **50 PSI**; consult Dixon® for applications up to **300 PSI**

Approvals

- Intrinsically safe design per ANSI/UL913 for Class I, Div I Groups A, B, C, and D Hazardous Areas

A100
capacitance probe

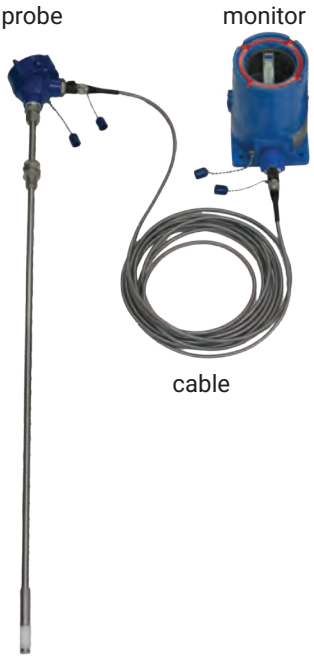
A100 Probe

Length	Capacitance 250°F (121°C) Max Part #
12"	A100C12A
24"	A100C24A
36"	A100C36A
48"	A100C48A
60"	A100C60A
72"	A100C72A
84"	A100C84A

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

C

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

Specification
- **250°F (121°C)** maximum temperature

Length	Capacitance
12"	A200PC12A
24"	A200PC24A
36"	A200PC36A
48"	A200PC48A
60"	A200PC60A
72"	A200PC72A
84"	A200PC84A

A200PC36A

Multi-Point Ultrasonic Probes

Application
- For use when multiple detection points are required such as dribble mode, pump shutoff, and overfill alarm

Features
- Up to 5 sense points available
- Pressure sensor
- Ground verification
- Tilt storage probe only active in vertical operational position

NOTE: Built special order to customer specifications. Contact Dixon Bayco® at 513.874.8499 for more information.

C

A240-Series Ground Verification Monitor

Applications
- Tank truck and railcar loading facilities
- Drum and barrel filling sites
- Loading of stationary tanks

Features
- Bright red and green indicators communicate A240 ground monitor status
- Convenient user terminal blocks make installation easy
- Environmentally sealed enclosure provides long service life even in outdoor environments
- Integrates easily into process control systems
- Provides and verifies ground bond through a single connection

Specifications
- Temperature rating: **-40°F to 140°F (-40°C to 60°C)**
- Ingress protection: IEC 60529 IP 66
- NEMA rating: NEMA Type 4, 4X, 7, 9
- Conduit entries: three
- Suitable for installation in hazardous locations: Class I, Division 1 & 2, Groups B, C, and D hazardous locations, Class II, Division 1 & 2, Groups E, F, and G hazardous locations, and Class III hazardous locations
- Suitable for connection to hazardous locations: Class I, Division 1 & 2, Groups A, B, C, and D hazardous locations and Class I, Zone 0, 1 & 2, Groups IIC, IIB, and IIA hazardous locations
- Ground connection threshold: relay is energized when ground clamp connection is less than 10Ω
- Number of output relays: one
- Output replay configuration: one set of FORM C contacts (normally open, common, and normally closed contacts)
- Output relay contact rating: 4Amp at 250VAC

Description	Part #
ground verification monitor 120VAC	A240120
ground verification monitor 24VDC	A240024

A540-Series Ground Clamp and Junction Box

Applications
- Tank truck and railcar loading facilities
- Drum and barrel filling sites
- Loading of stationary tanks

Features
- Clamp is tethered to the cable by a stainless steel strap that protects the connection from strain and wear
- Pull-out resistant cord grip on junction box holds cable tighter the harder it is pulled
- Junction box creates convenient service point for hazardous location installations
- Coiled cable (in blue or black) 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, rain tight, 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 and 2, Groups B, C, and D hazardous locations, Class II, Division 1 and 2, Groups E, F, and G hazardous locations and Class III hazardous locations
- Suitable for connection to hazardous locations: Class I, Division 1 and 2, Groups A, B, C, and D hazardous locations and Class I, Zone 0, 1 and 2, Groups IIC, IIB, and IIA hazardous locations
- Recommended wire between controller and the clamp: 18 GA stranded copper wire (THHN)
- Extended working length of cable: 30'

Description	Part #
ground clamp and junction box w/blue cord	A540CSB0251
ground clamp and junction box w/black cord	A540CSX0251
replacement blue cord and clamp	30585RK
replacement black cord and clamp	30585RK-002

C

ADS Outage Gauges

outage gauge with J bar

outage gauge

Applications
- Set level fill point for manual/visual fill control
- Measure outage requirements on mobile tanks

Feature
- Open dome bracket

Material
- 316 stainless steel

Length	316 Stainless Steel Standard Outage Gauge Part #	316 Stainless Steel Outage Gauge with J Bar Part #
3'	A800OG3	A800OGJ3
4'	A800OG4	A800OGJ4
5'	A800OG5	A800OGJ5

ADS Gauge Rods

Application
- Used to gauge liquid levels in any mobile tank

Size
- 1/2" x .065 weight

Features
- Laser engraved scale with 1/4" graduations
- Rods come in two sections that screw together at the midpoint
- Foot marks inscribed on rod at 1' intervals below the inch mark
- Heavy-duty plastic handle

Material
- 316 stainless steel

Description	316 Stainless Steel Part #	316 Stainless Steel Part # w/sliding innage bar
gauge rod, 8' length, two piece	ADS8GR	---
gauge rod, 12' length, two piece	ADS12GR	ADS12GR-IB

laser engraving close up

ADS Spillguard® Armored Cables

Features
- 3 pin connector
- 316 stainless steel armored cable or yellow rubber cable
- Custom lengths available; call 513.874.8499 or 877.582.3569 for more information

Armored Cables

Length	3 Pin
15'	A200CA3P15
20'	A200CA3P20
25'	A200CA3P25
50'	A200CA3P50

Rubber Cable

Length	3 Pin
25'	A200CB3P25

NOTE: For use with (-M) mini connectors only

C

Accessories

A100DA

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

A100TTA

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

A200SA

A210CR-3

Cable Junction Boxes

Description	Part
3 pin	A210CR-3
5 pin	A210CR-5

A210PZH-24

A210-12TC

Additional Parts and 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
A210 Piezo horn 24VDC	A210PZH-24
tri-color external signal light	A210-120TC

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D

DIXON "BOSS" SINCE 1916

Products Recommended for Steam Service

Quick Disconnect Fittings

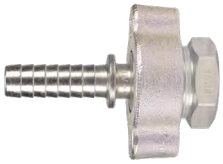
- Available in solid brass with stainless steel springs and locking balls
- Sizes 1/4" through 1-1/2"
- For more information see pages 498-511

D

Dry Disconnect Fittings

- Available in stainless steel, with EPDM seals
- Sizes 3/4", 1", 1-1/2" and 2"
- For more information see pages 93-106

GJ Boss Female Ground Joint Fittings



- Available in plated steel and/or iron
- Sizes 1/4" through 6"
- For more information see page 162

Boss Female Washer Seal Fittings

- Available in plated steel and/or iron
- Sizes 3/8" through 3"
- For more information see page 165

Boss Male Stems

- Available in steel bar stock sizes 1/4" through 1"; iron in sizes 1-1/4" through 4"; 316 stainless steel in sizes 1/2" through 4" and brass in sizes 3/4" through 3"
- For more information see page 167

Boss Clamps

- 2-bolt and 4-bolt style available in plated iron in sizes 1/4" through 3"; stainless steel in sizes 1/2" through 3" and brass in sizes 1/2" through 2"
- Three-piece style are available in plated iron in sizes 3" through 6"
- For more information see pages 169 and 170

180° Steam Gauge Siphons

- Available in steel and red brass pipe
- 1/4" NPT schedule 40 steel, welded
- For more information see page 366

250 PSIG Steam Ball Valves

- Available in bronze with 316 stainless steel ball and stem
- Sizes 1/2" through 2"
- For more information see page 894

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been tested and approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

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

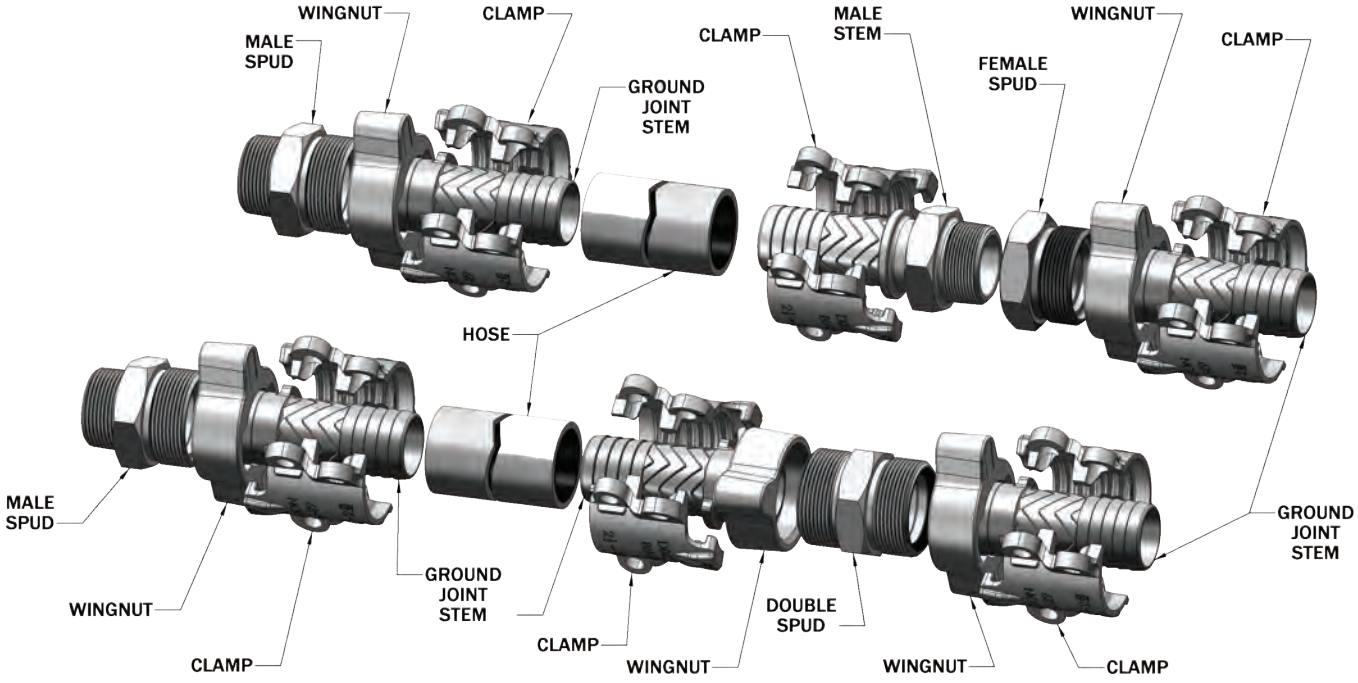
Boss couplings supply a convenient threaded fitting to connect two lengths of hose, or a single length to a male or female threaded (NPT) outlet.

Materials

- 3/4" and 1" brass; 3/4" - 2" stainless steel
- 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

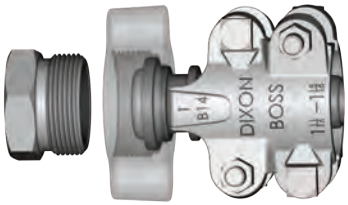


WARNING: Misuse of this product can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been tested and approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

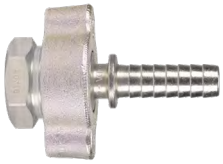
WARNING: Worn-out hose couplings can be dangerous. Coupling users should be trained in proper use, application, and the use of safety devices where indicated. Training should also include how to inspect for wear, so couplings are replaced when needed.

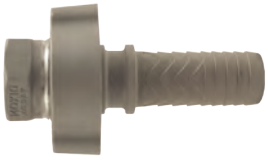


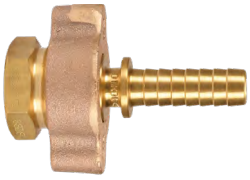
Features
- Positive metal-to-polymer seal
- Leakproof seal forms when the metal head of the stem makes contact with the patented polymer seat in the spud
- Easy to seal
- Use with Boss clamps found on pages 169-170
- Non-metallic polymer seat resists most chemicals found in manufacturing facilities (reference corrosion resistance chart on pages 1120-1125)

Specification
- Recommended for steam service up to **450°F (232°C)**

D


Plated iron/steel


316 stainless steel


Brass

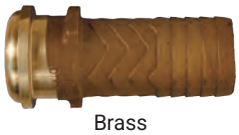
Boss Ground Joint Couplings with Female Spud

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[2]	---	---
4"	GF141	---	---
6"	GF201[1]	---	---

[1] 1/4", 3/8", and 6" available only with copper seat spuds
[2] Not to be used with #250, #275, or #306 Boss clamps

Plated iron/steel

316 stainless steel


Brass

Boss Ground Joint Stems

Size	Plated Steel and/or Iron Part #	Opt 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, and ferrules. Use only Boss clamps on GB26/GB36 for steam service.

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

WARNING: Misuse of this product can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been tested and approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

WARNING: Worn-out hose couplings can be dangerous. Coupling users should be trained in proper use, application, and the use of safety devices where indicated. Training should also include how to inspect for wear, so couplings are replaced when needed.

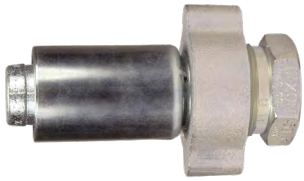
Boss Holedall® Fittings

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 # without spud	Plated Iron/Steel Part # with spud	Stainless Steel Part # with spud
	From	To			
3/4"	1-10/64"	1-14/64"	GB6-P1	GF26P1	---
	1-15/64"	1-18/64"	GB6-P2	GF26P2	---
	1-19/64"	1-22/64"	GB6-P3	GF26P3	---
1"	1-30/64"	1-34/64"	GB11-P1	GF36P1	---
	1-35/64"	1-38/64"	GB11-P2	GF36P2	---
	1-39/64"	1-42/64"	GB11-P3	GF36P3	---
1-1/2"	1-58/64"	2"	GB21-P1	GF61P1	RGF61P1
	2-1/64"	2-8/64"	GB21-P2	GF61P2	RGF61P2
	2-9/64"	2-16/64"	GB21-P3	GF61P3	---
2"	2-28/64"	2-40/64"	GB26-P1	GF81P1[1]	RGF81P1
	2-41/64"	2-48/64"	GB26-P2	GF81P2[1]	RGF81P2
	2-49/64"	2-56/64"	GB26-P3	GF81P3[1]	---
3"	3-30/64"	3-40/64"	GB36-P1	GF111P1[1]	---
	3-41/64"	3-48/64"	GB36-P2	GF111P2[1]	---
	3-49/64"	3-56/64"	GB36-P3	GF111P3[1]	---

[1] 2" and 3" have a machined shank



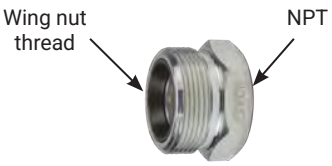
GF61P1
shown with spud

GB21-P1
shown without spud

Boss Ground Joint Female Spuds

Size	Plated Steel and/or Iron Part #	Opt 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	---	---

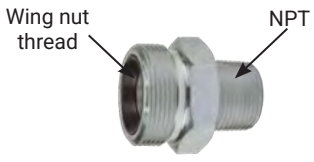
[1] 1/4", 3/8", and 6" available only with copper seat spuds; all other sizes have polymer seats



Boss Ground Joint Male Spuds

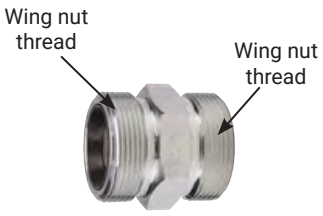
Size	Plated Steel Part #	Plated Iron Part #
3/8	GMC[1]	---
1/2"	GM3	---
3/4"	GM8	---
1"	GM13	---
1-1/4"	---	GM18
1-1/2"	---	GM23
2"	---	GM28
2-1/2"	---	GM33
3"	---	GM38

[1] Available only with copper seat spud, 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 Wing Nuts

Hex nut plated iron / steel

Plated iron / steel

316 stainless steel

Brass

Size	Plated Steel and/or Iron Part #	Opt Qty	316 Stainless Steel Part #	Brass Part #
1/4"	SLS4[1]	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	---	---

[1] Hex nut

Boss Knurled Nut

Size	Plated Steel Part #	Opt Qty
3/4" and 1"	KB12	25

Boss Wing Nut Caps

Features

- Supplied with 12" chain and washer
- For best results, use with washer style spuds and washers on page 165
- 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

Boss Adapters

Female NPT

Features
- Designed to fit the standard ground joint spuds on pages 162-163
- Supplied with a wing nut, as shown
- For safety tags and safety tape, see pages 1076-1077

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	---
4"	GFAS46	---

[1] Part is produced as a welded fabrication

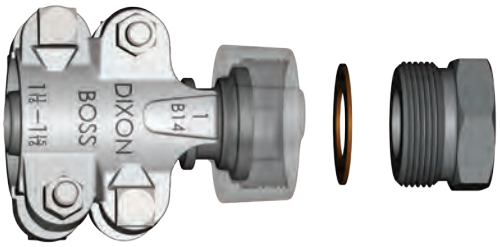
Male NPT

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]	RGMAS26
3"	GMAS36	---
4"	GMAS46	---

[1] Uses a special wing nut, part # B27-1

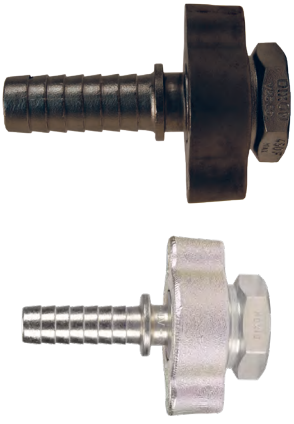
Boss Washer Seal Couplings with Female Spud

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 169-170
- Use with wing nuts found on page 164



Specification
- Recommended for steam service up to **450°F (232°C)**

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	---



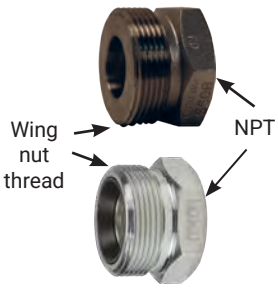
[1] Not to be used with #250, #275, or #306 Boss clamps

D

Boss Washer Seal Stems

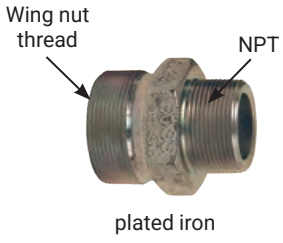
Size	Plated Steel and/or Iron Part #	Opt Qty	316 Stainless Steel Part #
3/8"	SS337	100	---
1/2"	B1	100	---
1/2" x 3/4"	B6-1	50	---
3/4"	B6	50	RB6
1"	B11	50	RB11
1-1/4"	B16	25	RB16
1-1/2"	B21	25	RB21
2"	B26[1]	10	RB26[1]
2-1/2"	B31	5	---
3"	B36	5	---

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



Boss Washer Seal Female Spuds

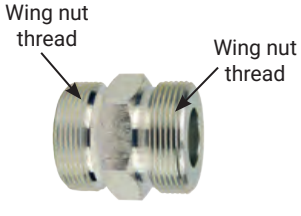
Size	Plated Steel and/or Iron Part #	Opt Qty	316 Stainless Steel Part #
3/8"	CC	100	---
1/2"	B3	100	---
3/4"	B8	25	RB8
1"	B13	50	RB13
1-1/4"	B18	25	RB18
1-1/2"	B23	25	RB23
2"	B28	10	RB28
2-1/2"	B33	5	---
3"	B38	5	---



plated iron

Boss Washer Seal Male Spuds

Size	Plated Steel Part #	Plated Iron Part #
1/2"	WM3	---
3/4"	WM8	---
1"	WM13	---
1-1/4"	---	WM18
1-1/2"	---	WM23
2"	---	WM28
3"	---	WM38



plated steel

Boss Washer Seal Double Spuds

Size	Plated Steel Part #	Plated Iron Part #
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 #
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 169-170 for safety tags and safety tape see pgs 1076-1077

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	---	---	---

plated steel

plated iron

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"	---

316 stainless

brass

WARNING: Misuse of this product can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been tested and approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

WARNING: Worn-out hose couplings can be dangerous. Coupling users should be trained in proper use, application, and the use of safety devices where indicated. Training should also include how to inspect for wear, so couplings are replaced when needed.

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	---	---
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

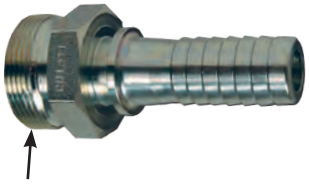
Size	Schedule 40 Unplated Steel Part #
2"	LPB26
3"	LPB36

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

Size	Steel Part #
1"	GH1311
2"	GH2826

Boss Clamps

⚠WARNING

- The bolts used in the Boss interlocking clamps are not standard bolts. They vary from standard bolts in their length, diameter, overall thread length, and material hardness. These bolts can be retorqued, but it is not recommended that the bolts or clamps be reused, as they are designed for a single bend only. Dixon® recommends using only factory-supplied replacement bolts.
- Torque values for clamps are based on dry bolts. The use of lubricant on bolts will adversely effect clamp performance. Do not lubricate nuts and bolts.
- For all bolt tightening sequences, please visit dixonvalve.com

Feature

- Replacement nuts and bolts are available; contact Dixon for more information

Specifications

- Recommended for steam service up to **450°F (232°C)**
- Recommended torque rating in ft. lbs.

2-Bolt Type, 2-Gripping Fingers

Hose I.D.	Hose O.D. From	Hose O.D. To	Zinc Plated Iron Part #	Stainless Steel[3] Part #	Torque ft. lbs.[1]	Brass Part #	Torque ft. lbs.	Opt Qty
1/4"	36/64"	42/64"	BD[2]	---	6	---	---	100
3/8"	44/64"	56/64"	CD[2]	---	6	---	---	100
1/2"	52/64"	60/64"	DD[2]	---	6	---	---	100
	60/64"	1-4/64"	B4[2]	RB4	12	BB4	10	25
	1-4/64"	1-12/64"	B5	---	12	---	---	25
3/4"	1-10/64"	1-20/64"	BU9[2]	RBU9	21	BBU9	18	50
	1-20/64"	1-32/64"	B9	RB9	21	---	---	25
	1-32/64"	1-44/64"	B10[2]	---	21	---	---	25

4-Bolt Type, 2-Gripping Fingers

Hose I.D.	Hose O.D. From	Hose O.D. To	Zinc Plated Iron Part #	Stainless Steel[3] Part #	Torque ft. lbs.[1]	Brass Part #	Torque ft. lbs.	Opt Qty
1"	1-34/64"	1-46/64"	BU14	RBU14	21	BBU14	18	25
	1-44/64"	1-60/64"	B14	RB14	21	---	---	25
	1-60/64"	2-8/64"	B15	---	21	---	---	20
1-1/4"	1-32/64"	1-50/64"	BU18	---	40	---	---	20
	1-50/64"	2-6/64"	BU19	---	40	---	---	10
	2-8/64"	2-24/64"	B19	RB19	40	---	---	10
1-1/2"	1-52/64"	2"	BU22	---	40	---	---	10
	2"	2-14/64"	B22	---	40	---	---	10
	2-12/64"	2-24/64"	BU24	RBU24	40	---	---	10
	2-24/64"	2-36/64"	B24	RB24	40	---	---	10
	2-36/64"	2-48/64"	B25	---	40	---	---	10
2"	2-22/64"	2-34/64"	BU28	---	60	---	---	9
	2-32/64"	2-50/64"	BU29	RBU29	60	---	---	10
	2-48/64"	3-4/64"	B29	RB29	60	---	---	10
	3-6/64"	3-28/64"	B30	---	60	---	---	5
2-1/2"	3-6/64"	3-28/64"	BU34	---	60	---	---	5
	3-32/64"	3-60/64"	B34	---	150	---	---	5
3"	3-32/64"	3-60/64"	BU35	RBU35	150	---	---	5
	3-52/64"	4-4/64"	B35	---	150	---	---	5
	4-4/64"	4-28/64"	B39	---	200	---	---	5

[1] Torque applies to plated iron and stainless steel clamps
[2] Global investment cast carbon steel
[3] 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.

D

Boss Clamps

⚠WARNING

- The bolts used in the Boss interlocking clamps are not standard bolts. They vary from standard bolts in their length, diameter, overall thread length, and material hardness. These bolts can be retorqued, but it is **not** recommended that the bolts or clamps be reused, as they are designed for a single bend only. Dixon® recommends using only factory supplied replacement bolts.
- Torque values for clamps are based on dry bolts. The use of lubricant on bolts will adversely effect clamp performance. *Do not lubricate nuts and bolts.*
- For all bolt tightening sequences, please visit dixonvalve.com

Feature

- Replacement nuts and bolts are available; contact Dixon for more information

Specifications

- Recommended for steam service up to **450°F (232°C)**
- Recommended torque rating in ft. lbs.

4-Bolt Type, 4-Gripping Fingers

Hose I.D.	Hose O.D. From	Hose O.D. To	Zinc Plated Iron Part #	Torque ft. lbs.	Opt Qty
1/2"	58/64"	1-2/64"	968	6	50
1"	1-26/64"	1-36/64"	156	21	20
1-1/4"	1-44/64"	1-56/64"	187	21	10
	1-56/64"	2-4/64"	206	21	20
1-1/2"	2"	2-8/64"	212	21	10
	2-4/64"	2-16/64"	225	40	10
2"	2-16/64"	2-32/64"	250[1]	40	10
	2-32/64"	2-48/64"	275[1]	40	10
	2-48/64"	3-4/64"	306[1]	60	5
2-1/2"	3-4/64"	3-32/64"	350	60	5
3"	3-32/64"	3-48/64"	375	60	5
	3-48/64"	4"	401	150	5
	4"	4-12/64"	418	200	2
	4-12/64"	4-32/64"	450	200	2

[1] Not to be used with GF81, GB26, WF81, B26, RGF81, RGB26, BGF81, RWF81, RB26

6-Bolt Type, 3-Gripping Fingers

Hose I.D.	Hose O.D. From	Hose O.D. To	Zinc Plated Iron Part #	Torque ft. lbs.	Opt Qty
3"	4-16/64"	4-52/64"	BS39	150	2
4"	4-40/64"	5"	B45	150	3
	4-56/64"	5-16/64"	BS49	200	2
	5-16/64"	5-38/64"	BU49	200	2
	5-34/64"	5-60/64"	B49	200	2

6 Bolt Type, 6 Gripping Fingers

Hose I.D.	Hose O.D. From	Hose O.D. To	Zinc Plated Iron Part #	Torque ft. lbs.	Opt Qty
6"	6-56/64"	7-24/64"	750	200	1
	7-32/64"	8"	850	200	1

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 169-170

Style	Hose Shank x NPT	Plated Steel/Iron Part #
Compact	1/2"	GDF6
	3/4"	GDF8
Heavy duty	3/4"	GDF10
	1"	GDF12

D

Stems

Style	Size	Plated Steel Part #
Compact	1/2"	GBA45
	3/4"	GBA46
Heavy duty	3/4"	GBB18
	1"	GBB11

Wing Nuts

Style	Size	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	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	Size	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	Size	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

D

Ground Joint Air Hammer Stems with Ferrule and Nut

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 #
	From	To	
1/2"	54/64"	58/64"	GBA45-P1
	58/64"	62/64"	GBA45-P2
	62/64"	1-1/32"	GBA45-P3
3/4"	1-5/32"	1-7/32"	GBA46-P1
	1-15/64"	1-9/32"	GBA46-P2
	1-19/64"	1-11/32"	GBA46-P3

NOTE: Spuds can be purchased separately

Heavy Duty Ground Joint Air Hammer Stems with Ferrule and Nut

Applications
- Designed for air and liquid applications where a permanent, low-profile clamping system is desired
- Not for steam service ⚠

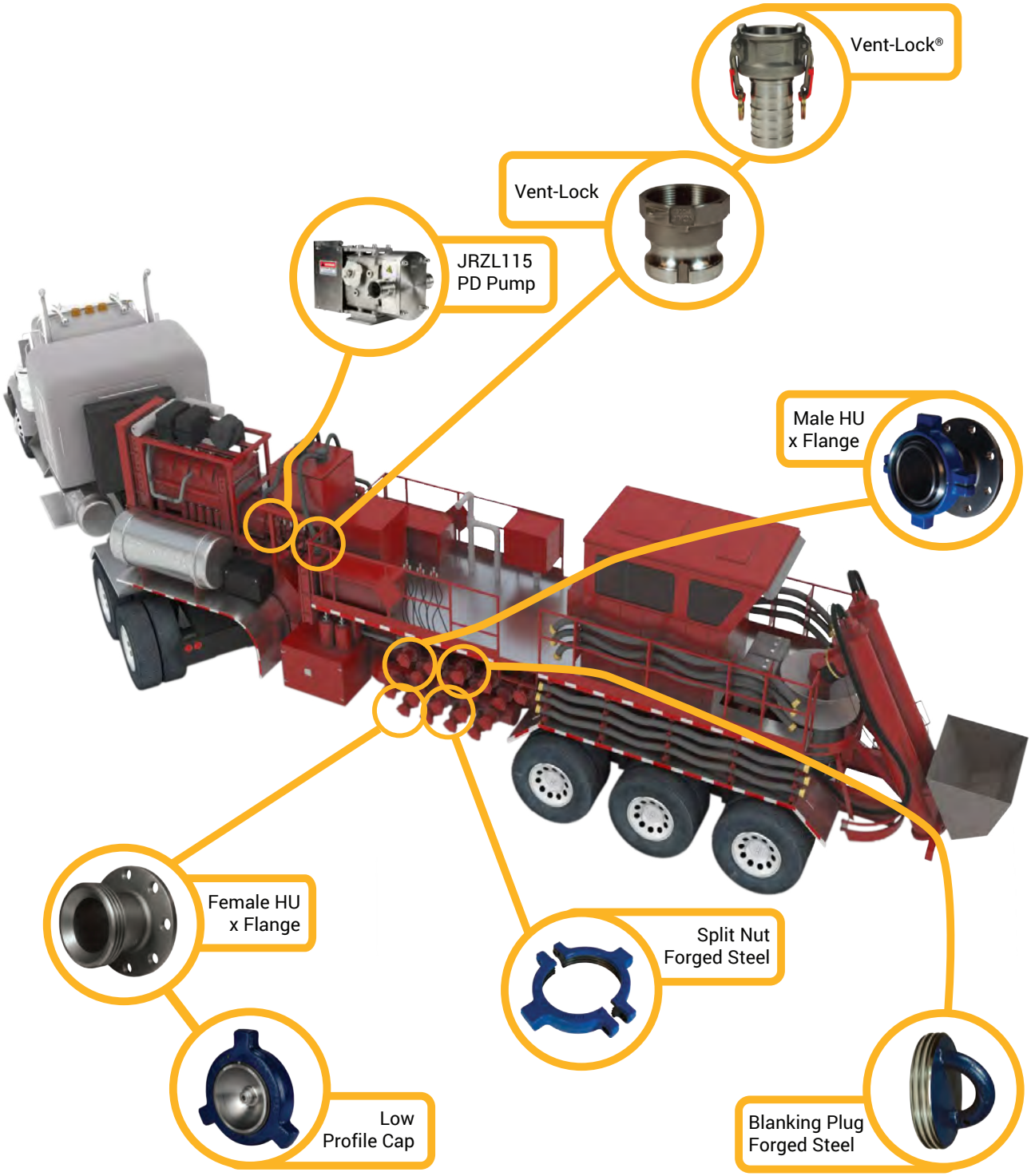
Features
- Supplied with carbon steel ferrules
- Consult Dixon® for swage and/or crimp specifications

Size	Hose O.D.		Plated Iron/Steel Part #
	From	To	
3/4"	1-5/32"	1-7/32"	GBB18-P1
	1-15/64"	1-9/32"	GBB18-P2
	1-19/64"	1-11/32"	GBB18-P3
1"	1-15/32"	1-17/32"	GBB11-P1
	1-35/64"	1-38/64"	GBB11-P2
	1-39/64"	1-21/32"	GBB11-P3

NOTE: Spuds can be purchased separately

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/en/boss-lps for the latest updates.



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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
- Machined iron or steel to ASTM standards; all stems zinc plated
- 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*.

4"

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

3" and 4"

6" and 8"

Female

Size	Figure	Part #
2"	206	HUF206200CS
3"	100	HUF100300CS
	206	HUF206300CS
4"	100	HUF100400CS
	206	HUF206400CS
6"	100	HUFALL600CS[2]
	206	
8"	100	HUFALL800CS[2]
	206	

[2] Meets both figure 100 and 206 dimensional specifications

Dixon® Boss LPS Frac Fittings

Male with Nut

Size	Figure	Part #
2"	200	HUM200200CS[1]
	206	HUM206200CS[2]
3"	100	HUM100300CS[1]
	200	HUM200300CS[1]
	206	HUM206300CS[2]
4"	100	HUM100400CS[1]
	200	HUM200400CS[1]
	206	HUM206400CS[2]
6"	100	HUM100600CS[1]
	200	HUM200600CS[1]
	206	HUM206600CS[2]
8"	100	HUM100800CS[1]
	200	HUM200800CS[1]
	206	HUM206800CS[2]

3" and 4"

6" and 8"

[1] Includes nut
[2] Includes nut and O-ring

Suction Service Fittings

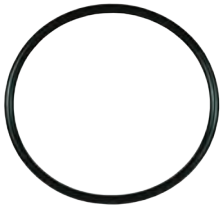
Size	Figure	Description	Forged Steel Part #
5"	50	socket weld x suction male hammer union (includes O-ring, no nut)	HUSM500SW-1
		socket weld x suction female hammer union	HUSF500SW
5"	N/A	split nut, suction and discharge, black	HUS500RN

HUSM500SW-1

HUSF500SW

D

Dixon Frac Fitting O-rings



Size	Figure	Nitrile Rubber Part #
3"	206	O238BU
4"	206	O347BU
6"	206	O440BU
8"	206	O447BU

King Crimp® Short Frac Ferrules

Features

- Schedule 40 plated carbon steel to ASTM standards
- Consult Dixon for additional ferrule sizes

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

A Major Milestone

1916 DIXON 2026

110 YEARS OF UNCOMMON EXCELLENCE®

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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 3-lug design for more surface area to hammer

Specification
- Cold working pressure: Figure 50 **500 PSI**, 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
5"	50	HUS500N
6"	100	HU100600N
	200/206	HU206600N
8"	100	HU100800N
	200/206	HU206800N

3" and 4"

5"

6" and 8"

Two-Piece

Applications
- Replacement for damaged hammer union nuts
- Used with male one-piece flange adapters

Features
- Lug design provides enlarged surface area to hammer
- Repair nut is pinned and bolted for perfect alignment
- Nut can be installed on pre-existing hammer union assembly
- 4" Figure 200/206 nut is interchangeable with reliable brands
- 6" and 8" Figure 100/200/206 nuts are interchangeable with reliable brands
- Available in other series and sizes; contact Dixon®

Specification
- Cold working pressure: Figure 50 **500 PSI,** Figure 100 **1,000 PSI,** Figure 200/206 **2,000 PSI**

figure 200/206

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 100

Size	Figure	Forged Steel AISI Standards Part #
4"	split nut, figure 200/206, blue (includes bolts)	HU200400RN
5"	split nut, figure 50, black (includes bolts)	HUS500RN
6"	split nut, figure 100, black (includes bolts)	HU100600RN
	split nut, figure 200/206, blue (includes bolts)	HU200600RN
8"	split nut, figure 100, black (includes bolts)	HU100800RN
	split nut, figure 200/206, blue (includes bolts)	HU200800RN

Three-Piece

Features
- Replacement for damaged hammer union nuts
- Used with male one-piece flange adapters
- Can use tools/wrench made for loosening and tightening nuts

Specification
- Cold working pressure: Figure 200/206 **2,000 PSI**

figure 200/206

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

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
- Metal to metal sealing surface
- Yellow sub, black nut

Specification
- Used on low pressure manifolds and lines and in applications running air, water, oil, or gas up to **1,000 PSI NSCWP** (non-shock cold working pressure)

Size	Configuration	Forged Steel Part #
2"	threaded	HU100200
	butt weld	HU100200BW[1]
2-1/2"	threaded	HU100250
3"	threaded	HU100300
4"	threaded	HU100400
	butt weld	HU100400BW[1]
6"	threaded	HU100600
8"	threaded	HU100800

[1] Butt weld ends are schedule 40

200-Series

Features
- Metal to metal sealing surface
- Grey sub, blue nut

Specification
- Used in general service applications running air, water, oil, or gas up to **2,000 PSI NSCWP** (non-shock cold working pressure)

Size	Configuration	Forged Steel Part #
1"	threaded	HU200100
1-1/2"	threaded	HU200150
2"	threaded	HU200200
	butt weld	HU200200BW[1]
2-1/2"	threaded	HU200250
3"	threaded	HU200300
4"	threaded	HU200400
6"	threaded	HU200600
8"	threaded	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, or gas up to **2,000 PSI NSCWP** (non-shock cold working pressure)

Size	Configuration	Forged Steel Part #
1"	threaded	HU206100
1-1/2"	threaded	HU206150
2"	threaded	HU206200
2-1/2"	threaded	HU206250
3"	threaded	HU206300
4"	threaded	HU206400
6"	threaded	HU206600
8"	threaded	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 and retaining ring	HUC100400
	206	includes nut/plug body, O-ring, and retaining ring	HUC206400
		blue with nut/plug body, O-ring, and retaining ring with bolt and chain	HUC206400BC
	207	cap and O-ring	HUC207400
		blanking cap O-ring 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
		plug with chain and D-link (shackle/bolt)	HUP207400DC
6"	100/200/206	lug only, connects to figures 100/200/206	HUPALL600
8"	100/200/206	plug only, connects to figures 100/200/206	HUPALL800

HUP207400

HUPALL600

Low Pressure Blanking Plugs

Size	Figure	Description	Forged Steel Part #
5"	50	plug only, working pressure **500 PSI**	HUSP500

HUSP500

O-ring

Size	Nitrile Rubber Part #
4"	O429BU

D

Dixon® Boss LPS One-Piece Flange Adapters

Applications

- Used in the transfer of water, brine, water-based chemicals, water-based acids, and gelatinous proppant (sand) slurry used at hydraulic fracturing sites
- Use with two-piece nut

Features

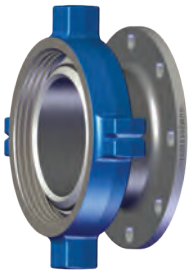
- Flange x female or male hammer union straights (standard or short length)
- 45° elbows in female and male (flange x hammer union)
- No welds or pipe threads to deteriorate and cause premature leakage
- Two-piece nut is pinned and bolted for perfect alignment
- All 4" Figure 206 threads are interchangeable with other reliable brands
- 125# flange match the bolt pattern of 150# flange
- Iron adapters meet ASTM standards
- Forged steel nuts meet AISI standards

HUF206400FLG

Flange Adapters – Straight

Size	Figure	Description	Overall Length	Iron Part #
4"	206	female hammer union x 125# flange	5-1/8"	HUF206400FLG
		male hammer union x 125# flange includes nut and nitrile rubber O-ring	5-9/16" (with nut)	HUM206400FLG
6"	100/200/206	125# flange x female hammer union; connects to figures 100/200/206	4-1/2"	HUFALL600FLG
	206	125# flange x male (includes iron nut and O-ring)	4-15/16" (with nut)	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 iron nut and O-ring)	5-7/32" (with nut)	HUM206800FLG[1]

[1] Nut is iron



HUM206400FLG-ST

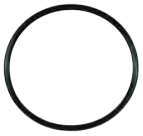
Flange Adapters – Short

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

HUM206400FLG-45

Flange Adapters – 45° Elbow

Size	Figure	Description	Overall Length	Iron Part #
4"	206	female hammer union x 125# flange 45° elbow	10-31/32"	HUF206400FLG-45
		male hammer union x 125# flange 45° elbow includes nut and nitrile rubber O-ring	12-1/32" (with nut)	HUM206400FLG-45



O-ring

Size	Nitrile Rubber Part #
4"	O347BU

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

Dixon® Boss LPS One-Piece Adapters

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
- Includes 4" repair nut

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 90° elbow	HUMF20640090

HUMF20640045

HUMF20640090

Value Proposition

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D

King Crimp® Sleeves

Large Sleeves

Hose I.D.	Sleeve I.D.	Sleeve Wall Thickness	Sleeve Overall Length	Carbon Steel Part #
6"	6.44"	0.120"	5.50"	S6438X550X120CS
	7.00"	0.120"	4.00"	S700X400X120CS
	7.00"	0.120"	6.00"	S700X600X120CS
8"	8.30"	0.120"	8.75"	S830X875X120CS
	8.38"	0.120"	6.00"	S838X600X120CS
	8.50"	0.120"	6.50"	S850X650X120CS
	8.75"	0.120"	6.00"	S875X600X120CS
	8.98"	0.120"	8.75"	S898X875X120CS
	9.00"	0.090"	4.00"	S900X400X090CS
	9.00"	0.120"	4.00"	S900X400X120CS
	9.00"	0.120"	6.00"	S900X600X120CS
	9.10"	0.120"	4.00"	S910X400X120CS
	9.12"	0.120"	6.00"	S912X600X120CS
	9.15"	0.120"	6.00"	S915X600X120CS
	9.25"	0.120"	4.00"	S925X400X120CS
	9.25"	0.120"	6.00"	S925X600X120CS
	9.50"	0.120"	4.00"	S950X400X120CS
	9.50"	0.120"	6.00"	S950X600X120CS
	9.75"	0.120"	6.00"	S975X600X120CS
10"	10.25"	0.120"	7.50"	S1025X750X120CS
	10.50"	0.120"	7.50"	S1050X750X120CS
	11.00"	0.120"	6.00"	S1100X600X120CS
	11.25"	0.120"	7.50"	S1125X750X120CS
	11.75"	0.120"	6.00"	S1175X600X120CS
	11.75"	0.120"	7.50"	S1175X750X120CS
12"	12.44"	0.120"	9.00"	S1244X900X120CS
	12.75"	0.120"	8.00"	S1275X800X120CS
	13.25"	0.120"	7.50"	S1325X750X120CS
	13.25"	0.120"	8.00"	S1325X800X120CS
	13.25"	0.120"	9.50"	S1325X950X120CS
	13.75"	0.120"	7.50"	S1375X750X120CS
14"	14.00"	0.120"	8.00"	S1400X800X120CS
	14.00"	0.120"	9.50"	S1400X950X120CS

NOTE: Consult Dixon® for additional sleeve sizes

King Crimp® Heavy Duty Combination Nipples

Combination Nipples – Heavy Duty, NPT 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	Schedule 80 Steel Part#
4"	STC40CSHD

Ferrules – Heavy Duty

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

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

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

D

Dixon® Boss LPS Butterfly Valves

Actuated Butterfly Valve

Applications
- Designed for all low-pressure hydraulic fracturing applications; low-pressure transfer of water, acids, chemicals, slurries, and other liquids

Sizes
- 2", 3", 4", 5", 6", and 8"

Materials
- Body: ductile iron
- Disc: see table below
- Seat: see table below
- Bushings: PTFE
- O-rings: nitrile rubber
- Stems: 416 stainless steel
- Retaining pins: stainless steel
- Handle: malleable iron

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

Size	Description	Halliburton SAP#	Dixon Part #	Max. Working Pressure (PSI)	Temperature-Range
2”	GS – cold NBR seat with DI disc	100001057	2BF416DITF-NBR	**200**	**-20°F** to **200°F**
2”	CS – FKM seat with Halar® DI disc	---	2BF416HATF-FKM	**200**	**0°F** to **200°F**
2”	CS – FKM seat with 316 stainless steel disc	---	2BF416SSTF-FKM	**200**	**0°F** to **200°F**
3”	GS – cold NBR seat with DI disc	100001137	3BF416DITF-NBR	**200**	**-20°F** to **200°F**
3”	CS – FKM seat with Halar DI disc	---	3BF416HATF-FKM	**200**	**0°F** to **200°F**
3”	CS – FKM seat with 316 stainless steel DI disc	---	3BF416SSTF-FKM	**200**	**0°F** to **200°F**
4”	GS – cold NBR seat with DI disc	100001149	4BF416DITF-CNBR	**200**	**-20°F** to **200°F**
4”	GS – FKM seat with DI disc	---	4BF416DITF-FKM	**200**	**0°F** to **200°F**
4”	CS – FKM seat with Halar DI disc	---	4BF416HATF-FKM	**200**	**0°F** to **200°F**
4”	DS – red natural rubber seat with carburized 8620 disc	100001151	4BF416CBTF-RNR	**50**	**-20°F** to **150°F**
4”	WS – cold NBR seat with carburized 8620 disc	---	4BF416CBTF-CNBR	**200**	**-20°F** to **200°F**
5”	GS – cold NBR seat with DI disc	100001178	5BF416DITF-NBR	**200**	**-20°F** to **200°F**
5”	DS – red natural rubber seat with carburized 8620 disc	100001179	5BF416CBTF-RNR	**50**	**-20°F** to **150°F**
5”	WS – cold NBR seat with carburized 8620 disc	---	5BF416CBTF-NBR	**200**	**-20°F** to **200°F**
6”	GS – cold NBR seat with DI disc	100001186	6BF416DITF-NBR	**200**	**-20°F** to **200°F**
8”	GS – cold NBR seat with DI disc	100001193	8BF416DITF-NBR	**175**	**-20°F** to **200°F**

NOTE: GS – General Service, CS – Chemical Service, DS – Dry Service, WS – Wet Service
Dixon provides actuation services for industrial and sanitary valves.

Frac Pump Elbow Adapters

Applications
- Simplifies the plumbing to and from pumps
- Eliminates multiple adapters and thread connections

Specifications
- Working pressure: **250 PSI**
- 316 stainless steel meets AISI standards

Features
- Used with RZL positive displacement frac pumps
- Reduces leak paths
- 90° elbows that reduces leak paths

Material
- Seal: rubber (styrene butadiene)

Male Cam & Groove Adapter and NPSM Swivel Nut

Size	316 Stainless Steel Part #
1" x 1-1/2"	RPDA901510
1-1/2" x 1-1/2"	RPDA90150

Male NPT and NPSM Swivel Nut

Size	316 Stainless Steel Part #
1" x 1-1/2"	RPDM901510
1-1/2" x 1-1/2"	RPDM90150

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D

Vent-Lock® Safety Cam & 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 & 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 and 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 and 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 and 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 & Groove Couplings

Type D Couplers
Coupler and Female NPT

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

Type E Adapters
Adapter and 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 F Adapters
Adapter and MNPT

Size	316 Stainless Steel Part #
1"	L100-F-SS
2"	L200-F-SS
3"	L300-F-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

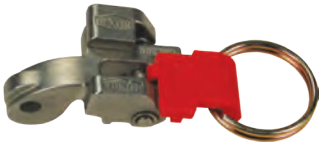
Accessories

Dixon® Handle Assemblies

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

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

EZ Boss-Lock Handle Assemblies



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

Cast Steel Industrial Valves 150 Lb.

Features
- Bolted bonnet
- MTRs available

Materials
- Body and bonnet made from cast A216 WCB
- Gasket: 304 stainless steel and graphite

Specifications
- End configuration: raised face (RF)
- Basic design: API 600 – Gate valve
  API 623 – Globe valve
  API 594 – Check valve
- End flange: ASME B16.5
- Face to face: ASME B16.10

Gate Valve

Part #	Size	Class	Ends	API Trim	Weight (lbs)	Cv (gpm)
D861008-300	3”	150	RF	8	64	109.7
D861008-400	4”	150	RF	8	87	190.0
D861008-600	6”	150	RF	8	149	427.5
D861008-800	8”	150	RF	8	229	759.8

Globe Valve

Part #	Size	Class	Ends	API Trim	Weight (lbs)	Cv (gpm)
D851008-300	3”	150	RF	8	82	116.5
D851008-400	4”	150	RF	8	126	182.1
D851008-600	6”	150	RF	8	197	409.6
D851008-800	8”	150	RF	8	325	728.2

Check Valve

Part #	Size	Class	Ends	API Trim	Weight (lbs)	Cv (gpm)
D891008-300	3”	150	RF	8	51	108.4
D891008-400	4”	150	RF	8	85	197.9
D891008-600	6”	150	RF	8	134	445.2
D891008-800	8”	150	RF	8	227	799.4

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E

⚠WARNING

The constant vibration created by air tools, like air drills and pavement breakers, is destructive to air hose couplings, especially the quick-acting type. To provide protection against coupling breakage and related hazards, Dixon® recommends the use of a whip hose. To construct a whip hose, connect one end of a short (3' to 10') air hose to the air tool using a 3500 type steel nipple. Connect the other end of the hose to the air supply using the standard quick-acting coupling. The heat-treated 3500 nipple will withstand vibration far better than the standard coupling and provide a safer connection. The whip hose should remain permanently connected to the tool.

E

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

- 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"	---	---	---	---	RAMH
1/2"	AM1	50	---	---	RAM1
5/8	AM5	50	---	---	---
3/4"	AM6	50	---	---	RAM6
1"	AM11	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	---	---	RAM2
3/4"	AM7	50	---	---	RAM7
1"	AM12	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	---	---	RAM3
3/4"	AM8	50	---	---	RAM8
1"	AM13	50	---	---	RAM13

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

Air King®

2-Lug Blank Ends

Iron Part #	316 Stainless Steel Part #	Optional Qty
AM0	RAM0	25

2-Lug Triple Connections

Iron Part #	Optional Qty
AM10	25

NOTE: Includes three AC1 clips

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 167-168
- 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 196

Specification

- Pressure rating: **150 PSI** at ambient temperature **70°F (21°C)**

E

2-Lug Hose Ends

Size	Plated Steel Part #	Pkg Qty	Brass Part #	Pkg Qty
3/8"	GAMH	50	GABH	50
1/2"	GAM1	50	GAB1	25
3/4"	GAM6	50	GAB6	50
1"	GAM11	50	GAB11	50

Global 2-Lug Hose End with Ferrule

Size	Plated Steel Part #	Pkg Qty
3/4"	GAM6WF	25

2-Lug Male NPT Ends

Size	Plated Steel Part #	Brass Part #	Pkg Qty
1/2"	GAM2	GAB2	50
3/4"	GAM7	GAB7	50
1"	GAM12	GAB12	50

2-Lug Female NPT Ends

Size	Plated Steel Part #	Brass Part #	Optional Qty
1/2"	GAM3	GAB3	25
3/4"	GAM8	GAB8	50
1"	GAM13	GAB13	50

2-Lug Blank End

Plated Steel Part #	Brass Part #	Optional Qty
GAM0	GAB0	25

2-Lug Triple Connection

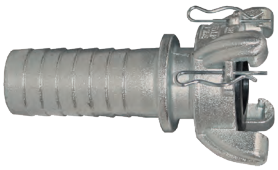
Plated Steel Part #	Brass Part #	Optional Qty
GAM10	GAB10	25

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

Global Air King®

4-Lug Hose Ends

Size	Plated Steel Part #	Optional Qty
1-1/4"	GAM16	25
1-1/2"	GAM21	25
2"	GAM26	10



4-Lug Female NPT Ends

Size	Plated Steel Part #	Optional Qty
1-1/4"	GAM18	25
1-1/2"	GAM23	25
2"	GAM28	20

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 192-193
- 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

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® with Ferrule

Features

- Design provides quick, easy, and effective coupling of air hose
- Interlocking ferrule can be crimped or swaged to achieve maximum coupling sealing and retention with a low-profile streamline appearance. For crimp or swage diameter recommendations go to dixonvalve.com
- For air and water service only

Specification

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

Size	Hose O.D.		Iron Part #	316 Stainless Steel Part #
	From	To		
1/2"	54/64"	1-2/64"	AM1WF	RAM1WF
3/4"	1-4/64"	1-22/64"	AM6WF	RAM6WF
1"	1-18/64"	1-34/64"	AM11WF-1	---
1"	1-30/64"	1-46/64"	AM11WF	---
2"	2-28/64"	2-40/64"	AM26WF	---

Air King with Gauge Port

Features

- Drilled with 1/4" NPT port for mounting a gauge
- Gauge sold separately

Size	Iron Part #	316 Stainless Steel Part #
3/4"	AM7T	RAM7T

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

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Air King 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

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 190-191

Hose I.D.	Hose O.D. From	Hose O.D. To	Plated Iron Part #	Torque ft. lbs.	Optional Qty
3/8"	44/64"	56/64"	CD[2]	6	100
1/2"	1"	1-12/64"	A4[2]	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

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® Accessories

Features
- The use of an Air King safety clip or wire type retainer is necessary to ensure couplings will not become accidentally disconnected, this guarantees the fittings are properly connected as the pin will not go through the holes in the mating flanges until couplings are locked in place
- Only one Air King safety clip or wire type retainer is required for each Air King universal coupling
- Sold in package quantities only

Standard Safety Clip

Feature
- Same size clip can be used for all coupling sizes

Wire Diameter	Part #	Pkg Qty
.080"	AC1	25

Safety Pins

Feature
- Heavy duty, oversized

Wire Diameter	Part #
.058"	AKSP1
.091"	AKSP25

Synthetic Lanyard

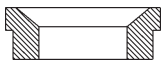
Features
- Synthetic cord
- Same size for all coupling sizes

Part #	Pkg Qty
ACL8	25

2-Lug Washers

AWR4

AWS6



Features
- 2-lug couplings use the same size washer, part numbers AWR4, AWS6
- Neoprene is oil resistant

Specifications
- Rubber temperature range: **-20°F** to **160°F (-29°C** to **71°C)**
- Neoprene temperature range: **-20°F** to **190°F (-29°C** to **88°C)**

Style	Rubber Part #	Neoprene Part #	Pkg Qty
2 lug	AWR4[1]	AWS6	50

[1] Made from styrene-butadiene (SBR)

4-Lug Washer

Feature
- 4-lug couplings use the same size washer, part number AWR14

Specifications
- Rubber temperature range: **-20°F** to **160°F (-29°C** to **71°C)**

Style	Rubber Part #
4 lug	AWR14

Sand Blast Couplings

Features
- Designed for use on sand blast hose
- Supplied with screws
- Nozzle holders have 1-1/4" NPSM thread
- Abrasive blasting equipment must have hose safety cables (page 271) 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 NPSM 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

E

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, 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

Sure-Lock® Couplings

Blank Ends

Head	Size	Part #	Optional Qty
small	1/2" to 1"	SL00	15
medium	1-1/2" to 2"	SL01[1]	3

[1] Medium blank end comes with 1" NPT pipe plug

Small blank end

Medium blank end [1]

Three Way Connectors

Head	Size	Part #	Optional Qty
small	1/2" to 1"	SL09	15
medium	1-1/2" to 2"	SL10[1]	3

[1] Medium three way connector comes with 1" NPT pipe plug

Small three way connector

Medium three way connector [1]

Safety Locking Pin

The use of a safety locking pin is necessary to ensure that Sure-Lock couplings will not become accidentally disconnected. This guarantees that the fittings are properly connected as the pin will not go through the holes in both couplings until the couplings are locked into place.

Part #	Optional Qty
SLP1	100

Replacement Seals

Head	Size	Part #
small	1/2" to 1"	SLR1
medium	1-1/2" to 2"	SLR2

Medium

E

Dix-Lock® N-Series Interchange Pneumatic Couplings

Features
- Bowes Interchange Bayonet Style
- Interchangeable with Bowes 51000-Series, National Series 'B', MacDonald Quick-Action, Campbell Single-Lock

Specifications
- Temperature range: **-40°F** to **250°F (-40°C** to **121°C)**
- Pressure rating: **300 PSI** in brass, **500 PSI** in steel and 303 stainless steel at ambient temperature **70°C (21°C)**
- Conforms to MIL-C-3486 and A-A-50431A standards

It is important to be safe when installing quick disconnect couplings into a pneumatic circuit. Never install a pneumatic coupling directly into an air tool. Use a piece of hose that is at least 18" long, between the tool and the coupling, to prevent damage to the coupling. To protect the operator, safety devices, such as a safety check valve and safety cable, should be installed in case there is a hose or coupling failure. For safety cables and check valves see pages 271, 280, and 924.

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

E

Dix-Lock® N-Series Interchange Pneumatic Couplings

Brass

Steel

303/316 stainless

Male End x Hose Barb Plugs

Body Size	Hose I.D.	Brass Part #	Steel Part #	303 Stainless Steel Part #	316 Stainless Steel Part #
3/8"	1/2"	---	N3CS4	---	---
1/2"	3/8"	N4S3-B	N4S3	---	---
	1/2"	N4S4-B	N4S4	---	---
	3/4"	N4S6-B	N4S6	N4S6-S	N4S6-SS
	1"	N4S8-B	N4S8	N4S8-S	N4S8-SS

Brass

Steel

303 stainless

Male End x Hose Barb Safety Lock Plugs

Body Size	Hose I.D.	Brass Part #	Steel Part #	303 Stainless Steel Part #
1/2"	1/2"	N4S4-B-LS	N4S4-LS	---
	3/4"	N4S6-B-LS	N4S6-LS	N4S6-S-LS

Gender Change Union

Body Size	Configuration	Steel Part #
1/2"	coupler to coupler	4N4N

Caps

Body Size	Cap Lanyard	Brass Part #	Steel Part #
1/2"	steel cable	N4DC-B	N4DC

Seals

Body Size	Coupler Style	Nitrile Part #	FKM Part #
3/8"	all	3N-SKIT	---
1/2"	all	4N-SKIT	F-4N-SKIT

Dix-Lock® N-Series Interchange Pneumatic Coupler with Ferrule

Features
- For crimp recommendations visit dixonvalve.com
- Also available in stainless steel. Contact Dixon® for further information.

Materials
- Machined components are manufactured using solid steel, brass, or 303 stainless steel bar stock
- Stainless steel retaining ring and spring maximize corrosion resistance and extend service life
- Steel componentry is plated using RoHS-compliant trivalent chrome

Specification
- Working pressure: **300 PSI** at ambient temperature **70°F (21°C)**

Interchange Data
- Bowes Interchange Bayonet Style
- Interchangeable with Bowes 51000-Series, National Series 'B', MacDonald Quick-Action, Campbell Single-Lock

Seal Components
- Nitrile rubber pneumatically energized seals are standard, temperature range **-40°F** to **250°F** (**-40°C** to **121°C**)

Female Head with Ferrule

Body Size	Hose I.D.	Hose O.D.		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	---
	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)**

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	---

[1] Steel/PTFE coating

steel

303 stainless

Male Thread Couplers

Body Size	Threads	Steel Part #	303 Stainless Steel Part #
1/2"	3/8" – 18 NPTF	4PM3	---
	1/2" – 14 NPTF	4PM4	---
	3/4" – 14 NPTF	4PM6	4PM6-S
	3/4" – 14 NPTF	4PM6-9[1]	---
	1" – 11-1/2 NPTF	4PM8	---

[1] Steel/PTFE coating

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

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

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

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DF-Series Industrial Pneumatic Couplings

Features
- Interchanges with other industrial interchange designs
- Interchanges with the MIL-C-4109F, 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 271 and 924.

Female Threaded Plugs

Body Size	Threads	Brass Part #	Steel Part #	303 Stainless Steel Part #
1/4"	1/8" – 27 NPTF	---	D2F1	---
	1/4" – 18 NPTF	D2F2-B	D2F2	D2F2-S
	1/4" – 19 BSPP	---	D2BF2	---
	3/8" – 18 NPTF	D2F3-B	D2F3	D2F3-S
	3/8" – 19 BSPP	---	D2BF3	---
3/8"	1/4" – 18 NPTF	---	D3F2	---
	3/8" – 18 NPTF	D3F3-B	D3F3	D3F3-S
	3/8" – 19 BSPP	---	D3BF3	---
	1/2" – 14 NPTF	---	D3F4	---
1/2"	3/8" – 18 NPTF	---	D4F3	---
	1/2" – 14 NPTF	D4F4-B	D4F4	D4F4-S
	1/2" – 14 BSPP	---	D4BF4	---
	3/4" – 14 NPTF	D4F6-B	D4F6	---
3/4"	1/2" – 14 NPTF	---	D6F4	---
	3/4" – 14 NPTF	---	D6F6	---
	1" – 11-1/2 NPTF	---	D6F8	---

Brass

Steel

303 Stainless

Male Threaded Plugs

Body Size	Threads	Brass Part #	Steel Part #	303 Stainless Steel Part #
1/4"	1/8" – 27 NPTF	D2M1-B	D2M1	D2M1-S
	1/4" – 18 NPTF	D2M2-B	D2M2	D2M2-S
	1/4" – 19 BSPT	---	D2BM2	---
	3/8" – 18 NPTF	D2M3-B	D2M3	D2M3-S
	3/8" – 19 BSPT	---	D2BM3	---
3/8"	1/4" – 18 NPTF	---	D3M2	---
	3/8" – 18 NPTF	D3M3-B	D3M3	D3M3-S
	3/8" – 19 BSPT	---	D3BM3	---
	1/2" – 14 NPTF	---	D3M4	---
1/2"	1/4" – 18 NPTF	---	D4M2	---
	3/8" – 18 NPTF	---	D4M3	---
	1/2" – 14 NPTF	D4M4-B	D4M4	D4M4-S
	1/2" – 14 BSPT	---	D4BM4	---
	3/4" – 14 NPTF	D4M6-B	D4M6	---
3/4"	1/2" – 14 NPTF	---	D6M4	---
	3/4" – 14 NPTF	---	D6M6	---
	1" – 11-1/2 NPTF	---	D6M8	---

Brass

Steel

303 stainless

E

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	Brass Part #	303 Stainless Steel Part #
1/4"	1/8" – 27 NPTF	2DF1-B	---
	1/4" – 18 NPTF	2DF2-B	2DF2-S
	1/4" – 19 BSPP	2DBF2-B	---
	3/8" – 18 NPTF	2DF3-B	2DF3-S
	3/8" – 19 BSPP	2DBF3-B	---
3/8"	1/4" – 18 NPTF	3DF2-B	---
	3/8" – 18 NPTF	3DF3-B	3DF3-S
	3/8" – 19 BSPP	3DBF3-B	---
	1/2" – 14 NPTF	3DF4-B	---
1/2"	3/8" – 18 NPTF	4DF3-B	---
	1/2" – 14 NPTF	4DF4-B	4DF4-S
	1/2" – 14 BSPP	4DBF4-B	---
	3/4" – 14 NPTF	4DF6-B	---
3/4"	1/2" – 14 NPTF	6DF4-B	---
	3/4" – 14 NPTF	6DF6-B	---
	1" – 11-1/2 NPTF	6DF8-B	---

Manual Female Threaded Couplers

Brass

Steel

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" – 14 NPTF	---	3FF4	---
1/2"	3/8" – 18 NPTF	---	4FF3	---
	1/2" – 14 NPTF	---	4FF4	4FF4-S
	1/2" – 14 BSPP	---	4FBF4	---
	3/4" – 14 NPTF	---	4FF6	---

DF-Series Industrial Pneumatic Couplings

Automatic Male Threaded Couplers

Body Size	Threads	Brass Part #	303 Stainless Steel Part #
1/4"	1/8" – 27 NPTF	2DM1-B	---
	1/4" – 18 NPTF	2DM2-B	2DM2-S
	1/4" – 19 BSPT	2DBM2-B	---
	3/8" – 18 NPTF	2DM3-B	2DM3-S
	3/8" – 19 BSPT	2DBM3-B	---
3/8"	1/4" – 18 NPTF	3DM2-B	---
	3/8" – 18 NPTF	3DM3-B	3DM3-S
	3/8" – 19 BSPT	3DBM3-B	---
	1/2" – 14 NPTF	3DM4-B	---
1/2"	3/8" – 18 NPTF	4DM3-B	---
	1/2" – 14 NPTF	4DM4-B	4DM4-S
	1/2" – 14 BSPT	4DBM4-B	---
	3/4" – 14 NPTF	4DM6-B	---
3/4"	1/2" – 14 NPTF	6DM4-B	---
	3/4" – 14 NPTF	6DM6-B	---
	1" – 11-1/2 NPTF	6DM8-B	---

Brass

303 stainless

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

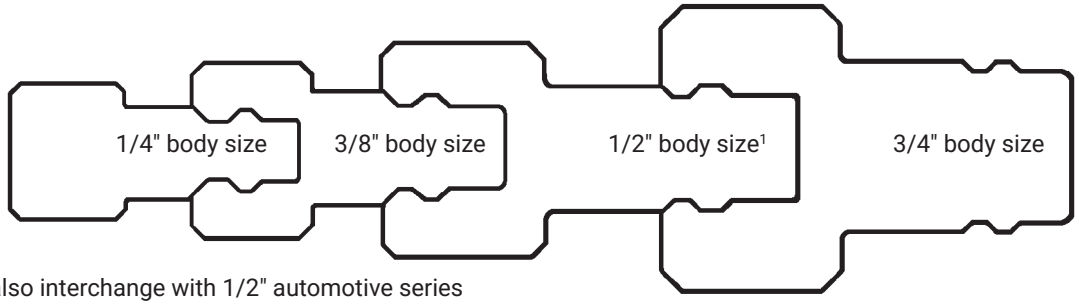
Brass

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 Actual Size Profile Charts



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

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

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
	3/8"	---	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

E

J-Series Automotive Pneumatic Couplings

Feature

- Interchanges with Tru-Flate automotive interchange style, Parker 10-Series, Rectus 55KM, and Amflo T-Series

Specifications

- Pressure rating: brass coupler/steel plug and steel coupler/steel plug: **500 PSI**, brass coupler/brass plug: **300 PSI**
- Temperature range: **-40°F** to **250°F (-40°C** to **121°C)**

Operating pressure for couplings utilizing hose barb end connections may be dramatically reduced to that of the hose rating and/or hose end connection combination. Consult hose manufacturer's catalog for hose end connection ratings. If in doubt, test under controlled conditions for suitability to application. Dixon® cannot assume liability for misapplication of production resulting in equipment downtime, lost production, and/or personal injury including death.

Brass

Steel

Female Threaded Plugs

Body Size	Threads	Brass Part #	Steel Part #
1/4"	1/8" – 27 NPTF	---	J2F1
	1/4" – 18 NPTF	J2F2-B	J2F2
	3/8" – 18 NPTF	---	J2F3
3/8"	1/4" – 18 NPTF	---	J3F2
	3/8" – 18 NPTF	---	J3F3
	1/2" – 14 NPTF	---	J3F4
1/2"	3/8" – 18 NPTF	---	J4F3
	1/2" – 14 NPTF	---	J4F4
	3/4" – 14 NPTF	---	J4F6

Brass

Steel

Male Threaded Plugs

Body Size	Threads	Brass Part #	Steel Part #
1/4"	1/8" – 27 NPTF	---	J2M1
	1/4" – 18 NPTF	J2M2-B	J2M2
	3/8" – 18 NPTF	---	J2M3
3/8"	1/4" – 18 NPTF	---	J3M2
	3/8" – 18 NPTF	---	J3M3
	1/2" – 14 NPTF	---	J3M4
1/2"	3/8" – 18 NPTF	---	J4M3
	1/2" – 14 NPTF	---	J4M4
	3/4" – 14 NPTF	---	J4M6

Standard Hose Barb Plugs

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

J-Series Automotive Pneumatic Couplings

Female Threaded Couplers

Body Size	Threads	Brass Part #	Steel Part #
1/4"	1/8" – 27 NPTF	2JF1-B	---
	1/4" – 18 NPTF	2JF2-B	---
	3/8" – 18 NPTF	2JF3-B	---
3/8"	1/4" – 18 NPTF	---	3JF2
	3/8" – 18 NPTF	---	3JF3
	1/2" – 14 NPTF	---	3JF4

NOTE: 1/2" body J-Series plugs are used with 1/2" body DF-Series manual couplers on page 207

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 207

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 207

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 207

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

E

M-Series ARO Pneumatic Couplings

Features
- Automatic couplings interchange with ARO 210/310 designs and Hansen Series 210/310
- Manual couplings interchange with Parker 50-Series and Amflo Type 'B'

Specifications
- 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 271, 280, and 924.

Brass

Steel

Female Threaded Plugs

Body Size	Threads	Brass Part #	Steel Part #
1/4"	1/4" – 18 NPTF	M2F2-B	M2F2
	3/8" – 18 NPTF	---	M2F3
3/8"	3/8" – 18 NPTF	---	M3F3

Brass

Steel

Male Threaded Plugs

Body Size	Threads	Brass Part #	Steel Part #
1/4"	1/1/8" – 27 NPTF	---	M2M1
	1/4" – 18 NPTF	M2M2-B	M2M2
	3/8" – 18 NPTF	---	M2M3
3/8"	3/8" – 18 NPTF	---	M3M3

Standard Hose Barb Plugs

Body Size	Hose I.D.	Steel Part #
1/4"	1/4"	M2S2
	3/8"	M2S3
3/8"	3/8"	M3S3

Automatic Female Threaded Couplers

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

Manual Female Threaded Couplers

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

M-Series ARO Pneumatic Couplings

Automatic Male Threaded Couplers

Body Size	Threads	Steel/Brass Part #
1/4"	1/4" – 18 NPT	2MM2-PL
	3/8" – 18 NPT	2MM3-PL
3/8"	3/8" – 18 NPT	3MM3-PL
	1/2" – 14 NPTF	3MM4-PL

Manual Male Threaded Couplers

Body Size	Threads	Brass Part #
1/4"	1/4" – 18 NPT	2MM2-B
	3/8" – 18 NPT	2MM3-B

Automatic Standard Hose Barb Couplers

Body Size	Hose I.D.	Steel/Brass Part #
1/4"	1/4"	2MS2-PL
	5/16"	2MS2.5-PL
	3/8"	2MS3-PL
3/8"	3/8"	3MS3-PL

Manual Standard Hose Barb Couplers

Body Size	Hose I.D.	Brass Part #
1/4"	1/4"	2MS2-B
	3/8"	2MS3-B

Push-Loc Barb Plug

Body Size	Hose I.D.	Steel Part #
1/4"	1/4"	M2B2

E

CJ-Series Pneumatic Couplings

Features
- European high-flow interchange
- 1/4" interchanges with Coilhose Megaflow, CEJN 320, and Rectus 25KA/26KA; 3/8" interchanges with Rectus 27KA and CEJN 410

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

Brass

Steel

Female Threaded Plugs

Body Size	Threads	Brass Part #	Steel Part #
1/4"	1/4" – 18 NPT	CJ2F2-B	CJ2F2-LG
	1/4" – 19 BSPP	CJ2BF2-B	CJ2BF2-LG
	3/8" – 18 NPT	CJ2F3-B	CJ2F3-LG
	3/8" – 19 BSPP	CJ2BF3-B	CJ2BF3-LG
3/8"	3/8" – 18 NPT	CJ3F3-B	CJ3F3
	3/8" – 19 BSPP	CJ3BF3-B	CJ3BF3
	1/2" – 14 NPT	CJ3F4-B	---
	1/2" – 14 BSPP	CJ3BF4-B	CJ3BF4

Brass

Steel

Male Threaded Plugs

Body Size	Threads	Brass Part #	Steel Part #
1/4	1/4" – 18 NPT	CJ2M2-B	CJ2M2-LG
	1/4" – 19 BSPT	CJ2BM2-B	CJ2BM2-LG
	3/8" – 18 NPT	CJ2M3-B	CJ2M3-LG
	3/8" – 19 BSPT	CJ2BM3-B	CJ2BM3-LG
3/8"	3/8" – 18 NPT	CJ3M3-B	CJ3M3
	3/8" – 19 BSPT	CJ3BM3-B	CJ3BM3
	1/2" – 14 NPT	CJ3M4-B	CJ3M4

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

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 **121°C)**

Operating pressure for couplings utilizing hose barb end connections may be dramatically reduced to that of the hose rating and/or hose end connection combination. Consult hose manufacturer's catalog for hose end connection ratings. If in doubt, test under controlled conditions for suitability to application. Dixon® Quick Coupling cannot assume liability for misapplication of production resulting in equipment downtime, lost production, and/or personal injury, including death.

Female Threaded Plugs

Body Size	Threads	Steel Part #
1/4"	1/8" – 27 NPT	SHD2F1
	1/4" – 18 NPT	SHD2F2
1/2"	3/8" – 18 NPT	SHD4F3

Male Threaded Plugs

Body Size	Threads	Steel Part #
1/4"	1/8" – 27 NPT	SHD2M1
	1/4" – 18 NPT	SHD2M2
1/2"	3/8" – 18 NPT	SHD4M3
	1/2" – 14 NPT	SHD4M4

Female Threaded Couplers

Body Size	Threads	Aluminum Part #
1/4"	1/4" – 18 NPT	2SHDF2
	3/8" – 18 NPT	2SHDF3
1/2"	3/8" – 18 NPT	4SHDF3
	1/2" – 14 NPT	4SHDF4
	3/4" – 14 NPT	4SHDF6

Male Threaded Couplers

Body Size	Threads	Aluminum Part #
1/4"	1/4" – 18 NPT	2SHDM2
	3/8" – 18 NPT	2SHDM3
1/2"	3/8" – 18 NPT	4SHDM3
	1/2" – 14 NPT	4SHDM4

SHD-Series Schrader Pneumatic Couplings

Standard Hose Barb Plugs

Body Size	Hose I.D.	Steel Part #
1/4"	1/4"	SHD2S2
	3/8"	SHD2S3
1/2"	3/8"	SHD4S3
	1/2"	SHD4S4

Standard Hose Barb Couplers

Body Size	Hose I.D.	Aluminum Part #
1/4"	1/4"	2SHDS2
	3/8"	2SHDS3
1/2"	3/8"	4SHDS3
	1/2"	4SHDS4

L-Series Lincoln Pneumatic Couplings

Features
- Lincoln Long-Nose Automotive Interchange
- Interchanges with Parker 70-Series, Tomco Series-1110, Coilhose Type-17

Specifications
- Pressure rating: **300 PSI**
- Temperature range: **-40°F** to **250°F (-40°C** to **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 280 and 924.

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 Coilhose Series US
- 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 **121°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

E

NK-Series Japanese Pneumatic Couplings

Features
- Japanese Industrial Interchange Pneumatic Coupling
- Interchanges with Nitto Kohki Hi-Cupla 200, Rectus Series 13, and CEJN Series 315

Specifications
- Nitrile rubber seals are standard temperature range **-40°F** to **250°F (-40°C** to **121°C)**
- Pressure rating: **300 PSI**

Female Threaded Plugs

Body Size	Threads	Steel Part #
1/4"	1/4" – 18 NPT	NK2F2
	1/4" – 19 BSPP	NK2BF2

Male Threaded Plugs

Body Size	Threads	Steel Part #
1/4"	1/4" – 18 NPT	NK2M2
	1/4" – 19 BSPP	NK2BM2

Hose Barb Plug

Body Size	Hose I.D.	Steel Part #
1/4"	1/4"	NK2S2

Female Threaded Couplers

Body Size	Threads	Steel Part #
1/4"	1/4" – 18 NPT	2NKF2
	1/4" – 19 BSPP	2NKBF2

Male Threaded Couplers

Body Size	Threads	Steel Part #
1/4"	1/4" – 18 NPT	2NKM2
	1/4" – 19 BSPP	2NKBM2

Hose Barb Coupler

Body Size	Hose I.D.	Steel Part #
1/4"	1/4"	2NKS2

BR-Series Pneumatic Couplings

Feature
- Interchange data: Rectus 21KA, Tomco Series SC, CEJN Series 223

Specifications
- Nitrile rubber seals are standard temperature range **-40°F** to **250°F (-40°C** to **121°C)**
- Pressure rating: **300 PSI**

Female Threaded Plugs

Body Size	Threads	Brass Part #
1/8"	1/8" – 27 NPT	BR1F1-B-E-7
	1/8" – 28 BSPP	BR1BF1-B-E-7
	1/4" – 18 NPT	BR1F2-B-E-7
	1/4" – 19 BSPP	BR1BF2-B-E-7

Male Threaded Plugs

Body Size	Threads	Brass Part #
1/8"	1/8" – 27 NPT	BR1M1-B-E-7
	1/8" – 28 BSPP	BR1GM1-B-E-7
	1/4" – 18 NPT	BR1M2-B-E-7
	1/4" – 19 BSPP	BR1GM2-B-E-7

Female Threaded Couplers

Body Size	Threads	Brass Part #
1/8"	1/8" – 27 NPT	1BRF1-B-7
	1/8" – 28 BSPP	1BRBF1-B-7
	1/4" – 18 NPT	1BRF2-B-7
	1/4" – 19 BSPP	1BRBF2-B-7

Male Threaded Couplers

Body Size	Threads	Brass Part #
1/8"	1/8" – 27 NPT	1BRM1-B-7
	1/8" – 28 BSPP	1BRGM1-B-7
	1/4" – 18 NPT	1BRM2-B-7
	1/4" – 19 BSPP	1BRGM2-B-7

Hose Barb Plugs

Body Size	Hose I.D.	Brass Part #
1/8"	4mm	BR1S1.25-B-E-7
	6mm	BR1S1.86-B-E-7
	9mm	BR1S2.83-B-E-7

Hose Barb Couplers

Body Size	Hose I.D.	Brass Part #
1/8"	4mm	1BRS1.25-B-7
	6mm	1BRS1.86-B-7
	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

Female Threaded Plugs

Body Size	Threads	Brass Part #	Steel Part #
1/8"	1/8" – 27 NPTF	A1F1-B	---
1/4"	1/8" – 27 NPTF	A2F1-B	---
	1/4" – 18 NPTF	A2F2-B	A2F2

Brass

Steel

Male Threaded Plugs

Body Size	Threads	Brass Part #	Steel Part #
1/8"	1/8" – 27 NPTF	A1M1-B	---
1/4"	1/4" – 18 NPTF	A2M2-B	A2M2

Brass

Steel

Hose Barb Plugs

Body Size	Hose I.D.	Brass Part #	Steel Part #
1/8"	1/8"	A1S1-B	---
1/4"	1/4"	---	A2S2

Female Threaded Couplers

Body Size	Threads	Brass Part #
1/8"	1/8" – 27 NPTF	1AF1-B
1/4"	1/8" – 27 NPTF	2AF1-B
	1/4" – 18 NPTF	2AF2-B

Male Threaded Couplers

Body Size	Threads	Brass Part #
1/8"	1/8" – 27 NPTF	1AM1-B
1/4"	1/8" – 27 NPTF	2AM1-B
	1/4" – 18 NPTF	2AM2-B

A-Series Pneumatic Couplings

Hose Barb Couplers

Body Size	Hose I.D.	Brass Part #
1/8"	1/8"	1AS1-B
1/4"	1/4"	2AS2-B

Reusable Barb Plugs

Body Size	Hose I.D.	Brass Part #	Steel Part #
1/4"	1/4" x 1/2"	A2E2-B	A2E2

Brass

Steel

Reusable Barb Coupler

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

A Major Milestone

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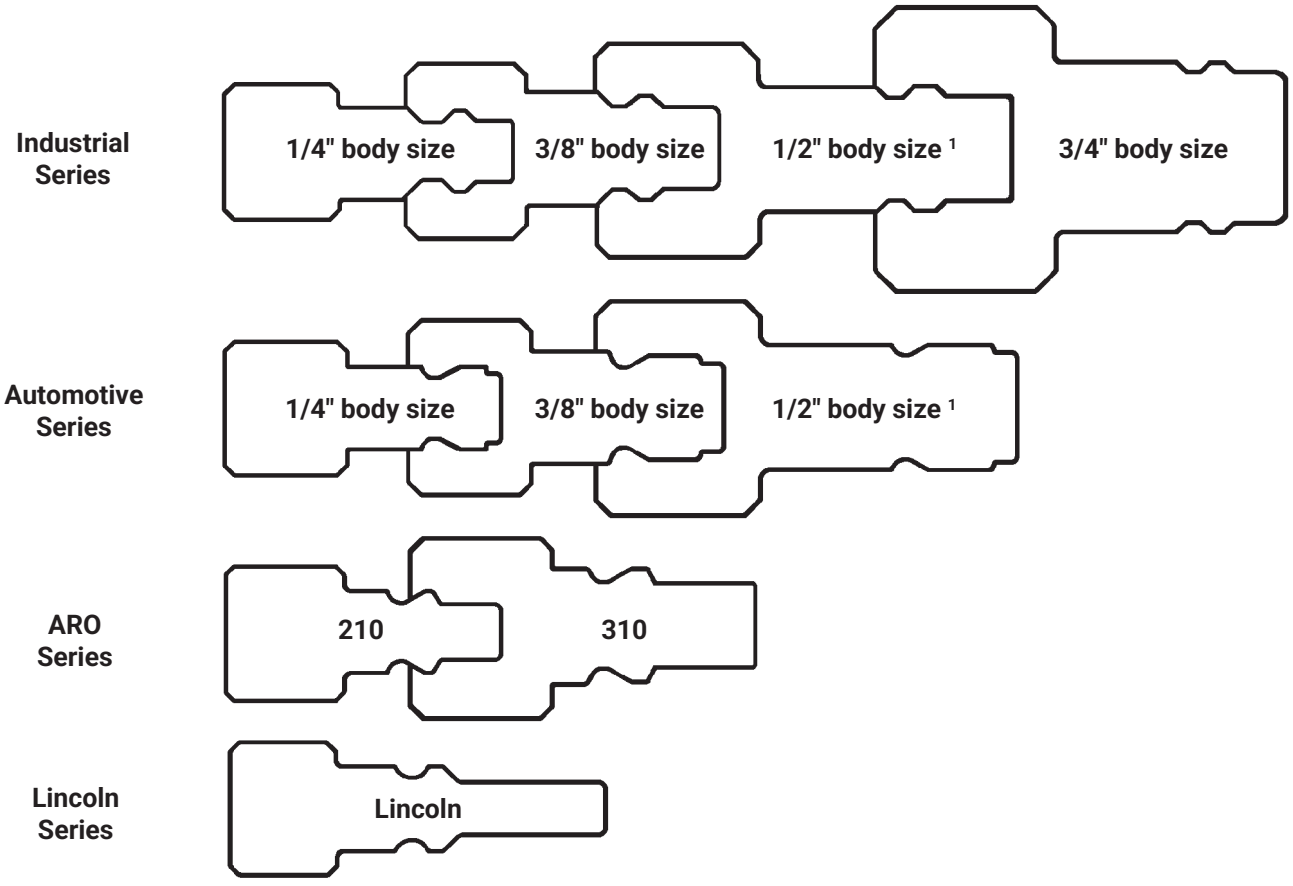
E

Actual Size Profile Chart

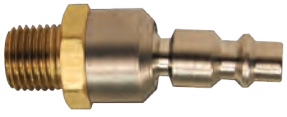


[1] 1/2" industrial series may also interchange with 1/2" automotive series

Ball Swivel Plug

Materials
- Threaded portion: brass
- Body: steel

Specifications
- Pressure rating: **250 PSI**
- Full flow at any angle

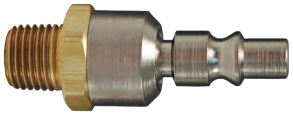


Industrial Ball Swivel Plug

Body Size	Male NPT	Steel 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	Steel 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 and ISO 6150-B
- For air service only

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

Female Threaded Plugs

Body Size	Female NPT	Flow Rating at 100 PSI	Steel Part #
1/4"	1/8"	37 CFM	DCP2021
	1/4"	37 CFM	DCP20
	3/8"	37 CFM	DCP2023
3/8"	1/4"	70 CFM	DCP2622
	3/8"	70 CFM	DCP26
	1/2"	70 CFM	DCP2624
1/2"	3/8"	150 CFM	DCP1823
	1/2"	150 CFM	DCP18
	3/4"	150 CFM	DCP1826
3/4"	1/2"	200 CFM	DCP7024
	3/4"	200 CFM	DCP7026
	1"	200 CFM	DCP7028

Male Threaded Plugs

Body Size	Male NPT	Flow Rating at 100 PSI	Steel Part #
1/4"	1/8"	37 CFM	DCP2101
	1/4"	37 CFM	DCP21
	3/8"	37 CFM	DCP2103
3/8"	1/4"	70 CFM	DCP2502
	3/8"	70 CFM	DCP25
	1/2"	70 CFM	DCP2504
1/2"	3/8"	150 CFM	DCP1703
	1/2"	150 CFM	DCP17
	3/4"	150 CFM	DCP1706
3/4"	1/2"	200 CFM	DCP7104
	3/4"	200 CFM	DCP7106
	1"	200 CFM	DCP7108

Air Chief Industrial Interchange Couplings

Features
- Interchanges with many other manufacturer's designs
- Interchanges with MIL Spec. MIL-C-4109F/A-A-59439 and ISO 6150-B
- For air service only

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

DCP7145

Standard Hose Barb Plugs

Body Size	Hose I.D.	Flow Rating at 100 PSI	Steel Part #
1/4"	5/16"	37 CFM	DCP2143
	3/8"	37 CFM	DCP2144
3/8"	1/2"	70 CFM	DCP2545
1/2"	3/4"	150 CFM	DCP1746
3/4"	1/2"	200 CFM	DCP7145
	3/4"	200 CFM	DCP7146
	1"	200 CFM	DCP7148

Push-On Hose Barb Plugs

Body Size	Hose I.D.	Flow Rating at 100 PSI	Steel Part #
1/4"	3/8"	37 CFM	DCP2144L
3/8"	1/4"	70 CFM	DCP2542L

Air Chief Industrial Interchange Couplings

Features
- Couplers shut off when disconnected
- Couplers are semi-automatic
- Interchanges with many other manufacturer's designs
- Interchanges with MIL Spec. MIL-C-4109F/A-A-59439 and ISO 6150-B
- For air service only

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

Semi-Automatic

Female Threaded Couplers

Body Size	Female NPT	Flow Rating at 100 PSI	Brass Part #	Steel Part #
1/4"	1/8"	37 CFM	DC2021	---
	1/4"	37 CFM	DC20	---
	3/8"	37 CFM	DC2023	---
3/8"	1/4"	70 CFM	---	DC2622
	3/8"	70 CFM	---	DC26
	1/2"	70 CFM	---	DC2624
1/2"	3/8"	150 CFM	---	DC1023
	1/2"	150 CFM	---	DC10
	3/4"	150 CFM	---	DC1026

Male Threaded Couplers

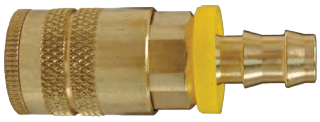
Body Size	Male NPT	Flow Rating at 100 PSI	Brass Part #	Steel Part #
1/4"	1/8"	37 CFM	DC2101	---
	1/4"	37 CFM	DC21	---
	3/8"	37 CFM	DC2103	---
3/8"	1/4"	70 CFM	---	DC2502
	3/8"	70 CFM	---	DC25
	1/2"	70 CFM	---	DC2504
1/2"	3/8"	150 CFM	---	DC903
	1/2"	150 CFM	---	DC9
	3/4"	150 CFM	---	DC906

Standard Hose Barb Couplers

Body Size	Hose I.D.	Flow Rating at 100 PSI	Brass Part #	Steel Part #
1/4"	1/4"	37 CFM	DC2042	---
	5/16"	37 CFM	DC2043	---
	3/8"	37 CFM	DC2044	---
3/8"	3/8"	70 CFM	---	DC2644
	1/2"	70 CFM	---	DC2645
1/2"	3/8"	150 CFM	---	DC1044
	1/2"	150 CFM	---	DC1045
	3/4"	150 CFM	---	DC1046

Push-On Hose Barb Couplers

Body Size	Hose I.D.	Flow Rating at 100 PSI	Brass Part #	Steel Part #
1/4"	1/4"	37 CFM	DC2042L	---
	3/8"	37 CFM	DC2044L	---
3/8"	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"	190 CFM	DC7024
	3/4"	190 CFM	DC7026
	1"	190 CFM	DC7028

Male Threaded Couplers

Body Size	Male NPT	Flow Rating at 100 PSI	Brass Part #
3/4"	1/2"	190 CFM	DC7104
	3/4"	190 CFM	DC7106
	1"	190 CFM	DC7108

Standard Hose Barb Couplers

Body Size	Hose I.D.	Flow Rating at 100 PSI	Brass Part #
3/4"	1/2"	190 CFM	DC7045
	3/4"	190 CFM	DC7046
	1"	190 CFM	DC7048

Parker® E-z-mate Industrial Couplings

E-z-mate couplings combine push-to-connect, exhaust-style action with a self-locking valve sleeve to guard against accidental disconnection. Simply follow the direction of the on-off arrow stamped on the yellow chromate valve sleeve. Valve sleeve acts as an integral shut off valve that allows connection and disconnection at zero pressure. When the sleeve is moved to shut off air flow, it automatically vents downstream allowing for disconnection at zero pressure and eliminating the risk of hose whip.

Features
- Meets ISO 4414 requirements for a controlled pressure release system
- Not recommended for vacuum service

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

NOTE: See pages 220 and 221 for plugs

Female Threaded Couplers

Body Size	Female NPT	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4" – 18	37 CFM	DC20SE
	3/8" – 18	37 CFM	DC2023SE
3/8"	3/8" – 18	70 CFM	DC26SE
	1/2" – 14	70 CFM	DC2624SE
1/2"	1/2" – 14	150 CFM	DC10SE
	3/4" – 14	150 CFM	DC1026SE
3/4"	3/4" – 14	200 CFM	DC7026SE
	1" – 11-1/2	200 CFM	DC7028SE

Male Threaded Couplers

Body Size	Male NPT	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4" – 18	37 CFM	DC21SE
	3/8" – 18	37 CFM	DC2103SE
3/8"	3/8" – 18	70 CFM	DC25SE
1/2"	1/2" – 14	150 CFM	DC9SE
3/4"	3/4" – 14	200 CFM	DC7106SE

Standard Hose Barb Couplers

Body Size	Hose I.D.	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4"	37 CFM	DC2042SE
	3/8"	37 CFM	DC2044SE
3/8"	3/8"	70 CFM	DC2644SE
1/2"	1/2"	150 CFM	DC1045SE

Push-Lock Hose Barb Couplers

Body Size	Hose I.D.	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4"	37 CFM	DC2042LSE
	3/8"	37 CFM	DC2044LSE
3/8"	3/8"	70 CFM	DC2644LSE
1/2"	1/2"	150 CFM	DC1045LSE

E

Legris® Industrial Interchange Safety Couplers

Applications
- Suited for numerous installations including: pneumatic tools, blow guns, pneumatic automotive equipment

Features
- Composite, non-marring body
- 1/4" body size ensures excellent flow and total security due to disconnection in two steps
- Compatible with industrial interchange plugs
- For compressed air only
- Conforms to MIL-C-4109F, ISO 6150-B

Specifications
- Temperature range: **-4°F** to **140°F (-40°C** to **121°C)**
- Working pressure: **230 PSI**

1. vents plug side

2. disconnects

Male Threaded Automatic Couplers

Body Size	NPT Size	Part #
1/4"	3/8"	9405U0618

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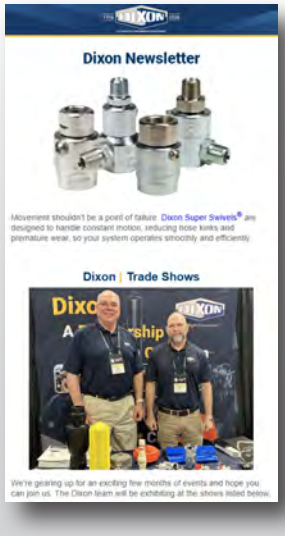

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Air Chief Automotive Interchange Couplings

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"		DCP2
	3/8"		DCP223
3/8"	1/4"	70 CFM	DCP8
	3/8"		DCP6
	1/2"		DCP624

Male Threaded Plugs

Body Size	Male NPT	Flow Rating at 100 PSI	Steel Part #
1/4"	1/8"	37 CFM	DCP101
	1/4"		DCP1
	3/8"		DCP103
3/8"	1/4"	70 CFM	DCP7
	3/8"		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"		DCP144
3/8"	3/8"	70 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"		DCP144L
3/8"	3/8"	70 CFM	DCP544L

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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"		DC2	---
	3/8"		DC223	---
3/8"	1/4"	70 CFM	---	DC8
	3/8"		---	DC6
	1/2"		---	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"		DC1	---
	3/8"		DC103	---
3/8"	1/4"	70 CFM	---	DC7
	3/8"		---	DC5
	1/2"		---	DC504

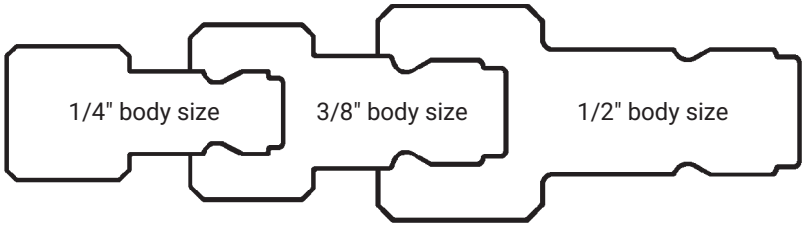
Standard Hose Barb Couplers

Body Size	Hose I.D.	Flow Rating at 100 PSI	Brass Part #	Steel Part #
1/4"	1/4"	37 CFM	DC242	---
	3/8"		DC244	---
3/8"	3/8"	70 CFM	---	DC644
	1/2"		---	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"		DC244L	---
3/8"	3/8"	70 CFM	---	DC644L

Air Chief Automotive Actual Size Profile Charts



Air Chief ARO Speed Interchange Couplings

Features
- Interchanges with ARO 210 and 310 designs
- Couplers shut off when disconnected

Specifications
- Pressure rating: **300 PSI** at ambient temperature **70°F (21°C)**
- 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"	1/4"	37 CFM	DCP38
	3/8"		DCP3823
3/8"	3/8"	70 CFM	DCP36

Male Threaded Plugs

Body Size	Male NPT	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4"	37 CFM	DCP37
	3/8"		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"		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"		DC3823	---
3/8"	3/8"	70 CFM	---	DC36

Semi-Auto Male Threaded Couplers

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

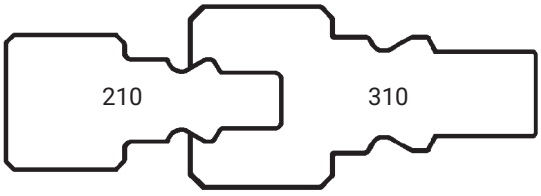
Semi-Auto Standard Hose Barb Couplers

Body Size	Hose I.D.	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4"	37 CFM	DC3842
	3/8"		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"		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)**
- Temperature range: **-40°F** to **250°F (-40°C** to **121°C)**

Female Threaded Plug

Body Size	Female NPT	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4"	37 CFM	DCP28

Male Threaded Plug

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

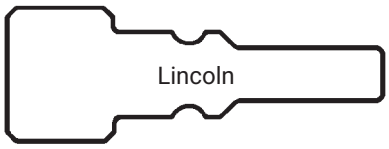
Female Threaded Coupler

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

Male Threaded Coupler

Body Size	Female NPT	Flow Rating at 100 PSI	Brass Part #
1/4"	1/4"	37 CFM	DC27

Air Chief Lincoln Actual Size Profile Chart



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3500 Male Nipples

Features

- For air and water service only
- The constant vibration created by air tools, like air drills and pavement breakers, is destructive to air hose couplings, especially the quick-acting type; to provide protection against coupling breakage and related hazards, Dixon® recommends the use of a whip hose. To construct a whip hose, connect one end of a short (3' to 10') air hose to the air tool using a 3500 type steel nipple; connect the other end of the hose to the air supply using the standard quick-acting coupling. The heat-treated 3500 nipple will withstand vibration far better than the standard coupling and provide a safer connection; the whip hose should remain permanently connected to the tool.

Specification

- Working pressure: **600 PSI** at ambient temperature **70°F (21°C)**

Male Threaded

Hose Size	Male NPT	Zinc Plated Steel Part #	Optional Qty
1/4"	1/8"	3501	100
	1/4"	3502	100
	3/8"	3504	100
3/8"	1/4"	3505	100
	3/8"	3506	100
	1/2"	3508	100
1/2"	1/4"	3509	100
	3/8"	3510	100
	1/2"	3512	100
	3/4"	3511	50
3/4"	1/2"	3513	50
	3/4"	3514	50
	1"	3515	25
1"	3/4"	3516	25
	1"	3518	25

Female Threaded

Hose Size	Female NPT	Zinc Plated Steel Part #	Optional Qty
1/4"	1/4"	3542	100
3/8"	1/4"	3545	50
	3/8"	3546	50
1/2"	3/8"	3550	100
	1/2"	3552	50
3/4"	3/4"	3554	50

Male Threaded with Ferrule

Features

- Zinc plated steel 3500 nipple with carbon steel ferrule
- Can be crimped or swaged-on to achieve maximum coupling sealing and retention; for crimp dimensions see dixonvalve.com
- Low-profile, streamline appearance

Hose Size	Male NPT	Hose O.D.		Steel Part #
		From	To	
3/8"	1/4"	46/64"	50/64"	3505WF
	1/2"	46/64"	50/64"	3508WF
1/2"	1/4"	54/64"	58/64"	3509WF
	3/8"	54/64"	58/64"	3510WF
	3/4"	54/64"	58/64"	3511WF
	1/2"	54/64"	58/64"	3512WF
3/4"	3/4"	1-10/64"	1-14/64"	3514WF
1"	1"	1-30/64"	1-34/64"	3518WF
	1"	1-34/64"	1-38/64"	3518WF2

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
- Heat treated black oxided

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

Female Pipe Thread

Features
- 7/8" thread fits most chipping hammers
- 3/8" female pipe thread
- Heat treated black oxided

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
- Heat treated black oxided

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

DOT 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
- Recommended tubing: J844 Air Brake Tubing

Specifications

- Temperature range: **-40°F** to **220°F (-40°C** to **104°C)**
- Meets DOT 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

DOT 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

DOT Push-In Fittings

Male Swivel Run Tees

Tube O.D.	Male NPTF	Part #	Pkg Qty
1/4"	1/8"	AQ71DOTS4X2	10
	1/4"	AQ71DOTS4X4	5

Male Swivel Branch Tees

Tube O.D.	Male NPTF	Part #	Pkg Qty
1/4"	1/8"	AQ72DOTS4X2	10
	1/4"	AQ72DOTS4X4	5

Union Tees

Tube O.D.	Part #	Pkg Qty
1/4"	AQ64DOT4	10
3/8"	AQ64DOT6	10

Legris® DOT Push-In Fittings

Features
- Suitable fluids: compressed air only
- Complies with the performance requirements of DOT 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
- Full 360° rotation, but lock into place preventing accidental movement of fitting
- 3/8" and below can be rotated with your hands; 1/2" and above require a wrench for rotating

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
	1/4"	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 DOT FMVSS571.106, SAE J2494, and SAE J2494-3;
5/32" and 3/16" have a black button

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 DOT FMVSS571.106, SAE J2494, and SAE J2494-3;
5/32" and 3/16" have a black button

Legris® DOT 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 DOT FMVSS571.106, SAE J2494, and SAE J2494-3
[3] Meets DOT FMVSS571.106, SAE J1131, and SAE J2494-3
NOTE: 5/32" and 3/16" have a black button.

Bulkhead Unions

Tube O.D.	Part #	Pkg Qty
1/4"	31165600DOT	10
3/8"	31166000DOT	10
1/2"	31166200DOT	10

NOTE: Meets DOT 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 DOT FMVSS571.106, SAE J2494, and SAE J2494-3.
1/4", 3/8", and 1/2" diameters meet DOT FMVSS571.106, SAE J1131, and SAE J2494-3
5/32" and 3/16" have a black button.

Male Elbows

Tube O.D.	Male NPT	Part #	Pkg Qty
5/32"	1/8"	31090411DOT[1]	10
3/16"	1/8"	31095511DOT[1]	10
1/4"	1/8"	31095611DOT	10
	1/4"	31095614DOT	10
	3/8"	31095618DOT	10
3/8"	1/4"	31096014DOT	10
	3/8"	31096018DOT	10
	1/2"	31096022DOT	10
1/2"	1/4"	31096214DOT	10
	3/8"	31096218DOT	10
	1/2"	31096222DOT	10

[1] Brass body
NOTE: 5/32" and 3/16" diameter meets DOT FMVSS571.106, SAE J2494, and SAE J2494-3.
1/4", 3/8", and 1/2" diameters meet DOT FMVSS571.106, SAE J1131, and SAE J2494-3.
Fitting can be oriented 360°, allowing proper positioning of the fitting.
5/32" and 3/16" have a black button.
3/8" and below fittings can be rotated with your hands.
The 1/2" and above require a wrench for rotating.

Legris® DOT Push-In Fittings

Reducer

Tube O.D.	Tube O.D.	Part #	Pkg Qty
1/4"	3/8"	31665660DOT	10

NOTE: Meets DOT FMVSS571.106, SAE J1131, and SAE J2494-3

Plug In Elbow

Tube O.D.	Part #	Pkg Qty
1/4"	31825600DOT	10

NOTE: Meets DOT 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 DOT 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 DOT FMVSS571.106, SAE J2494, and SAE J2494-3.
1/4", 3/8", and 1/2" diameters meet DOT FMVSS571.106, SAE J1131, and SAE J2494-3.
5/32" and 3/16" have a black button.
3/8" and below fittings can be rotated with your hands. The 1/2" and above require a wrench for rotating.

Legris® DOT Push-In Fittings

Legris DOT Push-In Male Run Tees

Tube O.D.	Male NPT	Part #	Pkg Qty
3/16"	1/8"	31035511DOT[1]	10
1/4"	1/8"	31035611DOT	10
	1/4"	31035614DOT	10
	3/8"	31035618DOT	10
3/8"	1/4"	31036014DOT	10
	3/8"	31036018DOT	10
	1/2"	31036022DOT	10
1/2"	1/4"	31036214DOT	10
	3/8"	31036218DOT	10
	1/2"	31036222DOT	10

[1] Brass body

NOTE: 3/16" diameter meets DOT FMVSS571.106, SAE J2494, and SAE J2494-3.
1/4", 3/8", and 1/2" diameters meet DOT FMVSS571.106, SAE J1131, and SAE J2494-3.
Fitting can be oriented 360°, allowing proper positioning of the fitting.
5/32" and 3/16" have black button. 3/8" and below fittings can be rotated with your hands. The 1/2" and above require a wrench for rotating.

Legris DOT Push-In Plug In Run Tee

Tube O.D.	Part #	Pkg Qty
1/4"	31835600DOT	10

NOTE: Meets DOT FMVSS571.106, SAE J1131, and SAE J2494-3.

Legris DOT Push-In Y Connectors

Tube O.D.	Male NPT	Part #	Pkg Qty
1/4"	1/8"	31485611DOT	10
	1/4"	31485614DOT	10

NOTES: Meets DOT FMVSS571.106, SAE J1131, and SAE J2494-3.
Fitting can be oriented 360°, allowing proper positioning of the fitting.

Legris DOT Push-In Y Unions

Tube O.D.	Part #	Pkg Qty
1/4"	31405600DOT	10
3/8"	31406000DOT	10

NOTE: Meets DOT FMVSS571.106, SAE J1131, and SAE J2494-3.
3/8" and below fittings can be rotated with your hands.

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 DOT FMVSS 571.106 and SAE J246

Materials
- Body (straights), tube supports and grippers: Brass CA360;
- Forged Elbows and Tees: CA377
- O-ring: Nitrile Rubber
- Recommended tubing: Polyethylene, Polyurethane 95A Durometer

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" and 1/2"	4
5/8" and 3/4"	3-1/2

Specification
- Temperature range: **-40°F** to **212°F (-40°C** to **100°C)**

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"	1/2"	13/16" – 18	66NAB108	10

[1] Not full hex as shown

Air Brake Fittings

Unions

Feature
- Ref. SAE 100101

Tube Size	Straight Thread	Part #	Pkg Qty
1/4"	7/16" – 24	62NAB4	10
3/8"	17/32" – 24	62NAB6	10
1/2"	11/16" – 20	62NAB8	10
5/8"	13/16" – 18	62NAB10	10
3/4"	1" – 18	62NAB12	10

Bulkhead Unions

Tube Size	Straight Thread	Part #	Pkg Qty
1/4"	7/16" – 24	62NABH4	10
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"	1/4"	7/16" – 24	70NAB44	25
3/8"	3/8"	17/32" – 24	70NAB66	10
5/8"	1/2"	13/16" – 18	70NAB108	10

Air Brake Fittings

Male Elbows

Features
- Ref. SAE 100202 BA
- Thread sealant may be white or burnt orange

Tube Size	Pipe Thread	Straight Thread	Part #	Pkg Qty
3/16"	1/8"	5/16" – 24	69NAB32VS	10
	1/4"	5/16" – 24	69NAB34VS	10
1/4"	1/8"	7/16" – 24	69NAB42VS	50
	1/4"	7/16" – 24	69NAB44VS	50
	3/8"	7/16" – 24	69NAB46VS	10
3/8"	1/8"	17/32" – 24	69NAB62VS	10
	1/4"	17/32" – 24	69NAB64VS	25
	3/8"	17/32" – 24	69NAB66VS	25
	1/2"	17/32" – 24	69NAB68VS	10
1/2"	1/4"	11/16" – 20	69NAB84VS	10
	3/8"	11/16" – 20	69NAB86VS	10
	1/2"	11/16" – 20	69NAB88VS	10
5/8"	3/8"	13/16" – 18	69NAB106VS	10
	1/2"	13/16" – 18	69NAB108VS	5
3/4"	1/2"	1" – 18	69NAB128VS	5
	3/4"	1" – 18	69NAB1212VS	5

Union Elbows

Feature
- Ref. SAE 100201 BA

Tube Size	Straight Thread	Part #	Pkg Qty
1/4"	7/16" – 24	65NAB4	10
3/8"	17/32" – 24	65NAB6	10
1/2"	11/16" – 20	65NAB8	10
5/8"	13/16" – 18	65NAB10	10

45° Elbows

Features
- Ref. SAE 100302 BA
- Thread sealant may be white or burnt orange

Tube Size	Pipe Thread	Straight Thread	Part #	Pkg Qty
1/4"	1/8"	7/16" – 24	79NAB42VS	10
	1/4"	7/16" – 24	79NAB44VS	10
3/8"	1/8"	17/32" – 24	79NAB62VS	10
	1/4"	17/32" – 24	79NAB64VS	10
	3/8"	17/32" – 24	79NAB66VS	10
	1/2"	17/32" – 24	79NAB68VS	10
1/2"	1/4"	11/16" – 20	79NAB84VS	10
	3/8"	11/16" – 20	79NAB86VS	10
	1/2"	11/16" – 20	79NAB88VS	10
5/8"	3/8"	13/16" – 18	79NAB106VS	5
	1/2"	13/16" – 18	79NAB108VS	5
3/4"	1/2"	1" – 18	79NAB128VS	2

Air Brake Fittings

Male Branch Tees

Features
- Ref. SAE 100425 BA
- Thread sealant may be white or burnt orange

Tube Size	Pipe Thread	Straight Thread	Part #	Pkg Qty
3/16"	1/8"	7/16" – 24	72NAB32VS	10
1/4"	1/8"	7/16" – 24	72NAB42VS	10
	1/4"	7/16" – 24	72NAB44VS	10
3/8"	1/8"	17/32" – 24	72NAB62VS	10
	1/4"	17/32" – 24	72NAB64VS	10
	3/8"	17/32" – 24	72NAB66VS	10
1/2"	1/4"	11/16" – 20	72NAB84VS	10
	3/8"	11/16" – 20	72NAB86VS	10
	1/2"	11/16" – 20	72NAB88VS	10

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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
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 or 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

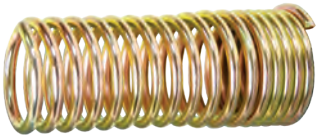
Application
- For use with SAE J1402 air brake hose in making hose assemblies

Feature
- Will meet DOT FMVSS 571-106 standards when used with SAE J1402 air brake hose

Specifications
- Working pressure: up to **225 PSI**
- Temperature: **-50°F** to **212°F (-46°** to **100°C)**

Assembly Guide
1. Slide nut onto hose
2. Slide sleeve onto hose with tapered edge toward fitting body
3. Firmly bottom the hose into fittings
4. Screw nut onto body until it contacts the fittings body's hex

Hose Springs



Hose Size	Length	Brass Alloy 360 Part #
3/8"	2.70"	56RBSG-06
1/2"	2.70"	56RBSG-08

Spring Guard Nuts

Hose Size	Straight Thread	Brass Alloy 360 Part #
3/8"	31/32" – 20	61RBSG-06
1/2"	1-3/32" – 20	61RBSG-08

Air Brake Fittings for Rubber Hose

Hose Nut with Attached Springs

Hose Size	Length	Brass Alloy 360 Part #
3/8"	3.55"	67RBSG-06
1/2"	3.50"	67RBSG-08

Male Connectors

Tube O.D.	Pipe Thread	Straight Thread	Hex	Brass Alloy 360 Part #
3/8"	1/4"	31/32" – 20	31/32"	68RB-0604B
	3/8"	31/32" – 20	31/32"	68RB-0606B
	1/2"	31/32" – 20	31/32"	68RB-0608B
1/2"	3/8"	1-3/32" – 20	1-1/8"	68RB-0806B
	1/2"	1-3/32" – 20	1-1/8"	68RB-0808B

Male Connectors with Spring Guards

Hose Size	Pipe Thread	Hex	Brass Alloy 360 Part #
3/8"	1/4"	1-1/16"	68RBSG-0604
	3/8"	1-1/16"	68RBSG-0606
	1/2"	1-1/16"	68RBSG-0608
1/2"	3/8"	1-1/4"	68RBSG-0806
	1/2"	1-1/4"	68RBSG-0808

Sleeves

Hose Size	Length	Brass Alloy 360 Part #
3/8"	.64"	60RB-06
1/2"	.64"	60RB-08

Nuts

Hose Size	Thread	Hex	Brass Alloy 360 Part #
3/8"	31/32" – 20	1-1/32"	61RB-06
1/2"	1-3/32" – 20	1-1/4"	61RB-08

Brass Push-In Fittings

Features

- Saves up to 75% of assembly time compared to the standard compression fittings
- Quick connect: simply push tubing in, no tools required
- Quick disconnect: hold two fingers on insert and pull tubing out, no tools required
- Reusable: connect and disconnect numerous times
- Full-flow design provides up to 60% more flow than conventional fittings with internal tube supports
- Positive seal: no leaks; after tubing is inserted, seal is made
- Secure tube retention: pulling on tubing only serves to tighten the connection
- Pre-applied PTFE based pipe sealant on all male pipe threads saves customer additional labor
- Working pressure: fittings are suitable for use up to the maximum working pressure of the plastic tubing used; also suitable for vacuum service

Specification

- Temperature range: **-10°F** to **200°F (-23°C** to **93°C)**

Male Connectors

Tube O.D.	Male NPTF	Forged Brass Part #	Optional Qty
1/8"	10-32[1]	684X10	20
	1/8"	684X4	20
5/32"	10-32[1]	685X10	20
	1/8"	685X4	20
	1/4"	685X8	10
3/16"	10-32[1]	686X10	20
	1/8"	686X4	20
1/4"	10-32[1]	688X10	20
	1/8"	688X4	20
	1/4"	688X8	10
	3/8"	688X12	10
3/8"	1/8"	6812X4	10
	1/4"	6812X8	10
	3/8"	6812X12	10
	1/2"	6812X16	5
1/2"	1/4"	6816X8	5
	3/8"	6816X12	5
	1/2"	6816X16	5

[1] UNF – Straight thread, supplied with gasket

Female Connectors

Tube O.D.	Female NPTF	Forged Brass Part #	Optional Qty
1/8"	1/8"	664X4	10
5/32"	1/8"	665X4	10
1/4"	1/8"	668X4	10
1/4"	1/4"	668X8	10
3/8"	1/4"	6612X8	10
3/8"	3/8"	6612X12	5

Brass Push-In Fittings

Unions

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

Bulkhead Unions

Tube O.D.	Male NPT	Forged Brass Part #	Optional Qty
1/8"	7/16" – 20	824	10
5/32"	7/16" – 20	825	10
1/4"	1/2" – 20	828	10
3/8"	3/4" – 16	8212	5
1/2"	15/16" – 16	8216	5

Male Elbows

Tube O.D.	Male NPTF	Forged Brass Part #	Optional Qty
1/8"	1/8"	694X4	10
5/32"	1/8"	695X4	10
3/16"	1/8"	696X4	10
1/4"	1/8"	698X4	10
	1/4"	698X8	10
	3/8"	698X12	10
3/8"	1/8"	6912X4	10
	1/4"	6912X8	10
	3/8"	6912X12	10
1/2"	1/4"	6916X8	5
	3/8"	6916X12	5

Female Elbows

Tube O.D.	Female NPTF	Forged Brass Part #	Optional Qty
5/32"	1/8"	705X4	10
1/4"	1/8"	708X4	10
1/4"	1/4"	708X8	5
3/8"	1/4"	7012X8	5

Brass Push-In Fittings

Union Elbows

Tube O.D.	Forged Brass Part #	Optional Qty
1/8"	654	10
5/32"	655	10
1/4"	658	10
3/8"	6512	10
1/2"	6516	5

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Male Swivel Elbows

Tube O.D.	Male NPTF	Forged Brass Part #	Optional Qty
1/8"	1/8"	69S4X4	10
5/32"	10-32[1]	69S5X10	10
	1/8"	69S5X4	10
	1/4"	69S5X8	10
1/4"	10-32[1]	69S8X10	10
	1/8"	69S8X4	10
	1/4"	69S8X8	10
	3/8"	69S8X12	10
3/8"	1/8"	69S12X4	10
	1/4"	69S12X8	10
	3/8"	69S12X12	5
	1/2"	69S12X16	5
1/2"	3/8"	69S16X12	5
	1/2"	69S16X16	5

[1] UNF – Straight thread, supplied with gasket

Male Branch Tees

Tube O.D.	Male NPTF	Forged Brass Part #	Optional Qty
1/8"	1/8"	724X4	10
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
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"	1/2"	72S16X16	5

Male Run Tees

Tube O.D.	Male NPTF	Forged Brass Part #	Optional Qty
1/8"	1/8"	714X4	10
5/32"	1/8"	715X4	10
1/4"	1/8"	718X4	10
	1/4"	718X8	5
3/8"	1/8"	7112X4	5
	1/4"	7112X8	5
	3/8"	7112X12	5
1/2"	3/8"	7116X12	5

Male Swivel Run Tees

Tube O.D.	Male NPTF	Forged Brass Part #	Optional Qty
1/8"	1/8"	71S4X4	10
5/32"	10-32[1]	71S5X10	10
	1/8"	71S5X4	5
1/4"	1/8"	71S8X4	5
	1/4"	71S8X8	5
3/8"	1/4"	71S12X8	5
	3/8"	71S12X12	5
1/2"	3/8"	71S16X12	5
	1/2"	71S16X16	5

[1] UNF – Straight thread, supplied with gasket

E

Stainless Steel Legris® Push-In Fittings

Applications
- Suitable for many industries such as: medical, chemical transfer, pharmaceutical, petrochemicals, paper industry, food processing

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, backup washer, collet: 316L Stainless Steel
- Seal: FKM

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

Stainless Steel Legris® Push-In Fittings

Male Elbows

Tube O.D.	Male NPT	Stainless Steel Part #	Optional Qty
1/4"	1/8"	38895611	10
	1/4"	38895614	10
3/8"	1/4"	38896014	10
	3/8"	38896018	10
1/2"	3/8"	38896218	10
	1/2"	38896222	10

NOTE: Body is orientable for positioning purposes

Equal Elbow Unions

Tube O.D.	Stainless Steel Part #	Optional Qty
1/4"	38025600	10

Union Tees

Tube O.D.	Stainless Steel Part #	Optional Qty
1/4"	38045600	10
3/8"	38046000	10
1/2"	38046200	10

E

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 compressed air, grease, lubricant, water
- 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 process, coffee machines, in-plant automotive, medical equipment, printing, misting, welding robots

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, 290 PSI**: 3609, 3699 series

Construction

- Body, backup washer, collet: high phosphorous FDA nickel-plated brass
- Seal: FKM

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"	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] 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"	3/8"	36156018	10

Equal Unions

Tube O.D.	Nickel-plated Brass Part #	Optional Qty
5/32"	36060400	10
1/4"	36065600	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

Male Elbows

Tube O.D.	Male NPT	Nickel-plated Brass Part #	Optional Qty
5/32"	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"	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
3/8"	36046000	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
	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

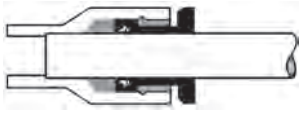
Features
- Positive seal: sealing and holding is accomplished instantaneously
- Reusable: connect and disconnect numerous times
- Full flow: fitting seals on outside diameter of tubing
- Pre-applied thread sealant on all tapered male pipe threads
- Compatible tubing: semi-rigid nylon, polyurethane, polyethylene, nylon, and fluoropolymer
- Maximum circuit pressure depends equally on the type and diameter of the tube used

Materials
- Nickel-plated brass threads; black body is glass-reinforced nylon 6.6 body; 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

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
1/2"	1/4"	31096214	10
	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

[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

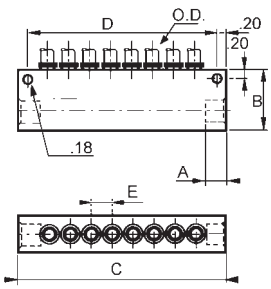
Features
- Kit includes plastic case with threaded connectors, threaded elbows, and several tube-to-tube connector configurations found on pages 255-257
- A tubing cutter is also included

Part #
TFK

Kit contains the following parts:

Part #	Qty	Description
31755311	10	tube to male NPT connector
31750411	10	tube to male NPT connector
31755611	10	tube to male NPT connector
31755614	10	tube to male NPT connector
31756014	5	tube to male NPT connector
31756018	5	tube to male NPT connector
31090411	10	tube to male NPT elbow
31095611	10	tube to male NPT elbow
31095614	10	tube to male NPT elbow
31096011	5	tube to male NPT elbow
31096014	5	tube to male NPT elbow
31096018	5	tube to male NPT elbow
31060400	10	tube to tube union
31065600	10	tube to tube union
31066000	5	tube to tube union
31400400	10	Y connector
31405600	10	Y connector
31406000	5	Y connector
31040400	10	tube to tube union tee
31045600	5	tube to tube union tee
31046000	5	tube to tube union tee
30007100	1	tubing cutter

Legris Modular Manifold



Feature
- Manifold with push-to-connect ports

O.D.	NPT Size	Number of Outlets	Dimensions					Part #
			A	B	C	D	E	
1/4"	1/4"	8	.55"	1.30"	4.92"	4.53"	.50"	33155614

Legris® Composite Mini Ball Valves

Application
- Valves enable in-line opening and closing of a pneumatic circuit

Features
- 2-way, non-venting valve
- Compact and lightweight, suited to all types of installation
- Suitable fluid: compressed air
- A screwdriver slot allows opening and closing even when access is difficult
- Handle is differentiated by a blue color and marked with the corresponding pneumatic symbol enabling immediate identification by the user

Materials
- Nylon body with nickel-plated brass ball; seal: NBR

Specifications
- Maximum operating pressure: **145 PSI**
- Vacuum rating: vacuum of 28" Hg (99% of vacuum)
- Temperature range: **-4°F** to **175°F (-20°C** to **79°C)**

Size	Part #
5/32"	79100400
1/4"	79105600
5/16"	79100800
3/8"	79106000

Legris Quick Exhaust Valves

Applications
- Can be used with all pneumatic equipment, ideal for applications in restrictive environments

Feature
- **I**ncreases 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 #
1/4"	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: glass reinforced nylon 6.6; seal: Nitrile

Specifications
- Control pressure range: **15 PSI** to **145 PSI**
- Temperature range: **32°F** to **158°F (0°C** to **70°C)**

Tube O.D.	NPT Size	Part #	Optional Qty
5/32"	1/8"	70650411	10
1/4"	1/8"	70655611	10
	1/4"	70655614	10
3/8"	1/4"	70656014	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

Material
- Body: glass reinforced nylon 6.6; seal: Nitrile

Specifications
- Control pressure range: **15 PSI** to **145 PSI**
- Temperature range: **30°F** to **158°F (-1°C** to **70°C)**

Tube O.D.	NPT Size	Part #	Optional Qty
5/32"	10-32[1]	76600420	10
	1/8"	76650411	10
1/4"	10-32[1]	76605620	10
	1/8"	76655611	10
	1/4"	76655614	10

[1] UNF – Straight thread, supplied with gasket

In-Line

Application
- Used where cylinder access is difficult or another fitting is attached to the cylinder port

Features
- Working fluid: compressed air
- Stackable using the two joining clips supplied or panel mountable using existing holes
- One way

Materials
- Body: glass reinforced nylon 6.6; seal: Nitrile
- 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: glass reinforced nylon 6.6; seal: Nitrile
- 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

Materials
- Body: nylon/nickel-plated brass; seal: Nitrile

Specifications
- Maximum operating pressure: **145 PSI** at ambient temperature **70°F (21°C)**
- Temperature Range: **34°F** to **150°F (1.1°C** to **6.5°C)**
- Pressure Range: **15** to **145 PSI**

Tube O.D.	Part #	Optional Qty
5/32"	79960400	10
6mm	79960600	10
1/4"	79965600	10
5/16"	79960800	10

In-Line

Application
- Suitable as a safety item in compressed air circuits

Features
- Compact, lightweight design meter out check valves
- Allows air to pass in one direction while blocking flow in the other direction
- Arrow on body of the fitting indicates direction of flow, a pressure of more than **7 PSI** will overcome spring pressure keeping the valve closed, thus allowing the passage of air
- Pre-applied thread sealant on tapered threads

Materials
- Body: nylon with nickel plated brass base; seal: Nitrile

Specification
- Pressure range: **15 PS**I to **145 PSI** at ambient temperature **70°F (21°C)**
- Temperature Range: **34°F** to **150°F (1.1°C** to **6.5°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

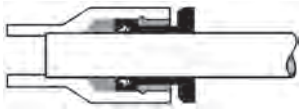
Specifications
- Pressure range: **7 PSI** to **580 PSI**
- Temperature range: **-4°F** to **356°F (-20°** to **180°C)**

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 6.6 body, nitrile rubber D-seal, polypropylene release button, silicone-free and nylon nickel plated brass, or nylon

E

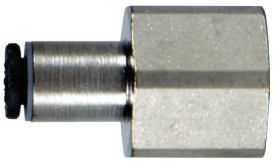
Specifications
- Pressure rating: **290 PSI** at ambient temperature
- Temperature range: **-4°F** to **175°F (-20°C** to **79°C)**
- Vacuum rating: vacuum of 28" Hg (99% vacuum)

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

E

Nylon Tubing

Features
- Translucent color
- Resistant to fungus, abrasion, moisture, and UV

Specification
- Temperature range: **-60°F** to **200°F (-51°C** to **93°C)**

Size		Wall Thickness	Working Pressure at 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 1016

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

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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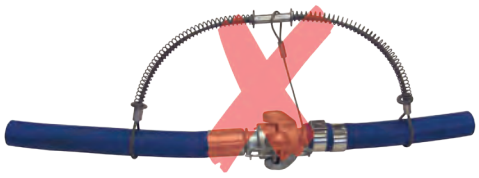
King Cable®

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.

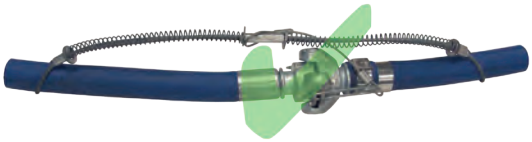
Features
- Must be installed in the extended position (no slack)
- Cable reaches across hose fittings to provide standby safety for hose
- Spring-loaded loops in the cable ends open easily to pass over the couplings for a firm grip on the hose
- No tools needed – easy to install and remove
- Cables shipped 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**

F

Nylon Safety Restraints

Applications
- Pneumatic, hydraulic, and water hoses

Features
- Strong, flexible nylon webbing
- Superior corrosion and spark resistance over metal restraints
- Rubber grommets securely choke eyes around hose
- Must be installed in the extended position (no slack)
- Shipped with labels detailing working pressures and safety instructions
- Minimizes damage to equipment and injuries to operators in the event hose, couplings or clamps fail, or there is an accidental separation of the assembly
- Contact Dixon® at 888.226.4673 for additional options

Materials
- Strap: nylon
- Grommets: rubber

Specification
- Maximum working temperature: **200°F (93°C)**

Length	Recommended for use on the following hose inside diameters:								Nylon Part #
	1/4"	1/2"	3/4"	1"	2"	3"	4"	6"	
	Hose maximum working pressure (PSI) for above hose I.D.								
30"	**26,000**	**6,500**	**2,900**	**1,650**	**400**	---	---	---	WBN130
40"	---	---	---	**1,650**	**400**	**175**	**100**	---	WBN140
30"	**52,000**	**13,000**	**5,800**	**3,300**	**750**	---	---	---	WBN230
44"	---	---	---	**3,300**	**750**	**350**	**200**	---	WBN244
64"	---	---	---	---	**750**	**350**	**200**	**90**	WBN264
44"	---	---	---	**7,300**	**1,800**	**820**	**450**	---	WBN344
64"	---	---	---	---	**1,800**	**820**	**460**	**200**	WBN364
64"	---	---	---	---	**2,300**	**1,040**	**580**	**260**	WBN464

King Safety Whipsocks

Application
- Ideally suited for applications where the media being transferred is under higher working pressures such as air, water, hydraulic, and slurry

Features
- King safety whipsocks keep the hose under control in the event of a high-pressure hose assembly failure
- Dual anchor points secured beyond the fittings eliminate hose whip
- Be sure the anchoring points are rated for the application
- Galvanized steel woven stockings extend down the hose to grip securely over a larger area preventing whip, abrasion, and wear
- Securing both eye-to-rigid or eye-to-eye anchor points reduce whip in the event of a hose connection failure
- Contact Dixon® with questions regarding working pressure, available options, or custom configurations

KSW32

Materials
- Wire rope: galvanized carbon steel
- Ferrules: aluminum

KSW40

Size	O.D. Range	Length	Max. Working Pressure PSI	Part #
3/8"	.315" – .5512"	15.75"	**5,000**	KSW06
1/2"	.5512" – .7874"	21.65"	**3,000**	KSW08
3/4"	.7874" – 1.181"	25.20"	**2,000**	KSW12
1"	1.181" – 1.575"	34.25"	**1,500**	KSW16
1-1/4"	1.575" – 1.969"	38.19"	**1,000**	KSW20
1-1/2"	1.969" – 2.362"	49.21"	**700**	KSW24
2"	2.362" – 2.756"	51.18"	**1,300**	KSW32
2-1/2"	2.756" – 3.346"	53.15"	**800**	KSW40
3"	3.346" – 3.937"	72.44"	**750**	KSW48
3-1/2"	3.937" – 4.724"	72.05"	**550**	KSW56
4"	4.724" – 5.512"	86.61"	**550**	KSW64
6"	5.512" – 7.087"	93.31"	**250**	KSW96

King Safety Shackles

Applications
- Two shackles are used to anchor the King safety whipsock
- Secure both eyes to a rigid anchor point to reduce whip in the event of a hose or connection failure

Features
- Recommended bolt, nut, and cotter pin style shackle
- Caution: working load must be rated for the application

Size	Working Load	Fits KSW Eye	Micro Alloy Steel Part #
5/16"	3/4 ton (1,000 lbs)	KSW06-KSW12	KSS04
7/16"	1-1/2 ton (3,000 lbs)	KSW16-KSW40	KSS06
5/8"	3-1/4 ton (6,000 lbs)	KSW48-KSW96	KSS08

ASME Air Receiver Manifold with King Safety Whipsock for Supply Hose

Features
- 7-gallon capacity
- Painted supply orange
- All openings are female NPT thread
- Includes KSW32 2" King safety whipsock for air supply hose
- Shackles included to attach King Safety Whipsock to frame

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

Qty	Part #
1	1217AR-4AK-KSW

F

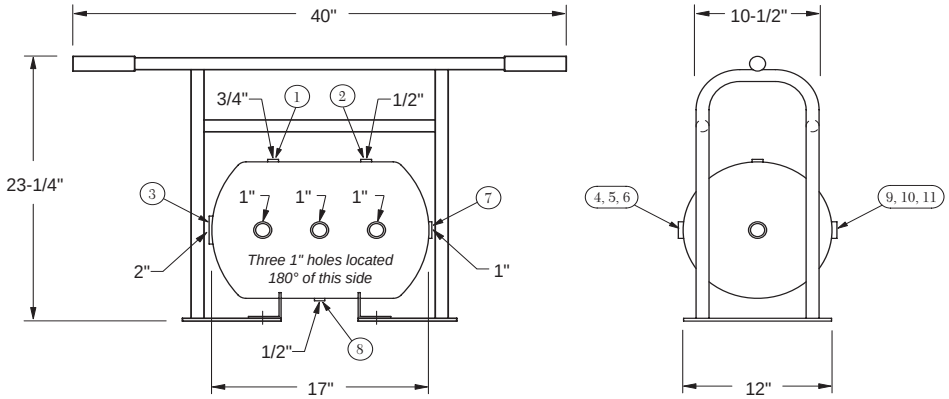
ASME Air Receiver Manifolds

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

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

1217AR-4AK

1217AR-4FR



Dixon® 1217AR-4AK air receiver manifold assembly with Air King® outlet ports includes the following components:

Part #/Locations	Qty	Description
1217AR-4	1	ASME compressed air receiver
Location 1	1	3731204C 3/4" male x 1/4" female hex bushing
	1	GL345 **0-300 PSI** gauge
Location 2	1	3730804C 1/2" male x 1/4" female hex bushing
	1	SV200 safety pop-off valve
Location 3	1	GM28 2" male spud
	1	B27SC wing nut cap
Locations 4, 5, 6, 9, 10, 11	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)
Location 7	1	HB1075G 1" male x 3/4" female bushing
	1	3701212C 3/4" brass hex nipples
	1	BBLV75 ball valve
	1	SCVS6 safety shut-off valve
Location 8	1	AM7 Air King universal coupling
	1	3730804C 1/2" male x 1/4" female hex bushing
	1	D04 1/4" drain cock
	---	---
1217AR-4AK	1	7-gallon ASME compressed air receiver manifold complete assembly with Air King
		Tank and Frame only
1217AR-4FR	1	7-gallon ASME compressed air receiver with frame only

ASME Air Receiver Manifold Assembly with Air King® Fittings and 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

F

Whip Hose Assemblies

7/8"-24 Male Threaded Bent Stem Swivel x Global Air King Fitting

Application
- Designed to be threaded into 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" 3500 Nipple 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

Feature
- 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)**

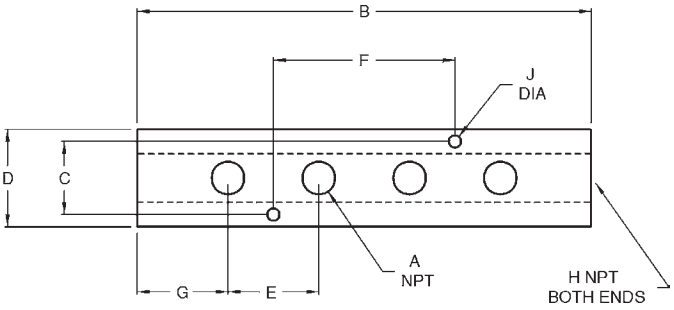
Size	I.D.	Length	Rubber Hose Part #
3/4"	3/4"	6'	WH75X6AK35

F

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 469

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

Feature
- 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, non-detergent, and does not decompose
- Easy pour spout helps prevent costly spills
- Use with the in-line lubricators on page 278

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

Pint

Gallon

F

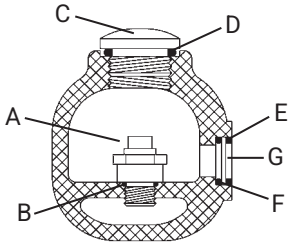
In-Line Lubricators

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 277 for air tool lubricant

NPT Size	Oil Capacity	Maximum Working Pressure at Ambient Temperature (70°F)	Air Flow at 70 PSI	Aluminum Part #
1/2"	1.4 fluid ozs.	**500 PSI**	30 SCFM	PL300
3/4"	3.7 fluid ozs.	**200 PSI**	70 SCFM	PL400
3/4"	11.0 fluid ozs.	**300 PSI**	70 SCFM	PL400L
1"	16.0 fluid ozs.	**250 PSI**	100 SCFM	PL500

Replacement Parts



Description	Part #
(A) oil adjustment valve assembly	851661
(B) valve gasket	452531
(C) fill plug	452525
(D) fill plug O-ring	700013-214
(E) sight disk	452532
(F) sight disk seal	700013-016
(G) sight disk lock nut	452533

In-Line Air Filter

Features

- Protects small air tools, such as impact wrenches, nut runners, grinders, and screwdrivers
- All-anodized, compact housing
- Install directly before the air tool
- Male x female configuration
- Standard 40 micron element ensures minimum pressure drop
- Elements can be replaced quickly

Specifications

- Maximum operating pressure: **500 PSI**
- Temperature range: **35°F** to **200°F (2°C** to **93°C)**
- Air flow: 140 SCFM

Male NPT	Overall Length	Diameter	Aluminum Part #
3/4"	3-13/16"	1-1/2"	9076M

Disposable In-Line Nipple Filters

Features
- For filtration of water, oil, and air
- Compact and lightweight
- Can be installed at point of use
- Shape element is conical rather than disc, providing a larger filtering flow and a true, uninterrupted axial flow
- Available in 40 micron or 90 micron

Specifications
- Maximum operating pressure: **300 PSI**
- Temperature range: **35°F** to **300°F (2°C** to **148°C)**

Male NPT	Overall Length	Hex	Air Flow	Brass Part #
1/8"	1-1/4	7/16"	10 SCFM	ASP3101-40
				ASP3101-90
1/4"	1-1/2"	9/16"	20 SCFM	ASP3102-40
				ASP3102-90
3/8"	1-3/4"	11/16"	30 SCFM	ASP3103-40
				ASP3103-90
1/2"	2"	7/8"	50 SCFM	ASP3104-40
				ASP3104-90

In-Line Lubricators with Filters

Feature
- Consists of 9076M particle filter with 40 micron sintered bronze element and PL400 (3.7 ounce) or PL400L (11.0 ounce) lubricator

NPT Size	Oil Capacity	Max. Working Pressure at ambient temperature 70°F (21°C)	Aluminum Part #
3/4"	3.7 fluid ozs.	**200 PSI**	PL400WF
	11.0 fluid ozs.	**300 PSI**	PL400LWF

Mini In-Line Lubricators

Features
- Cannot be filled under pressure
- Oil capacity: 1/4 fluid ounce

These in-line lubricators put the oil source right at the tool. This lubricator requires cyclical or intermittent airflow for proper operation, and consequently works best when installed at the tool inlet or on a short hose near the tool

Specifications
- Flow rating: 22 SCFM at **100 PSIG**
- Maximum operating pressure: **200 PSIG**
- Maximum temperature: **150°F (66°C)**

Female NPT Inlet	Outlet	Aluminum Part #
1/4"	1/4" female NPT	ML200
	1/4" male NPT	ML200M
3/8"	3/8" male NPT	ML300M

F

Safety Check Valves

Applications
- Used in temporary plant/factory air lines, construction sites, shipyards, or utilities
- Not for use in applications where 100% of the available air is required, i.e. sand blast, pile driving rigs, expansion joint blow down pipes, etc.

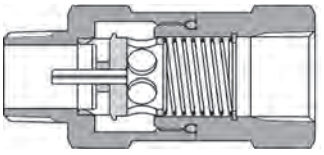
Features
- High-flow valve provides optimum performance
- Controls excess air flow (SCFM) in only one direction
- Automatically senses change in air flow and shuts off the flow in the event of a surge in excess of valve flow rating thus preventing hose whip
- Does not prevent backflow
- Interchanges with Hansen FS-Series

Flow Direction

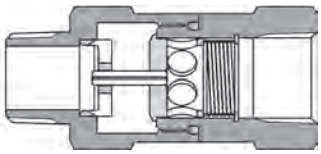
Materials
- Body and valve: solid brass
- Spring and roll pin: stainless steel

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). 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 "Closed Position" graphic).
- After the repair is made, normal operation is automatically enabled when pressure across the valve equalizes through the bleeder hole.
- The valve spring size can be specified by determining the air flow during normal operation and by estimating the air flow if a failure or rupture occurs.



Open Position



Closed Position

NPT & Hose I.D. Size	Cut-off Flow Rate (SCFM at 90 PSI)	Brass Part #	NPT & Hose I.D. Size	Cut-off Flow Rate (SCFM at 90 PSI)	Brass Part #
1/4"	23-29	SCVL2	1-1/4"	260-290	SCVL10
3/8"	30-36	SCVL3		300-340	SCVM10
	39-47	SCVM3		440-500	SCVS10
	52-65	SCVS3		570-630	SCVH10
1/2"	70-78	SCVM4	1-1/2"	300-360	SCVL12
	80-96	SCVS4		470-530	SCVM12
3/4"	72-88	SCVL6		564-602	SCVX12
	92-108	SCVM6		640-720	SCVS12
	112-128	SCVR6		750-830	SCVH12
	132-148	SCVJ6	2"	510-590	SCVL16
	160-180	SCVS6		725-825	SCVM16
	180-200	SCVH6		900-1050	SCVS16
1"	165-195	SCVL8		1100-1200	SCVH16
	220-260	SCVM8	3"	1200-1400	SCVL24
	280-320	SCVS8		2400-2700	SCVS24
	310-340	SCVH8		2850-3050	SCVH24
				see below*	SCVS24-16

*Designed for **350 PSI** 1550 SCFM compressors

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
- Element: 40 micron sintered bronze

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

brass

NPT Thread	Approximate Full Operating Height	Maximum Adjusted SCFM	Brass Part #
1/8"	1-5/16"	30	SCM18
1/4"	1-9/16"	40	SCM28
3/8"	1-5/8"	62	SCM38
1/2"	2"	103	SCM48
3/4"	2-3/8"	110	SCM68
1"	2-1/2"	140	SCM88

Breather Vents

Applications
- Used on single-acting cylinders or valves to prevent dirt and foreign particles from entering ports open to the atmosphere
- Provides vacuum relief or pressure equalization on gear boxes, oil tanks, or reservoirs

Features
- Standard pipe thread connections for quick assembly and removal for cleaning
- Nickel plated steel insert with a bronze filter
- 40 micron filter element

Specifications
- Maximum operating pressure: **150 PSI**
- Temperature range: **35°F** to **300°F (2°C** to **148°C)**

NPT Thread	Overall Length	Nickel Plated Steel Part #
1/8"	7/16"	ASP-1BV
1/4"	5/8"	ASP-2BV
3/8"	3/4"	ASP-3BV
1/2"	7/8"	ASP-4BV
3/4"	1"	ASP-6BV
1"	1-5/16"	ASP-8BV

Super Quiet Flow Economy Pneumatic Silencers/Mufflers

Feature
- 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 **90 PSIG** with **5 PSI** pressure drop
- Maximum operating pressure: **200 PSIG**
- Temperature range: **32°F** to **150°F (0°C** to **66°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 lightweight construction
- Wrench flats for easy installation
- Supplied with a GC620 gauge, sold separately on page 355
- Compressed air only

Specifications
- **5** to **125 PSIG** outlet pressure adjustment range
- Reliable pressure regulation at air flows up to 13 SCFM
- Temperature range: **-30°F** to **150°F (-34°** to **66°C)**

Female NPT	With Gauge Part #	Without Gauge Part #
1/4"	R46-200RG	R46-200R

Needle Valves

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

Specification
- Maximum working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- Temperature rating: **-65° F** to **250° F (-54°C** to **121°C)**
- Manufactured from CA377 brass

Female x Female

Female NPT	Female NPT	Brass Part #
1/8"	1/8"	NV2F
1/4"	1/4"	NV4F

Male x Male

Male NPT	Male NPT	Brass Part #
1/4"	1/4"	NV4M

Mini In-Line Disposable Desiccant Dryer

Application
- Ideal for spray guns (point-of-use); attaches directly to spray gun or mini regulator located on spray gun

Features
- Unit is bi-directional 1/4" NPT
- 40 micron, porous bronze element removes fine dirt particles, as oil-removing media removes oil vapor and desiccant bead absorbs water vapor

Specifications
- Working pressure: **125 PSI**
- Blue desiccant beads lower the dew point to **-40°F (-40°C)** and remove water vapor; bead color turns pink when it is time to replace filter/dryer

Male NPT	Female NPT	Flow (SCFM)	Description	Part #
1/4"	1/4"	15	package of 2	DFD-10

Valves

Button

Thread	Brass Part #
1/4" NPT female	BV2F
1/4" NPT male	BV2M

Tank Filler

TFV1S

TFV2

TFV1L

TFV2HB

Applications
- Used on compressed air tanks and other applications

Feature
- Standard valve stem thread

Connection	Length	Nickel Plated Part #	Length	Brass Part #
1/8" NPT	.85"	TFV1S	---	---
	1.24"	TFV1L	---	---
1/4" NPT	1"	TFV2	---	---
1/4" barb	---	---	1.57"	TFV2HB

Brass Lever External Drains

Application
- For air service only ⚠

Specification
- Maximum operating pressure: **30 PSI** at ambient temperature **70°F (21°C)**

Female NPT	Male NPT	Brass Part #
1/4"	1/4"	LDC2

Male NPT	Male NPT	Brass Part #
1/4"	1/4"	LDCM2

Female NPT	Female NPT	Brass Part #
1/4"	1/4"	LDCF2

Brass External Drain Cocks

D02

Application
- Designed for low pressure water and air applications

Specification
- Maximum operating pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- Temperature range: **-65°F to 250°F (-54°C** to **121°C)**

NPT Size	Brass Part #
1/8"	D02
1/4"	D04

Safety Pop-Off Valves

Applications
- For use on compressors and in compressed air service

Feature
- Designed to protect un-fired pressure vessels from over-pressure

Specifications
- ASME Code, National Board Certified
- CSA B51-03 certified
- Temperature range **-65°F** to **400°F (-54°C** to **204°C)**

Soft Seat

Feature
- Constructed of precision machined brass bar stock with a silicone disc sealing on the brass

Male NPT	Preset Pressure PSI	SCFM	Brass Part #
1/4"	**100**	51	KSV10-100
	125	62	KSV10-125
	150	73	KSV10-150
	175	84	KSV10-175

Standard

Features
- Brass valves are supplied with a stainless steel ball and silicone disc
- Stainless valves are all stainless construction with a hard seat
- Supplied with a stainless steel ball and silicone disc and silicone disc

Male NPT	Preset Pressure PSI	SCFM	Brass Part #	SCFM	Stainless Steel Part #
1/4"	**30**	30	SV30	35	SV30SS
	100	90	SV100	92	SV100SS
	125	110	SV125	112	SV125SS
	150	130	SV150	132	SV150SS
	175	150	SV175	153	SV175SS
	200	170	SV200	173	SV200SS

brass

stainless steel

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

F

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

Material
- Seal: Nitrile

Specifications
- 1/8" – 3/4" maximum operating pressure: **2,000 PSI** at ambient temperature **70°F (21°C)**, 1" **500 PSI** at ambient temperature **70°F (21°C)**
- Operating Temperature Range: **-20°F** to **250°F (-29°C** to **121°C)**
- Cracking pressure: **5 PSI**

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

Material
- Seal: Nitrile

Specifications
- 1/8" – 3/4" maximum operating pressure: **2,000 PSI** at ambient temperature **70°F (21°C)**, 1" **500 PSI** at ambient temperature **70°F (21°C)**
- Operating Temperature Range: **-20°F to 250°F (-29°C** to **121°C)**
- Cracking pressure: **5 PSI**

Female NPTF	Brass Part #
1/8"	BN200
1/4"	BN400
3/8"	BN600
1/2"	BN800
3/4"	BN1200
1"	BN1600

Series-C Check Valves

brass

steel

Feature
- Provides free flow in one direction and dependable shutoff in the opposite direction

Material
- Seal: Nitrile

Specifications
- Maximum operating pressure: Brass **2,000 PSI** at **70°F (21°C);** Steel **5,000 PSI** at **70°F (21°C)**
- Cracking pressure: **5 PSI**

Female NPT	Free Flow GPM	Maximum Operating PSI at 70°F (21°C)	Brass Part #	Maximum Operating PSI at 70°F (21°C)	Steel Part #
1/8"	3	**2,000**	BCV200	**5,000**	SCV200
1/4"	5	**2,000**	BCV400	**5,000**	SCV400
3/8"	8	**2,000**	BCV600	**5,000**	SCV600
1/2"	15	**2,000**	BCV800	**5,000**	SCV800

Safety Blow Guns

Safety blow guns have a safety tip that prevents buildup of tip pressure in the event the outlet is obstructed or "dead ended." They comply with the requirements for OSHA 1910.242 (B) and 1910.95 when used on air lines of **150 PSI** or less.

Features

- Design comfortably fits contour of the hand, minimizing user fatigue
- Ergonomic large lever with black vinyl grip allows for easy air flow activation
- 1/4" female NPT inlet

Air Chief

The air chief safety blow gun is designed to conform to OSHA Standard 1910.242 (B) permitting a maximum of **30 PSI** outlet pressure when dead ended based on a maximum of **150 PSI** inlet pressure as well as OSHA Standard 1910.95 regulating occupational noise level exposure. Safety glasses or shield must be worn when using any blow gun.

Feature

- Recessed internal slotted screw allows easy access to valve assembly for repairs or replacement

Materials

- Chrome plated zinc die cast body, nickel plated steel lever, vinyl thumb grip, stainless steel spring, brass valve, nitrile rubber seals, and nickel plated brass tip combine for superior corrosion resistance

Part #
D204-30

Premium

The premium safety blow gun is designed to conform to OSHA Standard 1910.242 (B) permitting a maximum of **30 PSI** outlet pressure when dead ended based on a maximum of **150 PSI** inlet pressure as well as OSHA Standard 1910.95 regulating occupational noise level exposure. Safety glasses or shield must be worn when using any blow gun.

Materials

- 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.

Materials

- 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
- Excepts all standard 1/8" tips and extensions
- **150 PSI** maximum inlet

Part #
PG700

Extended Nozzle Pistol Grip

Features
- Variable output trigger enables user to control air flow
- Slender 5" extended nozzle allows access to hard-to-reach places
- Lightweight and ergonomic design reduces 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

Materials
- Spring: stainless steel
- Body: polymer

Specifications
- Models that are designated as safety conform to OSHA standards for noise levels (1910.95) and **30 PSI** dead-end pressure (1910.242B)
- Pressure rating: **150 PSI**
- Temperature rating: **-40°F to 165°F (-40°C to 73°C)**

Part #
ENBG1

NOTE: Compressed air service only

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

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.

Materials
- Chrome plated zinc die cast body, nickel plated steel lever, vinyl thumb grip, stainless steel spring, brass valve, nitrile rubber seals, and ventless, nickel plated brass tip provide superior corrosion resistance

Part #
D605

Rubber Tip

The rubber tip will not scratch or mar delicate surfaces. The conical, rubber tip can also be used to create a seal between the blow gun and fluid lines (or any other opening). Base of the tip is nickel-plated brass for additional corrosion resistance. Must be used on air lines having a maximum regulated pressure of **30 PSI** in order to comply with OSHA Standard 1910.242 (B). Safety glasses or shield must be worn when using any blow gun.

Materials
- 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

Materials
- Brass base with a rugged steel extension tube, all nickel plated

Size Extension	Part #
6"	BGE6
10"	BGE10
12"	BGE12
18"	BGE18
24"	BGE24

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.
- Maximum input pressure: **150 PSI**

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)
- Maximum input pressure: **125 PSI**
- Noise level at **100 PSI**, 110dB

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 at 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

F

Bulk Hose – No Fittings

Feature
- Need assembly kits below for ends

Hose I.D.	Length	Nylon Part #
1/4"	100'	CC14100B
3/3/8"	100'	CC38100B
1/2"	100'	CC12100B

Assembly Kits

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

Size	Fitting Type	Part #
1/4"	rigid male	RK090
	swivel male	RK092
3/8"	rigid male	RK110
	swivel male	RK112
1/2"	rigid male	RK118
	swivel male	RK119

RK110 assembly kit

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

F

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) at 75°F	Polyurethane Part #
1/4"	10'	1/4"	**125**	PU1410
	15'	1/4"	**125**	PU1415
	25'	1/4"	**125**	PU1425
3/8"	15'	3/8"	**115**	PU3815
	20'	3/8"	**115**	PU3820
	25'	3/8"	**115**	PU3825
	50'	3/8"	**115**	PU3850
1/2"	15'	1/2"	**115**	PU1215[1]

[1] Supplied without fittings for custom assemblies

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

NOTE: Male NPT to size

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) at 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" Industrial with 1/4" female NPT
- Works with tool connected or disconnected
- Safety glasses or shield must be worn when using any blow gun
- **120 PSI** maximum

Materials
- Blow gun: brass and plated steel

Female NPT	Part #
1/4"	CBG25

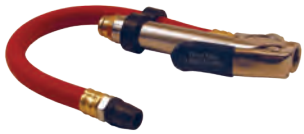
Heavy Duty Tire Pressure Gauge

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**



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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 **50 PSI**

Part #
DFG5

Dual Foot Tire Pressure Gauges

Features
- Handy pocket clip
- Calibrated in **10 PSI** increments from **20** to **120 PSI.** Reads in both **PSI** and **Kilopascal**.

Part #
DFG1

Features
- Heavy duty hang-up ring
- Calibrated in **10 PSI** increments from **10** to **150 PSI**

Part #
DFG2

Tire Inflator Chuck

Features
- Ball foot chuck
- For direct connection to live air only
- Features a built-in shutoff valve (will not work on inflator gauges)
- 1/4" NPT female thread

Specifications
- Maximum pressure is **150 PSI**

Brass Part #	Optional Qty
D104	10

Ball Swivels

Features
- Brass and hardened steel construction
- O-ring seals
- Wobble action for increased flexibility with air driven tools
- Full flow at any angle, range of motion 20° to 25°

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

D344U

D346U, D348U

Features
- Swivels 360° at two pivot points allowing the air hose to drop directly to the floor
- Do not use with percussion tools
- No flow control

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

NPT Size	Aluminum Part #
1/4"	D344U[1]
3/8"	D346U
1/2"	D348U

[1] D344U is a non-marring composite.

P-HV-Series Low Pressure Spring Driven Hose Reel

Features
- Professional-grade heavy-duty steel construction
- Blue powder coat
- Rolled edges and ribbed discs provide strength and safety
- Hybrid (PVC + rubber) bright yellow hose with a white glossy strip
- Superior visibility, increased hose flexibility, enhanced kink resistance, and reduced coil memory
- 1” solid steel axle and lubricated precision bearings for smooth rotation
- Multi-position lock ratchet mechanism secures hose at desired length
- Enclosed, factory-tuned and matched cartridge-style spring motor
- Made in the U.S.A.

Materials
- Solid one-piece, heavy gauge 1/4" steel base and support post
- Non-corrosive stainless-steel spring, pawl, and zinc-plated ratchet

Specification
- Maximum temperature **150°F (66°C)**

With Hose

Hose I.D.	Hose Length	Service	Working Pressure PSI at 70°F	Steel Part #
3/8"	50'	air/water	**300**	PHV3850
1/2"	50'	air/water	**300**	PHV5050

SH-HV-Series Low Pressure Spring Driven Hose Reel with Hose

Features
- Professional-grade heavy-duty steel construction
- Blue powder coat
- Rolled edges and ribbed discs provide strength and safety
- Hybrid (PVC plus rubber) bright yellow hose with a white glossy strip
- Superior visibility, increased hose flexibility, enhanced kink resistance, and reduced coil memory
- Multi-position lock ratchet mechanism secures hose at desired length
- Enclosed factory-tuned and matched cartridge-style spring motor
- Made in the U.S.A.

Materials
- Solid one-piece, heavy gauge 1/4" steel base and support post
- Non-corrosive stainless-steel spring, pawl, and zinc-plated ratchet
- 1” solid steel axle and lubricated precision bearings for smooth rotation

Specification
- Maximum temperature **150°F (66°C)**

With Hose

Hose I.D.	Hose Length	Service	Working Pressure PSI at 70°F	Steel Part #
1/2"	50'	air/water	**300**	SHHV5050

P-Series Low Pressure Spring Driven Hose Reel

Features
- Professional-grade heavy-duty steel construction
- Blue powder coat
- Rolled edges and ribbed discs provide strength and safety
- 1” solid steel axle and lubricated precision bearings for smooth rotation
- Multi-position lock ratchet mechanism secures hose at desired length
- Enclosed, factory-tuned and matched cartridge-style spring motor
- Made in the U.S.A.

Materials
- Solid one-piece, heavy gauge 1/4" steel base and support post
- Non-corrosive stainless-steel spring, pawl, and zinc-plated ratchet

Specification
- Maximum temperature **150°F (66°C)**

With Hose

Hose I.D.	Hose Length	Service	Working Pressure PSI at 70°F	Steel Part #
1/4"	50'	air/water	**300**	P2550
3/8"	35'	air/water	**300**	P3835
3/8"	50'	air/water	**300**	P3850
1/2"	50'	air/water	**300**	P5050

Without Hose

Hose Capacity	Service	Working Pressure PSI at 70°F	Steel Part #
50' of 1/4"	air/water	**300**	P2550N
50' of 3/8"	air/water	**300**	P3875N

EZ-P-Series Low Pressure Spring Driven Hose Reel with Hose

Features
- Compact space-saving size and heavy-duty construction make them highly versatile and virtually indestructible
- Time-tested proven components, superior design, and craftsmanship
- Multi-position lock ratchet mechanism secures hose at desired length
- Professional-grade heavy-duty steel construction
- Blue powder coat
- Rolled edges and ribbed discs provide strength and safety
- Reduce retraction speed by up to 80%
- Control hose or cord whip hazard
- Requires no external power source
- Enhances operator and workplace safety
- Keep your workplace organized, utilize space, and maximize efficiency
- Improve hose, cord, and cable management extending longevity of hose, cord, and cable

Materials
- Non-corrosive stainless steel spring, pawl, and zinc-plated ratchet
- 1" solid steel axle and lubricated precision bearings for smooth rotation

Specification
- Maximum temperature **150°F (66°C)**

With Hose

Hose I.D.	Hose Length	Service	Working Pressure PSI at 70°F	Steel Part #
3/8"	50'	air/water	**300**	EZP3850
1/2"	35'	air/water	**300**	EZP5050

100-Series High-Pressure Hand Crank Hose Reel without Hose

Features
- Blue powder coat
- Lightweight, compact, versatile
- Save time and effort while increasing the safety of your work environment
- Sturdy “U” shaped frame

Specification
- Maximum temperature **150°F (66°C)**

Without Hose

Hose Capacity	Service	Working Pressure PSI at 70°F	Steel Part #
50' of 3/8"	water	**4000**	C3850N
100' of 3/8"	water	**4000**	C38100N
250' of 3/8"	water	**4000**	C38250N

Reelcraft® 20,000 High Pressure Hand Crank Spray Reel without Hose

New

Features
- Powder coated aluminum
- Carbon steel swivel
- 18" spool width

Specification
- Maximum temperature **210°F (99°C)**

Hose I.D.	Hose Capacity	Service	Working Pressure PSI at 70°F	Part #
3/8"	500'	water	**4500**	C23018H
1/2"	300'			
5/8"	250'			
3/4"	200'			

NOTE: 12" and 22" spool widths available upon request

Reelcraft® 5,000 Series Spring Driven Hose Reels

Features
- Reel inlet 3/8" NPTF
- All steel construction
- Full shaft and swivel
- Supplied standard with PVC hose
- Compressed air hose should not be converted to oxygen service; they are often contaminated with an oil coating, which can react explosively when oxygen is introduced

Specification
- Maximum temperature: **150°F (66°C)**

With Hose

Hose I.D.	Hose Length	Service	Working Pressure PSI	Part #
1/4"	50'	air/water	**300**	5450LP
3/8"	35'	air/water	**300**	5635LP
	50'	air/water	**300**	5650LP

Without Hose

Hose Capacity	Service	Working Pressure PSI	Part #
50' of 1/4" or 35' of 3/8"	air/water	**500**	5600LP
50' of 3/8"	air/water	**500**	5605LP

Reelcraft® 7,000 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", 50' of 1/2"	oil	**3000**	7800MP
50' of 1/4", 50' of 3/8"	grease	**5000**	7600HP

Reelcraft® 80,000 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

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

Specifications
- Maximum temperature is **150°F (66°C)** with hose
- Maximum temperature is **210°F (99°C)** without hose

With Hose

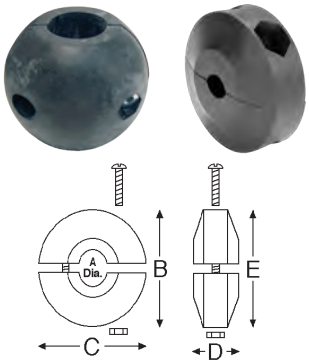
Hose I.D.	Hose Length	Service	Working Pressure PSI	Part #
1/2"	100'	air/water	**300**	82100LP
3/4"	50'	air/water	**250**	83050LP

Without Hose

Hose Capacity	Service	PSI	Part #
50' of 3/4" or 100' of 1/2"	air/water	**500**	83000LP

Adjustable Hose Bumper Stops

Hose I.D.	Hose O.D.		Dimensions		Reel Series Used On	Part #
	From	To	B,C,E	D		
1/4"	0.438"	0.625"	2-1/2"	1-1/4"	5000	1-HR1004A
3/8"	0.625"	0.749"	2-1/2"	1-1/4"	5000	1-HR1004
3/8"	0.625"	0.749"	3"	1-1/4"	7000	1-HR1004-3
1/2" or 3/8" 2-wire	0.750"	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"	0.750"	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® 30,000 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

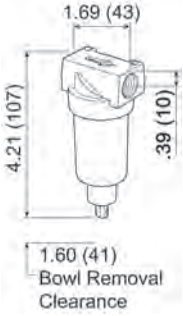
Hose I.D.	Inlet	Hose Capacity	Spool Width	Working Pressure PSI	Part #
3/4"	3/4"	100'	12"	**1000**	C33112L
1/2"	1/2"	200'	12"	**3000**	C32112M

F

Wilkerson® FRLs

F03-Series Miniature Filters

Transparent bowl



Features
- Excellent water removal efficiency
- 5 micron element
- Transparent/metal bowls

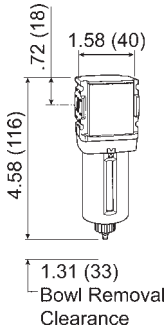
Specifications
- Maximum operating conditions:
  - transparent bowl: **150 PSIG** (**10.3 bar**) and **32°F** to **125°F** (**0°C** to **52°C**)
  - metal bowl: **250 PSIG** (**17.2 bar**) and **32°F** to **175°F** (**0°C** to **80°C**)

Port Size	Flow (SCFM)	Transparent Bowl		Metal Bowl	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/8"	22	F03-01A	F03-01M	F03-01AMB	F03-01MMB
1/4"	24	F03-02A	F03-02M	F03-02AMB	F03-02MMB

NOTE: SCFM ratings at **90 PSIG** inlet pressure.

F08-Series Miniature Filters

Metal bowl



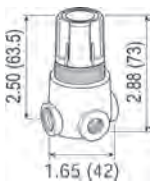
Features
- 5 micron element
- .6 oz. bowl

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

Port Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	50	F08-02A	F08-02M	F08-02AMB	F08-02MMB

NOTE: See pages 322-326 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** (**20.7 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 322-326 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 PSI** flush mount style gauge
- Models supplied without gauge use a GC620 gauge.
- Panel mount nuts sold separately

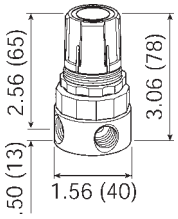
Specifications
- Maximum operating conditions:
  300 PSIG (**20.7 bar**) and **-4°F** to **150°F** (**-20°C** to **65.5°C**)

Size	Flow (SCFM)	With Gauge Part #
1/4"	68	R08-02RG

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"	14	RB3-01RG	RB3-01R
1/4"	14	RB3-02RG	RB3-02R

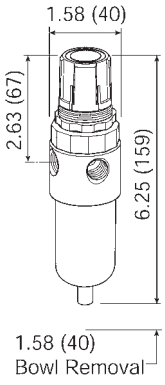
NOTE: See pages 322-326 for accessories.
SCFM ratings at **100 PSIG** inlet pressure.

BB3-Series Miniature Filters/Regulators

Features
- **2-125 PSI** adjusting range
- 5 micron element
- .4 oz. bowl
- Self-relieving
- Supplied with a GC620 gauge

Specifications
- Maximum operating conditions:
  - transparent bowl: **150 PSIG** (**10.37 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**)

Transparent bowl



Port Size	Flow (SCFM)	Transparent Bowl		Metal Bowl	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/8"	13	---	BB3-01MG	---	BB3-01MGMB
1/4"	16	BB3-02AG	BB3-02MG	---	BB3-02MGMB

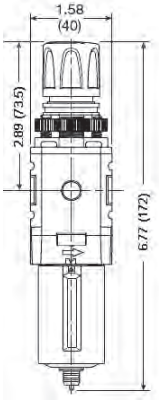
NOTE: SCFM ratings at **100 PSIG** inlet pressure.
FRLs are designed for air service only, unless otherwise indicated.

F

Wilkerson® FRLs

B08-Series Miniature Filters/Regulators

Transparent bowl



Features
- **0-125 PSI** adjusting range
- 5 micron element
- .4 oz. bowl
- Self-relieving
- Supplied with a **0-160 PSI** flush mount style gauge

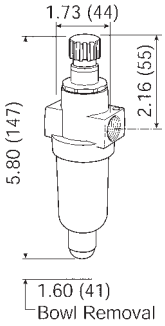
Specifications
- Maximum operating conditions:
  - transparent bowl: **150 PSIG** (**10.3 bar**) and **14°F** to **125°F (-10°C** to **52°C)**
  - metal bowl: **250 PSIG** (**17.2 bar**) and **14°F** to **150°F (-10°C** to **65.5°C)**

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 322-326 for accessories.
SCFM ratings at **100 PSIG** inlet pressure.

L03-Series Miniature Lubricators

Transparent bowl



Features
- Polycarbonate/metal bowls
- 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

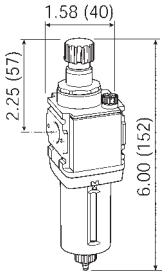
Specifications
- Maximum operating conditions:
  - transparent bowl: **150 PSIG** (**10.3 bar**) and **32°F** to **125°F (0°C** to **52°C)**
  - metal bowl: **250 PSIG** (**17.2 bar**) and **32°F** to **175°F (0°C** to **80°C)**

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

Metal bowl



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 322-326 for accessories.
See page 273 for air tool lubricant.
SCFM ratings at **91.3 PSIG** inlet pressure.
FRLs are designed for air service only, unless otherwise indicated.

Wilkerson® FRLs

C03-Series Miniature Combination Units

Features

- Included components: (2) adapters

Filter series F03:

- 5 micron element
- .5 oz. bowl

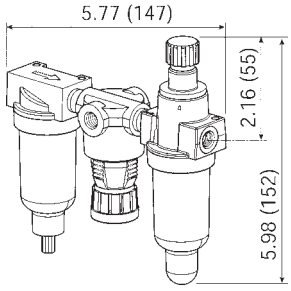
Regulator series R03:

- **2-125 PSI** adjusting range
- Balanced valve design
- Self-relieving
- Supplied with a GC620 gauge
- Can be mounted with knob in up or down position

Lubricator series L03:

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

Transparent bowl



Specifications

- Maximum operating conditions:
  - transparent bowl: **150 PSIG** (**10.3 bar**) and **32°F** to **125°F** (**0°C** to **52°C**)
  - metal bowl: **250 PSIG** (**17.2 bar**) and **32°F** to **175°F** (**0°C** to **80°C**)

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/8"	20	C03-01A	C03-01M	C03-01AMB	C03-01MMB
1/4"	20	C03-02A	C03-02M	C03-02AMB	C03-02MMB

NOTE: SCFM ratings at **100 PSIG** inlet pressure.

C08-Series Miniature Combination Units

Features

- Included components: (2) mounting brackets with joiner set

Filter series F08:

- 5 micron element
- .6 oz. bowl

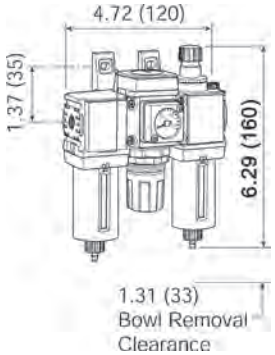
Regulator series R08:

- **0-125 PSI** adjusting range
- Balanced valve design
- Self-relieving
- Supplied with a **0-160 PSI** flush mount style gauge

Lubricator series L08:

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

Metal bowl



Specifications

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

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	27	C08-02A	C08-02M	C08-02AMB	C08-02MMB

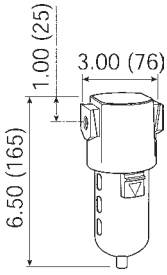
NOTE: SCFM ratings at **100 PSIG** inlet pressure.
FRLs are designed for air service only, unless otherwise indicated.

F

Wilkerson® FRLs

F16-Series Compact Airline Filters

With guard



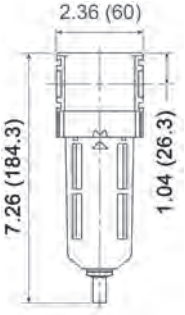
Features
- 5 micron element
- 2.7 oz. bowl

Specifications
- Maximum operating conditions:
  - transparent bowl: **150 PSIG** (**10.3 bar**) and **32°F** to **125°F** (**0°C** to **52°C**)
  - metal bowl: **200 PSIG** (**13.8 bar**) and **32°F** to **150°F** (**0°C** to **65.5°C**)

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	63.0	F16-02A	F16-02M	F16-02AMB	F16-02MMB
3/8"	74.1	F16-03A	F16-03M	---	F16-03MMB
1/2"	80.4	F16-04A	F16-04M	F16-04AMB	F16-04MMB

F18-Series Compact Airline Filters

Transparent bowl with guard



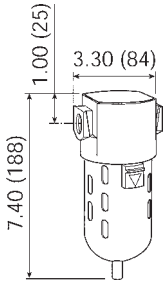
Features
- High flow capacity
- 5 micron element
- 1.72 oz. bowl

Specifications
- Maximum operating conditions:
  - transparent bowl: **150 PSIG** (**10.3 bar**) and **-13°F** to **125°F** (**-25°C** to **52°C**)
  - metal bowl: **250 PSIG** (**17.2 bar**) and **-13°F** to **150°F** (**-25°C** to **65.5°C**)

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	50	F18-02A	F18-02M	F18-02AMB	F18-02MMB
3/8"	78	F18-03A	F18-03M	F18-03AMB	F18-03MMB
1/2"	82	F18-04A	F18-04M	F18-04AMB	F18-04MMB

F26-Series Standard Airline Filters

With guard



Features
- 5 micron element
- 3.2 oz. bowl

Specifications
- Maximum operating conditions:
  - transparent bowl: **150 PSIG** (**10.3 bar**) and **32°F** to **125°F** (**0°C** to **52°C**)
  - metal bowl: **200 PSIG** (**13.8 bar**) and **32°F** to **150°F** (**0°C** to **65.5°C**)

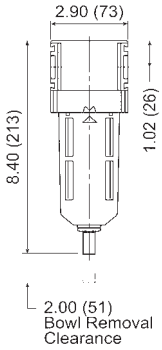
Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
3/8"	117.8	F26-03A	F26-03M	F26-03AMB	F26-03MMB
1/2"	149.8	F26-04A	F26-04M	F26-04AMB	F26-04MMB

NOTE: SCFM ratings at **150 PSIG** inlet pressure.
See pages 322-326 for accessories.
FRLs are designed for air service only, unless otherwise indicated.

Wilkerson® FRLs

F28-Series Standard Airline Filters

Transparent bowl with guard



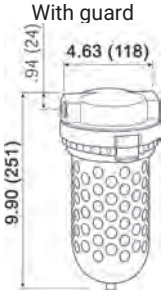
Features
- High flow capacity
- 5 micron element
- 2.87 oz. bowl

Specifications
- Maximum operating conditions:
  - transparent bowl: **150 PSIG** (**10.3 bar**) and **-13°F** to **125°F** (**-25°C** to **52°C**)
  - metal bowl: **250 PSIG** (**17.2 bar**) and **-13°F** to **150°F** (**-25.5°C** to **65.5°C**)

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
3/8"	115	F28-03A	F28-03M	F28-03AMB	F28-03MMB
1/2"	120	F28-04A	F28-04M	F28-04AMB	F28-04MMB
3/4"	145	F28-06A	F28-06M	F28-06AMB	F28-06MMB

F30-Series Jumbo Airline Filters

With guard



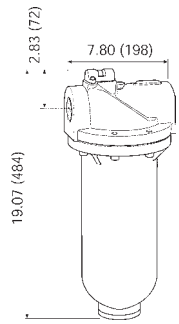
Features
- 5 micron element
- 2 oz. bowl

Specifications
- Maximum operating conditions:
  - transparent bowl: **150 PSIG** (**10.3 bar**) and **32°F** to **125°F** (**0°C** to **52°C**)
  - metal bowl: **200 PSIG** (**13.8 bar**) and **32°F** to **150°F** (**0°C** to **65.5°C**)

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
3/4"	316	F30-06A	F30-06M	F30-06AMB	F30-06MMB
1"	323	F30-08A	F30-08M	F30-08AMB	F30-08MMB

F35-Series Jumbo Airline Filters

With metal bowl



Features
- 5 micron element
- 12.5 oz. bowl

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

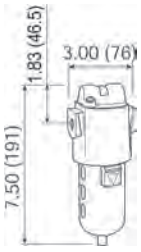
Size	Flow (SCFM)	Heavy Duty Metal Bowl	
		Automatic Drain Part #	Manual Drain Part #
1-1/2"	1280	F35-0BAMB	F35-0BMMB
2"	1400	F35-0CAMB	F35-0CMMB

NOTE: SCFM ratings at **150 PSIG** inlet pressure.
See pages 322-326 for accessories.
FRLs are designed for air service only, unless otherwise indicated.

Wilkerson® FRLs

M16-Series Compact Coalescing Filters

With guard



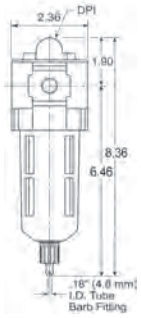
Features
- 0.01 micron type C element
- 2.7 oz. bowl
- Can be installed in modular system
- Removes extremely fine oil mists, oil aerosols, and microscopic particles
- A standard airline filter should be installed as a pre-filter when using a coalescing filter
- 0.5 micron type B and 0.003 micron type 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



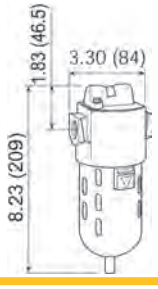
Features
- High-efficiency removal of water, oil aerosols, and solid particulate contaminants down to 0.01 mg/m³ with minimum pressure drop
- Modern design and appearance
- Light weight
- High flow capacity
- 1.72 oz. bowl

Specifications
- Maximum operating conditions: **150 PSIG** (**10 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"	36	M18-02A	M18-02M
3/8"	36	M18-03A	M18-03M
1/2"	36	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**)

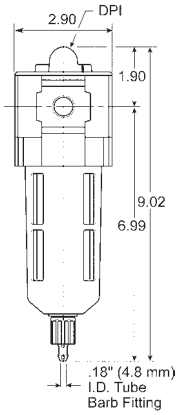
Size	Flow (SCFM)	With Standard Transparent Bowl and Guard	
		Automatic Drain Part #	Manual Drain Part #
1/4"	55.0	---	---
3/8"	65.5	M26-03A	---
1/2"	79.5	M26-04A	M26-04M

NOTE: SCFM ratings at **150 PSIG** inlet pressure.
See pages 322-326 for accessories.
FRLs are designed for air service only, unless otherwise indicated.

Wilkerson® FRLs

M28-Series Standard Coalescing Filters

with guard



Features

- Removes extremely fine oil mists, oil aerosols, and microscopic particles
- A standard airline filter should be installed as a pre-filter when using a coalescing filter
- 0.5 micron type B and 0.003 micron type D elements are optional
- Differential pressure indicator changes from green to red with pressure loss
- High-efficiency removal of water, oil aerosols, and solid particulate contaminants down to 0.01 mg/m^3 with minimum pressure drop
- Modern design and appearance
- Light weight
- High flow capacity
- 2.87 oz. bowl

Specifications

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

Size	Flow (SCFM)	Compact Transparent Bowl and Guard	
		Automatic Drain Part #	Manual Drain Part #
3/8"	42	M28-03A	M28-03M
1/2"	42	M28-04A	M28-04M
3/4"	68	M28-06A	M28-06M

M30-Series Jumbo Coalescing Filters

with guard

Features

- 0.01 micron type C element
- 2 oz. bowl

Specifications

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

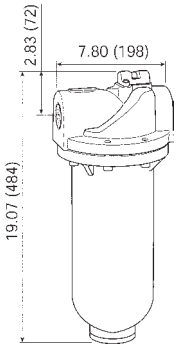
Size	Flow (SCFM)	Jumbo Transparent Bowl and Guard
		Automatic Drain Part #
1/2"	123	M30-04A
3/4"	173	M30-06A
1"	203	M30-08A

NOTE: SCFM ratings at **150 PSIG** inlet pressure.
See pages 322-326 for accessories.
FRLs are designed for air service only, unless otherwise indicated.

Wilkerson® FRLs

M35-Series Heavy Duty Coalescing Filters

M35-0CAMB



Features

- For removal of extremely fine oil mists, oil aerosols, and microscopic particles
- A standard airline filter should be installed as a pre-filter when using a coalescing filter
- 1.0 micron type B1 and 0.003 micron type D elements are optional
- Differential pressure indicator changes from green to red with pressure loss
- 0.01 micron type C element
- 13.9 oz. bowl
- Differential pressure indicator eliminates the guesswork of element placement

Specification

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

Size	Flow (SCFM)	Metal Bowl Automatic Drain Part #
1-1/2"	710	M35-0BAMB
2"	710	M35-0CAMB

NOTE: SCFM ratings at **150 PSIG** inlet pressure.
See pages 322-326 for accessories.
FRLs are designed for air service only, unless otherwise indicated.

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Wilkerson® FRLs

X03-Series Manual In-Line Desiccant Dryers

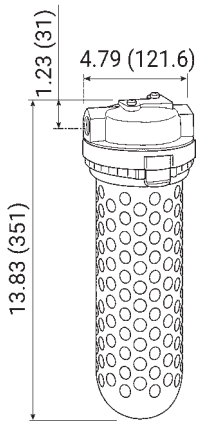
Applications

- Manual air dryers are used to remove water vapor from compressed air systems, in applications such as paint spraying, laboratory instruments, and small control air systems. Filtration for absorber type dryers is important to protect the desiccant bed from contamination. Cleaner incoming air will result in better performance, longer life, and fewer service problems. To regenerate silica gel desiccant, it must be heated to at least **350°F (177°C)** for approximately 3 hours or until color has changed from pink to blue. Allow desiccant to cool to room temperature before pouring back into unit bowl.
- An after-filter should be placed downstream from the desiccant dryer to ensure solid contaminants such as desiccant dust do not migrate downstream

with transparent bowl

Features

- Will dry up to 4,400 standard cubic feet of air
- Desiccant; good for approximately 440 minutes at maximum continuous air flow before regeneration is required
- Supplied with two bags of silica gel, which changes from blue to pink to indicate the need to replace or regenerate the desiccant. See page 322 for refills.
- Slotted bowl guard for visual detection of color change
- No electrical connection necessary



Specifications

- Provides atmospheric dew point of **-45°F (-43°C)** with dry desiccant at **100 PSI** and **70°F (21°C)**
- Maximum operating conditions:
  - transparent bowl: **150 PSIG** (**10.3 bar**) and **125°F (52°C)**
  - metal bowl: **150 PSIG** (**10.3 bar**) and **150°F (66°C)**

Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
1/4"	10	X03-02	X03-02MB

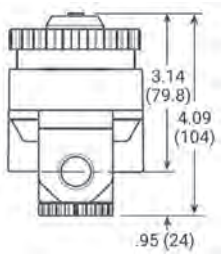
R21-Series Dial Air Regulators

Applications

- Dial-air regulators feature a transparent, pressure-calibrated, non-rising adjustment dial for quick adjustment of secondary pressure. The full reduced pressure range can be dialed in less than 270° of dial rotation. This feature is particularly advantageous if secondary pressure must be changed frequently. Dial air regulators can be mounted in any position so dial face is always visible. All dial-air units have a slight constant air bleed.

Features

- **0-160 PSI** adjusting range
- Balanced valve design
- Relieving type
- Non-rising pressure adjusting dial
- Piston operated
- Two -1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge port standard on models with gauge – can be used for additional outlet ports.
- Models supplied without gauge use a GC235 gauge



Specifications

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

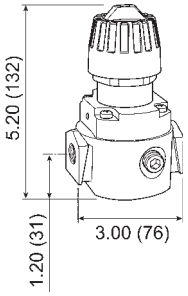
Size	Flow (SCFM)	With Gauge Part #	Without Gauge Part #
1/4"	117	R21-02RG	R21-02R
3/8"	180	R21-03RG	R21-03R
1/2"	195	R21-04RG	R21-04R
3/4"	220	R21-06RG	R21-06R

NOTE: SCFM ratings at **100 PSIG** inlet pressure.
See pages 322-326 for accessories.
FRLs are designed for air service only, unless otherwise indicated.

F

Wilkerson® FRLs

R16-Series Compact Regulators



Features

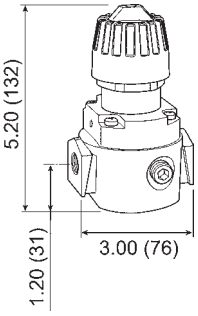
- **0-125 PSI** adjusting range
- For **0-60 PSI** range consult Dixon®
- Self-relieving standard
- Can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise; to reduce pressure, turn knob counterclockwise
- Two 1/4" NPT gauge 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

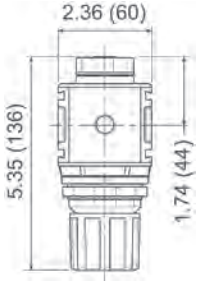
- **0-250 PSI** adjusting range
- Self-relieving standard
- Non-rising push/pull locking adjustment knob
- Panel mount nut standard
- Excellent flow characteristics
- Can be installed with the adjusting knob in any position
- Two 1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge 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 counterclockwise.
- 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 **150°F** (**-25°C** to **65.5°C**)

Size	Flow (SCFM)	With Gauge Part #	Without Gauge Part #
1/4"	148	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 322-326 for accessories.

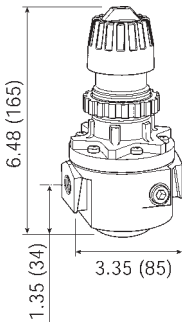
FRLs are designed for air service only, unless otherwise indicated.

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

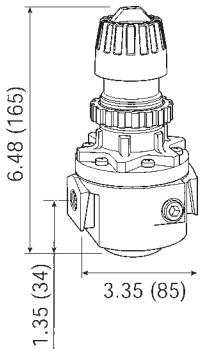
- Maximum operating conditions: **300 PSIG** (**21 bar**) and **32°F** to **150°F** (**0°C** to **66°C**)

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** (**21 bar**) and **32°F** to **150°F** (**0°C** to **66°C**)

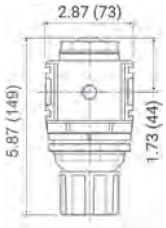
Size	Flow (SCFM)	With Gauge Part #	Without Gauge Part #
3/8"	148	R26-03RHG	R26-03RH
1/2"	185	R26-04RHG	R26-04RH

NOTE: SCFM ratings at **100 PSIG** inlet pressure.
See pages 322-326 for accessories.
FRLs are designed for air service only, unless otherwise indicated.

F

Wilkerson® FRLs

R28-Series Standard Regulators

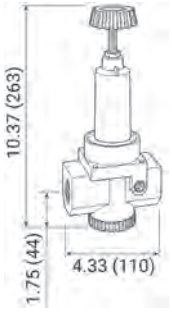


Features
- **0-125 PSI** adjusting range
- Self-relieving standard
- Four adjusting pressure ranges available
- To increase regulated pressure, pull adjusting knob up and turn clockwise; to reduce pressure, turn knob counterclockwise.
- Two 1/4" NPT gauge ports located on the front and rear faces of 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 **150°F** (**-25°C** to **65.5°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

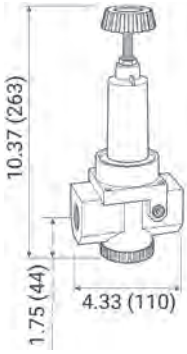


Features
- **0-125 PSI** adjusting range
- Self-relieving standard
- Piston operated
- Can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise; to reduce pressure, turn knob counterclockwise.
- Two 1/4" NPT gauge ports standard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

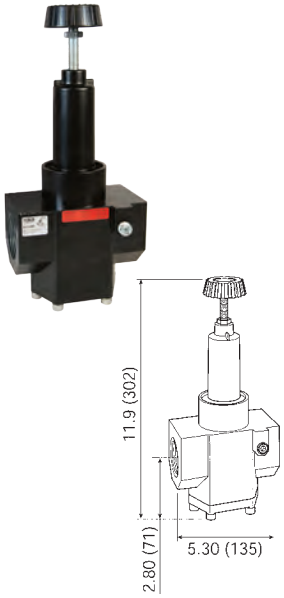
Specifications
- Maximum operating conditions: **300 PSIG** (**20.7 bar**) and **32°F** to **150°F** (**0°C** to **66°C**)

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 322-326 for accessories.
FRLs are designed for air service only, unless otherwise indicated.

Wilkerson® FRLs

R40-Series High Flow Regulators

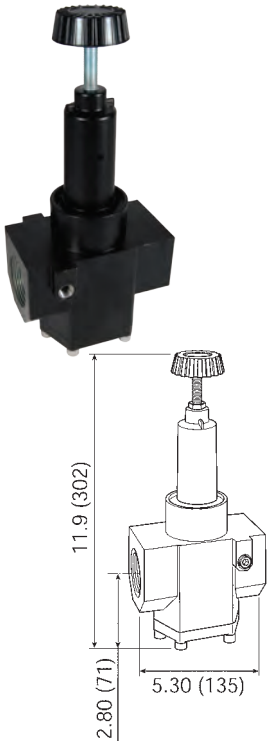


Features
- **0-125 PSI** adjusting range
- Self-relieving standard
- Piston operated
- Can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise; to reduce pressure, turn knob counterclockwise
- Two 1/4" NPT gauge ports standard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

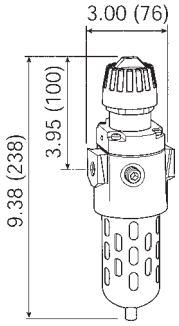
NOTE: SCFM ratings at **100 PSIG** inlet pressure.
See pages 322-326 for accessories.
FRLs are designed for air service only, unless otherwise indicated.

F

Wilkerson® FRLs

CB6-Series Compact Filter/Regulators

with guard



Over-under units are space savers and provide for installation in tight areas. One common inlet/outlet for both filter and regulator saves on piping costs.

Features

- **0-125 PSIG** adjusting range
- 5 micron reusable element
- 2 oz. bowl
- Self-relieving standard
- Diaphragm operated
- Quick-disconnect bowl guard with integral plastic bowl and safety latch standard
- Two 1/4" gauge ports are provided in either side of the regulator body for installation of a gauge or to use as an additional outlet port, plug unused port(s)
- Supplied with GC230 gauge

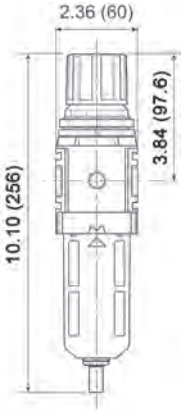
Specifications

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

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	64	CB6-02AG	CB6-02MG	CB6-02AGMB	---
3/8"	70	CB6-03AG	CB6-03MG	CB6-03AGMB	CB6-03MGMB
1/2"	70	CB6-04AG	CB6-04MG	CB6-04AGMB	CB6-04MGMB

B18-Series Compact Filter/Regulators

with metal bowl



Features

- **5-125 PSIG** adjusting range for transparent bowl with guard
- **10-250 PSIG** adjusting range for metal bowl with sight glass
- 5 micron element
- 1.72 oz. bowl
- Self-relieving standard
- Spring-loaded diaphragm
- To increase regulated pressure, pull adjusting knob and turn clockwise; to reduce pressure, turn knob counterclockwise, to lock knob, push down
- Two 1/4" gauge ports located on the front and rear faces of the body, these ports may be used as additional regulated ports or for pressure gauges, plug unused port(s)
- Transparent bowl supplied with GC230 gauge
- Metal bowl supplied with GC240 gauge

Specifications

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

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	148	B18-02AG	B18-02MG	B18-02AGMB	B18-02MGMB
3/8"	158	B18-03AG	B18-03MG	B18-03AGMB	B18-03MGMB
1/2"	164	B18-04AG	B18-04MG	B18-04AGMB	B18-04MGMB

NOTE: SCFM ratings at **145 PSIG** inlet pressure.

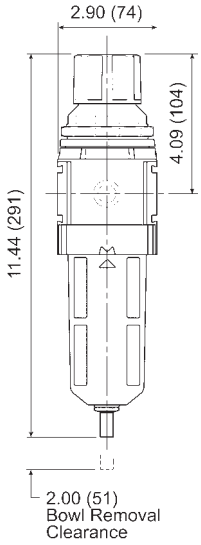
See pages 324-328 for accessories.

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

Wilkerson® FRLs

B28-Series Standard Filters/Regulators

with transparent bowl



Features

- **5-125 PSIG** adjusting range for transparent bowl with guard
- **10-250 PSIG** adjusting range for metal bowl with sight glass
- 5 micron element
- 2.87 oz. bowl
- Self-relieving standard
- Spring-loaded diaphragm
- To increase regulated pressure, pull adjusting knob and turn clockwise; to reduce pressure, turn knob counterclockwise, 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**)

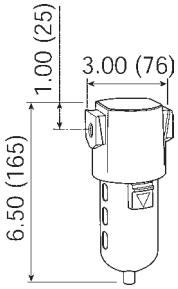
Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
3/8"	200	B28-03AG	B28-03MG	B28-03AGMB	B28-03MGMB
1/2"	200	B28-04AG	B28-04MG	B28-04AGMB	B28-04MGMB
3/4"	235	B28-06AG	B28-06MG	B28-06AGMB	B28-06MGMB

NOTE: See pages 324-328 for accessories.
SCFM ratings at 145 PSIG inlet pressure.

L16-Series EconOmist® Compact Lubricators

Designed so that all the oil flow observed in the sight dome is broken into a mist and delivered via the airflow to the application. The oil in the bowl can be filled or replenished without interrupting airflow or bleeding pressure from the system. Once the oil-fill cap is removed, the bowl is depressurized and isolated from line pressure, and the bowl itself can then be removed for faster refill, if desired. The bowl can be filled right to the top.

transparent bowl with guard



Features

- 5 oz. bowl
- Full view sight dome
- Fill under pressure design

Specifications

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

Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
1/4"	36.1	L16-02A	L16-02AMB
3/8"	58.5	L16-03A	L16-03AMB
1/2"	64.0	L16-04A	L16-04AMB

NOTE: SCFM ratings at **150 PSIG** inlet pressure.
See pages 324-328 for accessories.
See page 277 for air tool lubricant.
FRLs are designed for air service only, unless otherwise indicated.

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.

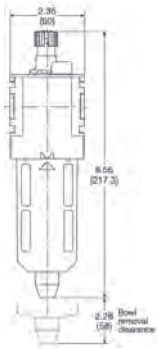
Type of oil to use

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 273 for air tool lubricants.

F

L18-Series EconOmist® Compact Lubricators

with metal bowl



Features

- 4 oz. bowl
- Manual drain
- High flow capacity
- Can be filled under pressure
- To adjust and set oil delivery rate the unit must be pressurized and air must be flowing through the unit. Turn the sight dome, located on the top of the unit, counterclockwise to initiate oil delivery. The rate of oil delivery depends on air flow rate. If flow increases or decreases, the oil delivery rate will increase or decrease proportionally. Turning the sight dome clockwise will stop all oil delivery

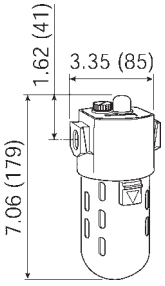
Specifications

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

Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
1/4"	88	L18-02A	L18-02AMB
3/8"	90	L18-03A	L18-03AMB
1/2"	96	L18-04A	L18-04AMB

L26-Series EconOmist® Standard Lubricators

with metal bowl



Features

- 10 oz. bowl
- Adjustable oil feed
- Can be filled under pressure
- Quick-disconnect metal bowl guard with integral safety latch
- Siphon tube filter provides clean lubricant downstream
- The rate of oil delivery may be controlled by turning the adjusting screw counterclockwise 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

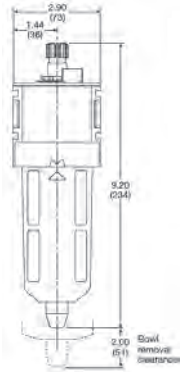
[1] Metal bowl has sight gauge with brass petcock drain

NOTE: SCFM ratings at **150 PSIG** inlet pressure.
See pages 324-328 for accessories.
See page 277 for air tool lubricant.
FRLs are designed for air service only, unless otherwise indicated.

Wilkerson® FRLs

L28 EconOmist® Standard Lubricators

with metal bowl



Features
- 6 oz. bowl
- Manual drain
- High flow capacity
- Can be filled under pressure
- To adjust and set oil delivery rate the unit must be pressurized and air must be flowing through the unit. Turn the sight dome, located on the top of the unit, counterclockwise to initiate oil delivery. If flow increases or decreases, the oil delivery rate will increase or decrease proportionally. Turning the sight dome clockwise will stop all oil delivery

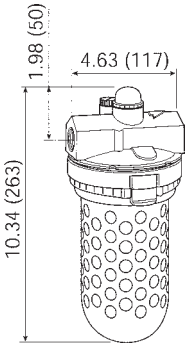
Specifications
- Maximum operating conditions:
  - transparent bowl: **150 PSIG** (**10.3 bar**) and **14°F** to **125°F** (**-10°C** to **52°C**)
  - metal bowl: **250 PSIG** (**17.2 bar**) and **14°F** to **150°F** (**-10°C** to **65.5°C**)

Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
3/8"	110	L28-03A	L28-03AMB
1/2"	110	L28-04A	L28-04AMB
3/4"	150	L28-06A	L28-06AMB

NOTE: SCFM ratings at **150 PSIG** inlet pressure.

L30 EconOmist® Standard Lubricators

with metal bowl



Features
- 26 oz. bowl
- Transparent bowl: no drain
  metal bowl: manual brass petcock drain
- Can be filled under pressure
- The rate of oil delivery may be controlled by turning the adjusting screw counterclockwise for more and clockwise for less oil delivery. The oil delivery rate will change automatically to deliver more oil during higher air flows and less oil for air flows lower than the one at which the setting was made

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

Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
3/4"	196	L30-06A	L30-06AMB
1"	374	L30-08A	L30-08AMB

NOTE: SCFM ratings at **120 PSIG** inlet pressure.

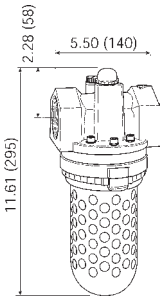
NOTE: SCFM ratings at **150 PSIG** inlet pressure.
See pages 324-328 for accessories.
See page 277 for air tool lubricant.
FRLs are designed for air service only, unless otherwise indicated.

F

Wilkerson® FRLs

L40-Series EconOmist® Standard Lubricators

transparent bowl with guard



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 counterclockwise for more and clockwise for less oil delivery. The oil delivery rate will change automatically to deliver more oil during higher air flows and less oil for air flows lower than the one at which the setting was made

Specifications

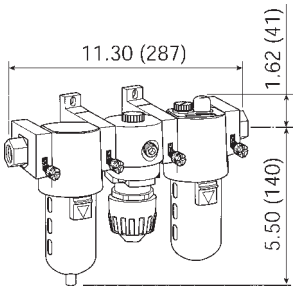
- Maximum operating conditions:
  - transparent bowl: **150 PSIG** (**10.3 bar**) and **32°F** to **125°F** (**0°C** to **52°C**)
  - metal bowl: **200 PSIG** (**13.8 bar**) and **32°F** to **150°F** (**0°C** to **66°C**)

Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl with Sight Glass Part #
1-1/2"	927	L40-0BA	L40-0BAMB

NOTE: See pages 324-328 for accessories.
See page 277 for air tool lubricant.
FRLs are designed for air service only, unless otherwise indicated.
SCFM ratings at **120 PSIG** inlet pressure.

C16-Series Compact Combination Units

transparent bowl with guard



Features

- Included components:
  - (2) modular sleeves
  - (2) mounting brackets (sleeve and bracket)
  - (2) end blocks

Filter series F16:

- 5 micron element
- 2.7 oz. bowl

Regulator series R16:

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

Lubricator series L16:

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

Specifications

- Maximum operating conditions:
  - transparent bowl: **150 PSIG** (**10.3 bar**) and **32°F** to **125°F** (**0°C** to **52°C**)
  - metal bowl: **200 PSIG** (**13.8 bar**) and **32°F** to **175°F** (**0°C** to **80°C**)

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	36.1	C16-02A	C16-02M	C16-02AMB	C16-02MMB
3/8"	58.5	C16-03A	C16-03M	---	C16-03MMB
1/2"	64.0	C16-04A	C16-04M	C16-04AMB	C16-04MMB

NOTE: SCFM ratings at **150 PSIG** inlet pressure.
FRLs are designed for air service only, unless otherwise indicated.

Wilkerson® FRLs

C18-Series Compact Combination Units

Features

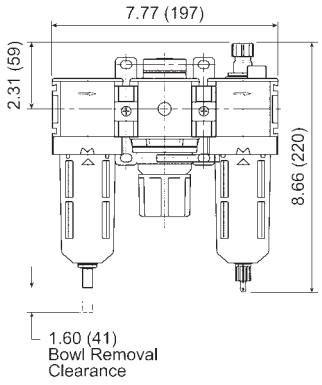
- Included components:
  - (2) end blocks
  - (2) mounting brackets with joiner set and port O-ring

Filter series F18:
- 5 micron element
- 1.72 oz. bowl

Regulator series R18:
- **0-125 PSI** adjusting range
- Self-relieving
- Supplied with a GC230 gauge

Lubricator series L18:
- 4 oz. bowl
- Adjustable oil feed
- Full view sight dome

with metal bowl



Specifications

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

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	110	C18-02A	C18-02M	C18-02AMB	C18-02MMB
3/8"	160	C18-03A	C18-03M	C18-03AMB	C18-03MMB
1/2"	160	C18-04A	C18-04M	C18-04AMB	C18-04MMB

C26-Series Standard Combination Units

Features

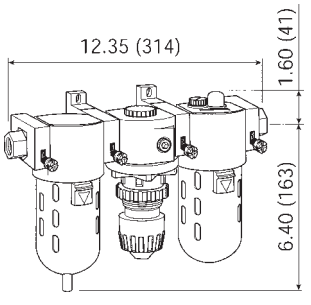
- Included components:
  - (2) modular sleeves
  - (2) mounting brackets (sleeve and bracket)
  - (2) end blocks

Filter series F26:
- 5 micron element
- 3.2 oz. bowl

Regulator series R26:
- **0-125 PSI** adjusting range
- Self-relieving
- Supplied with a GC230 gauge

Lubricator series L26:
- 10 oz. bowl
- Adjustable oil feed
- Full view sight dome

with metal bowl



Specifications

- Maximum operating conditions:
  - transparent bowl: **150 PSIG** (**10.3 bar**) and **32°F** to **125°F** (**0°C** to **52°C**)
  - metal bowl: **200 PSIG** (**13.8 bar**) and **32°F** to **175°F** (**0°C** to **80°C**)

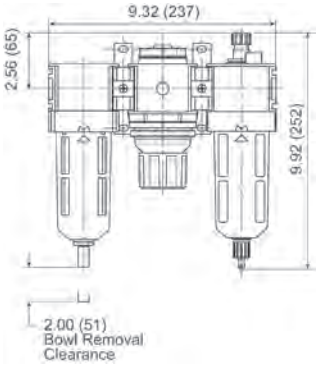
Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
3/8"	60	C26-03A	C26-03M	C26-03AMB	C26-03MMB
1/2"	128	C26-04A	C26-04M	C26-04AMB	C26-04MMB

NOTE: SCFM ratings at **150 PSIG** inlet pressure.
FRLs are designed for air service only, unless otherwise indicated.

Wilkerson® FRLs

C28-Series Standard Combination Units

with metal bowl



Features

- Modern design and appearance
- Quick disconnect bowl/bowl guard
- Included components:
  - (2) end blocks
  - (2) mounting brackets with joiner set and port O-ring

Filter series F28:

- 5 micron element
- 2.87 oz. bowl

Regulator series R28:

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

Lubricator series L28:

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

Specifications

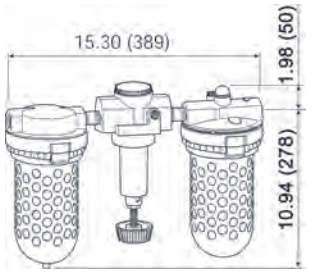
- Maximum operating conditions:
  - transparent bowl: **150 PSIG** (**10.3 bar**) and **-13°F** to **125°F** (**-25°C** to **52°C**)
  - metal bowl: **250 PSIG** (**17.2 bar**) and **-13°F** to **150°F** (**-25°C** to **66°C**)

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
3/8"	90	C28-03A	C28-03M	C28-03AMB	C28-03MMB
1/2"	90	C28-04A	C28-04M	C28-04AMB	C28-04MMB
3/4"	110	C28-06A	C28-06M	C28-06AMB	C28-06MMB

NOTE: SCFM ratings given at **145 PSIG** inlet pressure.

C31-Series Jumbo Combination Units

with metal bowl



Features

- High flow capacity
- Large bowl reservoir
- Included components:
  - (2) brass hex nipples

Filter series F30:

- 5 micron element
- 2 oz. bowl

Regulator series R30:

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

Lubricator series L30:

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

Specifications

- Maximum operating conditions:
  - transparent bowl: **150 PSIG** (**10.3 bar**) and **32°F** to **125°F** (**0°C** to **52°C**)
  - metal bowl: **200 PSIG** (**13.8 bar**) and **32°F** to **175°F** (**0°C** to **80°C**)

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
3/4"	374	C31-06A	C31-06M	C31-06AMB	C31-06MMB
1"	374	C31-08A	C31-08M	C31-08AMB	C31-08MMB

NOTE: SCFM ratings at **120 PSIG** inlet pressure.
FRLs are designed for air service only, unless otherwise indicated.

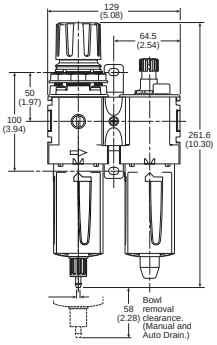
Wilkerson® FRLs

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

with transparent bowl and guard



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

Size	Flow (SCFM)	Transparent Bowl and Guard	Metal Bowl/Sight Gauge
		Manual Drain Part #	Manual Drain Part #
1/2"	90	D18-04M	D18-04MMB

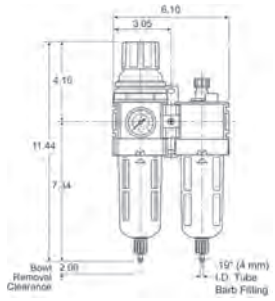
NOTE: SCFM ratings at **145 PSIG** inlet pressure.

D28-Series Combination Units

Features
- Light weight, ready-to-mount assembly comes standard with pressure gauge and modular T-bracket/joiner assembly
- Components integrated into single unit
- Modern design and appearance
- Quick disconnect bowl/bowl guard
- 5 micron element
- 6 oz. bowl/lubricator

Regulator:
- **0-125 PSI** adjusting range
- Self-relieving
- Supplied with gauge
- 2.87 oz. bowl/filter

with metal bowl



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

Size	Flow (SCFM)	Metal Bowl/Sight Gauge
		Manual Drain Part #
1/2"	110	D28-04MMB
3/4"	150	D28-06MMB

NOTE: SCFM ratings at **145 PSIG** inlet pressure.
FRLs are designed for air service only, unless otherwise indicated.

F

Wilkerson® FRLs

C31-Series Combination Unit with Protective Frame

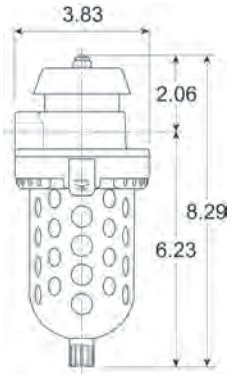
Application
- Provides downstream air preparation with protection and convenience

Features
- Include components:
  -C31-08AMB 1" FRL with metal bowls and auto drain filter
  -BBLV100 1" brass ball valve and AM12 Air King® on inlet port
  -LFV100DTW 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** (**17.2 bar**)
- Temperature range: **40°F** to **150°F (4°C** to **66°C)**
- Flow: 320 SCFM

Size	Part #
1"	C31-08FRAME

F23-Series Exhaust Muffler



Features
- The contaminants in the exhaust flow are mechanically separated and twice filtered to 5 micron levels, the clean, muffled exhaust flows out of the unit under the metal hood on top
- Removes oily aerosols from exhaust flows
- One inlet port
- 5 micron element
- Quick disconnect clamp ring for easy bowl removal
- Manual drain

Specifications
- Operating:
- Maximum pressure: **150 PSIG** (**10.3 bar**)
- Temperature range: **32°F** to **125°F (0°C** to **52°C)**

Size	Flow at 90 PSI	Transparent Bowl with Guard Part #
1/2"	240 SCFM	F23-04M

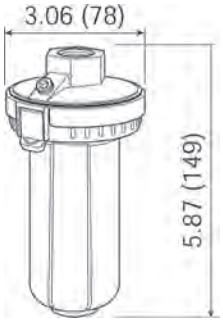
NOTE: FRLs are designed for air service only, unless otherwise indicated.

Wilkerson® FRLs

X02-Series Automatic Drains

As liquid contaminants collect in the bowl, they raise a closed-cell cellular float. When the liquid level reaches a given point, the float triggers a mechanism which pilots line pressure against a large area piston or diaphragm which snaps open the drain valve. The contaminants are discharged from the drain orifice at line pressure. As the liquid level falls, the pilot valve closes, line pressure against the piston/diaphragm returns to atmosphere and the drain valve snaps closed.

with metal bowl



Features
- 5 oz. bowl
- Fully automatic, float operated
- Full 1/2" NPT drain inlet
- Quick-disconnect clamp ring for easy bowl removal when servicing
- No electrical connections
- Easy installation

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

Size	Transparent Bowl Part #	Metal Bowl Part #
1/2"	X02-04	X02-04MB

Lockout Valves

Application
- Lockout valves are installed in pneumatic drop legs or individual pneumatic control lines, in accordance with OSHA procedures; lockout valves are used during maintenance and service procedures of pneumatically (air) operated equipment

Features
- Used to comply with OSHA 29 CFR part 1910
- Built in port for pressure verification to meet ANSI B11 and Pmm155 requirements
- Inline or surface mountable
- Yellow cast aluminum body with red handle

Specifications
- Pressure range: **15-300 PSI**
- Temperature range: **40°F** to **175°F** (**4°C** to **79°C**)

Port In/Out	Port Exhaust	Part #
1/2"	3/4"	LV4N6D
3/4"	3/4"	LV6N6D
3/4"	1-1/4"	LV6NAD
1"	1-1/4"	LV8NAD

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

Wilkerson® FRLs

Filter Elements

FRP-95-115

Used On	Description	Part #
F03, C03	5 micron element	PS403
B08, C08, 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

F

Coalescing Filter Elements

MTP-95-548

Used On	Description	Part #
M16, M26, M30	type B element (0.5 micron)	MSP-95-989
M16	type C element (0.01 micron)	MTP-95-548
M26	type C element (0.01 micron)	MTP-95-549
M30	type C element (0.01 micron)	MTP-95-551
M35	type C element (0.01 micron)	MTP-95-502

Desiccant Dryer Gel Refill

Used On	Description	Part #
X03	2 bags of silica gel refill	DRP-14-10B/002

Filter Bowls with Drain

FRP-95-015

Used On	Description	Part #
F08, C08, B08	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 #
B18, CB6, F16, F18, F26, F28, F30, F35, M16, M26, M30, M32, M35	automatic drain with fluorocarbon 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

DP2-01-000

Ring Style Tamper Resistant Kits

Used On	Description	Part #
C08, B08, 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
R26	self-relieving repair kit	RRP-95-952

Lubricator Bowls and Bowl Guards

GRP-95-019

Used On	Description	Part #
C08, 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 #
C08, L08, L16, L26	sight dome kit: dome and O-ring	LRP-95-239
C08, L08	fill plug kit: fill plug and O-ring	LRP-96-730
L16, L26, L30	fill plug kit: fill plug and O-ring	LRP-95-253
L18, L28	sight dome assembly (new style)	LRP-96-310
L30, L40, L50	sight dome kit: dome and O-ring	LRP-95-249
L40, L50	fill plug kit: fill plug and O-ring	LRP-95-250

Modular Shut-Off Valves

Application

- Useful for isolating and depressurizing a downstream unit requiring maintenance or replacement

GPA-95-098

Features

- Can be installed immediately upstream of a single unit or combination of units
- Secure to the unit with a modular sleeve or modular sleeve wall mounting bracket
- Ball-type valve operates with a 1/4 turn from open to shut position
- Can be locked in the open position
- Left-to-right flow

Used On	Description	Part #
F16, F26, R16, B26, L16, L26	1/4" NPT safety shut-off valve	GPA-95-096
	3/8" NPT safety shut-off valve	GPA-95-097
	1/2" NPT safety shut-off valve	GPA-95-098

Wilkerson® FRLs

Modular Blocks

Features

Manifold Block

- Flexible installation can be installed after the filter or regulator, providing three additional 1/4" NPT tapped auxiliary ports
- 1/2" inlet/outlet ports non-tapped
- 1-17/32" width

End Block

- When used with the modular sleeve, end blocks allow a single unit or a combination of units to be piped into the air system in the modular mode
- Allows ease of unit servicing or replacement without disturbing the air line connections

GPA-95-919

GPA-95-223

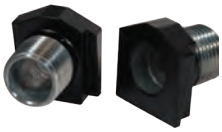
GPA-96-610

Used On	Description	Part #
C16, C26, 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
C18, 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

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



GPA-95-037

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

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 #
C16, C26, 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

GPA-95-969

Used On	Description	Part #
C16, C26, F16, F26, R16, R26, L16, L26	bracket	GPA-95-968
	sleeve and bracket	GPA-95-969

F

Wilkerson® FRLs

Mounting Brackets and Joiner Sets

GPA-96-737

Used On Filter/ Regulator/ Lubricator Series	Description	Part #
BB3, RB3	mounting bracket (type L) and nut	GRP-95-747
F03	mounting bracket	PS417B
B08, C08, F08, R08	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
B08, 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 1/4" NPT gauge port adapter	RRP-95-590
F18	body mounting bracket (type L)	GPA-96-604
	bonnet mounting bracket (type L)	GPA-96-606
C18, C28, 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

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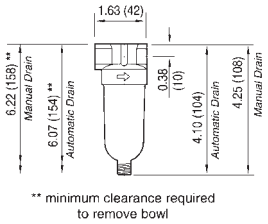
Series 1 FRLs

F07-Series Carded Miniature Filters



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

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

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

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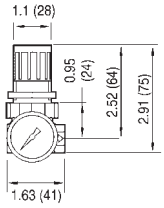
R07-Series Carded Miniature Regulator

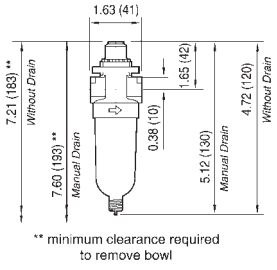


Features
- Relieving type
- Supplied with a GC620 gauge

Specifications
- Inlet pressure **250 PSI** maximum
- Maximum temperature: **150°F (66°C)**
- Pressure range **5-100 PSI**

Port Size	Flow (SCFM)	with Gauge Part #
1/4"	15	R07-200RGC

L07-Series Carded Miniature Lubricator

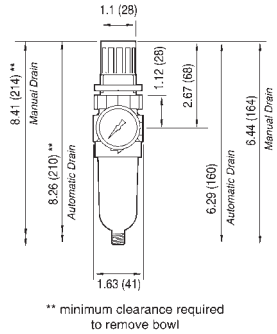


Feature
- 1 oz. reservoir

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

Port Size	Flow (SCFM)	with Transparent Bowl Part #
1/4"	14	L07-200AC

B07-Series Carded Miniature Filter/Regulators



Features
- Relieving type
- 5 micron element
- 1 oz. reservoir
- Push-to-lock adjusting knob
- Supplied with a GC620 gauge
- Bowl guard not available
- Transparent bowl

Specifications
- Pressure range **5-100 PSI**
- Inlet pressure **150 PSI** maximum
- Maximum temperature: **125°F (52°C)**

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	14	B07-202AGC	B07-202MGC

NOTE: FRLs are designed for air service only, unless otherwise indicated.
SCFM ratings given at **150 PSIG** inlet pressure.
SCFM ratings given at **100 PSIG** inlet pressure for regulators, 90 PSIG all others.

Series 1 FRLs

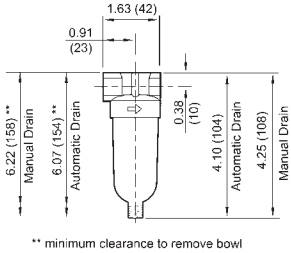
F07-Series Miniature Filters

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.



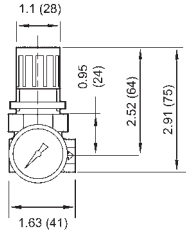
R07-Series Miniature Regulators

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

Specifications
- Inlet pressure **300 PSI** max.
- Maximum temperature: **150°F (66°C)**
- Regulation at flows up to 22 SCFM at 100 PSIG
- Pressure range **5-100 PSI**

Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
1/8"	14	R07-100RG	R07-100R
1/4"	15	R07-200RG	R07-200R

NOTE: SCFM ratings given at **100 PSIG** inlet pressure.



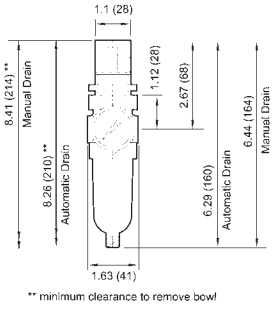
B07-Series Miniature Filter/Regulators

Features
- Relieving type
- 5 micron element
- 1 oz. reservoir
- Push-to-lock adjusting knob
- Supplied with a GC620 gauge
- Bowl guard not available
- Transparent bowl

Specifications
- Inlet pressure **150 PSI** maximum
- Maximum temperature: **125°F (52°C)**
- Pressure range **5-100 PSI**

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/8"	13	B07-102AG	B07-102MG
1/4"	24	B07-202AG	B07-202MG

NOTE: SCFM ratings given at **150 PSIG** inlet pressure.

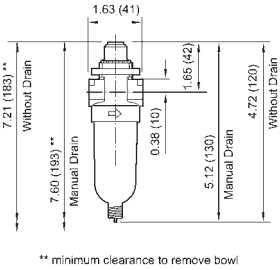


L07-Series Miniature Lubricators

Feature
- 1 oz. reservoir

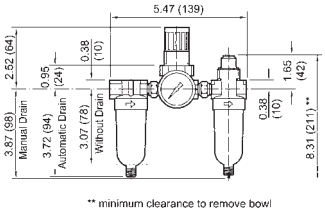
Specifications
- Inlet pressure **150 PSI** maximum
- Maximum temperature: **125°F (52°C)**

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



Series 1 FRLs

P1A-Series Miniature Combination Units



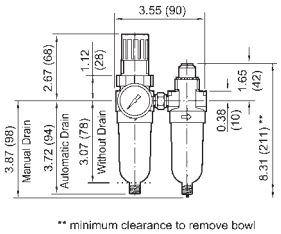
Features
- 1 oz. reservoir
- Supplied with a GC620 gauge
- Transparent bowl

Specifications
- Inlet pressure **150 PSI** maximum
- Maximum temperature: **125°F (52°C)**
- Pressure range: **5-125 PSI**

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

F

PTH-Series Miniature Combination Units

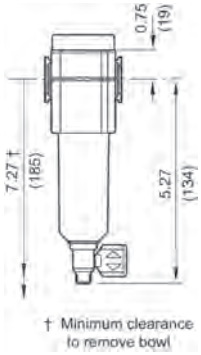


Features
- Transparent bowl
- Requires only two pipe connections

Specifications
- Inlet pressure **150 PSI** maximum
- Maximum temperature: **125°F (52°C)**
- Pressure range: **5-125 PSI**

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

F72-Series Sub-Compact Airline Filters



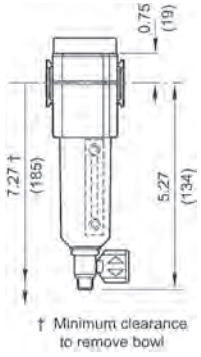
Features
- Particle removal per ISO 8573-1, Class 5, and Class 3
- 40 micron element
- 2 oz. reservoir
- Quick-release bayonet bowl
- Prismatic lens liquid level indicator

Specifications
- Inlet pressure:
  - transparent bowl: max pressure **150 PSIG (10 bar)** and temperature range **-30°F** to **125°F (-34°C** to **50°C)**
  - metal bowl: max pressure **150 PSIG (10 bar)** and temperature range **-30°F** to **150°F (-34°C** to **66°C)**

with transparent bowl

Transparent Bowl

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



with metal bowl

Metal Bowl and Sight Glass

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

NOTE: SCFM ratings at **100 PSIG** inlet pressure for regulators, **90 PSIG** all others. FRLs are designed for air service only, unless otherwise indicated.

Series 1 FRLs

F73-Series Compact Airline Filters

with transparent bowl

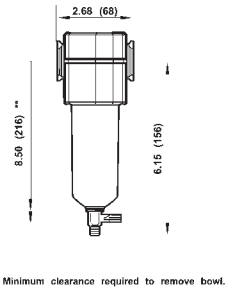
with metal bowl

Features

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

Specifications

- Inlet pressure:
  - transparent bowl: max pressure **150 PSIG (10 bar)** and temperature range **-30°F** to **125°F (-34°C** to **50°C)**
  - metal bowl: max pressure **250 PSIG (17 bar)** and temperature range **-30°F** to **150°F (-34°C** to **66°C)**



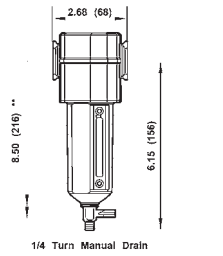
** Minimum clearance required to remove bowl.

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



** Minimum clearance required to remove bowl.

F74-Series Standard Airline Filters

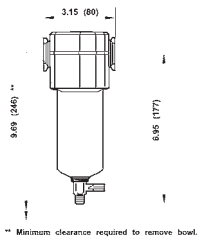
with transparent bowl

Features

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

Specifications

- Inlet pressure:
  - transparent bowl: max pressure **150 PSIG (10 bar)** and temperature range **-30°F** to **125°F (-34°C** to **50°C)**
  - metal bowl: max pressure **250 PSIG (17 bar)** and temperature range **-30°F** to **150°F (-34°C** to **66°C)**



** Minimum clearance required to remove bowl.

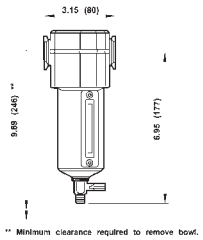
Transparent Bowl and Guard

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 metal bowl

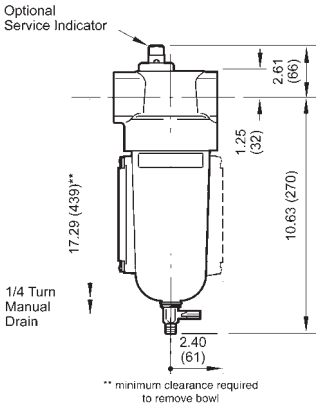


** Minimum clearance required to remove bowl.

NOTE: See pages 346-348 for accessories.
FRLs are designed for air service only, unless otherwise indicated.
SCFM ratings at **90 PSIG** inlet pressure.

Series 1 FRLs

F17, F18-Series Jumbo Airline Filters



Features

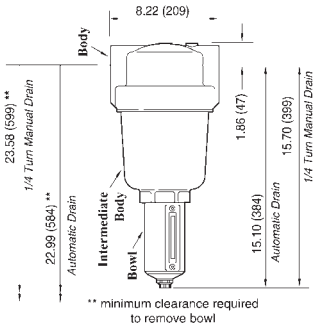
- General purpose with low pressure drop and excellent water removal characteristics
- 40 micron element
- 1 qt. reservoir

Specifications

- Inlet pressure:
  - metal bowl: max pressure **250 PSIG (17.2 bar)** and temperature range **-30°F** to **175°F (-34°C** to **80°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

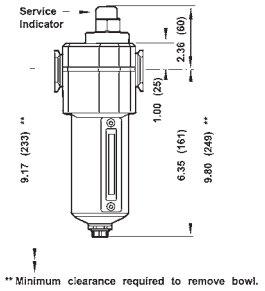
Specifications

- Inlet pressure: max pressure **250 PSIG (17.2 bar)** and temperature range **-30°F** to **175°F (-34°C** to **80°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 PSIG (17.2 bar)** and temperature range **-30°F** to **150°F (-34°C** to **65°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 346-348 for accessories.
FRLs are designed for air service only, unless otherwise indicated.
SCFM ratings at **90 PSIG** inlet pressure.

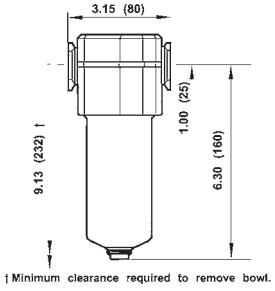
F

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: max pressure **250 PSIG (17.2 bar)** and temperature range **-30°F** to **150°F (-34°C to 65°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.

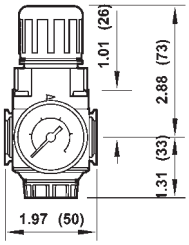
Value Proposition

1916 DIXON 2026
110 YEARS OF UNCOMMON EXCELLENCE®

Dixon is committed to **delighting our customers** by being the easiest company they do business with every day.

Series 1 FRLs

R72-Series Sub-Compact Regulators

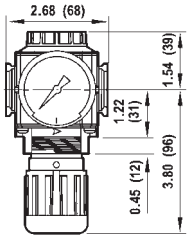


Features
- In-line or modular installation
- Two full flow 1/8" NPT gauge ports
- RG models supplied with GC620 gauge

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

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: **175°F (80°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 346-348 for accessories.

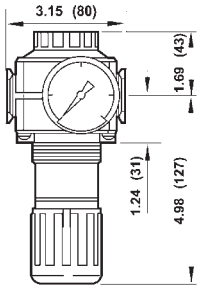
F

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: **175°F (80°C)**
- To order **0-60 PSI** range consult Dixon®

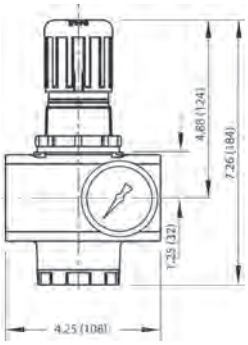


Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
3/8"	208	R74G-3RG	R74G-3R
1/2"	220	R74G-4RG	R74G-4R
3/4"	220	R74G-6RG	R74G-6R

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)**

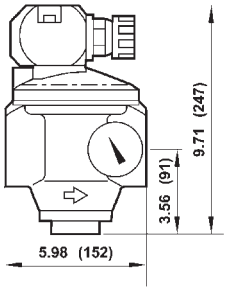


Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
3/4"	440	R17-600RG	R17-600R
1"	480	R17-800RG	R17-800R
1-1/4"	400	R17-A00RG	R17-A00R
1-1/2"	440	R17-B00RG	R17-B00R

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

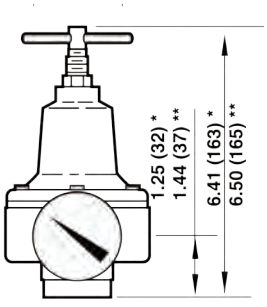
NOTE: SCFM ratings given at **100 PSIG** inlet pressure

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°)**



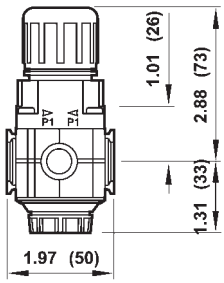
Port Size	Flow (SCFM)	with Gauge Part #
1/4"	110	R11-013RG
3/8"	110	R11-037RG
1/2"	260	R11-061RG

NOTE: SCFM ratings given at **150 PSIG** inlet pressure
FRLs are designed for air service only, unless otherwise indicated.
See pages 346-348 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

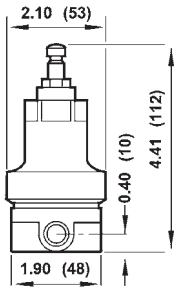
Specifications
- Pressure range: **5-150 PSI**
- Inlet pressure: **300 PSI**
- Maximum temperature: **150°F (66°C)**

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**.

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

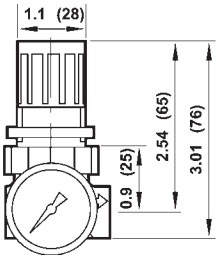
Specifications
- Pressure range: **5-125 PSI**
- Inlet pressure: **3,000 PSI**
- Maximum temperature: **140°F (60°C)**

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 **5-125 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 346-348 for accessories.

F

F

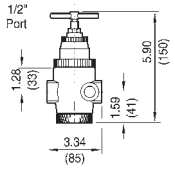
Series 1 FRLs

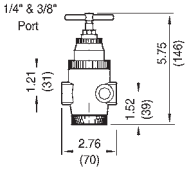
R43-Series Water Pressure Regulators

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

Features
- T-handle adjustment
- Brass body and aluminum bonnet
- Non-relieving type
- Gauge port is full-flow and can be used as an outlet port
- Supplied with GC230 gauge

Specifications
- Pressure range: **5-125 PSI**
- Inlet pressure: **400 PSI**
- Temperature range:
  - water service: **35°** to **200°F (2°C to 93°C)**
  - air service: **-30°** to **200°F (-34°C to 93°C)**





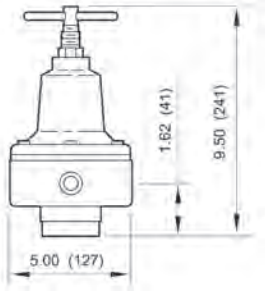
Port Size	Flow (GPM)	with Gauge Part #
1/4"	**5**	R43-201RG
3/8"	**5**	R43-301RG
1/2"	**10**	R43-406RG

11-009-Series Water Regulators

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

Features
- T-handle adjustment
- Non-relieving type
- Body, valve, and bottom plug are brass; bonnet is aluminum and steel
- Elastomers are nitrile

Specifications
- Inlet pressure: **400 PSI**
- Temperature range:
  - water service: **35°** to **200°F (2°** to **93°C)**
  - air service: **-30°** to **200°F (-34°** to **93°C)**
- Pressure range: **5-125 PSIG**



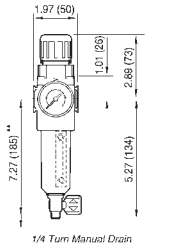
Port Size	Flow (GPM)	without Gauge Part #
3/4"	**27.5**	11-009-065
1"	**27.5**	11-009-081

B72-Series Sub-Compact Filter/Regulators

with transparent bowl

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

Specifications
- Pressure range: **5-150 PSI**
- Inlet pressure:
  - transparent bowl: max pressure **150 PSIG (10 bar)** and temperature range **-30°F** to **125°F (-34°C** to **50°C)**
  - metal bowl: max pressure **250 PSIG (17 bar** and temperature range **-30°F** to **150°F (-34°C** to **66°C)**



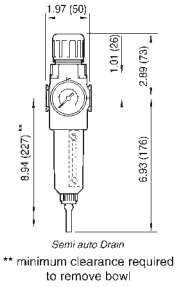
Transparent Bowl

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

with metal bowl

Metal Bowl and Sight Glass

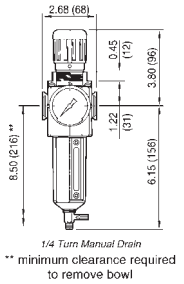
Port Size	Flow (SCFM)	Semi-Automatic Drain Part #	Manual Drain Part #
1/4"	80	B72G-2AG-MB	B72G-2MG-MB
3/8"		B72G-3AG-MB	B72G-3MG-MB

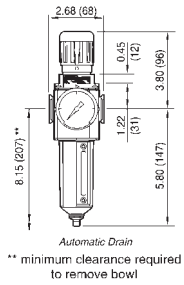


NOTE: SCFM ratings given at **150 PSIG** inlet pressure
FRLs are designed for air service only, unless otherwise indicated.
See pages 346-348 for accessories.

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

Specifications

- Pressure range: **5-150 PSI**
- Inlet pressure:
  - transparent bowl: max pressure **150 PSIG (10 bar)** and temperature range **-30°F** to **125°F (-34°C** to **50°C)**
  - metal bowl: max pressure **250 PSIG (17.2 bar)** and temperature range **-30°F** to **175°F (-34°C** to **80°C)**

with transparent bowl

with metal bowl

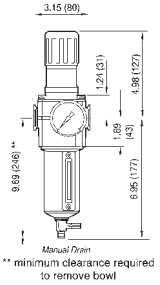
Transparent Bowl

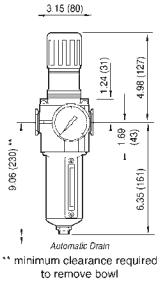
Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	78	B73G-2AG	B73G-2MG
3/8"	123	B73G-3AG	B73G-3MG
1/2"	123	B73G-4AG	B73G-4MG

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: max pressure **150 PSIG (10 bar)** and termperature range **-30°F** to **125°F (-34°C** to **50°C)**
  - metal bowl: max pressure **250 PSIG (17.2 bar)** and temperature range **-30°F** to **175°F (-34°C** to **80°C)**

with guard

with metal bowl

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 346-348 for accessories.

F

Series 1 FRLs

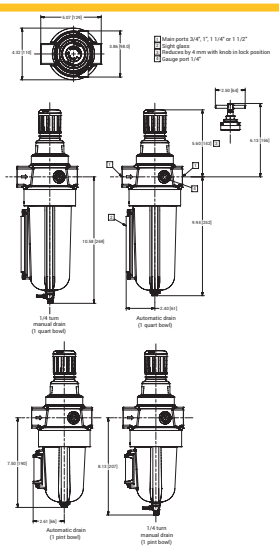
B17-Series Filter/Regulator

Automatic

Features
- 5 micron
- 1 qt. reservoir
- Supplied with gauge

Specification
- Adjusting pressure range **5-125 PSI**
- Max pressure **250 PSIG (17.2 bar)** and temperature range **-30°F** to **175°F (-34C** to **80C)**

Port Size	Flow (SCFM)	Automatic Part #	Manual Part #
1"	650	B17-08AGMB	B17-08MGMB



L72-Series Sub-Compact Micro-Fog Lubricators

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
- 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

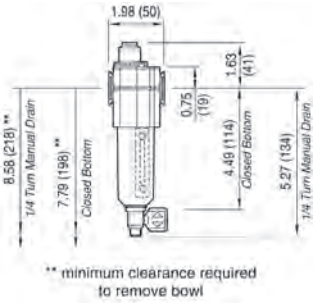
with transparent bowl

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: max pressure **150 PSIG (10 bar)** and temperature range **-30°F** to **125°F (-34°C** to **51°C)**
  - metal bowl: max pressure **250 PSIG (17.2 bar)** and temperature range **-30°F** to **150°F (-34°C** to **66°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

with transparent bowl

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

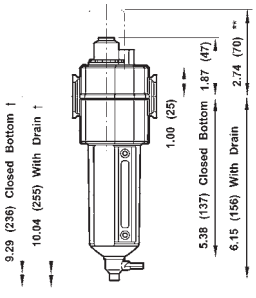
Specifications
- Recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at **100°F (38°C)**
- Maximum operating conditions:
  - transparent bowl: max pressure **150 PSIG (10.3 bar)** and temperature range **-30°F** to **125°F (-34°C** to **51°C)**
  - metal bowl: max pressure **250 PSIG (17.2 bar)** and temperature range **-30°F** to **175°F (-34°C** to **80°C)**

Port Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
1/4"	60	L73M-2	L73M-2MB
3/8"	60	L73M-3	L73M-3MB
1/2"	60	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 346-348 for accessories.



Series 1 FRLs

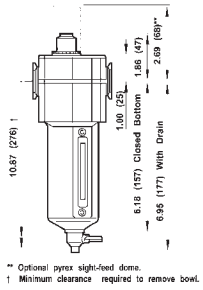
Applications

- 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, where it is introduced into the fog generator and atomized into a fine mist. Lighter particles are carried downstream for lubrication, while heavier particles return to 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

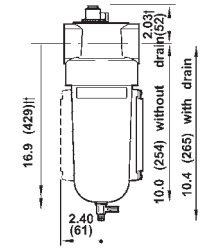
- Recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at **100°F (38°C)**
- Maximum operating conditions:
  - transparent bowl: max pressure **150 PSIG (10 .3bar)** and temperature range **-30°F** to **125°F (-34°C** to **51°C)**
  - metal bowl: max pressure **250 PSIG (17.2 bar)** and temperature range **-30°F** to **175°F (-34°** to **80°C)**

transparent 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

NOTE: SCFM ratings given at **90 PSIG** inlet pressure.

L17-Series Jumbo Micro-Fog Lubricators



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

Features

- 1 qt. reservoir
- Oil level sight gauge
- One turn threaded bowl attachment permits easy maintenance

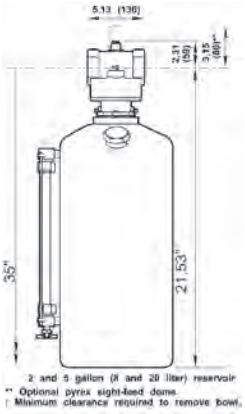
Specifications

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

Port Size	Flow (SCFM)	Metal Bowl with Sight Glass Part #
3/4"	160	L17-600A
1"	275	L17-800A
1-1/4"	275	L17-A00A
1-1/2"	275	L17-B00A

NOTE: SCFM ratings given at 90 PSIG inlet pressure.

10-076-Series Jumbo General Purpose Oil-Fog Lubricators



Features

- 2 gallon reservoir
- Oil flow can be positively set
- Reservoir is ASME constructed
- Oil level sight gauge

Specifications

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

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 346-348 for accessories.
See page 277 for air tool lubricant.
FRLs are designed for air service only, unless otherwise indicated.

F

F

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

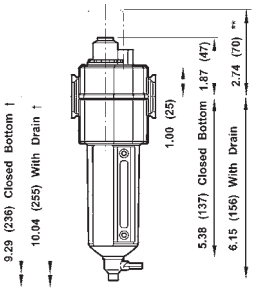
L73-Series Compact

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

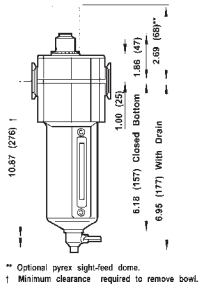
L74-Series Standard

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

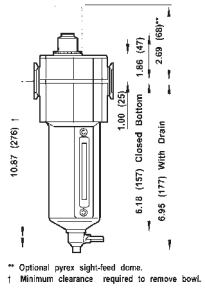
NOTE: SCFM ratings given at **90 PSIG** inlet pressure.
See pages 346-348 for accessories.
See page 277 for air tool lubricant.
FRLs are designed for air service only, unless otherwise indicated.

Series 1 FRLs

L74-Series Standard Oil-Fog Lubricators

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

Features
- All the oil visible dropping through the transparent sight-feed dome goes to the airstream
- L72C, L73C, and L74C OIL-FOG lubricators can be filled under pressure
- In-line or modular installation
- Quick-release bayonet bowl
- Can be filled under pressure
- 7 oz. reservoir



metal bowl

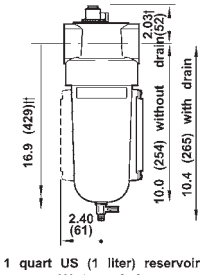
Specifications
- Maximum operating conditions:
  - transparent bowl: max pressure **150 PSIG** (**10.3 bar**) and temperature range **-30°F** to **125°F (-34°C** to **51°C)**
  - metal bowl: max pressure **250 PSIG** (**17.2 bar**) and temperature range **-30°F** to **175°F (-34°C** to **80°C)**
- Recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at **100°F (37°C)**

Port Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
3/8"	118	L74C-3	L74C-3MB
1/2"	192	L74C-4	L74C-4MB
3/4"	186	L74C-6	L74C-6MB

L17-Series Jumbo Oil-Fog Lubricators

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

Features
- 1 qt. reservoir
- Oil level sight gauge
- All the oil visible dropping through the transparent sight-feed dome goes to the airstream
- One-turn threaded bowl attachment permits easy maintenance



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

metal bowl

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

Port Size	Flow (SCFM)	Metal Bowl with Sight Glass Part #
3/4"	160	L17-600D
1"	275	L17-800D
1-1/2"	275	L17-B00D

NOTE: SCFM ratings given at **90 PSIG** inlet pressure.
See pages 346-348 for accessories.
See page 277 for air tool lubricant.
FRLs are designed for air service only, unless otherwise indicated.

F

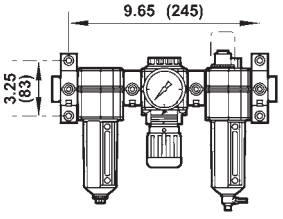
Series 1 FRLs

E73-Series Compact Combination Units

Features
- 4 oz. reservoir
- Supplied with a G230 gauge
- Connected modularly
- Includes (2) clamps and wall mounting brackets # 4314-52, (2) clamps # 4314-51, and (2) NPT pipe adapters #4315-01

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

metal bowls



Transparent Bowl

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	70	E73-2A	E73-2M
3/8"	70	E73-3A	E73-3M
1/2"	70	E73-4A	E73-4M

Metal Bowl

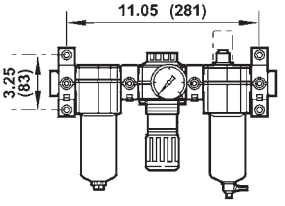
Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/8"	70	E73-3A-MB	E73-3M-MB
1/2"	70	E73-4A-MB	E73-4M-MB

E74-Series Standard Combination Units

Features
- 7 oz. reservoir
- Models supplied with a GC230 gauge
- Connected modularly
- Includes (2) clamps and wall mounting brackets # 4314-52, (2) clamps # 4314-51, and (2) NPT pipe adapters

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

transparent bowl with guard



Transparent Bowl and Guard

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/2"	150	E74-4A	E74-4M
3/4"	140	E74-6A	E74-6M

Metal Bowl and Sight Glass

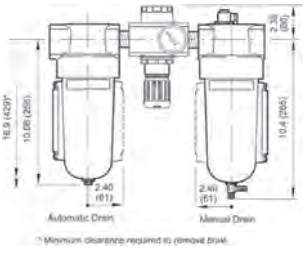
Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/8"	110	E74-3A-MB	E74-3M-MB
1/2"	150	E74-4A-MB	E74-4M-MB
3/4"	140	E74-6A-MB	E74-6M-MB

P8A Jumbo Combination Units

Feature
- 1 qt. reservoir

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

with metal bowls



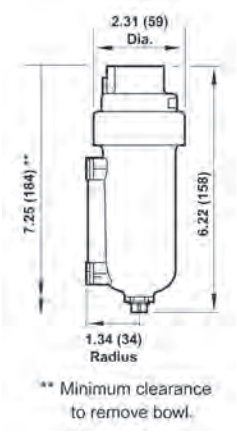
Metal Bowl and Sight Glass

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

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



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
	40 micron bronze	5882-13
F72	5 micron	5925-03
	40 micron	5925-02
F73	5 micron	4438-01
	40 micron	4438-03
F74	5 micron	4338-04
	40 micron	4338-05

5 micron element
5925-03

Filter Bowl/Bowl Guards

Used On	Description	Part #
F07	polycarbonate bowl with auto drain	3646-51
	polycarbonate bowl with manual drain	3646-53
F08	transparent bowl with manual drain	3776-50
F17	metal bowl with petcock drain	5390-77
F72	transparent bowl with manual drain	4266-50RF
	transparent bowl with semi-automatic drain	4266-52RF
F73	transparent bowl with manual drain, 1/4 turn	4425-50RF
	transparent bowl with auto drain	4425-51RF
F74	plastic bowl assembly with guard and 1/4 turn manual drain	4325-51R
	plastic bowl assembly with guard and automatic drain	4325-52R

transparent bowl and guard
4325-51R

Series 1 FRLs Accessories

Filter Drains

auto drain
3000-10

Used On	Description	Part #
F17, F74	auto drain	3000-10
	manual drain	619-50
	manual drain assembly	2796-52
F72, F73	auto drain	4000-51R
	manual drain	619-50

Filter Lens Kits

liquid level lens kit
4380-030

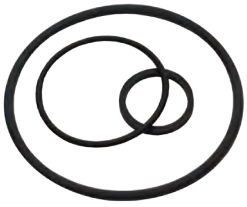
Used On	Description	Part #
F72	liquid level lens kit	4380-020
F73	liquid level lens kit	4380-030
F74	high pressure dome sight glass kit	4380-051

Filter Indicator Conversion Kit

Features
- Allows addition of service life indicator in the field
- For general purpose and oil removal filters

Used On	Description	Part #
F72, F73, F74	service life indicator	5797-50

Filter Service Kit



4380-700

Used On	Description	Part #
F17	O-rings, seals, and gaskets	5578-05
F18		5945-50
F73		4380-600
F74		4380-700

Filter Oil/Vapor Removal Filters

Used On	Description	Part #
F74C	oil removal filter	4344-01
F74H	oil removal filter	4344-02
F74V	vapor removal filter	4341-01

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

Regulator Panel Nuts

Used On	Description	Part #
R07	plastic panel nut	2962-89
R08	plastic panel nut	5191-89
R17	metal panel nut	5226-97
R72	plastic panel nut	4248-89
R73	zinc panel nut	5191-88
R74	zinc panel nut	4348-89

4248-89

Regulator Diaphragm Relieving Kits

Used On	Description	Part #
R07	diaphragm, relieving	3407-02
R08		5298-14
R11		529-03
R17		5578-02
R72		4381-500
R73		4381-600
R74		4381-700

3407-02

4381-700

Series 1 FRLs Accessories

Lubricator Bowl/Bowl Guards

3646-54

Used On	Description	Part #
L07	polycarbonate bowl with manual drain	3646-54
L73	transparent bowl with manual drain	4425-50RL
L74	metal bowl with liquid level indicator and 1/4 turn manual drain	4303-77R
	transparent bowl with manual drain	4325-50R

F

Seal Wire

Feature

- Provides tamper-resistant protection of the lubricator drip rate setting

Used On	Description	Part #
L73, L74	metal wire	2117-01

Domes, Caps, and Plugs

18-011-021

5605-50

Used On	Description	Part #
L08	quick-fill cap	18-011-024
L17, L74	quick-fill cap	18-011-021
L73, L74	aluminum fill plug	5301-55
L17, L72, L73, L74	sight feed dome (micro-fogging design)	4055-50
L72, L74	sight feed dome (oil-fogging design)	4055-51
L74	high pressure sight feed dome	5605-50
	liquid level indicator repair kit	4380-050

Lubricator Seal Kits

5771-02

Used On	Description	Part #
L17	O-rings, seals, and gaskets	5771-02
L73		4382-600
L74		4382-700

Series 1 FRLs

Quick Clamps and Brackets

Features

Quick-clamp

- Provides modular installation capability
- Flanges designated to slide into V grooves in clamp
- Face-sealing O-rings provide a positive seal when clamp is closed and screw tightened

Bracket for quick-clamp

- Provides secure mounting to a wall, machine panel or other flat surface

quick-clamp

bracket

quick-clamp with bracket

Used On Filter/ Regulator/ Lubricator Series	Description	Part #
L72	quick-clamp	4214-51
F72	quick-clamp service kit (2 O-rings)	4384-570
R72	quick-clamp and bracket assembly	4214-52
F73, F74, R73, R74, L72, L73	quick-clamp	4314-51
	quick-clamp service kit (2 O-rings)	4384-770
	wall bracket for quick-clamp (uses 7/32" screws)	4313-50
	quick-clamp and bracket assembly	4314-52

F

Blocks

Features

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

porting block

manifold block

Used On Filter/ Regulator/ Lubricator Series	Description	Part #
F73, F74, R73, R74, L73, L74	porting block, three 1/4" PTF outlets	4316-50
	manifold block, three 3/4" PTF outlets	4328-50

Pipe Adapters

Features

- Installed with quick-clamps
- Provides PTF connections to system piping
- Sold individually

Used On Filter/ Regulator/ Lubricator Series	Description	Part #
L72, F72, R72	1/4" PTF connections	4215-02
	3/8" PTF connections	4215-03
F73, F74, R73, R74, L73, L74	1/4" PTF connections	4315-01
	3/8" PTF connections	4315-02
	1/2" PTF connections	4315-03
	3/4" PTF connections	4315-04

NOTE: Used on filters/regulators/lubricator series

Series 1 FRLs

Mounting Brackets

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

F

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 942 to connect combination unit and then place in bracket.

4324-50

Used On Filter/ Regulator/ Lubricator Series	Description	Part #
L72, F72, R72	wall mounting bracket for all F72 series	4224-50
L73, F73, R72	wall mounting bracket for all F73 series	4424-50
L74, F74, R74	wall mounting bracket for all F74 series	4324-50

Regulator Mounting Brackets

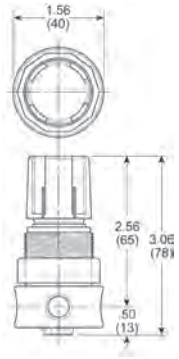
18-025-003

5203-06

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

Watts Regulators

R643-Series Miniature



Features
- Relieving type
- Diaphragm operated
- Non-rising adjusting knob
- 1/8" gauge port

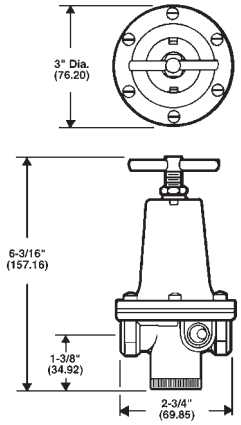
Specifications
- Pressure range **2 – 125 PSIG** (**.15 – 8.5 bar**)
- Inlet pressure: **300 PSIG** (**20.4 bar**) maximum
- Temperature range: **40°F (4°C)** to **120°F (49°C)**

R364-02C

R374-02CG

Size	Flow (SCFM)	Body Material	With Gauge Part #	Without Gauge Part #
1/4"	10	brass	R364-02CG	R364-02C
		aluminum	R374-02CG	R374-02C

R119-Series Standard

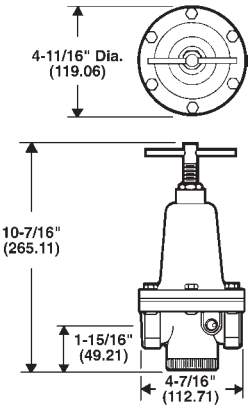


Features
- Zinc body
- Relieving type
- Diaphragm operated
- Spring adjustment mechanism
- T-handle design
- Brass bottom plug
- Aluminum spring cage
- Uses a GC230 gauge

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

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 352-353 for accessories.
FRLs are designed for air service only, unless otherwise indicated.
SCFM ratings given at **100 PSIG** inlet pressure.

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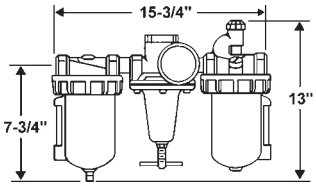
Watts Combination Units

C119-Series Standard

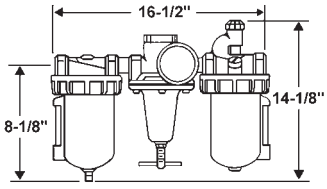
Features
- 16 oz. bowl
- 40 micron polypropylene element
- Zinc body



Specifications
- Maximum operating conditions:
  - temperature range: **40°F** to **150°F (4°C** to **66°C)**
  - maximum operating pressure: **250 PSIG** (**17.2 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 and Accessories

Filter Elements

EK602G

Used On	Description	Part #
F602-06	5 micron	EK602VB
F602-08		
F602-12		
F602-06	40 micron	EK602B
F602-08		
F602-12		
F602-116	40 micron	EK602G

Watts Kits and Accessories

Regulator Repair Kits

Used On	Description	Part #
R119-02	relieving diaphragm, valve assembly	RK119Y
R119-03		
R119-04		RK119A
R119-06		RK119B
R119-08		
R119-12		RK119D
R364-02		RKR164Y
R374-02		

RK119B

Lubricant Repair Kit

Used On	Description	Part #
L606-06	sight glass	RKB605WB
L606-08		
L606-12		

Lubricator Mounting Brackets

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

SA200AW57

Regulator Mounting Brackets

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		

SAR10Y57

SA15Y57

1916 DIXON 2026

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Dixon® Gauges

Application

- All of the gauges supplied by Dixon are designed for long, reliable service under rugged conditions. Typical applications include those on pumps, hydraulic and pneumatic systems, compressors, machine tools, and many other installations where it is necessary to have a gauge with a non-corrosive movement. The gauges available include standard dry and liquid-filled pressure gauges, compound pressure gauges, vacuum gauges, and welding gauges. Materials available include brass, stainless steel, and plastic

Figure Interval – Figure Interval (Increments between **PSI** numbers on gauge face)
Gradient Interval – Graduation Interval (Fractional increments between **PSI** numbers on gauge face)

ABS Standard Dry Gauges

Features

- ASME B40.1, Grade B (± 3-2-3% accuracy)
- PowerFlex™ movement with polyester segment, designed to resist the effects of shock, vibration and pulsation

Materials

- ABS plastic case, corrosion resistant
- Polycarbonate window
- Black aluminum pointer

Specifications

- C-shaped bronze safety bourdon tube (**600 PSI** and lower)
- Helical wound bronze safety bourdon tube (**1000 PSI** and higher)
- Ambient temperature range: **-40°F** to **150°F (-40°C** to **66°C)**

Center Back Mounts

PSI Range	Figure Interval	Minor Gradient	1-1/2" Face 1/8" Center Back Mount Part #	2" Face 1/4" Center Back Mount Part #
0-15	1	.5	---	GC200
0-30	5	.5	GC605	GC215
0-60	5	1	GC610	GC220
0-100	10	2	GC615	GC225
0-160	20	5	GC620	GC230
0-200	20	5	GC625	GC235
0-300	30	5	---	GC240

GC230

Lower Mounts

PSI Range	Figure Interval	Minor Gradient	2" face, 1/4" lower mount Part #	2-1/2" face 1/4" lower mount Part #	3-1/2" face 1/4" lower mount Part #
0-15	1	.5	GL100	GL300	GS15-4
0-30	5	.5	GL115	GL320	GS30-4
0-60	5	1	GL120	GL325	GS60-4
0-100	10	2	GL125	GL330	GS100-4
0-160	20	5	GL130	GL335	GS160-4
0-200	20	5	GL135	GL340	GS200-4
0-300	30	5	GL140	GL345	GS300-4
0-400	50	10	---	GL347	GS400-4
0-600	50	10	---	GL350	GS600-4
0-1000	200	20	---	GL355	GS1000-4
0-1500	300	50	---	GL360	---
0-2000	400	50	---	GL365	---
0-3000	500	100	---	GL370	---
0-5000	1000	100	---	GL375	---

GL135

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Stainless Steel Dry Gauges

Application
- Designed for severe service applications, providing the corrosion resistance and durability of a permanently sealed gauge

Feature
- ± 2-1-2% accuracy

Materials
- 304 stainless steel case and crimp ring
- Polycarbonate window
- 1/4" NPT lower mount stainless connector
- 316 stainless bourdon tube and socket

GSS100

Specification
- Ambient temperature range: **20°F** to **158°F (-7°C** to **70°C)**

PSI Range	Figure Interval	Minor Gradient	2-1/2" Face 1/4" Lower Mount Part #
0-15	3	.2	GSS15
0-30	5	.5	GSS30
0-60	10	1	GSS60
0-100	20	2	GSS100
0-160	20	2	GSS160
0-200	50	5	GSS200
0-300	50	5	GSS300
0-400	100	10	GSS400
0-600	100	10	GSS600
0-1000	200	20	GSS1000
0-1500	300	20	GSS1500
0-2000	500	50	GSS2000
0-3000	500	50	GSS3000
0-5000	1000	100	GSS5000
0-10000	2000	200	GSS10000

Feature
- 1.6% accuracy, exceeds ASME B.40.100 Grade B

Materials
- 304 series stainless case
- Polycarbonate window, 3-1/2" across
- 1/4" NPT lower mount stainless connector
- 316L stainless bourdon tube and socket, polyester segment

GSS160-4

Specification
- Temperature range: **20°F** to **150°F (-7°C** to **66°C)**

PSI Range	Figure Interval	Minor Gradient	4" Face 1/4" Lower Mount Part #
0-15	3	.5	GSS15-4
0-30	5	.5	GSS30-4
0-60	10	1	GSS60-4
0-100	20	2	GSS100-4
0-160	20	2	GSS160-4
0-200	40	5	GSS200-4
0-300	50	5	GSS300-4
0-400	50	10	GSS400-4
0-600	100	10	GSS600-4
0-1000	200	10	GSS1000-4
0-1500	200	20	GSS1500-4
0-3000	500	50	GSS3000-4
0-5000	1000	100	GSS5000-4
0-10000	2000	200	GSS10000-4

Process Gauges

Application
- Specifically designed for process, chemical, and petroleum industries, process gauges are engineered to deliver years of accurate service while withstanding vibration, corrosive media, and corrosive atmosphere

Features
- Accuracy: ± 0.5% ANSI/ASME Grade 2A
- Scale: single scale **PSI** only

Materials
- Case: black impact resistant thermoplastic, with safety blowout back, solid front, integral back flange (dry)
- Ring: ethylene propylene
- Wetted parts: 316L stainless steel
- Window: polycarbonate
- Dial: white aluminum
- Pointer: black aluminum

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Specification
- Temperature range: dry **-40°F** to **250°F (-40°C** to **120°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

F

FlutterGuard™ Dry Gauges

Features

- FlutterGuard virtually eliminates pointer flutter, making the gauge easier to read and reducing excessive movement wear; liquid-free casing results in lighter weight and eliminates the chance of gauge leakage
- ASME B40.1, Grade B (± 3-2-3% accuracy)
- PowerFlex™ movement with polyester segment, designed to resist the effects of shock, vibration, and pulsation

Materials

- Window: polycarbonate
- Pointer: black aluminum
- Case: ABS plastic, corrosion resistant

Specifications

- Ambient temperature range of **-40°F** to **150°F (-40°C** to **66°C)**
- C-shaped bronze safety bourdon tube (**600 PSI** gauges and lower)
- Helical wound bronze safety bourdon tube (**1,000 PSI** gauges and higher)

PSI Range	Figure Interval	Minor Gradient	2-1/2" Face 1/4" Lower Mount Part #
0-15	1	.5	GL300FG
0-30	5	.5	GL320FG
0-60	5	1	GL325FG
0-100	10	2	GL330FG
0-160	20	5	GL335FG
0-200	20	5	GL340FG
0-300	30	5	GL345FG
0-400	50	10	GL347FG
0-600	50	10	GL350FG
0-1000	200	20	GL355FG
0-1500	300	50	GL360FG
0-2000	400	50	GL365FG
0-3000	500	100	GL370FG
0-5000	1000	100	GL375FG

Stainless Panel Builder Gauges

Applications
- Fits industry standard 2.56" panel hole cutout
- Suitable for corrosive environments
- Used in gaseous and liquid media

Feature
- ASME B40.100 Grade A ± 2-1-2% full scale accuracy

Materials
- Wetted parts: 316L stainless steel
- Case and ring: 304 stainless steel
- Stop pin: white aluminum with black lettering
- Pointer: black aluminum
- Case: glycerin filled
- Window lens: laminated safety glass

Specifications
- Ambient temperature range: **-4°F** to **140°F (-20°C** to **60°C)**
- Maximum media temperature **212°F** maximum

PSI Range	Figure Interval	Minor Gradient	2-1/2" Face 1/4" Lower Back Mount Part #
0-15	3	.2	PBLSS15
0-30	5	.5	PBLSS30
0-60	10	1	PBLSS60
0-100	20	2	PBLSS100
0-160	20	2	PBLSS160
0-200	50	5	PBLSS200
0-300	50	5	PBLSS300
0-400	100	10	PBLSS400
0-600	100	10	PBLSS600
0-800	200	20	PBLSS800
0-1000	200	20	PBLSS1000
0-1500	300	20	PBLSS1500
0-2000	500	50	PBLSS2000
0-3000	500	50	PBLSS3000
0-5000	1000	100	PBLSS5000

Contractor Pressure Gauges

Feature
- Accuracy class: ± 1% of span

Materials
- Wetted parts: copper alloy
- Window: acrylic, snap in
- Dial: aluminum, white
- Pointer: aluminum, black, adjustable
- Mounting flanged/bracket, rear flange: stainless steel
- Case: stainless steel

Specification
- Temperature range: **-40°F** to **250°F (-40°C** to **120°C)**

PSI Range	4-1/2" face, 1/4" Lower Mount Part #
0-15	4277750-0001
0-30	4277768-0001
0-60	4277776-0003

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Compound Gauges

Feature
- ASME B40.1, Grade B accuracy (± 3-2-3 % accuracy)

Materials
- Case: ABS plastic, corrosion resistant
- Bourdon tube: bronze
- Socket: brass
- Window: polycarbonate
- Pointer: black aluminum
- Movement: powerflex with polyester segment, designed for extended wear

Specification
- Temperature range of **-40°F** to **150°F (-40°C** to **66°C)**

Mercury (Hg)	PSI Range	Figure Interval (Hg/PSI)	Minor Gradient (Hg/PSI)	2-1/2" Face 1/4" Center Back Mount Part #	2-1/2" Face 1/4" Lower Mount Part #
30"	**0-100**	**30/10**	**5/2**	---	GL310
	0-160	**30/20**	**5/5**	GC210	---
	0-160	**30/20**	**10/10**	---	GL110
	0-200	**30/20**	**10/10**	---	GL315

Vacuum Gauges

Feature
- ASME B40.1, Grade B accuracy (± 3-2-3 % accuracy)

Materials
- Case: ABS plastic
- Bourdon tube: bronze
- Crystal: polycarbonate
- Pointer: black aluminum
- Movement: powerflex with polyester segment, designed for extended wear

Specification
- Temperature range: **-40°F** to **150°F (-40°C** to **66°C)**

Mercury (Hg)	Figure Interval (Hg/PSI)	Minor Gradient (Hg/PSI)	2" Face 1/4" Lower Mount Part #	2" Face 1/4" Center Back Mount Part #	2-1/2" Face 1/4" Lower Mount Part #
30"	**5"**	**.5"**	GL105	GC205	GL305

ABS Case Liquid Filled Gauges

Feature
- ASME B40.100, Grade B (± 3-2-3% accuracy)

Specification
- Temperature range: **-4°F** to **140°F (-20°C** to **60°C)**

PSI Range	Figure Interval	Minor Gradient	2-1/2" Face 1/4" Lower Mount Part #
0-15	3	.2	GLP500
0-30	5	.5	GLP505
0-60	10	1	GLP510
0-100	20	2	GLP515
0-160	20	2	GLP517
0-200	50	5	GLP520
0-300	50	5	GLP525
0-400	100	10	GLP527
0-600	100	10	GLP530
0-1000	200	20	GLP535
0-1500	300	20	GLP540
0-2000	500	50	GLP545
0-3000	500	50	GLP550
0-5000	1000	100	GLP555

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Stainless Case Liquid Filled Gauges

Features
- PowerFlex™ movement with polyester segment designed to resist the effects of shock, vibration, and pulsation
- ASME B40.100, Grade A (± 2-1-2% accuracy)
- 1/4" NPT brass connection

Materials
- Bourdon tube: copper alloy
- Dial: White aluminum with black numbers
- Pointer: black aluminum
- Glycerin filled
- Window: polycarbonate

GLSC430

Specification
- Temperature range: **20°F** to **158°F (-7°C** to **70°C)**

PSI Range	Figure Interval	Minor Gradient	2-1/2" Face 1/4" Center Back Mount Part #	2-1/2" Face, 1/4" 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

GLS420

F

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
- Window: polycarbonate
- Case and crimp ring: 304 stainless
- Glycerin filled

GLSS2000

Specification
- Ambient temperature range: **20°F** to **158°F (-7°C** to **70°C)**

PSI Range	Figure Interval	Minor Gradient	2-1/2" Face 1/4" Lower Mount Part #
0-15	3	.2	GLSS15
0-30	5	.5	GLSS30
0-60	10	1	GLSS60
0-100	20	2	GLSS100
0-160	20	2	GLSS160
0-200	50	5	GLSS200
0-300	50	5	GLSS300
0-400	100	10	GLSS400
0-600	100	10	GLSS600
0-1000	200	20	GLSS1000
0-1500	300	20	GLSS1500
0-2000	500	50	GLSS2000
0-3000	500	50	GLSS3000
0-5000	1000	100	GLSS5000
0-10000	2000	200	GLSS10000

All Stainless Steel Liquid Filled Gauges

Application
- Designed for severe service applications, providing the corrosion resistance and durability of a permanently sealed gauge

Features
- ± 2-1-2% accuracy
- 1/4" NPT center back mount stainless connector

Materials
- Window: polycarbonate
- Case and crimp ring: 304 stainless
- Glycerin filled

Specification
- Ambient temperature range: **20°F** to **158°F (-7°C** to **70°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
- Window: acrylic with membrane assembly
- Bourdon tube: copper alloy
- 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)**

F

PSI Range	Figure Interval	Minor Gradient	2-1/2" Face 1/4" Lower Mount Part #	2-1/2" Face 1/4" Center Back Mount Part #	4" Face 1/2" Lower Mount Part #
0-15	3	.2	GLBR15	GLBRC15	GLBR15-4
0-30	5	.5	GLBR30	GLBRC30	GLBR30-4
0-60	10	1	GLBR60	GLBRC60	GLBR60-4
0-100	10	1	GLBR100	GLBRC100	GLBR100-4
0-160	20	2	GLBR160	GLBRC160	GLBR160-4
0-200	20	2	GLBR200	GLBRC200	GLBR200-4
0-300	50	5	GLBR300	GLBRC300	GLBR300-4
0-400	50	5	GLBR400	GLBRC400	GLBR400-4
0-600	100	10	GLBR600	GLBRC600	GLBR600-4
0-1000	100	10	GLBR1000	GLBRC1000	GLBR1000-4
0-1500	300	20	GLBR1500	GLBRC1500	GLBR1500-4
0-2000	200	20	GLBR2000	GLBRC2000	GLBR2000-4
0-3000	500	50	GLBR3000	GLBRC3000	GLBR3000-4
0-5000	500	50	GLBR5000	GLBRC5000	GLBR5000-4
0-10000	1000	100	---	---	GLBR100004

Welding Gauges

Features
- ± 3-2-3% accuracy according to ASME B40.100 Grade B
- "USE NO OIL" written in red on face

Materials
- Case: polished drawn stainless steel
- Window: twist-lock polycarbonate
- Bourdon tube: copper alloy

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

F

General Purpose Digital Gauges

Applications
- General purpose digital gauges are suitable for dry air applications and other media. Gauge offers selectable units of measure so rather than purchasing one gauge for each unit of measure required, one gauge can be used for multiple units of measure.
- Ideal for test applications and for use in technicians' tool kits

Features
- 0.5% terminal point accuracy
- Five-digit LCD display with large size .48" characters
- Bar graph display (20 segment)
- Nine engineering units (accessed through keypad): **PSI**, in. Hg, cm Hg, mm Hg, KPA, Mpa, BAR, KG/cm2, ft H20
- IP67 weatherproof enclosure, polycarbonate/ABS
- Two AA alkaline batteries included
- 2,000 hour minimum battery life

Material
- Wetted parts: 17-4 PH stainless steel sensor with 316L stainless steel socket

Specifications
- Operating temperature: **-4°F** to **140°F (-20°C** to **60°C)**
- Polycarbonate window
- Other pressure and compound ranges available

PSI Range	2-1/2" Face, 1/4" Lower Mount Part #
0-100	DG100
0-300	DG300
0-1000	DG1000
0-10000	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

WARNING: Misuse of this product can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been tested and approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

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

Specification

- Maximum operating pressure: **125 PSI**

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

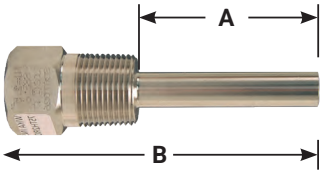
Magnetic Surface Mount Thermometers

Features
- Bi-metal element: responsive actuation by bi-metal helix
- Accuracy: ± 2%

Materials
- Case: steel, 2" x 1/2"
- Dial: polished aluminum

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

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King Combination Nipples

WARNING: King combination nipples are not recommended for steam

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
- 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	---
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.

King Combination Nipples

Beveled End

Feature

- Beveled ends (in brass) are available in select sizes. Consult Dixon® for prices and availability

Size	Unplated Steel Part #	Opt Qty	316 Stainless Steel Part #	Opt Qty	Aluminum Part #
1/2"	STB1	50	---	--	---
3/4"	STB5	50	RSTB5	50	---
1"	STB10	50	RSTB10	50	ASTB10
1-1/4"	STB15	50	RSTB15	50	ASTB15
1-1/2"	STB20	50	RSTB20	50	ASTB20
2"	STB25	25	RSTB25	25	ASTB25
2-1/2"	STB30	10	RSTB30	10	ASTB30
3"	STB35	10	RSTB35	10	ASTB35
4"	STB40	4	RSTB40	4	ASTB40
5"	STB50	4	---	--	ASTB50
6"	STB60	2	RSTB60	4	ASTB60
8"	STB80	2	RSTB80	2	ASTB80
10"	STB100	1	---	--	ASTB100
12"	STB120	1	---	--	---

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

King Combination Nipples

Grooved End

Features

- Grooved ends (in brass and aluminum) are available in select sizes. Consult Dixon for prices and availability
- See pages 979-982 for our complete line of groove style fittings

Size	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
	11/4"	STC1015	RST1015
1-1/4"	1"	STC1510	RST1510
	1-1/2"	STC1520	RST1520
1-1/2"	1"	---	RST2010
	1-1/4"	STC2015	RST2015
	2"	STC2025	RST2025
1-3/4"	2"	STC175200	---
2"	1-1/2"	STC2520	RST2520
	2-1/2"	STC2530	---
	3"	STC2535	RST2535
2-1/2"	2"	STC3025	RST3025
	3"	STC3035	---
3"	2"	STC3525	RST3525
	2-1/2"	STC3530	---
	4"	STC3540	---
4"	3"	STC4035	---

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

Global King Combination Nipples

NPT Threaded End

WARNING: King combination nipples are not recommended for steam

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
- 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.

Global King Combination Nipples

Beveled End

Size	Unplated Steel Part #
1/2"	GSTB1
3/4"	GSTB5
1"	GSTB10
1-1/4"	GSTB15
1-1/2"	GSTB20
2"	GSTB25
2-1/2"	GSTB30
3"	GSTB35
4"	GSTB40
5"	GSTB50
6"	GSTB60

Grooved End

Size	Plated Steel Part #
1"	GSTVC10
1-1/4"	GSTVC15
1-1/2"	GSTVC20
2"	GSTVC25
2-1/2"	GSTVC30
3"	GSTVC35
4"	GSTVC40
5"	GSTVC50
6"	GSTVC60

King Combination Nipples for Plastic Pipe

NPT Threaded End

Size	Plated Steel Part #	Optional Qty
1/2"	SAP1	50
3/4"	SAP6	50
1"	SAP11	50
1-1/4"	SAP16	50
1-1/2"	SAP21	50
2"	SAP26	25

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

Flanged King Combination Nipples

150# ASA

Size	Steel Part #	316 Stainless Steel Part #
1-1/2"	FST20	RFST20
2"	FST25	RFST25
3"	FST35	RFST35
4"	FST40	RFST40
6"	FST60	RFST60
8"	FST80	RFST80
10"	FST100	RFST100
12"	FST120	RFST120

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

King Turned Back Hose Nipples for Floating Flanges

Features

- A turned back nipple, when used in a floating flange assembly, allows the flange to be aligned without stressing (twisting) the hose; this generally increases the hose's service life by eliminating a common cause of premature hose failure
- For use with lap joint flanges shown on page 970

Size	Plated Carbon Steel Part #	316 Stainless Steel Part #
1"	N10	RN10
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 970

Special pushers required:
1-1/2" stem – RN150NOPUSH
2" stem – RN200NOPUSH
2-1/2" stem – RN250NOPUSH
3" stem – RN300NOPUSH

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Size	316 Stainless Steel Part #
1-1/2"	RN150NO
2"	RN200NO
3"	RN300NO

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

Notched Ferrules

Features

- Reference notched shanks above and adapters 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 Holedall® products

Hose I.D.	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"	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 & 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	---
6"	**75**	ST60PF	---

NOTE: Beveled ends for welding are also available. Contact Dixon for further information. For additional information on pipe dimensions, please reference dixonvalve.com.

External Swage Notched NOS Stems

⚠WARNING

The notched system allows you to better manage your inventories. You can stock one stem and two ferrules and cover the same hose range with less inventory. You must purchase a fitting and the matching ferrule to create an assembly.

Features

- For hose outside diameters of 2-4/64" and below, couplings are crimp only
- For hose outside diameters of 2-5/64" and above, couplings can be crimped or swaged
- See page 36 for cam & 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

Notched NOS Ferrules

Feature

- Reference notched shanks above and adapters on pages 44-45

Hose I.D.	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

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. From	Hose O.D. To	Sleeve I.D.	Sleeve Wall Thickness	Sleeve Overall Length	Carbon Steel Part #
3/4"	1-5/64"	1-8/64"	1.1875"	.060"	1-1/4"	CSS075-3CS
	1-9/64"	1-12/64"	1.250"	.060"	1-1/4"	CSS075-4CS
	1-17/64"	1-20/64"	1.375"	.060"	1-1/4"	CSS075-6CS
1"	1-21/64"	1-24/64"	1.438"	.060"	1-1/2"	CSS100-3CS
	1-25/64"	1-28/64"	1.500"	.060"	1-1/2"	CSS100-4CS
	1-29/64"	1-32/64"	1.563"	.060"	1-1/2"	CSS100-5CS
	1-33/64"	1-36/64"	1.625"	.060"	1-1/2"	CSS100-6CS
	1-37/64"	1-40/64"	1.688"	.060"	1-1/2"	CSS100-7CS
	1-41-64"	1-44/64"	1.750"	.060"	1-1/2"	CSS100-8CS
1-1/2"	1-41/64"	1-44/64"	1.750"	.060"	1-3/4"	CSS150-1CS
	1-45/64"	1-48/64"	1.813"	.060"	1-3/4"	CSS150-2CS
	1-49/64"	1-52/64"	1.875"	.060"	1-3/4"	CSS150-3CS
	1-53/64"	1-56/64"	1.938"	.060"	1-3/4"	CSS150-4CS
	1-57/64"	1-60/64"	2.000"	.060"	1-3/4"	CSS150-5CS
	1-61/64"	2"	2.063"	.060"	1-3/4"	CSS150-6CS
	2-1/64"	2-4/64"	2.125"	.060"	1-3/4"	CSS150-7CS
	2-5/64"	2-8/64"	2.188"	.060"	1-3/4"	CSS150-8CS
	2-9/64"	2-12/64"	2.250"	.060"	1-3/4"	CSS150-9CS
2"	2-13/64"	2-16/64"	2.313"	.062"	2"	CSS200-1CS
	2-17/64"	2-20/64"	2.375"	.062"	2"	CSS200-2CS
	2-21/64"	2-24/64"	2.438"	.060"	2"	CSS200-3CS
	2-25/64"	2-28/64"	2.500"	.060"	2"	CSS200-4CS
	2-29/64"	2-32/64"	2.563"	.060"	2"	CSS200-5CS
	2-33/64"	2-36/64"	2.625"	.060"	2"	CSS200-6CS
	2-37/64"	2-40/64"	2.688"	.060"	2"	CSS200-7CS
	2-41/64"	2-44/64"	2.750"	.060"	2"	CSS200-8CS
	2-45/64"	2-48/64"	2.813"	.060"	2"	CSS200-9CS
	2-49/64"	2-52/64"	2.875"	.060"	2"	CSS200-10CS
	2-53/64"	2-56/64"	2.938"	.060"	2"	CSS200-11CS
	2-57/64"	2-60/64"	3.000"	.060"	2"	CSS200-12CS
3"	3-13/64"	3-16/64"	3.313"	.090"	2-5/8"	CSS300-1CS
	3-17/64"	3-20/64"	3.375"	.090"	2-5/8"	CSS300-2CS
	3-21/64"	3-24/64"	3.438"	.090"	2-5/8"	CSS300-3CS
	3-25/64"	3-28/64"	3.500"	.090"	2-5/8"	CSS300-4CS
	3-29/64"	3-32/64"	3.563"	.090"	2-5/8"	CSS300-5CS
	3-33/64"	3-36/64"	3.625"	.090"	2-5/8"	CSS300-6CS
	3-37/64"	3-40/64"	3.688"	.090"	2-5/8"	CSS300-7CS
	3-41/64"	3-44/64"	3.750"	.090"	2-5/8"	CSS300-8CS
	3-45/64"	3-48/64"	3.813"	.090"	2-5/8"	CSS300-9CS
	3-49/64"	3-52/64"	3.875"	.090"	2-5/8"	CSS300-10CS
	3-53/64"	3-56/64"	3.938"	.090"	2-5/8"	CSS300-11CS
	3-57/64"	3-60/64"	4.000"	.090"	2-5/8	CSS300-12CS
4"	4-29/64"	4-32/64"	4.563"	.090"	3-15/32"	CSS400-5CS
	4-33/64"	4-36/64"	4.625"	.090"	3-15/32"	CSS400-6CS
	4-37/64"	4-40/64"	4.688"	.090"	3-15/32"	CSS400-7CS
	4-41/64"	4-44/64"	4.750"	.090"	3-15/32"	CSS400-8CS
	4-45/64"	4-48/64"	4.813"	.090"	3-15/32"	CSS400-9CS
	4-49/64"	4-52/64"	4.875"	.090"	3-15/32"	CSS400-10CS
	4-53/64"	4-56/64"	4.938"	.090"	3-15/32"	CSS400-11CS
	4-57/64"	4-60/64"	5.000"	.090"	3-15/32"	CSS400-12CS

King Steel Round Nipples
For One Clamp

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

Size	NPT Size	Unplated Steel Part #	Optional Qty
1/2"	1/4"	KRN422	100
	3/8"	KRN432	100
5/8"	1/2"	KRN542	100
3/4"	1/2"	KRN642	50
	3/4"	KRN662	50
1"	3/4"	KRN862	50
	1"	KRN882	50
1-1/4"	1"	KRN1082	25
1-1/2"	1-1/4"	KRN1210	25
2"	1-1/2"	KRN1612	20

King Steel Hex Nipples
For One Clamp

Size	NPT Size	Plated Steel Part #	Optional Qty
1/4"	1/4"	KHN221	50
3/8"	1/4"	KHN321	100
	3/8"	KHN331	100
	1/2"	KHN341	100
1/2"	1/4"	KHN421	50
	3/8"	KHN431	50
	1/2"	KHN441	50
	3/4"	KHN461	50
3/4"	1/2"	KHN641	50
	3/4"	KHN661	50
1"	3/4"	KHN861	25
	1"	KHN881	25

King Steel Hex Nipples
For Two Clamps

Size	NPT Size	Plated Steel Part #	Optional Qty
1/4"	1/4"	KHN222	100
3/8"	1/4"	KHN322	100
	3/8"	KHN332	50
	1/2"	KHN342	100
1/2"	1/4"	KHN422	100
	3/8"	KHN432	100
	1/2"	KHN442	50
	3/4"	KHN462	50
3/4"	1/2"	KHN642	50
	3/4"	KHN662	50
1"	3/4"	KHN862	25
	1"	KHN882	25

Hose Shank x Male NPT Inserts

Size	Nylon Part #	Pkg Qty	Polypropylene Part #	Pkg Qty
1-1/4"	THN15	25	---	---
1-1/2"	THN20	25	HB150	25
2"	THN25	20	HB200	24
3"	THN35	10	HB300	10
4"	---	---	HB400	12

nylon

polypropylene

G

Tuff-Lite®

Hose Shank x Male NPT Insert

Features

- Additional material and sizes on page 1017
- Polypropylene fittings should not be used with aromatic hydrocarbons, carbon tetra-chloride, gasoline, hexane, kerosene, nitric acid, sodium hydrochlorite, toluene, trichloroethylene, or xylene
- Polypropylene should not be used with compressed gas
- Fittings are black

Hose Size	Nylon Part #	Pkg Qty	Polypropylene Part #	Pkg Qty
1/4"	TN22	50	PPN22	50
3/8"	TN33	50	PPN33	50
1/2"	TN44	50	PPN44	50
3/4"	TN66	50	PPN66	50
1"	TN88	25	PPN88	25
1-1/4"	TN150	10	PPN150	10
1-1/2"	TN200	10	PPN200	10
2"	TN250	5	PPN250	5

nylon

polypropylene

Dixon® Hose Menders

WARNING: Not for compressible products such as air, nitrogen, or steam

Features

- 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

zinc plated steel

316 stainless steel

Size	Zinc Plated Steel Part #	Optional Qty	316 Stainless Steel Part #	Optional Qty
1/4"	DMA	200	RDMA	100
3/8"	DMB	100	RDMB	100
1/2"	DM1	50	RDM1	50
5/8"	DM5	50	---	---
3/4"	DM6	50	RDM6	50
1"	DM11	50	RDM11	50
1-1/4"	DM16	50	RDM16	5
1-3/8"	DM18	50	---	---
1-1/2"	DM21	50	RDM21	50
1-1/2"	DMXL21[1]	25	---	---
2"	DM26	50	RDM26	10
2"	DMXL26[1]	25	---	---
2-1/2"	DM31	25	---	---
3"	DM36	20	RDM36	5
4"	DM46	10	RDM46	5
5"	DM51	5	---	---
6"	DM66	4	---	---
8"	DM86	1	---	---
10"	DM100	1	---	---
12"	DM120	1	---	---

[1] XL series has extra long shank

King Hose Menders

WARNING: Not for compressible products such as air, nitrogen, or steam

Features

- 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

Size	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

Tuff-Lite®

Menders

nylon

polypropylene

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[1]	---	---

NOTE: Sold in package quantities only
[1] Black nylon

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

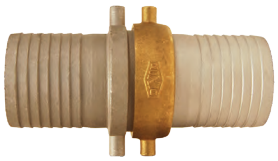
King Short Shank Suction Hose Couplings

NPSM Thread

Application

- For suction or discharge of water

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



complete

Size	Brass Shank with Brass Nut Complete Part #	Brass Shank with Brass Nut Female Part #	Brass Male Part #
1-1/4"	CBB125	FBB125	MB125
1-1/2"	CBB150	FBB150	MB150
2"	CBB200	FBB200	MB200
2-1/2"	CBB250	FBB250	MB250
3"	CBB300	FBB300	MB300
4"	CBB400	FBB400	MB400

female

Size	Plated Iron Shank with Plated Iron Nut Complete Part #	Plated Iron Shank with Plated Iron Nut Female Part #	Plated Iron Male Part #
1"	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

1" - 2-1/2"
male

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
1-1/4"	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

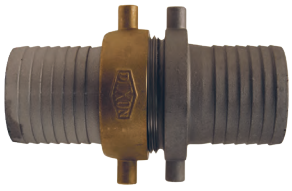
3" - 6"
male

[1] 1" fittings have a hex nut design

NOTE: Complete couplings supplied with rubber gaskets
Replacement gaskets (KRW standard) are available. See page 388.

King Short Shank Suction Hose Couplings

NST Couplings


complete

female

male

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

NOTE: NST (Common Fire Hose thread) is also known as NH
Replacement gaskets (KRW standard) are available. See page 388.

Steel King Short Shank Suction Couplings

NPSM Couplings

complete

female

male

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

NOTE: Replacement gaskets (KRW standard) are available. See page 388.

Super King Long Shank Hose Couplings

Female NPSM Couplings

Application

- For liquid transfer where steel and stainless are preferred

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

pin lug nut

Size	Shank Length	316 Stainless Shank with Iron Pin Lug Nut[2] Part #	316 Stainless Shank with Stainless Hex Nut[2] Part #
1-1/2"	4-1/8"	---	RSHR20
2"	5"	RSDM25	RSDR25
3"	5"	RSDM35	---

hex nut

[1] KLW leather gaskets standard
[2] PTFE gaskets standard

Male NPT Couplings

Size	Shank Length	Plated Steel Part #	316 Stainless Part #
1-1/4"	4-3/8"	SK16	---
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 843-846

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 388.

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

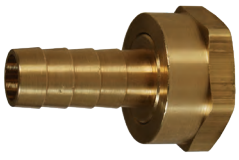
NOTE: Standard gasket is rubber (KRW); for FKM gaskets (KVW) see page 388.

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]

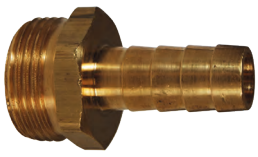
[1] NPSH threads
[2] Washer is 5911212W
NOTE: Use with KRW washers on page 388



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 431 of catalog
NOTE: Use with KRW washers on page 388



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 431 of catalog
NOTE: Use with KRW washers on page 388

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

plated steel

brass

[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 388

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

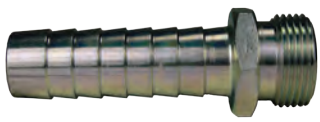
plated steel

brass

[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 388

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



plated steel

brass

[1] NPSH thread
NOTE: 1/2" to 1" are machined; 1-1/4" to 2" are cast

Long Shank Hose Couplings

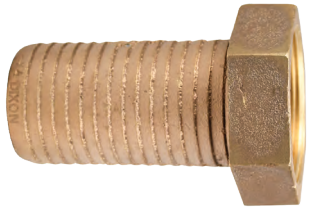
Complete NST Couplings

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 388
For GHT long shank complete couplings, see page 433

G

Female NST Couplings



Hose I.D.	NST Thread	Brass Part #
1-1/2"	1-1/2"	BLS150NST
2-1/2"	2-1/2"	BLS250NST

NOTE: Replacement gaskets (KRW standard) available on page 388
For GHT long shank female coupling, see page 433

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 433

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 430
Replacement KLW (leather gaskets) standard, can be found on page 388

G

Female NPSM Couplings

Hose I.D.	NPSM Thread	Plated Steel Part #
3/8"	3/4"	SS346
1/2"	1/2"	SS444
1/2"	3/4"	SS446
3/4"	3/4"	SS646

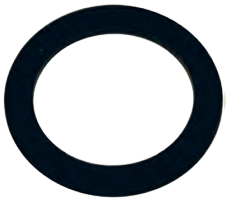
NOTE: For GHT spray hose female coupling, see page 430
Replacement KLW (leather gaskets) standard, can be found on page 388

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

NOTE: For GHT spray hose male coupling, see page 430

Gaskets for Suction, Short, Long, and Spray Hose Couplings



rubber

neoprene

FKM

leather

rubber

Feature

- For use on NPSM threaded couplings

Size	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	---

Size	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

Type A

Applications
- 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 rubber gasket

Size	Galvanized Steel Part #
10"	FC21210
12"	FC21212[1]

[1] 12" supplied with M20412 lever assist bar found on page 392

10"

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 rubber gasket

Size	Galvanized Steel Part #
10"	FC21210ST100
12"	FC21212ST120[1]

[1] 12" supplied with M20412 lever assist bar found on page 392

12"

Female with 150# ASA Flange

Feature
- Supplied with rubber gasket

Size	Galvanized Steel Part #
10"	FC22310
12"	FC22312[1]

[1] 12" supplied with M20412 lever assist bar found on page 392
NOTE: For flange dimensions, diagrams, and additional information, please reference dixonvalve.com.

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

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

Feature
- Supplied with rubber gasket

Size	Galvanized Steel Part #
10"	EL21510-90
12"	EL21512-90[1]

[1] 12" supplied with M20412 lever assist bar on page 392

12"

Female for Welding to Pipe

Size	Unplated Steel Part #
10"	20410
12"	20412

12"

G

Males with Ring for Welding

Size	Unplated Steel Part #
10"	21010
12"	21012

Female Plugs

Feature
- Supplied with rubber gasket

Size	Galvanized Steel Part #
10"	FP20910
12"	FP20912[1]

[1] 12" supplied with M20412 lever assist bar on page 392

10"

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

Lever Assist Bar

Size	Galvanized Steel Part #
12"	M20412

Quick Connect Safety Pin

Size	Galvanized Steel Part #
12"	SP290

Type B

Applications
- 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 397

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 rubber 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 rubber gasket

Size	Galvanized Steel Part #
2"	FCM3122
3"	FCM3123
4"	FCM3124
6"	FCM3126
8"	FCM3128

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 #
3"	MC3093ST35
4"	MC3094ST40
6"	MC3096ST60

G

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 397

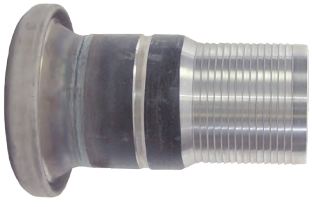
NOTE: For flange dimensions, diagrams, and additional information please reference dixonvalve.com.

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 #
3"	FC3103ST35
4"	FC3104ST40
6"	FC3106ST60

Type B

Female x 150# ASA Flange

Feature
- Supplied with rubber 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 rubber 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 rubber 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 397

Male x Female 45° Elbow

Feature
- Supplied with rubber 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 397

Type B

Female x Male Reducer

Feature
- Supplied with rubber 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 397

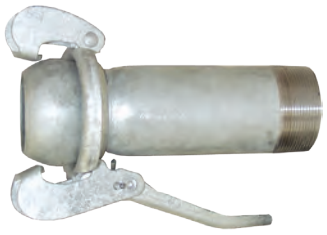
Female x Male Increaser

Feature
- Supplied with rubber gasket

Female Size	Male Size	Galvanized Steel Part #
4"	6"	FMI31946
6"	8"	FMI31968
8"	10"	FMI319810
10"	12"	FMI3191012[1]

[1] 10" and 12" supplied with ACB304 lever assist bar on page 397

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 397

Type B

Female Plugs

Feature
- Supplied with rubber gasket

Size	Galvanized Steel Part #
2"	FP3082
3"	FP3083
4"	FP3084
6"	FP3086
8"	FP3088
10"	FP30810
12"	FP30812

Lever Rings

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

Lever Assist Bar

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

Gaskets

Size	Rubber Part #	EPDM Part #
2"	RG3052	RG3062
3"	RG3053	RG3063
4"	RG3054	RG3064
6"	RG3056	RG3066
8"	RG3058	RG3068
10"	RG30510	RG30610
12"	RG30512	RG30612

Quick Connect Safety Clips

Size	Galvanized Steel Part #
2"	SP59
3"	SP76
4"	SP89
6"	SP159
8"	SP159
10"	SP390
12"	SP390

2" - 8"

10" - 12"

Polyethylene Crimp Bauer – Type A

Male

Applications
- The primary applications 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

Applications
- The primary applications for these fittings are irrigation and suction lines

Feature
- Includes rubber gasket

Size	Galvanized in Centrifugation Part #
12"	FC21212-PC

We Believe in the 6 Pillars of Character

1916 DIXON 2026
110 YEARS OF UNCOMMON EXCELLENCE®

Respect *Responsibility* *Caring* *Citizenship* *Trustworthiness* *Fairness*

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Polyethylene Crimp Bauer – Type B

Male

Applications
- The primary applications 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

G

Female

Applications
- The primary applications for these fittings are irrigation and suction lines

Features
- Locks on the female size
- Includes rubber gasket

Size	Galvanized in Centrifugation Part #
4"	FC3104-PC
6"	FC3106-PC
8"	FC3108-PC
12"	FC31012-PC

Strainers

Application

- Used on the submersed end of suction hose to prevent debris from entering the pump during operation

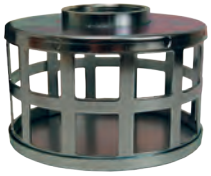
zinc plated steel

304 stainless steel

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	---

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

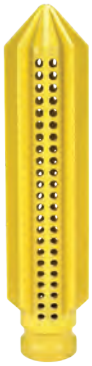
Material
- Elastomeric polymers

Specifications
- Flow rate: **224 GPM**
- Minimum temperature: **-87°F (-66°C)**
- Maximum temperature: **212°F (100°C)**

Approval
- Manufactured in accordance to ISO:9001

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
- Vulcanized polymers eliminate 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

FLSS200



FLSS200-A

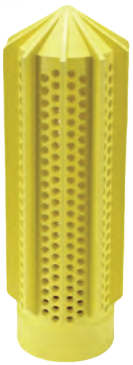
Size	Hose Barb	Hole	Width	Length	Description	Part #
2"	2"	8 mm	3-1/2"	14.57"	flexible strainer	FLSS200
	---				flexible strainer without hose barb	FLSS200-A

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
3"						FLSS300-NPT8



FLSS300-NPT8

Foot Valves

Applications

- 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 compressible 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

Washdown/Mixing Stations 404-405

Water-steam washdown station 404
Bronze hot and cold water mixing station 404
Rack for mixing station 404
Steam and cold water mixing station 405
Stainless steel hot and cold water mixing station 405
Hot or cold water mixing station 405

Washdown Nozzles 406-409

Thermal-Gard™ elevated temperature spray 406
Swivel connectors for washdown spray guns 406
- Ball type swivel x hose shank 406
- Straight swivel x hose shank 406
- Straight swivel x GHT thread 406

Hot water washdown spray 407
Lite washdown spray 407
Mini spray 408
Spray 408
Washdown wand 408
Temperature indicating spray 409
Stainless steel industrial grade spray 409
Brass industrial grade front lever spray 409

Pressure Washing 410-420

E-Series hydraulic couplings 410-412
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Water-Steam Washdown Station

Station is not supplied with hose and nozzle

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

Specifications
- Maximum operating pressure: **150 PSI**
- Maximum temperature: **200°F (93°C)**

Features
- Globe style control valves
- Dial thermometer
- In-line check valves
- 3/4" inlet and outlet
- Mounting plate and hardware for wall mounting

Material
- Hose rack: stainless steel

Bronze Part #
SWDS

Pressure Requirements

Steam Pressure		Water Pressure	
Minimum	Maximum	Minimum	Maximum
80 PSI	**90 PSI**	**50 PSI**	**80 PSI**

H

WARNING: Misuse of this product can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been tested and approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

Hot and Cold Water Mixing Station

Station is not supplied with hose and nozzle

Features
- Globe style control valves
- In-line check valves
- 3/4" inlet and outlet
- Mounting plate and hardware for wall mounting

Material
- Hose rack: stainless steel

Specifications
- Maximum operating pressure: **150 PSI**
- Maximum temperature: **200°F (93°C)**

Bronze Part #
WDS1

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
- Lag screws: stainless steel
- Mounting crowns: solid brass

Stainless Steel Part #
WDSR

Steam and Cold Water Mixing Station

Application
- Front line mixing unit

Features
- 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

WARNING: Misuse of this product can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been tested and approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

H

Hot and Cold Water Mixing Station

Features
- Control valves (globe style)
- 3/4" inlet and outlet
- Temperature gauge (optional, stainless steel)
- Mounting plate and hardware for wall mounting

Material
- Hose rack: stainless steel

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)
- Mounting plate and hardware for wall mounting

Material
- Hose rack: stainless steel

Specifications
- Maximum operating pressure: **150 PSI**
- Maximum temperature: **200°F (93°C)**

304 Stainless Steel Part #
WDS0-SS

Thermal-Gard™ Elevated Temperature Spray Nozzle

Features
- Thermal-Gard™ elevated temperature spray nozzle protects the operator from extreme hot water temperatures that exceed the comfort zone of standard hot water nozzles
- Assembly includes required special rigid, stainless steel adapter, (3/8" male NPT x 1/2" female NPT)
- Thermal insulating sleeve reduces overall heat during elevated temperature conditions.
- Stainless steel lever handle is coated for additional thermal protection and operator comfort
- Lightweight aluminum alloy body reduces overall weight
- Aluminum alloy body is electroless nickel plated for additional corrosion protection
- 3/8" female NPT inlet
- Black cover
- See pages 420-422 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**

H

Aluminum Part #
AWSG-TG

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

Applications
- 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

H

Lite Washdown Spray Nozzles

LWSG-B

Application
- For use where reduced size and/or flow rate is preferred

Features
- More compact and lighter than standard nozzle
- Special formulated rubber cover for durability and easy replacement
- 3/8" female NPT inlet

LWSG-W

Specifications
- **9.0 GPM** flow capacity at **100 PSI**
- Pressure rating: **150 PSI**
- Temperature rating **200°F (93°C)**

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

Mini Spray Nozzle

Features
- 1/2" female NPT inlet
- Do not use with steam lines
- Designed as an industrial lightweight nozzle with heavyweight performance
- Durable dark blue cover protects user from hot surfaces produced by high temperature wash down applications
- Reduces hand fatigue and provides smooth lever action
- Variable spray patterns from fan spray to solid stream
- Drip-free automatic shutoff feature

Specifications
- Pressure rating **150 PSI** at **200°F (93°C)**
- Flow: **9.6 GPM** at 100 PSIG

Stainless Steel Part #
DM150SDB

Spray Nozzle

Features
- 1/2" female NPT inlet
- Designed to prevent accidental spray
- Durable dark blue cover prevents front-mounted lever from being accidentally activated if nozzle is dropped
- Reduces hand fatigue and provides smooth lever action
- Trigger locking mechanism provides safe and secure method of keeping the nozzle open during any spray pattern
- Variable spray patterns from fan spray to solid stream
- Drip-free automatic shut-off feature
- Can be used with D150S-WAND

Specifications
- Rated to **150 PSI** at **200°F (93°C)**
- **9.6 GPM** flow capacity at 100 PSIG

Stainless Steel Part #
D150SDB

Washdown Wand

Features
- Designed to provide user with a means of reaching desired washdown locations previously deemed unreachable by extending the nozzle by 3'
- Adjustable spray tip can be changed from fan to solid spray by twisting the tip until the desired flow pattern is achieved
- Quick disconnect feature allows user to quickly connect wand to the nozzle above
- Designed to only fit the D150SDB nozzle
- Wand is not for use with steam

Specification
- Minimum pressure is **75 PSI**

300 Series Stainless Steel Part #
D150S-WAND

Temperature Indicating Spray Nozzle

Features
- Easy-to-read dial thermometer at rear of the nozzle provides accurate and continual monitoring of water temperature
- Plastic sight window
- Gauge assembly is recessed into the rubber cover for complete protection
- Alerts the operator to shut-down the steam valve upon cold water failure, preventing scalding and steam burn injuries ensuring operator safety
- Ensures a more accurate discharge water temperature reading
- 1/2" female NPT inlet
- Black cover

Specifications
- Recommended for water temperatures to **200°F (93°C)**
- Maximum operating pressure: **150 PSI**
- **12.5 GPM** flow capacity

Bronze Part #
BWSG-TI

WARNING: Misuse of this product can cause serious injury or even death.

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WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

H

Stainless Steel Industrial Grade Spray Nozzle

Application
- Recommended for use in corrosive applications where bronze and aluminum nozzles are not suitable

Features
- Heavy duty 300-Series stainless steel body and barrel
- Variable spray pattern adjusts from a soft spray to a solid stream
- Replaceable rubber cover is specially formulated to resist a wide range of oils and chemicals and protect surrounding equipment
- 1/2" female NPT inlet

Specifications
- Maximum operating pressure: **150 PSI**
- Maximum flow: **12.5 GPM** at **150 PSI**
- Maximum temperature: **200°F (93°C)**

300 Stainless Steel Part #
300SSSG

Brass Industrial Grade Front Lever Spray Nozzle

Features
- Provides effortless one hand operation; by actuating the operating lever the valve is opened/closed and the jet power is regulated from spray to concentrated jet
- Adjusting screw on back of gun allows you to fix the desired form of jet, fixing clamp for the operating lever allows lockable position for service
- 1/2" female NPT inlet
- Durable blue rubber cover

Specifications
- Maximum operating pressure: **350 PSI**
- Suitable for hot water up to **122°F (50°C)**
- Flow: **6.6 GPM** at **72 PSI**

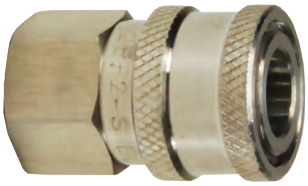
Brass Part #
DWG050

E-Series Hydraulic Couplings

Features
- Couplers have no internal valves, which provide maximum flow with minimum pressure drop
- Contact Dixon® for additional seal material options, pressure ratings, and other technical information
- Interchanges with Parker ST, Hannifin SST/BST, Foster FST, Hansen ST, and Tomco ST couplings
- Do not disconnect with pressure in line

Specification
- Nitrile rubber seals are standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

brass

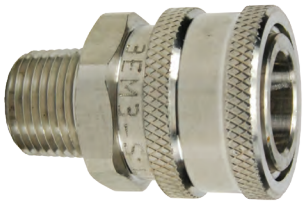


303 stainless

Straight-Through Female Threaded Couplers

Body Size	Threads	Brass		303 Stainless Steel	
		Previous Part #	Part #	Previous Part #	Part #
1/8"	1/8" – 27 NPTF	---	1EF1-B	---	1EF1-S
1/4"	1/4" – 18 NPTF	STFC2	2EF2-B	STFC2SS	2EF2-S
	1/4" – 19 BSPP	---	2EBF2-B	---	---
3/8"	3/8" – 18 NPTF	STFC3	3EF3-B	STFC3SS	3EF3-S
	3/8" – 19 BSPP	---	3EBF3-B	---	---
1/2"	1/2" – 14 NPTF	STFC4	4EF4-B	STFC4SS	4EF4-S
	1/2" – 14 BSPP	---	4EBF4-B	---	---
3/4"	3/4" – 14 NPTF	STFC6	6EF6-B	STFC6SS	6EF6-S
	3/4" – 14 BSPP	---	6EBF6-B	---	---
1"	1" – 11-1/2 NPTF	STFC8	8EF8-B	STFC8SS	8EF8-S
	1" – 11 BSPP	---	8EBF8-B	---	---
1-1/4"	1-1/4" – 11-1/2 NPTF	STFC10	10EF10-B	---	10EF10-S
1-1/2"	1-1/2" – 11-1/2 NPTF	STFC12	12EF12-B	---	12EF12-S
2"	2" – 11-1/2 NPTF	STFC16	16EF16-B	---	16EF16-S

brass



303 stainless

Straight-Through Male Threaded Couplers

Body Size	Threads	Brass		303 Stainless Steel	
		Previous Part #	Part #	Previous Part #	Part #
1/8"	1/8" – 27 NPTF	---	1EM1-B	---	1EM1-S
1/4"	1/4" – 18 NPTF	STMC2	2EM2-B	STMC2SS	2EM2-S
3/8"	3/8" – 18 NPTF	STMC3	3EM3-B	STMC3SS	3EM3-S
1/2"	1/2" – 14 NPTF	STMC4	4EM4-B	STMC4SS	4EM4-S
3/4"	3/4" – 14 NPTF	STMC6	6EM6-B	STMC6SS	6EM6-S
1"	1" – 11-1/2 NPTF	STMC8	8EM8-B	STMC8SS	8EM8-S
1-1/4"	1-1/4" – 11-1/2 NPTF	STMC10	10EM10-B	---	---
1-1/2"	1-1/2" – 11-1/2 NPTF	STMC12	12EM12-B	---	---
2"	2" – 11-1/2 NPTF	STMC16	16EM16-B	---	---

Straight-Through Hose Barb Couplers

Body Size	Hose I.D.	Brass Part #
1/4"	1/4"	2ES2-B
3/8"	3/8"	3ES3-B
1/2"	1/2"	4ES4-B
3/4"	3/4"	6ES6-B
1"	1"	8ES8-B

E-Series Hydraulic Couplings

Straight-Through Female Threaded Plugs

Body Size	Threads	Steel		Brass	
		Previous Part #	Part #	Previous Part #	Part #
1/8"	1/8" – 27 NPTF	---	E1F1	---	E1F1-B
1/4"	1/4" – 18 NPTF	STFP2	E2F2	STFP2B	E2F2-B
	1/4" – 19 BSPP	---	---	---	E2BF2-B
3/8"	3/8" – 18 NPTF	STFP3	E3F3	STFP3B	E3F3-B
	3/8" – 19 BSPP	---	---	---	E3BF3-B
1/2"	1/2" – 14 NPTF	STFP4	E4F4	STFP4B	E4F4-B
	1/2" – 14 BSPP	---	---	---	E4BF4-B
3/4"	3/4" – 14 NPTF	---	E6F6	---	E6F6-B
	3/4" – 14 BSPP	---	---	---	E6BF6-B
1"	1" – 11-1/2 NPTF	STFP8	E8F8	STFP8B	E8F8-B
	1" – 11 BSPP	---	---	---	E8BF8-B
1-1/4"	1-1/4" – 11-1/2 NPTF	STFP10	E10F10	---	E10F10-B
1-1/2"	1-1/2" – 11-1/2 NPTF	STFP12	E12F12	---	E12F12-B
2"	2" – 11-1/2 NPTF	STFP16	E16F16	---	E16F16-B

steel

brass

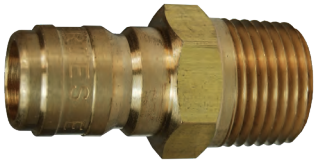
Body Size	Threads	303 Stainless Steel	
		Previous Part #	Part #
1/8"	1/8" – 27 NPTF	---	E1F1-S
1/4"	1/4" – 18 NPTF	STFP2SS	E2F2-S
3/8"	3/8" – 18 NPTF	STFP3SS	E3F3-S
1/2"	1/2" – 14 NPTF	STFP4SS	E4F4-S
3/4"	3/4" – 14 NPTF	---	E6F6-S
1"	1" – 11-1/2 NPTF	STFP8SS	E8F8-S
1-1/4"	1-1/4" – 11-1/2 NPTF	---	E10F10-S
1-1/2"	1-1/2" – 11-1/2 NPTF	---	E12F12-S
2"	2" – 11-1/2 NPTF	---	E16F16-S

303 stainless steel

Straight-Through Male Threaded Plugs

Body Size	Threads	Steel		Brass	
		Previous Part #	Part #	Previous Part #	Part #
1/8"	1/8" – 27 NPTF	---	E1M1	---	E1M1-B
1/4"	1/4" – 18 NPTF	STMP2	E2M2	STMP2B	E2M2-B
3/8"	3/8" – 18 NPTF	STMP3	E3M3	STMP3B	E3M3-B
1/2"	1/2" – 14 NPTF	STMP4	E4M4	STMP4B	E4M4-B
3/4"	3/4" – 14 NPTF	STMP6	E6M6	STMP6B	E6M6-B
1"	1" – 11-1/2 NPTF	STMP8	E8M8	STMP8B	E8M8-B
1-1/4"	1-1/4" – 11-1/2 NPTF	STMP10	E10M10	---	E10M10-B
1-1/2"	1-1/2" – 11-1/2 NPTF	STMP12	E12M12	---	E12M12-B
2"	2" – 11-1/2 NPTF	STMP16	E16M16	---	E16M16-B

steel



brass

Body Size	Threads	303 Stainless Steel	
		Previous Part #	Part #
1/8"	1/8" – 27 NPTF	---	E1M1-S
1/4"	1/4" – 18 NPTF	STMP2SS	E2M2-S
3/8"	3/8" – 18 NPTF	STMP3SS	E3M3-S
1/2"	1/2" – 14 NPTF	STMP4SS	E4M4-S
3/4"	3/4" – 14 NPTF	STMP6SS	E6M6-S
1"	1" – 11-1/2 NPTF	STMP8SS	E8M8-S

303 stainless steel

E-Series Hydraulic Couplings

steel

brass

Straight-Through Hose Barb Plugs

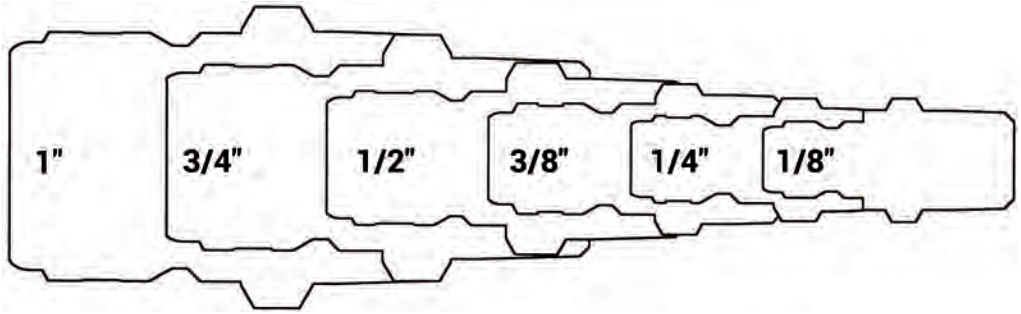
Body Size	Hose I.D.	Steel Part #	Brass Part #
1/4"	1/4"	E2S2	E2S2-B
3/8"	3/8"	E3S3	E3S3-B
1/2"	1/2"	E4S4	E4S4-B
3/4"	3/4"	E6S6	E6S6-B
1"	1"	E8S8	E8S8-B

Straight-Through Coupler Seal Kits

H

Body Size	Coupler Style	Seal Kit Contents	Nitrile Part #	FKM Part #	EPDM Part #
1/4"	all	body O-ring	2E-SKIT	F-2E-SKIT	P-2E-SKIT
3/8"			3E-SKIT	F-3E-SKIT	P-3E-SKIT
1/2"			4E-SKIT	F-4E-SKIT	P-4E-SKIT
3/4"			6E-SKIT	F-6E-SKIT	P-6E-SKIT
1"			8E-SKIT	F-8E-SKIT	P-8E-SKIT
1-1/4"			10E-SKIT	F-10E-SKIT	P-10E-SKIT
1-1/2"			12E-SKIT	F-12E-SKIT	P-12E-SKIT
2"			16E-SKIT	F-16E-SKIT	P-16E-SKIT

Plug Profiles



Industry/Competitor Interchange

Foster FST
Parker ST
Hansen ST

Spray Guns

Anti-Fatigue Spray Gun

Features
- 3/8" female inlet
- 1/4" female outlet
- Anti-fatigue pressure compensating design

Specification
- Temperatures to: **320°F (160°C)**

Maximum PSI	GPM	Part #
5075	**12.0**	HPSG
4500	**8.0**	HPSGW[1]

[1] W = weeping, for the car wash industry, allows a small stream of water/leak

Pressure Spray Gun

Features
- 3/8" female inlet
- 1/4" female outlet

Specifications
- Working pressure: **4500 PSI**
- Maximum temperature: **320°F (160°C)**

GPM	Part #
8.0	HPSGL

Heavy Duty Anti-Fatigue Spray Gun

Features
- 3/8" female inlet
- 1/4" female outlet
- Heavy duty anti-fatigue design
- Stainless inner tube
- Zytel® housing

Specifications
- Working pressure: **5800 PSI**
- Maximum temperature: **320°F (160°C)**

GPM	Part #
10.6	HPSGHD

Pressure Spray Gun with Extension

Features
- 3/8" female inlet
- 22 mm x 1.5 mm female outlet
- Extension length: 19"

Specifications
- Working pressure: **3700 PSI**
- Maximum temperature: **140°F (60°C)**

GPM	Part #
8.0	AL9

Pressure Spray Gun Kit with Hose, Nozzle & Lance

Features
- Lance: 18" with vari-spray nozzle 1.25 mm with 22 mm male inlet
- Hose: 25', 1/4" I.D. with 22 mm x 14 mm female ends
- Nozzle: 4.0 variable nozzle 0° to 80°

Specification
- Gun: 22 mm male inlet, 22 mm x 1.5 mm female outlet end, working pressure **2500 PSI**

Part #
BIT-KIT

Spray Lances and Extensions for Pressure Gun

Spray Lance

Feature
- For use with AL9 spray gun only on page 413

Specifications
- Maximum operating pressure: **5000 PSI**
- Maximum temperature: **300°F (149°C)**

Length	Description	Zinc Part #
24"	22 mm x 1.5 mm male inlet x 1/4" male outlet	AL248

Dual Spray Lances

Features
- For use with HPSG, HPSGC, HPSGHD, and HPSGW
- For soap and water
- Requires (1) high pressure nozzle and (1) soap nozzle on page 417
- Allows quick adjustment from high to low pressure with a twist of the handle; low pressure setting allows for use of soap

Specifications
- Maximum temperature: **300°F (149°C)**
- **10.5 GPM** flow rate

AL333

AL344

Length	Description	Maximum Operating PSI	Part #
40"	zinc, 1/4" male inlet (2) each 1/4" female outlets	**3,650**	AL333
	stainless steel, 1/4" male inlet, (2) each 1/4" female outlets	**4,000**	AL344

Molded Grip Extensions

Feature
- For use with HPSG, HPSGC, HPSGHD, and HPSGW

Specifications
- Maximum operating pressure: **5000 PSI**
- Temperature: **302°F (150°C)**
- Maximum flow rate: **10.5 GPM**

AL323

AL324

AL325 & AL326

Length	Description	Zinc Part #
24"	1/4" male inlet x 1/4" male outlet	AL323XX
36"	1/4" male inlet x 1/4" male outlet, 4" space from the end	AL324XX
48"	1/4" male inlet x 1/4" male outlet, 2 grips	AL325XX
59"	1/4" male inlet x 1/4" male outlet, 2 grips	AL326XX

Vented Grip Lances

Features
- For use with HPSG, HPSGC, HPSGHD, and HPSGW
- For hot water

Specifications
- Maximum operating pressure: **5000 PSI**
- Maximum temperature: **300°F (149°C)**
- **10.5 GPM** maximum flow rate

AL361

AL362

Length	Description	Zinc Part #
36"	1/4" male inlet x 1/4" female outlet, straight	AL361
48"	1/4" male inlet x 1/4" female outlet, bent	AL362

Telescoping Lance and Belt for Pressure Gun

Features
- 3/8" female (pipe thread) inlet
- 1/4" female (quick connect) outlet
- Length is in three sections
- 1/4" steel braided hose

Specifications
- Maximum operating pressure: **4000 PSI**
- **7 GPM** flow rate
- Maximum temperature: **300°F (149°C)**

Length	Aluminum Part #
6' – 18'	ARTEL18A

Swiveling Quick Couplings

Specifications
- Working pressure: **3650 PSI**
- **7.8 GPM** flow rate
- Maximum temperature: **300°F (149°C)**

1/4" swiveling quick couplings

Description	Part #
1/4" female x 22 mm x 1.5 mm swivel	AL450[1]

[1] For use with AL455F and AL456 on page 416

Description	Part #
1/4" male x 22 mm x 1.5 mm swivel	AL451[2]

[2] For use with AL454, AL455F, and AL456 on page 416

3/8" swiveling quick couplings

Description	Part #
3/8" female x 22 mm x 1.5 mm swivel	AL453[1]

[1] For use with AL455F and AL456 on page 416

Description	Part #
3/8" female inlet x 1/2" female outlet swivel	AL462[2]

[2] For use with AL464 only on page 416

Fixed Plugs

Specifications
- Working pressure: **3650 PSI**
- **7.8 GPM** flow rate
- Maximum temperature: **300°F (149°C)**

1/4" fixed quick coupling plugs

Description	Part #
1/4" female x 22 mm x 1.5 mm male	AL454[1]

[1] For use with AL451, AL453, and AL9 on page 415

Description	Part #
1/4" male x 22 mm x 1.5 mm male	AL455F[2]

[2] For use with AL450, AL451, and AL453 on page 415

3/8" fixed quick coupling plugs

Description	Part #
3/8" female x 22 mm x 1.5 mm male	AL456[1]

[1] For use with AL450, AL451, AL453, and AL9 on pages 413, 415

Description	Nickel Plated Brass Part #
3/8" female x 1/2" male plug	AL464[2]

[2] For use with AL462 only on page 415

Sewer Nozzles

Specifications
- Working pressure: **3625 PSI**
- Maximum temperature: **300°F (149°C)**

Size	Orifice	303 Stainless Steel Part #
3/8"	4.5 mm	SWNZ380-045
	5 mm	SWNZ380-050

Injector Nozzles

Features
- Designed to inject cleaning solutions into high pressure discharge lines
- 3/8" male inlet and outlet

Specification
- Maximum working pressure: **4500 PSI**

AL477

Description	Orifice	Flow (GPM)	Part #
adjustable	1.8 mm	**2 – 8**	AL472
adjustable	2.1 mm	**3 – 8**	AL477
adjustable	2.3 mm	**4 – 8**	AL478

Line Strainer

Features
- 3/4" female GHT inlet, 1/2" male NPT outlet
- .60 mesh cuffed filter
- 2 additional 1/4" side ports

Specification
- Maximum flow rate: **8 GPM**

Aluminum Part #
AR3000-A2

High Pressure Spray Soap Nozzles

Description	Brass Part #
1/4" male inlet, 40° spray angle, size #40	NZ4040S
1/4" male inlet, 80° spray angle, size #40	NZ8040S

High Pressure Spray Nozzles

Description	400 Stainless Steel Part #
1/4" male NPT inlet, 15° spray angle, size 4	NZ1504
1/4" male NPT inlet, 25° spray angle, size 4	NZ2504
1/4" male NPT inlet, 40° spray angle, size 4	NZ4004

Quick Connect Soap Nozzle

Description	Brass Part #
1/4" straight-through plug inlet, 65° spray angle, size #40	NZ6540QCS

NOTE: Use with 1/4" couplers on page 514

Quick Connect Spray Nozzles

Description	Part #
1/4" straight-through plug inlet, 0° spray angle, size #4, red	MSP400
1/4" straight-through plug inlet, 15° spray angle, size #4, yellow	MSP415
1/4" straight-through plug inlet, 25° spray angle, size #4, green	MSP425
1/4" straight-through plug inlet, 40° spray angle, size #4, white	MSP440

NOTE: Use with 1/4" couplers on page 543

Multi-Pack Quick Connect Nozzles

Description	Nozzles Included	Part #
1/4", 65° spray angle, size #40	NZ6540QCS	MSP4PAK
1/4", 15° spray angle, size #4, yellow	MSP415	
1/4", 25° spray angle, size #4, green	MSP425	
1/4", 40° spray angle, size #4, white	MSP440	

Multi-Pack High Pressure Spray Nozzles

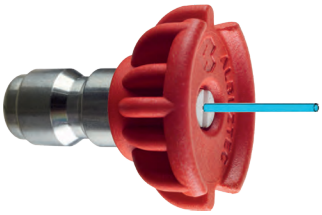
Features

- 1/4" quick connect nozzle multi-packs include: 0° red, 15° yellow, 25° green, 40° white and 50° black soap nozzles
- 1/4" MEG nozzle multi-packs include: 0°, 15°, 25°, 40°, and 65° soap nozzles

Nozzle Size	GPM at PSI									Part #
	800	1000	1500	2000	2500	3000	3500	4000	5000	
3.0	**1.34**	**1.50**	**1.84**	**2.12**	**2.37**	**2.60**	**2.81**	**3.00**	**3.35**	NZMQC5P-030
3.5	**1.57**	**1.75**	**2.14**	**2.47**	**2.77**	**3.03**	**3.27**	**3.50**	**3.91**	NZMQC5P-035
4.0	**1.79**	**2.00**	**2.45**	**2.83**	**3.16**	**3.46**	**3.74**	**4.00**	**4.47**	NZMQC5P-040
4.5	**2.01**	**2.25**	**2.76**	**3.18**	**3.56**	**3.90**	**4.21**	**4.50**	**5.03**	NZMQC5P-045
5.0	**2.24**	**2.50**	**3.06**	**3.54**	**3.95**	**4.33**	**4.68**	**5.00**	**5.59**	NZMQC5P-050
5.5	**2.46**	**2.75**	**3.37**	**3.89**	**4.35**	**4.76**	**5.14**	**5.50**	**6.15**	NZMQC5P-055
6.5	**2.91**	**3.25**	**3.98**	**4.60**	**5.14**	**5.63**	**6.08**	**6.50**	**7.27**	NZMQC5P-065
8.0	**3.58**	**4.00**	**4.90**	**5.66**	**6.32**	**6.93**	**7.48**	**8.00**	**8.94**	NZMQC5P-080

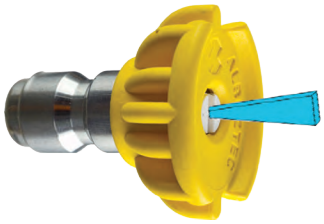
Nozzle Size	GPM at PSI									Part #
	800	1000	1500	2000	2500	3000	3500	4000	5000	
3.5	**1.57**	**1.75**	**2.14**	**2.47**	**2.77**	**3.03**	**3.27**	**3.50**	**3.91**	NZMMEG5P-035
4.0	**1.79**	**2.00**	**2.45**	**2.83**	**3.16**	**3.46**	**3.74**	**4.0**	**4.47**	NZMMEG5P-040
4.5	**2.01**	**2.25**	**2.76**	**3.18**	**3.56**	**3.90**	**4.21**	**4.50**	**5.03**	NZMMEG5P-045
5.0	**2.24**	**2.50**	**3.06**	**3.54**	**3.95**	**4.33**	**4.68**	**5.00**	**5.59**	NZMMEG5P-050
5.5	**2.46**	**2.75**	**3.37**	**3.89**	**4.35**	**4.76**	**5.14**	**5.50**	**6.15**	NZMMEG5P-055

Spray Nozzle Selection Guidelines



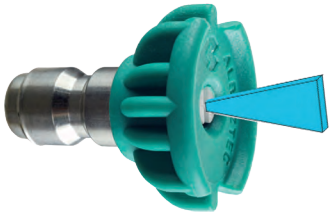
0°
Blasting Nozzle

- Removing caked on mud from heavy construction, farm or lawn equipment
- Cleaning tar, glue, or stubborn stains from concrete
- Cleaning overhead areas
- Removing rust from steel and oxidation from aluminum



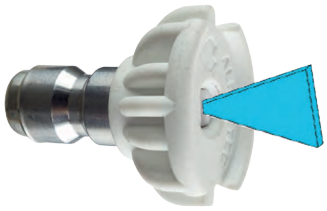
15°
Stripping Nozzle

- Removing paint from wood, masonry or metal
- Removing grease or dirt from equipment
- Removing heavy mildew stains
- Removing marine growth from boats and marine equipment
- Removing rust from steel and oxidation from aluminum



25°
Cleaning Nozzle

- General cleaning of dirt, mud and grime
- Cleaning roofs, gutters, and downspouts
- Removing light mildew stains
- Removing algae and bacteria build-up from pools
- Rinsing surfaces in preparation for painting



40°
Washing Nozzle

- Light cleaning and washing
- Washing and rinsing of automobiles and boats
- Cleaning roofs, windows, patios, and driveways

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Caution: The spray force from these nozzles can cause injuries if pointed directly at yourself or others. Before observing directly always disconnect from spray wand. Make sure spray nozzle is properly locked in place with its quick coupler. If the collar is not in the locking position, the nozzle will become a dangerous projectile. The O-ring from your quick coupler socket will also be blown out of place.

Nozzle Spray Chart

Nozzle Orifice Size	Gallons Per Minute →	1000 PSI	1200 PSI	1250 PSI	1300 PSI	1500 PSI	1800 PSI	2000 PSI	2100 PSI	2200 PSI	2300 PSI	2400 PSI	2500 PSI	3000 PSI	3200 PSI	3500 PSI	4000 PSI	5000 PSI
3.0		1.50	1.64	1.68	1.71	1.84	2.01	2.12	2.17	2.22	2.27	2.32	2.37	2.60	2.68	2.81	3.00	3.35
3.5		1.75	1.92	1.96	2.00	2.14	2.35	2.47	2.54	2.60	2.65	2.71	2.77	3.03	3.13	3.27	3.50	3.91
4.0		2.00	2.19	2.24	2.28	2.45	2.68	2.83	2.90	2.97	3.03	3.10	3.16	3.46	3.58	3.74	4.00	4.47
4.5		2.25	2.46	2.52	2.57	2.76	3.02	3.18	3.26	3.34	3.41	3.49	3.56	3.90	4.02	4.21	4.50	5.03
5.0		2.50	2.74	2.80	2.85	3.06	3.35	3.54	3.62	3.71	3.79	3.87	3.95	4.33	4.47	4.68	5.00	5.59
5.5		2.75	3.01	3.07	3.14	3.37	3.69	3.89	3.99	4.08	4.17	4.26	4.35	4.76	4.92	5.14	5.50	6.15
6.5		3.25	3.56	3.63	3.71	3.98	4.36	4.60	4.71	4.82	4.93	5.03	5.14	5.63	5.81	6.08	6.50	7.27
8.0	←	4.00	4.38	4.47	4.56	4.90	5.37	5.66	5.80	5.93	6.07	6.20	6.32	6.93	7.16	7.48	8.00	8.94

Turbo Nozzles

Features
- 20° spray angle
- Ceramic orifice

Specification
- Maximum temperature: **212°F (100°C)**

Nozzle Size	Description	Orifice	Maximum Working PSI	Part #
4.0	1/4" female inlet	1.30 mm	**3,700**	AL-TPR25-30
6.0	1/4" female inlet	1.50 mm	**3,700**	AL-TPR25-50
7.0	1/4" female inlet	1.70 mm	**3,700**	AL-TPR25-70
4.0	1/4" female inlet	1.30 mm	**5,075**	AL-TPR35-30
6	1/4" female inlet	1.50 mm	**5,075**	AL-TPR35-50
7	1/4" female inlet	1.70 mm	**5,075**	AL-TPR35-70

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Nozzle Holders

Specifications
- Maximum temperature: AL414 = **320°F (160°C)**
  AL416 = **300°F (149°C)**

AL414

AL416

Description	Flow (GPM)	Working PSI	Part #
adjustable high/low nozzle holder with nozzle protector, 1/4" female inlet and outlet	**8**	**3,650**	AL414
change over nozzle, 1/4" female inlet, 2 each 1/4" female outlets	**8**	**2,900**	AL416

Inlet Filter for Turbo Nozzles

Features
- 1/4" female inlet, 1/4" male outlet
- 100 mesh filter

Specification
- Maximum temperature: **212°F (100°C)**

Description	Flow (GPM)	Working PSI	Part #
stainless steel, inlet water filter	**8**	**5,000**	AR3500

Unloader Valves

Features
- Automatically relieves pressure from the pump at shut-off
- Inlet: (2) each, 3/8" female NPT
- Outlet: 3/8" female NPT
- Bypass: (2) each, 3/8" female NPT

Specification
- Maximum temperature: **194°F (90°C)**

Description	Maximum Flow (GPM)	Working PSI	Part #
yellow spring	**10.5**	**2,320**	AL605
blue spring	**10.5**	**3,650**	AL606
black spring	**10.5**	**4,500**	AL607

Features
- Inlet: 3/8" female
- Outlet: 3/8" male
- Bypass: 3/8" female

Specification
- Maximum temperature: **190°F (88°C)**

Description	Flow (GPM)	Working PSI	Part #
VR-35 unloader valve	**8**	**5,100**	AR20831

Thermal Relief Valve

Feature
- Inlet: 1/2" male

Specifications
- Operating **PSI**: **200 PSI**
- Maximum temperature: **140°F (60°C)**

Brass Part #
TPP140

Safety Release Valve

Feature
- Inlet: 3/8" male

Material
- Brass

Specifications
- Pressure range: **1,000** to **4,000 PSI**
- Maximum temperature: **140°F (60°C)**
- **5 GPM** flow rate

Part #
AR5000-1

Pressure Washer Valve

Features
- 304 stainless steel wedge handle provides ease of operation
- Quick water shut off allows for easy changing of pressure wash guns

Specifications
- Maximum operating **PSI**: **5,500 PSI**
- Maximum temperature: **212°F (100°C)**

Female Size	Length	Flow (GPM)	Seal	304 Stainless Steel Part #
3/8"-18 NPT	2.933"	**12**	FKM	PWV38

Pressure Washer Braided Hose

Specification
- Maximum temperature: **250°F (121°C)**

I.D.	Male Swivel Inlet	Male Swivel Outlet	Pressure Rating (PSI)	Length	Rubber Part #
3/8"	3/8"	3/8"	**4,000**	50'	AR503830SSP

Hand Crank Hose Reel

Features
- 3/8" outlet, 3/8" inlet
- Includes jumper hose, mounting bracket and crank handle
- Holds 100' of 3/8" pressure hose

Specifications
- Working **PSI**: **3,000 PSI**
- Maximum temperature: **160°F (71°C)**

Steel Part #
AR-REEL100

Contractors EPDM Water Hose

Features
- Heavy-duty, crush-proof solid brass couplings with wrench grips
- Spiral synthetic cord reinforcement
- Black cover

Specifications
- Working pressure: **150 PSI**
- Temperature range: **-20°F to 180°F (-29°C to 82°C)**

Size	EPDM Part #	Optional Qty
3/4" x 50'	CWH50	3

Rubber Vinyl Garden Hose

Features
- Extra tough, five-ply construction
- Exclusive, soft textured, abrasion-resistant green cover
- Dual reinforced, heavy-duty, flexibility, kink resistance
- Combines durability of rubber, easy handling of vinyl
- SEAL-TITE® leakproof coupling

Specifications
- Working pressure: **400 PSI**
- Temperature range: **0°F** to **140°F (-18°C** to **60°C)**
- GHT fittings

Size	Rubber Vinyl Part #	Optional Qty
5/8" x 25'	SGH25	5
5/8" x 50'	SGH50	5
5/8" x 75'	SGH75	3
5/8" x 100'	SGH100	3

Premium EPDM Hose

Features
- Professional grade reinforcement provides maximum strength
- Heavy-duty flexibility
- Ultimate kink resistance
- SEAL-TITE® leakproof coupling
- Lead-free drinking water safe
- 40% lighter than standard rubber hose
- Black cover

Specifications
- Working pressure: **400 PSI**
- Temperature range: **-40°F** to **165°F (-40°C** to **74°C)**
- GHT fittings

Size	EPDM Part #	Optional Qty
5/8" x 50'	PGH50	4
5/8" x 100'	PGH100	4

Hot Water Rubber Reinforced Hose

Features
- Industrial style reinforcing for flexibility, high burst strength
- Extra heavy-duty, crush-proof, machined brass couplings
- Maximum wear, abrasion-resistant red cover
- Lead-free drinking water safe
- 40% lighter than standard rubber hose

Specifications
- Withstands extensive hot water up to **-40°F** to **165°F (-40°C** to **74°F)**
- Working pressure: **400 PSI**
- GHT fittings

Size	Rubber Part #	Optional Qty
5/8" x 50'	HWH50	4
3/4" x 50'	HWH50-75	4

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Marine, Camper, Patio & Pool Hose

Features
- Lightweight to handle, easy to store
- USFDA – approved tube materials for food contact use
- Nickel plated couplings
- Lead-free drinking water safe
- White cover

Specification
- Working pressure: **300 PSI** at ambient temperature **70°F (21°C)**

Size	Part #	Optional Qty
5/8" x 50'	MCH50	5

Hot Water Washdown Hose

Features
- Smooth extruded chlorobutyl tube
- White, wrapped Hypalon cover (.075" thick) with braided textile reinforcement
- Furnished with internal stainless steel spring guards at both ends
- 3/4" male NPT fixed end and 1/2" male NPT swivel on the other end

Specifications
- Working pressure: **250 PSI**
- Maximum temperature: **200°F (93°C)**

Hose I.D. x Length	Part #
5/8" x 25'	SWDSHOSE25
5/8" x 50'	SWDSHOSE50

Fog Nozzle

Features
- Shutoff – straight stream – fog
- Brass stem
- Standard flow

Specifications
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- 120° spray **GPM** at **100 PSI**

Size	Thread	90° Spray GPM at 100 PSI	Polycarbonate Part #
3/4"	GHT	**8.0**	FNB75GHT

Hydrant Adapter – Pin Lug

Female Thread	Male Thread	Cast Brass Part #
2-1/2" NST (NH)	3/4" GHT	HA2576

H

Black SBR Washers

5911212W

I.D.	O.D.	Duro	Part #	Optional Qty
0.60"	1.02"	80	5911212W	25
0.86"	1.27"	60	5911616W	25

Black EPDM Garden Hose Washers

5911216W

Description	I.D.	O.D.	Duro	Part #
black peroxide cure EPDM NSF®	0.63"	1.00"	70	5911212WEPDM
	0.86"	1.27"	70	5911616WEPDM

Garden Hose Filter Washer

Description	FDA black 70a duro PVC		Optional Qty
	Previous Part #	Part #	
304 stainless steel mesh, FDA black 70a duro PVC	TVS7-30	5911212F	100

Red Vinyl GHT Washer

Red Vinyl Part #	Optional Qty
TVW7	100

White Rubber GHT Washer

White Rubber (Styrene Butadiene) Part #	Optional Qty
TRW7	100

Sweeper Nozzle

Thread Size	Discharge	Length	Brass	
			Previous Part #	Part #
3/4" GHT	3/16"	1.47"	500SN2	PSN76

Flexible Water Nozzle

Feature
- Bends for water flow, shuts off when released

Thread Size	Part #
3/4" GHT	8005

Brass/Rubber Power Flow Water Nozzle

Features
- All metal body and handle
- Curved design to fit the contour of your hand
- Overmold for comfortable handling
- Built in flow control to regulate the amount of water flow
- Locking feature to make extended watering easy
- Large easy-turn dial

Thread Size	Part #
3/4" GHT	PNB75GHT

Heavy Duty Hot Water Nozzle

Features
- Hot water rated to handle temperatures up to **160°F (71°C)**
- ThermoGuard overmold protects hands from heat and remains comfortable even with heavy use
- Durable brass spray tip for added durability in extreme conditions
- Adjustable front tip alters spray from powerful jet to light rinse
- Flow control dial customizes force of the water stream
- **125 PSI** to weather high water pressure

Material
- Heavy-duty die-cast zinc construction

Thread Size	Part #
3/4" GHT	PHDN75

Insulated Water Nozzle

Features
- Clip locks to any spray pattern
- Industrial strength nylon handle
- Rubber handle guard
- GHT thread on head
- Heavy duty brass valve and adjusting nut

Specifications
- For use with hot water up to **140°F (60°C)**

Thread Size	Chrome Plated Zinc Part #
3/4" GHT	SN75

Pistol-Grip Water Nozzle

Features
- Clip locks to any spray pattern
- Easy squeeze on/off lever
- Brass valve and adjusting nut
- Stainless steel spring with lifetime packing
- Rubber handle guard

Thread Size	Zinc Metallized Part #
3/4" GHT	CSN75

Twist Nozzles

Specification
- Maximum operating pressure **150 PSI** (water only)

Thread Size	Length	Extruded Brass	
		Previous Part #	Part #
3/4" GHT	4"	---	BTN75
	4"	---	500AN4[1]
	6-3/4"	500-AN7	500AN7[1]

[1] Imported

Adjust-A-Power Nozzle

Features
- Ideal for patio, auto and boat, driveway, and garden
- Produces 50% more power than twist nozzles
- Does not require a washer
- Leave nozzle in the open position when not in use
- Brass construction with stainless steel bearings

Specification
- Maximum operating pressure: **100 PSI** (water only) at ambient temperature **70°F (21°C)**

Thread Size	Brass Part #
3/4" GHT	AAPN75GHT

Constant Flow Nozzle Displays

FNB75GHT-GD

CNB75GHT-GD

Features
- Shatterproof and UV-resistant polycarbonate withstands tough environmental conditions
- Seals used for true water shut-off
- Easy twist spray pattern adjustment
- Sold in case quantity only (25 per case), with display

Thread	45° Spray GPM at 100 PSI	Color	Global Part #
3/4" GHT	**25.1**	green	FNB75GHT-GD
	25.1	clear	CNB75GHT-GD

Constant Flow Nozzles with Bumper

GNB75GHT

CNB75GHT

Feature
- Can be used as a replacement nozzle in the display case FNB75GHT-GD above

Thread	45° Spray GPM at 100 PSI	Color	Plastic Part #
3/4" GHT	**8.0**	green	GNB75GHT (domestic)
	25.1	clear	CNB75GHT (global)

Plain Hose Nozzles

Feature
- Finish: satin

Specification
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

Size	Thread	Overall Length	Orifice	Replacement Gasket	Brass	
					Previous Part #	Part #
3/4"	GHT	6"	1/4"	KRW5	500SN6	BN6

Compression Bibb Faucets

Features
- Cast brass finish
- Nozzle end is GHT
- For water use only
- 125 WOG

Male NPT Inlet Size	Brass Part #
1/2"	BRF50
3/4"	BRF75

Garden Hose Quick Connects

Feature
- Easy push-pull ring for long lasting and quick hose attachments

Specifications
- Maximum operating pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- Maximum temperature **140°F (60°C)**

Complete Assembly

3/4" male GHT x 3/4" female GHT	Brass		303 Stainless Steel	
	Previous Part #	Part #	Previous Part #	Part #
complete unvalved assembly	DGH7	500QCK	DGH7SS	500QCKSS
complete valved assembly	DGH7V	500QCKV	---	---

Female Couplers

female coupler x 3/4" female GHT	Brass		303 Stainless Steel	
	Previous Part #	Part #	Previous Part #	Part #
unvalved coupler	DGH7C	500QCF	DGH7CSS	500QCFSS
valved coupler-water shutoff	DGH7CV	500QCFV	---	---

Replacement Parts for 500QCFV

Description	Part #
replacement rubber seal gasket for 500QCFV (DGH7CV)	500QCFVSG
replacement NBR O-ring for 500QCFV (DGH7CV)	500QCFVOR

Replacement Seal for 500QCF

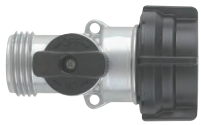
Nitrile Butadiene Rubber	
Previous Part #	Part #
DGHW7	500QCSG

Male Plugs

Description	Brass		303 Stainless Steel	
	Previous Part #	Part #	Previous Part #	Part #
male plug x 3/4" male GHT	DGH7P	500QCM	DGH7PSS	500QCMSS

Straight GHT Valve

Specifications
- Maximum temperature: **160°F (71°C)** (hot water)
- Recommended usage: **100°F (38°C)**
- Working pressure: **60 PSI**



Powder-coated Zinc Part #
GHV

GHT Ball Valve

Specifications
- Maximum temperature: **140°F (60°C)** (hot water)
- Working pressure: **100 PSI**
- Reduced port

Description	Forged Brass Part #
3/4" female x 3/4" male GH	500GHV

GHT Twin Valve

Specifications
- Maximum temperature: **160°F (71°C)** (hot water)
- Recommended usage: **100°F (38°C)**
- Working pressure: **60 PSI**

Powder-coated Zinc Part #
GHYV

Garden Hose Y Valve

Feature
- Double Y valve, swivel inlet – with Higbee cut threads (capped) to prevent cross threading

Specifications
- Maximum temperature: **140°F (60°C)** (hot water)
- Working pressure: **100 PSI**

Description	Forged Brass Part #
3/4" female x double 3/4" male GH	500GHY

Garden Hose Y Coupler

Specifications
- Maximum working pressure: **100 PSI**
- Maximum temperature: **140°F (60°C)**

Description	Nickel-plated Forged Brass Part #
3/4" female x double 3/4" male GH	500YCF

GHT Y

Feature
- Includes one end cap

Specifications
- Maximum temperature: **160°F (71°C)** (hot water)
- Recommended usage: **100°F (38°C)**
- Working pressure: **60 PSI**

Powder-coated Zinc Part #
GHY

Y Coupler

Specifications
- Maximum working pressure: **100 PSI**
- Maximum temperature: **100°F (38°C)**

Description	Zinc with TBR Washer Part #
double male GH x female GH	500YCZ

GHT 4-Valve Manifold

Features
- Swivel inlet

Materials
- Cast brass body, TPR handle, POM Internal valve, NBR seals

Specifications
- Maximum temperature: **120°F (49°C)**
- Maximum operating pressure: **100 PSI**

Description	Part #
3/4" female x (4) 3/4" male GH	500GH4VBK

GHT Backflow Preventer

Features
- Manual drain
- Corrosion resistant
- Tamper-proof protection

Materials
- Lead-free brass (NSF 372) extruded stock
- Gasket: nitrile rubber
- Components: stainless steel

Specifications
- Maximum operating pressure: **125 PSI**
- Temperature range: **33°F** to **180°F (.5°C to 82°C)**

Description	Part #
3/4" female x 3/4" male GH	500BFP

Radiator Bibb

Feature
- 1/4" female pipe thread connection
- Fill radiators and other heat exchanger tanks; molded rubber nozzle; internal screen prevents debris from entering

Vinyl Part #
8013

Garden Hose Gooseneck

Feature
- Angles hose away from hose bibb

Specifications
- Recommended usage: **100°F (38°C)**
- Working pressure: **60 PSI**

Powder-coated Zinc Part #
GHGN

GHT Zinc Fittings

Features
- Premium brass and zinc construction for maximum strength and durability
- Patented impact resistant clamp design
- Non-corroding high grade 410 stainless steel screws will not strip when tightened
- Leakproof, reusable
- For use with rubber or plastic hose
- Fits all 5/8" and 3/4" hose

Female Hose Fitting

Part #	Optional Qty
M5834F	48

Male Hose Fitting

Part #	Optional Qty
M5834M	48

Mender

Part #	Optional Qty
M5834HM	48

Spray Valve and Hose Assembly

Valves

Features
- Even spray valve mist provides proper moisture on paper roll ends
- Helps eliminate wrinkles and folder delivery problems, increasing pressroom production and reducing waste
- A slight flex of the hose in any direction (360°) activates the spray
- Quick action with no protruding levers, thumb depressors, triggers or other devices utilized
- Positive water seal when hose is released causes the internal valve to close and immediately shut off spray
- Sealed mechanism with no packing gland

83304

83306H

Female NPT Size	Description	Part #
1/4"	valve only	83304
3/8"		83306
1/4"	valve with hook	83304H
3/8"		83306H

Hose Assembly

Male NPT Inlet	Description	Part #
3/8"	5' hose	8320605

NOTE: Additional hose lengths are available contact Dixon®

Spray Hose Fittings

Complete Couplings – GHT

Hose I.D.	GHT Thread	Plated Steel Part #
3/8"	3/4"	SS307
1/2"	3/4"	SS407
5/8"	3/4"	SS507
3/4"	3/4"	SS607

Female Couplings – GHT

Hose I.D.	GHT Thread	Plated Steel Part #
3/8"	3/4"	SS347
1/2"	3/4"	SS447
5/8"	3/4"	SS547
3/4"	3/4"	SS647

H

Male Couplings – GHT

Hose I.D.	GHT Thread	Plated Steel Part #
3/8"	3/4"	SS317
1/2"	3/4"	SS417
5/8"	3/4"	SS517
3/4"	3/4"	SS617

Standard Shank Cast Couplings with Hex Nut

Features
- Use with washers on page 388
- Sold in complete sets only

Size	Brass Part #
1/2"	CBC74
5/8"	CBC75
3/4"	CBC76
1"	CBC88[1]

[1] NPSM thread

Garden Hose Menders

Size	Brass	
	Previous Part #	Part #
1/2"	5780808C	1780808C
5/8"	5781010C	1781010C
3/4"	5781212C	1781212C
1"	5781616C	1781616C

NOTE: More sizes available on page 441

Standard Shank Fittings

Feature
- All threads are 3/4" GHT (NH) unless stated otherwise

GHT Complete Couplings with Hex Nut

Feature
- Extended male GHT – deeper thread

Hose Size	Brass		Lead-Free Brass[2] Part #	303 Stainless	
	Previous Part #	Part #		Previous Part #	Part #
3/8"	BC73	5920606K	---	---	---
1/2"	BC74	5920808K	5920808KLF	SSC74	5920808KSS
5/8"	BC75	5921010K	5921010KLF	SSC75	5921010KSS
3/4"	BC76	5921212K	5921212KLF	SSC76	5921212KSS
1"	BC78	5921612K[3]	---	---	---
1"	BS808	5921616K[1]	5921616KLF[1]	---	---

[1] 1" NPSH thread
[2] NSF®/ANSI 61 certified lead-free brass <=0.25% lead, Alloy C2745 and NSF®/ANSI 61 certified 5911212WEPDM washer included
[3] Nut on female stem is crimped
NOTE: Complete coupling set is shipped unassembled

H

GHT Female Fittings with Swivel Nut

Hose Size	Brass		Lead-Free Brass[2] Part #	303 Stainless		Pkg Qty
	Previous Part #	Part #		Previous Part #	Part #	
3/8"	BCF73	5910612C	---	---	---	25
1/2"	BCF74	5910812C	---	SSCF74	5910812SS	25
	---	---	5910812CLF	---	---	25
5/8"	BCF75	5911012C	---	SSCF75	5911012SS	25
	---	---	5911012CLF	---	---	25
3/4"	BCF76	5911212C	---	SSCF76	5911212SS	25
	---	---	5911212CLF	---	---	25
1"	BCF78	5911612C[3]	---	---	---	10
	BS848	5911616C[1,4]	5911616CLF[1]	---	---	10

[1] 1" NPSH thread
[2] NSF®/ANSI 61 certified lead-free brass <=0.25% lead, Alloy C2745 and NSF®/ANSI 61 certified 5911212WEPDM washer included
[3] Nut on female stem is crimped
[4] Washer included, part # 5911616W on page 423
NOTE: SBR black rubber washer part # 5911212W included, found on page 423

GHT Male Fittings

Feature
- Extended male GHT – deeper thread

Hose Size	Brass		Lead-Free Brass[2] Part #	303 Stainless		Pkg Qty
	Previous Part #	Part #		Previous Part #	Part #	
3/8"	BCM73	5900612C	---	---	---	25
1/2"	BCM74	5900812C	---	SSCM74	5900812SS	25
	---	---	5900812CLF	---	---	25
5/8"	BCM75	5901012C	---	SSCM75	5901012SS	25
	---	---	5901012CLF	---	---	25
3/4"	BCM76	5901212C	---	SSCM76	5901212SS	25
	---	---	5901212CLF	---	---	25
1"	BCM78	5901612C	---	---	---	10
	BS818	5901616C[1]	5901616CLF[1]	---	---	10

[1] 1" NPSH thread
[2] NSF®/ANSI 61 certified lead-free brass <=0.25% lead, Alloy C2745

Short Shank Fittings

Features
- All threads are 3/4" GHT (NH) unless stated otherwise
- Female couplings include 5911212W SBR washer; additional washers on page 423
- Extended male GHT – deeper thread
- Complete coupling set is not shipped assembled

GHT Complete Couplings with Hex Nut

Hose Size	Brass	
	Previous Part #	Part #
1/2"	HNBGH74	5890808K
5/8"	HNBGH75	5891010K
3/4"	HNBGH76	5891212K

GHT Complete Couplings with Round Nut

Hose Size	Brass	
	Previous Part #	Part #
1/2"	BGH74	5870808K
5/8"	BGH75	5871010K
3/4"	BGH76	5871212K

GHT Female Couplings with Round Nut

Hose Size	Shank Length	Brass	
		Previous Part #	Part #
1/2"	1"	BGHF74	5860812C
5/8"	1"	BGHF75	5861012C
3/4"	1"	BGHF76	5861212C

GHT Female Swivels with Hex Nut

Hose Size	Shank Length	Brass	
		Previous Part #	Part #
1/2"	1"	HNBGHF74	5880812C
5/8"	1"	HNBGHF75	5881012C
3/4"	1"	HNBGHF76	5881212C

GHT Male Couplings with Hex

Feature
- Extended male GHT – deeper thread

Hose Size	Shank Length	Brass	
		Previous Part #	Part #
1/2"	1"	BGHM74	5850812C
5/8"	1"	BGHM75	5851012C
3/4"	1"	BGHM76	5851212C

Long Shank Fittings

Complete Couplings – GHT

Features

- Extended male GHT, deeper thread
- Brass female couplings include 5911212W washer; plated steel includes KRW5 washer

Hose I.D.	GHT Thread	Plated Steel Part #	Brass		Lead-Free Brass
			Previous Part #	Part #	Part #
3/8"	3/4"	SLS307	---	---	---
1/2"	3/4"	SLS407	BLS407	5950808K	---
5/8"	3/4"	SLS507	BLS507	5951010K	---
3/4"	3/4"	SLS607	BLS607	5951212K	5951212KLF[1]

[1] NSF®/ANSI 61 certified lead-free brass <=0.25% lead, Alloy C2745 and NSF®/ANSI 61 certified 5911212WEPDM washer included with female coupling

Female Couplings – GHT

Feature

- Brass female couplings include 5911212W washer; plated steel includes KRW5 washer

Hose I.D.	GHT Thread	Plated Steel Part #	Brass		Pkg Qty	Lead-Free Brass Part #
			Previous Part #	Part #		
3/8"	3/4"	SLS347	---	---	---	---
1/2"	3/4"	SLS447	BLS447	5940812C	25	---
5/8"	3/4"	SLS547	BLS547	5941012C	25	---
3/4"	3/4"	SLS647	BLS647	5941212C	25	5941212CLF[1]

[1] NSF®/ANSI 61 certified lead-free brass <=0.25% lead, Alloy C2745 and NSF®/ANSI 61 certified 5911212WEPDM washer included with female coupling

H

Male Couplings – GHT

Feature

- Extended male GHT, deeper thread

Hose I.D.	GHT Thread	Plated Steel Part #	Brass		Pkg Qty	Lead-Free Brass Part #
			Previous Part #	Part #		
3/8"	3/4"	SLS317	---	---	50	---
1/2"	3/4"	SLS417	BLS417	5930812C	25	---
5/8"	3/4"	SLS517	BLS517	5931012C	25	---
3/4"	3/4"	SLS617	BLS617	5931212C	10	5931212CLF[1]

[1] NSF®/ANSI 61 certified lead-free brass <=0.25% lead, Alloy C2745 and NSF®/ANSI 61 certified 5911212WEPDM washer included with female coupling

Garden Hose Cap

Size	303 Stainless Part #	Brass		Optional Qty
		Previous Part #	Part #	
3/4" GHT	5131212SS	GHC7	5131212C	25

303 stainless

brass

Garden Hose Round Nut with Knurl

Size	Brass Part #
3/4" GHT	5861012N

Garden Hose Hex Nuts with Knurl

Size	Brass Part #	Lead-Free Brass[2] Part #
3/4" GHT	5911212N	5911212NLF
1" NPSH	5911616N	5911616NLF

[2] NSF®/ANSI 61 certified lead free brass <=0.25% lead, Alloy C2745

Male GHT Adapters

Feature
- Extended male GHT, deeper thread

Male Hose x Male Hose x Female Pipe

Male GH x Male GH x Female NPTF	Lead-Free Brass Part #
3/4" x 3/4" x 1/2"	5091212CLF[1]

[1] NSF®/ANSI 61 certified lead-free brass <=0.25% lead, Alloy C2745

Male GHT x Male NPTF

brass

lead-free brass

303 stainless

Male GHT	Male NPTF	Brass		Lead-Free Brass[2] Part #	Male Thread	303 Stainless		Pkg Qty
		Previous Part #	Part #			Previous Part #	Part #	
3/4"	3/8"	BA73	5081206C	---	---	---	---	25
	1/2"	BA74	5081208C	5081208CLF[2]	NPT	RA74	5081208SS	25
	3/4"	---	5081212C	---	NPT	RA776	5081212SS	25
	3/4"	BA776	5141212C[1]	5141212CLF[1, 2]	NPT	---	5141212SS[1]	25
	1"	BA78	5081216C	---	---	---	---	10

[1] Has 1/2" female NPT on I.D. of 3/4" male NPT side
[2] NSF®/ANSI 61 certified lead-free brass <=0.25% lead, Alloy C2745

Male GHT x Male BSPT

Male GHT	Male BSPT	Brass Part #	Pkg Qty
3/4"	3/4"	5081212BSPT	25

Male GHT Adapters

Male GHT

Male GHT	Male GHT	Brass		303 Stainless		Pkg Qty
		Previous Part #	Part #	Previous Part #	Part #	
3/4"	3/4"	BA777	5091212C	RA777	5091212SS	25
	1"[1]	509-1612	5091612C	---	---	20

[1] NPSH thread

brass

303 stainless

Female NPTF

Male GHT	Female NPTF	Brass		Lead-Free Brass Part #	Pkg Qty
		Previous Part #	Part #		
3/4"	1/4"	507-1204	5071204C	---	25
	3/8"	507-1206	5071206C	---	25
	1/2"	BA794	5071208C	---	25
	3/4"	BA796	5071212C	5071212CLF[1]	25
	1"	---	5071216C	---	20

brass

Male GHT	Female NPT	303 Stainless		Pkg Qty
		Previous Part #	Part #	
3/4"	1/2"	RA794	5071208SS	25
	3/4"	RA796	5071212SS	25

303 stainless

[1] NSF®/ANSI 61 certified lead-free brass <=0.25% lead, Alloy C2745

Value Proposition

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110 YEARS OF UNCOMMON EXCELLENCE®

Dixon is committed to **delighting our customers** by being the easiest company they do business with every day.

Female GHT Adapters

Feature

- All female GH include washer, 5911212W SBR rubber for standard brass and 5911212WEPDM for lead-free brass

Swivel

Female x Female	Brass		Optional Qty
	Previous Part #	Part #	
3/4" x 3/4"	BA977	5061212C	25
	---	5061212CLF[1]	25

[1] NSF®/ANSI 61 certified lead-free brass <=0.25% lead, Alloy C2745

Female GHT Swivel x Female NPTF

Female GHT x Female NPTF	Brass		Lead-Free Brass Part #	303 Stainless		Pkg Qty
	Previous Part #	Part #		Previous Part #	Part #	
3/4"x 1/2"	BAS974	5021208C	5021208CLF[1]	RAS974	5021208SS[2]	25
3/4" x 3/4"	BAS976	5021212C	5021212CLF[1,]	RAS976	5021212SS[2]	10

[1] NSF®/ANSI 61 certified lead-free brass <=0.25% lead, Alloy C2745
[2] NPT threads

Female GHT Swivel x Male NPTF

Female GHT	Male NPTF	Internal Hex Broach	Brass		Male NPT	303 Stainless		Pkg Qty
			Previous Part #	Part #		Previous Part #	Part #	
3/4"	1/4"	1/4"	504-1204	5041204C	---	---	---	25
	3/8"	3/8"	504-1206	5041206C	---	---	---	25
	1/2"	1/2"	504-1208	5041208C	1/2"	R504-1208	5041208SS	25
	3/4"	1/2"	504-1212	5041212C	3/4"	R504-1212	5041212SS	20

Rigid Female GHT x Male NPTF

Female GHT	Male Thread NPTF	Brass		Male Thread NPT	303 Stainless		Pkg Qty
		Previous Part #	Part #		Previous Part #	Part #	
3/4"	3/8"	BMA973	5031206C	---	---	---	25
	1/2"	BMA974	5031208C	1/2"	RMA974	5031208SS	25
	3/4"	BMA976	5031212C[1]	3/4"	RMA976	5031212SS[2]	25

[1] Has 1/2" female NPTF on I.D. of 3/4" male NPTF side
[2] Has 1/2" female NPT on I.D. of 3/4" male NPT side

Rigid Female GHT x Female NPTF

Female GHT	Female Thread NPTF	Brass		Female Thread NPT	303 Stainless		Pkg Qty
		Previous Part #	Part #		Previous Part #	Part #	
3/4"	1/8"	BA971	5011202C	---	---	---	50
	1/4"	BA972	5011204C	---	---	---	25
	3/8"	BA973	5011206C	---	---	---	25
	1/2"	BA974	5011208C	1/2"	RA974	5011208SS	25
	3/4"	BA976	5011212C	3/4"	RA976	5011212SS	25

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Hose Fittings

Male NPTF x Hose Barb

Feature

- Optional package quantity

brass

316 stainless steel

Hose I.D.	Male NPTF	Brass Part #	Lead-Free Brass[3] Part #	303 Stainless Steel[1] Part #	316 Stainless Steel[1] Part #	Pkg Qty
1/8"	1/8"	1020202C	---	1020202SS	RN11	100
	1/4"	1020204C	---	---	---	100
3/16"	1/8"	1020302C	1020302CLF	1020302SS	RN151	100
	1/4"	1020304C	---	1020304SS	RN152	100
1/4"	1/8"	1020402C	1020402CLF	1020402SS	RN21	100
	1/4"	1020404C	1020404CLF	1020404SS	RN22	100
	3/8"	1020406C	---	1020406SS	RN23	100
	1/2"	1020408C	---	---	---	50
5/16"	1/8"	1020502C	---	1020502SS	RN251	100
	1/4"	1020504C	1020504CLF	1020504SS	RN252	50
	3/8"	1020506C	---	1020506SS	RN253	50
3/8"	1/8"	1020602C	1020602CLF	1020602SS	RN31	100
	1/4"	1020604C	1020604CLF	1020604SS	RN32	100
	3/8"	1020606C	1020606CLF	1020606SS	RN33	50
	1/2"	1020608C	1020608CLF	1020608SS	RN34	25
	3/4"	1020612C	---	1020612SS	---	25
1/2"	1/4"	1020804C	1020804CLF	1020804SS	RN42	50
	3/8"	1020806C	1020806CLF	1020806SS	RN43	50
	1/2"	1020808C	1020808CLF	1020808SS	RN44	25
	3/4"	1020812C	---	1020812SS	RN46	25
5/8"	3/8"	1021006C	---	1021006SS	RN53	50
	1/2"	1021008C	1021008CLF	1021008SS	RN54	25
	3/4"	1021012C	---	1021012SS	RN56	25
3/4"	3/8"	1021206C	---	---	---	25
	1/2"	1021208C	1021208CLF	1021208SS	RN64	25
	3/4"	1021212C	1021212CLF	1021212SS	RN66	20
	1"	1021216C	---	1021216SS[2]	---	25
1"	1/2"	1021608C	---	---	---	20
	3/4"	1021612C	---	1021612SS	RN86	20
	1"	1021616C[2]	---	---	1021616SS[2]	10
	1-1/4"	1021620C[2]	---	---	---	10
1-1/4"	3/4"	1022012C	---	---	---	10
	1"	1022016C[2]	---	---	---	5
1-1/2"	1"	1022416C[2]	---	---	---	5
	1-1/4"	1022420C[2]	---	---	---	5

[1] NPT thread
[2] Capped
[3] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745

Male NPTF x XL Hose Barb

Features

- Extra long shank with additional barbs for better clamping surface; allows for two clamps to be installed
- **250 PSI** at **72°F (22°C)**; **150 PSI** at **-40°F** to **160°F (-40°C** to **71°C)**
- Temperature: **-40°F** to **160°F (-40°C** to **71°C)**

Hose I.D.	C360 Brass Part Number	Male NPTF	Number of Barbs	Pkg Qty
1-1/4"	1022012XL	3/4"	7	5
1-1/4"	1022016XL	1"[1]	7	5
1-1/4"	1022020XL	1-1/4"[1]	7	5
1-1/2"	1022416XL	1"[1]	8	5
1-1/2"	1022420XL	1-1/4"[1]	8	5

[1] Threads are capped

Male NPTF Swivel x Hose Barb

Feature
- Optional package quantity

Hose I.D.	Male NPTF	Brass		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8"	103-0402	1030402C	100
	1/4"	103-0404	1030404C	100
	3/8"	---	1030406C	100
5/16"	1/4"	---	1030504C	100
3/8"	1/4"	103-0604	1030604C	100
	3/8"	103-0606	1030606C	50
1/2"	3/8"	103-0806	1030806C	50
	1/2"	103-0808	1030808C	25
5/8"	1/2"	---	1031008C	25
3/4"	1/4"	---	1031204C	20
	1/2"	---	1031208C	20
	3/4"	103-1212	1031212C	20
1"	1-11-1/2"	103-1616	1031616C[1]	10

[1] Capped threads

NOTE: Swivel for assembly convenience only, not for live swivel applications; maximum operating pressure is **80 PSI**

Male NPTF x Beaded Hose Barb

Hose I.D.	Male NPTF	Brass Part #	Pkg Qty
1/4"	1/8"	268B0402	100
	1/4"	268B0404	100
5/16"	1/8"	268B0502	100
	1/4"	268B0504	50
3/8"	1/8"	268B0602	100
	1/4"	268B0604	100
	3/8"	268B0606	50
1/2"	3/8"	268B0806	50
	1/2"	268B0808	50
5/8"	1/2"	268B1008	25
3/4"	1/2"	268B1208	50
	3/4"	268B1212	25

Hose Fittings

Male BSPT x Hose Barb

Hose I.D.	Male BSPT	Brass		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8"	BN21BSPT	1020402BSPT	100
	1/4"	BN22BSPT	1020404BSPT	100
3/8"	1/4"	BN32BSPT	1020604BSPT	100
	3/8"	BN33BSPT	1020606BSPT	50
	1/2"	BN34BSPT	1020608BSPT	25
1/2"	3/8"	BN43BSPT	1020806BSPT	50
	1/2"	BN44BSPT	1020808BSPT	50
3/4"	3/4"	BN66BSPT	1021212BSPT	25
1"	1"	BN88BSPT	1021616BSPT	10

Female NPTF x Hose Barb

brass

303 stainless steel

Hose I.D.	Female NPTF	Brass		Lead-Free Brass[2] Part #	303 Stainless Steel[1]		Pkg Qty
		Previous Part #	Part #		Previous Part #	Part #	
1/8"	1/8"	BF11	1040202C	---	---	1040202SS	100
	1/4"	BF12	1040204C	---	---	---	100
3/16"	1/8"	BF151	1040302C	---	---	1040302SS	100
	1/4"	BF152	1040304C	---	---	---	100
1/4"	1/8"	BF21	1040402C	---	---	---	100
	1/4"	BF22	1040404C	1040404CLF	BF22SS	1040404SS	100
	3/8"	BF23	1040406C	---	---	---	50
	1/2"	BF24	1040408C	---	---	---	50
5/16"	1/8"	BF251	1040502C	---	---	---	100
	1/4"	BF252	1040504C	---	---	---	100
	3/8"	BF253	1040506C	---	---	---	100
3/8"	1/8"	BF31	1040602C	---	---	---	100
	1/4"	BF32	1040604C	1040604CLF	BF32SS	1040604SS	50
	3/8"	BF33	1040606C	---	BF33SS	1040606SS	50
	1/2"	BF34	1040608C	1040608CLF	---	---	50
	3/4"	BF36	1040612C	---	---	---	25
1/2"	1/4"	BF42	1040804C	---	---	---	50
	3/8"	BF43	1040806C	---	---	---	50
	1/2"	BF44	1040808C	1040808CLF	BF44SS	1040808SS	50
	3/4"	BF46	1040812C	---	---	---	25
5/8"	3/8"	BF53	1041006C	---	---	---	50
	1/2"	BF54	1041008C	---	---	---	25
	3/4"	BF56	1041012C	---	---	---	25
3/4"	1/2"	BF64	1041208C	---	---	---	25
	3/4"	BF66	1041212C	---	---	---	20
1"	3/4"	BF86	1041612C	---	---	---	20
	1"	BF88	1041616C	1041616CLF	---	---	10
1-1/4"	1"	BF108	1042016C	---	---	---	10

[1] NPT threads
[2] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745

Hose Fittings

Female NPSM Swivel x Hose Barb Ball Seat

Hose I.D.	Female NPSM	Brass		Pkg Qty
		Previous Part #	Part #	
1/8"	1/8"	BFS11	1240202K	100
3/16"	1/8"	BFS151	1240302K	100
	1/4"	BFS152	1240304K	100
1/4"	1/8"	BFS21	1240402K	100
	1/4"	BFS22	1240404K	100
	3/8"	BFS23	1240406K	100
5/16"	1/4"	BFS252	1240504K	100
	3/8"	BFS253	1240506K	50
3/8"	1/4"	BFS32	1240604K	100
	3/8"	BFS33	1240606K	100
	1/2"	BFS34	1240608K	100
1/2"	3/8"	BFS43	1240806K	50
	1/2"	BFS44	1240808K	100
3/4"	3/4"	BFS66	1241212K	50

Female NPSM Swivel x Hose Barb Gasket Seat

Hose I.D.	Female NPSM	Brass		Pkg Qty
		Previous Part #	Part #	
1/8"	1/8"	126-0202	1260202C	100
3/16"	1/8"	126-0302	1260302C	100
	1/4"	126-0304	1260304C	100
1/4"	1/8"	126-0402	1260402C	100
	1/4"	126-0404	1260404C	100
	3/8"	126-0406	1260406C	100
5/16"	1/4"	126-0504	1260504C	100
3/8"	1/4"	126-0604	1260604C	100
	3/8"	126-0606	1260606C	50
	1/2"	126-0608	1260608C	50
1/2"	3/8"	126-0806	1260806C	50
	1/2"	126-0808	1260808C	50
3/4"	3/4"	126-1212	1261212C	25

NOTE: Parts include 80 duro neoprene washer

Barbed Hose Menders (Splicers)

Hose I.D.	Lead-Free Brass[1] Part #	Brass		Pkg Qty
		Previous Part #	Part #	
1/8"	---	BM1	1780202C	100
3/16"	---	BM15	1780303C	100
1/4" x 1/8"	---	BM2-1	1780402C	100
1/4"	1780404CLF	BM2	1780404C	100
5/16"	---	BM25	1780505C	100
3/8" x 1/4"	---	BM3-2	1780604C	100
3/8"	1780606CLF	BM3	1780606C	100
1/2 x 1/4"	---	---	1780804C	50
1/2" x 3/8"	---	BM4-3	1780806C	50
1/2"	1780808CLF	BM4	1780808C	50
5/8" x 3/8"	---	BM5-3	1781006C	50
5/8" x 1/2"	---	BM5-4	1781008C	50
5/8"	---	BM5	1781010C	50
3/4" x 1/2"	---	BM6-4	1781208C	25
3/4"	---	BM6	1781212C	25
1" x 3/4"	---	---	1781612C	10
1"	---	BM8	1781616C	10

[1] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745

Hose Fittings

Male NPTF x Hose Barb 90° Elbow

Hose I.D.	Male NPTF	Brass		Lead-Free Brass[2, 3] Part #	Pkg Qty
		Previous Part #	Part #		
3/16"	1/8"	EL15H1M	1290302C	---	50
1/4"	1/8"	EL2H1M	1290402C	---	50
	1/4"	EL2H2M	1290404C	1290404CLF	50
	3/8"	EL2H3M	1290406C	---	50
5/16"	1/8"	EL25H1M	1290502C	---	25
	1/4"	EL25H2M	1290504C	---	50
	3/8"	EL25H3M	1290506C	---	50
3/8"	1/8"	EL3H1M	1290602C	---	50
	1/4"	EL3H2M	1290604C	1290604CLF	50
	3/8"	EL3H3M	1290606C	1290606CLF	50
	1/2"	EL3H4M	1290608C	---	25
1/2"	1/4"	EL4H2M	1290804C	---	50
	3/8"	EL4H3M	1290806C	---	50
	1/2"	EL4H4M	1290808C	---	25
5/8"	3/8"	EL5H3M	1291006C	---	25
	1/2"	EL5H4M	1291008C	---	25
3/4"	1/2"	EL6H4M	1291208C	---	25
	3/4"	EL6H6M	1291212C	---	25
1"	3/4"	EL8H6M	1291612C	---	10
	1"	EL8H8M	1291616C[1]	---	10

[1] Capped
[2] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[3] NPT thread

Hose I.D.	Male NPT	316 Stainless Steel		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8"	EL2H1MSS	1290402SS	50
	1/4"	EL2H2MSS	1290404SS	50
3/8"	1/4"	EL3H2MSS	1290604SS	50
	3/8"	EL3H3MSS	1290606SS	50
1/2"	1/4"	EL4H2MSS	1290804SS	50
	3/8"	EL4H3MSS	1290806SS	50
	1/2"	EL4H4MSS	1290808SS	25
3/4"	1/2"	EL6H4MSS	1291208SS	25
	3/4"	EL6H6MSS	1291212SS	25
1"	1"	---	1291616SS	10

Female NPTF x Hose Barb 90° Elbow

Hose I.D.	Female NPTF	Brass		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8"	134-0402	1340402C	50
	1/4"	134-0404	1340404C	50
3/8"	1/4"	134-0604	1340604C	50
	3/8"	134-0606	1340606C	50
1/2"	1/4"	134-0804	1340804C	25
	3/8"	134-0806	1340806C	25
	1/2"	134-0808	1340808C	25
3/4"	3/4"	134-1212	1341212C	25

Hose Fittings

Barbed 90° Elbow Splicers

Hose I.D.	Brass		304 Stainless Steel		Pkg Qty
	Previous Part #	Part #	Previous Part #	Part #	
1/8"	177-0202	1770202C	---	---	25
3/16"	177-0303	1770303C	---	---	25
1/4" x 1/8"	177-0402	1770402C	---	---	25
1/4"	177-0404	1770404C	177-0404SS	1770404SS	25
5/16"	177-0505	1770505C	---	---	25
3/8" x 1/4"	177-0604	1770604C	---	---	25
3/8"	177-0606	1770606C	177-0606SS	1770606SS	25
1/2" x 3/8"	177-0806	1770806C	---	---	25
1/2"	177-0808	1770808C	177-0808SS	1770808SS	25
5/8"	177-1010	1771010C	---	---	25
3/4" x 1/2"	177-1208	1771208C	---	---	25
3/4"	177-1212	1771212C	---	---	25

brass

304 stainless steel

Barbed Tee Splicers

Hose I.D.	Brass		Lead-Free Brass Part #	Pkg Qty
	Previous Part #	Part #		
1/8"	179-0202	1790202C	---	25
3/16"	179-0303	1790303C	---	100
1/4" x 1/8"	179-0402	1790402C	---	25
1/4"	179-0404	1790404C	1790404CLF	25
5/16"	179-0505	1790505C	---	25
3/8" x 1/4"	179-0604	1790604C[1]	---	25
3/8" x 1/4"	---	1790604BARB	---	25
3/8"	179-0606	1790606C	1790606CLF	25
1/2" x 3/8"	179-0806	1790806C	---	25
1/2"	179-0808	1790808C	---	25
5/8"	179-1010	1791010C	---	25
3/4" x 1/2"	179-1208	1791208C	---	25
3/4"	179-1212	1791212C	---	20
1"	---	1791616C	---	10

[1] Drop leg has 1/4"-18 male NPTF thread

brass

brass with male NPTF

lead-free brass

Hose I.D.	304 Stainless Steel		Pkg Qty
	Previous Part #	Part #	
1/4"	179-0404SS	1790404SS	25
3/8"	179-0606SS	1790606SS	25
1/2"	179-0808SS	1790808SS	25

304 stainless steel

Hose Fittings

Male NPTF x Hose Barb 45° Elbow

Hose I.D.	Male NPTF	Brass		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8"	139-0402	1390402C	100
	1/4"	139-0404	1390404C	25
3/8"	1/8"	139-0602	1390602C	100
	1/4"	139-0604	1390604C	100
	3/8"	139-0606	1390606C	25
1/2"	1/4"	139-0804	1390804C	25
	3/8"	139-0806	1390806C	25
	1/2"	139-0808	1390808C	25
3/4"	1/2"	139-1208	1391208C	25

Male 45° SAE x Hose Barb

Hose I.D.	Tube O.D.	Male UNF	Brass		Pkg Qty
			Previous Part #	Part #	
3/16"	1/4"	7/16" – 20	142-0307	1420307C	100
1/4"	1/4"	7/16" – 20	142-0407	1420407C	100
	3/8"	5/8" – 18	142-0410	1420410C	100
5/16"	5/16"	1/2" – 20	142-0508	1420508C	100
3/8"	3/8"	5/8" – 18	142-0610	1420610C	50
	1/2"	3/4" – 16	142-0612	1420612C	50
1/2"	1/2"	3/4" – 16	142-0812	1420812C	50

Female 45° SAE/37° JIC Swivel x Hose Barb

Hose I.D.	Tube O.D.	Female UNF	Brass		Pkg Qty
			Previous Part #	Part #	
3/16"	1/4"	7/16" – 20	143-0307	1430307K	100
1/4"	1/4"	7/16" – 20	143-0407	1430407K	100
	5/16"	1/2" – 20	143-0408	1430408K	100
5/16"	5/16"	1/2" – 20	143-0508	1430508K	50
3/8"	1/2"	3/4" – 16	143-0612	1430612K	100
1/2"	1/2"	3/4" – 16	143-0812	1430812K	100
	5/8"	7/8" – 14	143-0814	1430814K	50

Hose Fittings

Female 45° SAE Swivel x Hose Barb

Hose I.D.	Tube O.D.	Female UNF	Brass		Pkg Qty
			Previous Part #	Part #	
3/16"	3/16"	3/8" – 24	144-0306	1440306K	100
1/4"	3/8"	5/8" – 18	144-0410	1440410K	100
5/16"	3/8"	5/8" – 18	144-0510	1440510K	100
3/8"	3/8"	5/8" – 18	144-0610	1440610K	100
1/2"	1/2"	3/4" – 16	144-0812	1440812K	100
3/4"	3/4"	1-1/16" – 14	144-1217	1441217K[1]	25

[1] Notch in nut for SAE identification

Female 37° JIC Swivel x Hose Barb

Hose I.D.	Tube O.D.	Female UNF	Brass		Pkg Qty
			Previous Part #	Part #	
3/8"	3/8"	9/16" – 18	145-0609	1450609K	100
3/4"	3/4"	1-1/16" – 12	145-1217	1451217K	25

Female PTF-SAE Short Swivel x Hose Barb[1]

Hose I.D.	Female PTF-SAE Short	Brass		Pkg Qty
		Previous Part #	Part #	
1/4"	1/4"	105-0404	1050404C	50
	3/8"	---	1050406C	100
5/16"	1/4"	---	1050504C	50
3/8"	1/4"	105-0604	1050604C	50
	3/8"	105-0606	1050606C	50
1/2"	3/8"	105-0806	1050806C	50
	1/2"	105-0808	1050808C	25
3/4"	1/2"	---	1051208C	25

[1] Swivel is for assembly convenience only, not for live swivel application; operational **PSI** is **80**

Hose Fittings

Brass Ferrules for Air and Fluid

Feature

- Sold in package quantities only

BFM

BFL

Ferrule I.D.	Ferrule Length	End Hole Size	Metal Gauge	Stnd Ind Part #	Bore/Crimp Diameter[1]	Previous Part #	Brass Part #	Pkg Qty
.478"	.688"	.328"	.024"	4750	0.450	2004750C	BFM478	50
.500"	1"	.344"	.024"	7322	0.475	2005005C	BFM500	50
.528"	1"	.375"	.024"	7323	0.500	2005255C	BFM525	50
.528"	1"	.438"	.024"	7324	0.500	2005310C	BFM531	50
.562"	1"	.438"	.024"	7325	0.525	2005620C	BFM562	50
.593"	1"	.438"	.024"	7326	0.550	2005930C	BFM593	50
.625"	1"	.438"	.024"	7327	0.575	2006255C	BFM625	50
.656"	1"	.438"	.024"	7328	0.600	2006560C	BFM656	50
.687"	1"	.500"	.024"	7329	0.625	2006900C	BFM687	50
.718"	1"	.625"	.024"	7330	0.675	2007180C	BFM718	50
.718"	1"	.500"	.024"	7330B	0.675	---	BFM718B	50
.750"	1"	.625"	.024"	7331	0.700	2007505C	BFM750	50
.750"	1"	.500"	.024"	7331B	0.700	---	BFM750B	50
.781"	1"	.625"	.024"	7332	0.725	2007810C	BFM781	50
.781"	1"	.500"	.024"	7332B	0.725	---	BFM781B	50
.812"	1"	.625"	.024"	7333	0.750	2008120C	BFM812	50
.380"	.500"	.266"	.016"	622	0.350	---	BFL380	50
.400"	.469"	.266"	.020"	619	0.375	2004000C	BFL400	50
.410"	.500"	.266"	.016"	620	0.375	---	BFL410	50
.450"	.469"	.344"	.016"	769	0.425	2004530C	BFL450	50
.500"	.500"	.344"	.016"	624	0.450	2005000C	BFL500	50
.525"	.500"	.344"	.016"	625	0.475	2005250C	BFL525	50
.548"	.484"	.375"	.016"	626	0.500	2005500C	BFL548	50
.564"	.750"	.375"	.019"	3588	0.525	---	BFL564	50
.575"	.484"	.469"	.019"	KK	0.525	---	BFL575	50
.600"	.500"	.500"	.019"	JJ	0.550	---	BFL600	50
.625"	.500"	.500"	.019"	II	0.575	2006250C	BFL625	50
.650"	.500"	.500"	.019"	HH	0.600	2006500C	BFL650	50
.675"	.516"	.500"	.019"	GG	0.625	2006750C	BFL675	50
.725"	.531"	.500"	.019"	EE	0.675	2007250C	BFL725	50
.750"	.531"	.500"	.019"	DD	0.675	2007500C	BFL750	50
.775"	.531"	.500"	.016"	CC	0.700	2007750C	BFL775	50

[1] Plain die bore diameter can be used as crimp spec ±.005

NOTE: For use with crimpers and ribbed and plain dies on pages 447-450

Brass Ferrules for Fluid

Feature

- Sold in package quantities only

BFMW

Ferrule I.D.	Ferrule Length	End Hole Size	Metal Gauge	Stnd Ind Part #	Ribbed Die*	Plain Die*	Bore/ Crimp Diameter[1]	Previous Part #	Brass Part #	Pkg Qty
.800"	.844"	.688"	.024"	---	R28	P29	0.750	---	BF800	25
.825"	.844"	.688"	.024"	---	R27	P28	0.775	---	BF825	25
.850"	.563"	.688"	.019"	Z	R26	P27	0.800	---	BF850	25
.875"	.844"	.688"	.024"	7244A	R25	P26	0.825	2008750C	BFW875	25
.900"	.844"	.688"	.024"	5029A	R24	P25	0.850	---	BFW900	25
.937"	.844"	.688"	.024"	7242A	R23	P24	0.875	2009250C	BFW925	25
.975"	.844"	.688"	.024"	5028A	R21	P22	0.925	2009750C	BFW975	25
1.025"	.844"	.693"	.024"	7114A	R19	P20	0.975	2001025C	BFW1025	25
1.175"	.844"	.875"	.024"	7088A	R13	P14	1.125	2001175C	BFW1175	25
1.050"	.625"	.750"	.025"	3605	R18	P19	1.000	---	BFMW1050	25
1.100"	.844"	.812"	.024"	5027A	R16	P17	1.050	2001100C	BFMW1100	25
1.150"	.844"	.875"	.024"	7104A	R15	P15	1.100	2009950C	BFMW1150	25
1.225"	.875"	.875"	.025"	875-K	R11	P12	1.175	2001225C	BFMW1225	25
1.275"	.875"	1.000"	.025"	875-I	R9	P10	1.225	---	BFMW1275	25
1.400"	.687"	1.125"	.019"	D	R4	P5	1.350	---	---	25
1.500"	.875"	1.125"	.025"	1500	---	P1	1.450	2001500C	BFMW1500	25

[1] Plain die bore diameter can be used as crimp spec ±.005

NOTE: For use with crimpers and ribbed and plain dies on pages 447-450

Ribbed and Plain Dies

Ferrule I.D.	Stnd Ind Part #	Bore/Crimp Diameter[1]	Ribbed Die	Plain Die
.478"	4750	0.450	R41	P42
.500"	7322	0.475	R40	P40
.528"	7323	0.500	R39	P39
.528"	7324	0.500	R39	P39
.562"	7325	0.525	R37	P38
.593"	7326	0.550	R36	P37
.625"	7327	0.575	R35	P36
.656"	7328	0.600	R34	P35
.687"	7329	0.625	R33	P34
.718"	7330	0.675	R31	P32
.718"	7330B	0.675	R31	P32
.750"	7331	0.700	R30	P31
.750"	7331B	0.700	R30	P31
.781"	7332	0.725	R29	P30
.781"	7332B	0.725	R29	P30
.812"	7333	0.750	R28	P29
.380"	622	0.350	R44	P45
.400"	619	0.375	R44	P44
.410"	620	0.375	R43	P44
.450"	769	0.425	R41	P42
.500"	624	0.450	R40	P41
.525"	625	0.475	R39	P40
.548"	626	0.500	R38	P39
.564"	3588	0.525	R37	P38
.575"	KK	0.525	R37	P38
.600"	JJ	0.550	R36	P37
.625"	II	0.575	R35	P36
.650"	HH	0.600	R34	P35
.675"	GG	0.625	R34	P34
.725"	EE	0.675	R31	P32
.750"	DD	0.675	R30	P32
.775"	CC	0.700	R31	P31
.800"	---	0.750	R28	P29
.825"	---	0.775	R27	P28
.850"	Z	0.800	R26	P27
.875"	7244A	0.825	R25	P26
.900"	5029A	0.850	R24	P25
.937"	7242A	0.875	R23	P24
.975"	5028A	0.925	R21	P22
1.025""	7114A	0.975	R19	P20
1.175"	7088A	1.125	R13	P14
1.050"	3605	1.000	R18	P19
1.100"	5027A	1.050	R16	P17
1.150"	7104A	1.100	R15	P15
1.225"	875-K	1.175	R11	P12
1.275"	875-I	1.225	R9	P10
1.400"	D	1.350	R4	P5
1.500"	1500	1.450	---	P1

P29

R28

[1] Plain die bore diameter can be used as crimp spec ±.005

NOTE: Dies for use with 5111A and 1765A ferrule machines on page 448

Manually-Operated Brass Ferrule Crimper

Sizes
- Height: 27" with handle upright
- Base: 8" x 3"
- Body: 7-3/8"

Features
- Crimps all brass ferrules shown on page 448
- Does not include dies
- Dies for ferrule machines are available in standard sets for all ferrules as tabulated
- (4 segments to a set), supplied with plain or ribbed crimping surface

Part #
5111A

Air-Operated Brass Ferrule Crimper

Application
- Provides efficient mass production assembly of hose, ferrules, and fittings

Features
- The foot pedal permits the use of both hands, reduces fatigue, and speeds production
- Complete with air cylinder, ferrule machine (less dies), fitted hose lengths, and necessary control valves
- Ready for workbench installation
- Crimps all brass ferrules shown on page 448

Part #
1765A

NOTE: Die sizes for ferrules and machine numbers 1765A and 5111A are on page 447.

Small Hose Crimpers

Application
- Hose crimper provides "big tool" crimping advantages at a fraction of the cost

Feature
- Rugged, portable, and easy to use

Specifications
- 855 crimper with (5) dies for 31/64" (0.484") to 45/64" (0.703") O.D. hose
- 855A crimper with (5) dies for 28/64" (0.437") to 43/64" (0.671") O.D. hose
- Optional dies up to 52/64" O.D. available

Previous Part #	Part #
200FC	855
---	855A

Small Hose Crimper Dies

Die Bore	Hose O.D.		Crimper # 855	Crimper # 855A	Previous Part #	Die Part #
	from	to				
.375"	.385"	.406"	optional	optional	200FC3	856-10
.437"	.447"	.468"	optional	standard	---	856-7
.484"	.490"	.520"	standard	standard	200FC4A	856-4
.531"	.540"	.562"	standard	standard	200FC4B	856-3
.578"	.590"	.625"	standard	standard	200FC5	856-2
.625"	.640"	.671"	standard	standard	200FC6A	856-1
.687"	.690"	.710"	standard	optional	200FC6B	856-5
.750"	.760"	.781"	optional	optional	200FC8A	856-8
.812"	.820"	.843"	optional	optional	200FC8B	856-9

NOTE: Dies for use with brass ferrules on page 446.

Large Hose Crimper

Application
- For crimping 1/2" to 1" I.D. hoses with larger O.D.s, from 11/16" to 1-1/2"

Features
- Crimps standard brass ferrules
- Order separate dies for each hose diameter
- Dies sold separately

Crimper Part #
860

Large Hose Crimper Dies

Hose O.D./ Finished Crimp Dimension	Hose O.D.		Die Part #
	From	To	
11/16"	.687"	.765"	861-22
23/32"	.718"	.796"	861-23
3/4"	.750"	.828"	861-24
25/32"	.781"	.860"	861-25
13/16"	.812"	.890"	861-26
27/32"	.843"	.921"	861-27
7/8"	.875"	.953"	861-28
29/32"	.906"	.985"	861-29
15/16"	.937"	1.010"	861-30
31/32"	.968"	1.040"	861-31
1"	1.000"	1.070"	861-32
1-1/32"	1.031"	1.110"	861-33
1-1/16"	1.062"	1.114"	861-34
1-1/8"	1.125"	1.208"	861-36
1-3/16"	1.187"	1.265"	861-38
1-1/4"	1.250"	1.321"	861-40
1-5/16"	1.312"	1.390"	861-42
1-3/8"	1.375"	1.453"	861-44
1-7/16"	1.437"	1.551"	861-46
1-1/2"	1.500"	1.578"	861-48

NOTE: Dies for use with brass ferrules on page 446.

Push-On Hose Barb Fittings

Assembly Instructions

1. Trim hose end with smooth square cut
2. Lubricate either push-on fitting, hose, or both.
3. Insert push-on fitting into hose until first barb is in hose.
4. Place end of fitting against a flat object (bench, wall, etc.) and grip the hose one inch from end. Push with a steady force until end of hose is covered by yellow plastic cap.

Disassembly Instructions

1. Leaving push-on fitting in place, make a 1" cut in the hose along the barbed end of the fitting. Note: Be careful not to nick barbs when cutting the hose.
2. With firm grip on hose, give a sharp downward pull to release the fitting from the hose.

- Intended for use with Lok-On (push-on style) hose only
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in with the cut end of the hose completely concealed by the plastic cap.

Male NPTF x Hose Barb

Hose I.D.	Male NPTF	Brass		Pkg Qty	Brass Cap Option	Pkg Qty	Lead-Free Brass[1]	Pkg Qty
		Previous Part #	Part #		Part #		Part #	
1/4"	1/8"	BPN21	2720402C	100	2720402CBC	100	2720402CLF	100
	1/4"	BPN22	2720404C	100	2720404CBC	100	2720404CLF	100
	3/8"	BPN23	2720406C	50	2720406CBC	50	---	---
5/16"	1/8"	BPN251	2720502C	100	---	---	---	---
	1/4"	BPN252	2720504C	50	---	---	---	---
3/8"	1/8"	BPN31	2720602C	100	2720602CBC	100	---	---
	1/4"	BPN32	2720604C	50	2720604CBC	50	2720604CLF	50
	3/8"	BPN33	2720606C	50	2720606CBC	50	2720606CLF	50
	1/2"	BPN34	2720608C	25	2720608CBC	25	---	---
	3/4"	BPN36	2720612C	25	2720612CBC	25	---	---
1/2"	1/4"	BPN42	2720804C	25	2720804CBC	25	---	---
	3/8"	BPN43	2720806C	25	2720806CBC	25	2720806CLF	50
	1/2"	BPN44	2720808C	50	2720808CBC	50	2720808CLF	25
	3/4"	BPN46	2720812C	50	2720812CBC	50	---	---
5/8"	3/8"	BPN53	2721006C	25	2721006CBC	25	---	---
	1/2"	BPN54	2721008C	25	2721008CBC	25	---	---
	3/4"	BPN56	2721012C	25	2721012CBC	25	---	---
3/4"	1/2"	BPN64	2721208C	25	2721208CBC	25	---	---
	3/4"	BPN66	2721212C	25	2721212CBC	25	---	---
1"	3/4"	BPN86	2721612C	10	---	---	---	---
	1"	BPN88	2721616C[2]	10	---	---	---	---

brass

brass cap

Hose I.D.	Male NPT	303 Stainless Steel		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8"	RPN21	2720402SS	100
	1/4"	RPN22	2720404SS	100
3/8"	1/4"	RPN32	2720604SS	50
	3/8"	RPN33	2720606SS	50
1/2"	1/4"	RPN42	2720804SS	25
	3/8"	RPN43	2720806SS	50
	1/2"	RPN44	2720808SS	25
3/4"	1/2"	RPN64	2721208SS	25
	3/4"	RPN66	2721212SS	20
1"	1"	RPN88	2721616SS[2]	5

303 stainless steel

[1] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745

[2] Capped

NOTE: Refer to page 454 for push-on garden hose thread fittings.
Optional package quantity offered.

Male NPTF Swivel x Hose Barb

Hose I.D.	Male NPTF	Brass		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8"	271-0402	2710402C	100
	1/4"	271-0404	2710404C	50
3/8"	1/4"	271-0604	2710604C	50
	3/8"	271-0606	2710606C	50
1/2"	3/8"	271-0806	2710806C	25
	1/2"	271-0808	2710808C	20
3/4"	3/4"	271-1212	2711212C	10

NOTE: Swivel for assembly convenience only, not for live swivel applications; operational **PSI** is **80.**

Push-On Hose Barb Fittings

Application
- Intended for use with Lok-On (push-on style) hose only

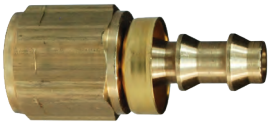
Features
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in with the cut end of the hose completely concealed by the plastic cap

Male NPTF x Hose Barb 90° Elbow

Hose I.D.	Male NPTF	Brass		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8" – 27	273-0402	2730402C	100
	1/4" – 18	273-0404	2730404C	50
3/8"	1/8" – 27	273-0602	2730602C	50
	1/4" – 18	273-0604	2730604C	50
	3/8" – 18	273-0606	2730606C	25
1/2"	3/8" – 18	273-0806	2730806C	25
	1/2" – 14	273-0808	2730808C	25
3/4"	1/2" – 14	273-1208	2731208C	10
	3/4" – 14	273-1212	2731212C	10

Female NPTF x Hose Barb

Feature
- Refer to page 454 for push-on garden hose thread fittings



brass cap

Hose I.D.	Female NPTF	Brass		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8"	BPF21	2740402C	100
		---	2740402CBC[1]	100
	1/4"	BPF22	2740404C	50
		---	2740404CBC[1]	50
	3/8"	BPF23	2740406C	50
		---	2740406CBC[1]	50
5/16"	1/8"	BPF251	2740502C	100
	1/4"	BPF252	2740504C	50
3/8"	1/8"	BPF31	2740602C	50
		---	2740602CBC[1]	50
	1/4"	BPF32	2740604C	50
		---	2740604CBC[1]	50
	3/8"	BPF33	2740606C	50
		---	2740606CBC[1]	50
	1/2"	BPF34	2740608C	50
	3/4"	BPF36	2740612C	25
1/2"	1/4"	BPF42	2740804C	50
	3/8"	BPF43	2740806C	50
		---	2740806CBC[1]	50
	1/2"	BPF44	2740808C	25
		---	2740808CBC[1]	25
	3/4"	BPF46	2740812C	25
		---	2740812CBC[1]	25
5/8"	3/8"	BPF53	2741006C	25
	1/2"	BPF54	2741008C	25
		---	2741008CBC[1]	25
	3/4"	BPF56	2741012C	20
3/4"	1/2"	BPF64	2741208C	25
	3/4"	BPF66	2741212C	25
		---	2741212CBC[1]	25
1"	3/4"	BPF86	2741612C	10
	1"	BPF88	2741616C	10

[1] Brass cap on CBC part numbers

Push-On Hose Barb Fittings

Application

- Intended for use with Lok-On (push-on style) hose only

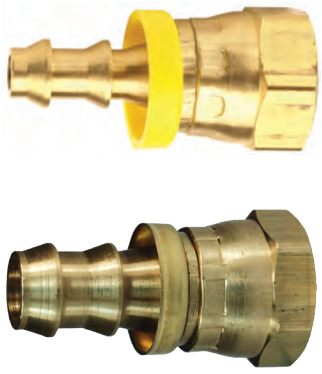
Features

- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in with the cut end of the hose completely concealed by the plastic cap

Female NPSM Swivel x Hose Barb Ball Seat

Hose I.D.	Female NPSM	Brass		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8"	BPFS21	2780402C	100
	1/4"	BPFS22	2780404C	50
		---	2780404CBC[1]	50
	3/8"	BPFS23	2780406C	50
		---	2780406CBC[1]	50
3/8"	1/4"	BPFS32	2780604C	50
		---	2780604CBC[1]	50
	3/8"	BPFS33	2780606C	50
		---	2780606CBC[1]	50
	1/2"	BPFS34	2780608C	25
1/2"	1/2"	BPFS44	2780808C	25
		---	2780808CBC[1]	25
	3/4"	BPFS46	2780812C	25
5/8"	3/4"	BPFS56	2781012C	20
3/4"	3/4"	BPFS66	2781212C	20
		---	2781212CBC[1]	---

[1] Brass cap on CBC part numbers



brass cap

Female NPSM Swivel x Hose Barb Gasket Seat

Hose I.D.	Female NPSM	Brass		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8"	280-0402	2800402C	100
	1/4"	280-0404	2800404C	100
3/8"	1/4"	280-0604	2800604C	50
		---	2800604CBC[1]	50
	3/8"	280-0606	2800606C	50
	1/2"	280-0608	2800608C	50
1/2"	1/2"	280-0808	2800808C	25
5/8"	1/2"	280-1008	2801008C	25
3/4"	3/4"	280-1212	2801212C	20

[1] Brass cap on CBC part numbers

NOTE: Parts include 80 duro neoprene washer.

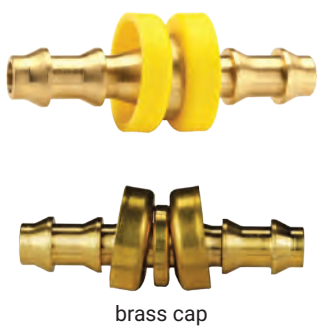
brass cap

Hose Menders

Hose I.D.	Brass		303 Stainless Steel		Pkg Qty
	Previous Part #	Part #	Previous Part #	Part #	
1/4"	BPM2	2960404C	SSPM2	2960404SS	100
	---	2960404CBC[1]	---	---	100
5/16"	BPM25	2960505C	---	---	100
3/8"	BPM3	2960606C	SSPM3	2960606SS	50
	---	2960606CBC[1]	---	---	50
1/2"	BPM4	2960808C	SSPM4	2960808SS	50
	---	2960808CBC[1]	---	---	50
5/8"	BPM5	2961010C	---	---	20
	---	2961010CBC[1]	---	---	20
3/4"	BPM6	2961212C	---	---	15
	---	2961212CBC[1]	---	---	15
1"	BPM8	2961616C	---	---	10

[1] Brass cap on CBC part numbers

NOTE: For Tuff-Lite® hose menders in nylon and polypropelyne see page 380.



brass cap

Push-On Hose Barb Fittings

Application
- Intended for use with Lok-On (push-on style) hose only

Features
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in with the cut end of the hose completely concealed by the plastic cap

Lok-On Male Garden Hose Fittings

Hose I.D.	GHT Thread	Brass	
		Previous Part #	Part #
1/2"	3/4"	572-0812	5720812C
5/8"	3/4"	572-1012	5721012C
3/4"	3/4"	572-1212	5721212C

Lok-On Female Swivel Garden Hose Fittings

Hose I.D.	GHT Thread	Brass	
		Previous Part #	Part #
1/2"	3/4"	574-0812	5740812C
5/8"	3/4"	574-1012	5741012C
3/4"	3/4"	574-1212	5741212C

Lok-On Garden Hose Fitting Sets

Feature
- Washer included, part # 5911212W on page 423

Hose I.D.	GHT Thread	Brass	
		Previous Part #	Part #
1/2"	3/4"	575-0808	5750808K
5/8"	3/4"	575-1010	5751010K
3/4"	3/4"	575-1212	5751212K

SAE Thread Size to UNF Thread Size Interchange

SAE Thread Number	SAE Tube O.D.	UNF Thread Size	SAE Thread Number	SAE Tube O.D.	UNF Thread Size
02	1/8"	5/16" – 24	07	7/16"	11/16" – 24
03	3/16"	3/8" – 24	08	1/2"	3/4" – 16
04	1/4"	7/16" – 20	10	5/8"	7/8" – 14
05	5/16"	1/2" – 20	12	3/4"	1-1/16" – 14
06	3/8"	5/8" – 18	---	---	---

brass cap

Male 45° SAE Swivel x Hose Barb

Hose I.D.	Tube O.D.	Male UNF	Brass		Pkg Qty
			Previous Part #	Part #	
1/4"	1/4"	7/16" – 20	282-0407	2820407C	100
			---	2820407CBC[2]	100
	5/16"	1/2" – 20	282-0408	2820408C	100
			---	2820408CBC[2]	100
3/8"	3/8"	5/8" – 18[1]	282-0610	2820610C	50
			---	2820610CBC[2]	100
1/2"	1/2"	3/4" – 16	282-0812	2820812C	50
5/8"	5/8"	7/8" – 14	282-1014	2821014C	25
3/4"	3/4"	1-1/16" – 14[1]	282-1217	2821217C	20
			---	2821217CBC[2]	20

[1] Notch in nut for SAE identification
[2] Brass cap on CBC part numbers

Push-On Hose Barb Fittings

Application
- Intended for use with Lok-On (push-on style) hose only

Features
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in with the cut end of the hose completely concealed by the plastic cap

Female 45° SAE Swivel x Hose Barb

Features
- Notch in nut for SAE identification
- SAE thread size to UNF thread size interchange chart on previous page

Hose I.D.	Tube O.D.	Female UNF	Brass		Pkg Qty
			Previous Part #	Part #	
1/4"	3/8"	5/8" – 18	284-0410	2840410C	50
			---	2840410CBC[1]	
5/16"	3/8"	5/8" – 18	284-0510	2840510C	50
3/8"	3/8"	5/8" – 18	284-0610	2840610C	50
			---	2840610CBC[1]	
3/4"	3/4"	1-1/16" – 14	284-1217	2841217C	25
			---	2841217CBC[1]	

[1] Brass cap on CBC part numbers

brass cap

JIC Thread Size to UNF Thread Size Interchange

JIC Thread Number	JIC Tube O.D.	UNF Thread Size	JIC Thread Number	JIC Tube O.D.	UNF Thread Size
02	1/8"	5/16" – 24	12	3/4"	1-1/16" – 12
03	3/16"	3/8" – 24	14	7/8"	1-3/16" – 12
04	1/4"	7/16" – 20	16	1"	1-5/16" – 12
05	5/16"	1/2" – 20	20	1-1/4"	1-5/8" – 12
06	3/8"	9/16" – 18	24	1-1/2"	1-7/8" – 12
08	1/2"	3/4" – 16	28	1-3/4"	2-1/4" – 12
10	5/8"	7/8" – 14	32	2"	2-1/2" – 12

Male 37° JIC x Hose Barb

Hose I.D.	Tube O.D.	Male UNF	Brass		Pkg Qty
			Previous Part #	Part #	
1/4"	1/4"	7/16" – 20	286-0407	2860407C	100
			---	2860407CBC[2]	
	5/16"	1/2" – 20	286-0408	2860408C	50
	3/8"	9/16" – 18	286-0409	2860409C	100
			---	2860409CBC[2]	
3/8"	3/8"	9/16" – 18	286-0609	2860609C	50
			---	2860609CBC[2]	
1/2"	1/2"	3/4" – 16	286-0812	2860812C	25
			---	2860812CBC[2]	
5/8"	5/8"	7/8" – 14	286-1014	2861014C	25
3/4"	3/4"	1-1/16" – 12	286-1217	2861217C[1]	10

[1] UN Thread
[2] Brass cap on CBC part numbers

brass cap

Push-On Hose Barb Fittings

Application

- Intended for use with Lok-On (push-on style) hose only

Features

- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in with the cut end of the hose completely concealed by the plastic cap

plastic cap

brass cap

stainless steel

brass

303 stainless steel

Female 45° SAE/37° JIC Swivel x Hose Barb

Hose I.D.	Tube O.D.	Female UNF	Brass		Pkg Qty
			Previous Part #	Part #	
1/4"	1/4"	7/16" – 20	287-0407	2870407C	100
			---	2870407CBC[1]	100
	5/16"	1/2" – 20	287-0408	2870408C	100
			---	2870408CBC[1]	100
3/8"	5/16"	1/2" – 20	287-0608	2870608C	25
	1/2"	3/4" – 16	287-0612	2870612C	25
			---	2870612CBC[1]	25
1/2"	1/2"	3/4" – 16	287-0812	2870812C	25
			---	2870812CBC[1]	25
	5/8"	7/8" – 14	287-0814	2870814C	25
			---	2870814CBC[1]	25
5/8"	5/8"	7/8" – 14	287-1014	2871014C	25
			---	2871014CBC[1]	25
3/4"	5/8"	7/8" – 14	287-1214	2871214C	25
			---	2871214CBC[1]	25

Hose I.D.	Tube O.D.	Female UNF	303 Stainless Steel	
			Previous Part #	Part #
1/4"	1/4"	7/16" – 20	287-0407SS	2870407SS
1/2"	1/2"	3/4" – 16	287-0812SS	2870812SS

[1] Brass cap on CBC part numbers

Female 37° JIC Swivel x Hose Barb

Hose I.D.	Tube O.D.	Female UNF	Brass		Pkg Qty
			Previous Part #	Part #	
1/4"	3/8"	9/16" – 18	288-0409	2880409C	50
			---	2880409CBC[1]	50
5/16"	3/8"	9/16" – 18	288-0509	2880509C	50
3/8"	3/8"	9/16" – 18	288-0609	2880609C	50
			---	2880609CBC[1]	100
1/2"	3/8"	9/16" – 18	288-0809	2880809C	25
3/4"	3/4"	1-1/16" – 12 [2]	288-1217	2881217C	10
			---	2881217CBC[1]	10
1"	1"	1-5/16" – 12 [2]	288-1621	2881621C[3]	10

[1] Brass cap on CBC part numbers

Hose I.D.	Tube O.D.	Female UNF	303 Stainless Steel	
			Previous Part #	Part #
3/8"	3/8"	9/16" – 18	288-0609SS	2880609SS
3/4"	3/4"	1-1/16" – 12[2]	288-1217SS	2881217SS
1"	1"	1-5/16" – 12[2]	288-1621SS	2881621SS[3]

[2] UN Thread
[3] Parts are dual angle 37/45°

Female 37° JIC/45° SAE Swivel x 90° Elbow

Hose I.D.	Tube O.D.	Female UNF	Plated Steel		Pkg Qty
			Previous Part #	Part #	
1/4"	1/4"	7/16" – 20	289-0407	2890407C[2]	25
			289-0407SAE	2890407CSAE[1]	25
3/8"	3/8"	9/16" – 18	289-0609	2890609C[2]	25
		5/8" – 18	289-0610SAE	2890610CSAE[1]	25
1/2"	1/2"	3/4" – 16	289-0812	2890812C[2]	25
3/4"	3/4"	1-1/16" – 12[3]	289-1217	2891217C[2]	25

[1] Notch in nut for SAE identification
[2] JIC only, may substitute dual angle
[3] UN thread

Push-On Hose Barb Fittings

Application
- Intended for use with Lok-On (push-on style) hose only

Features
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in with the cut end of the hose completely concealed by the plastic cap

Male SAE Inverted Flare Swivel x Hose Barb

Hose I.D.	Tube O.D.	Male UNF	Brass		Pkg Qty
			Previous Part #	Part #	
1/4"	3/16"	3/8" – 24	290-0406	2900406C	100
			---	2900406CBC[2]	100
	1/4"	7/16" – 24[1]	290-0407	2900407C	100
			---	2900407CBC[2]	100
	5/16"	1/2" – 20	290-0408	2900408C	100
			---	2900408CBC[2]	100
5/16"	5/16"	1/2" – 20	290-0508	2900508C	50
	3/8"	5/8" – 18	290-0510	2900510C	50
3/8"	5/16"	1/2" – 20	290-0608	2900608C	100
	3/8"	5/8" – 18	290-0610	2900610C	50
			---	2900610CBC[2]	50
1/2"	1/2"	3/4" – 18[1]	290-0812	2900812C	50
5/8"	5/8"	7/8" – 18[1]	290-1014	2901014C	25

brass cap

[1] UNS thread
[2] Brass cap on CBC part numbers

Female SAE Inverted Flare Rigid x Hose Barb

Hose I.D.	Tube O.D.	Female UNF	Brass		Pkg Qty
			Previous Part #	Part #	
1/4"	3/16"	3/8" – 24	292-0406	2920406C	100
			---	2920406CBC[2]	100
	1/4"	7/16" – 24[1]	292-0407	2920407C	100
			---	2920407CBC[2]	100
	5/16"	1/2" – 20	292-0408	2920408C	100
			---	2920408CBC[2]	100
5/16"	5/16"	1/2" – 20	292-0508	2920508C	100
3/8"	5/16"	1/2" – 20	292-0608	2920608C	100
	3/8"	5/8" – 18	292-0610	2920610C	50
			---	2920610CBC[2]	50
1/2"	1/2"	3/4" – 18[1]	292-0812	2920812C	25

[1] UNS Thread
[2] Brass cap on CBC part numbers

Rigid Tube x Hose Barb

Hose I.D.	Tube O.D.	Brass		303 Stainless Steel		Pkg Qty
		Previous Part #	Part #	Previous Part #	Part #	
1/4"	3/16"	294-0403	2940403C	---	---	100
		---	2940403CBC[1]	---	---	100
	1/4"	294-0404	2940404C	294-0404SS	2940404SS	100
		---	2940404CBC[1]	---	---	100
	5/16"	294-0405	2940405C	---	---	100
3/8"	3/8"	294-0606	2940606C	294-0606SS	2940606SS	50
1/2"	1/2"	294-0808	2940808C	294-0808SS	2940808SS	50
5/8"	5/8"	294-1010	2941010C	---	---	25
3/4"	3/4"	294-1212	2941212C	294-1212SS	2941212SS	25

[1] Brass cap on CBC part numbers

Push-On Fittings Tool

Size
- Overall size is 13-1/2" long x 2-1/2" wide x 7-1/2" height

Features
- Cuts push-on style hose and inserts the fitting
- Built-in cutter slices through 1/4" - 3/4" I.D. reinforced push-on hose without fraying
- Clamp hose into tool vice and apply light pressure on handle to drive in the fitting
- Handle is triple reinforced to eliminate handle from bending during use
- All component parts and assembly are made in the U.S.

Specification
- Tool has four 7/16" diameter mounting holes for bench mounting

Installation Instructions

1. To cut your hose, retract the handle, place the hose in the cutter area and pull the handle.
2. After cutting the hose to the desired length, place the hose under the cam handle locking it in place with the hose end aligned with the appropriate mark on the label.
3. Place the barbed end of the fitting against the end of the hose and then pull the handle forward to complete the installation.

Size	Part #
1/4" - 3/4"	272AT

Caution: Push-on fittings will properly grip push-on hose only when pushed all the way in with the cut end of the hose completely concealed by the plastic cap.

Hose Assembly Tool

Application
- Installs 1/4", 5/16", and 3/8" hose fittings

Features
- Lightweight, portable, comfortable cushioned grip
- Economical

Part #
HHCI

Yellow Lok-on Caps

Application
- Intended for use with Lok-On (push-on style) hose only

Features
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in with the cut end of the hose completely concealed by the plastic cap

Hose I.D.	Plastic Part #	Pkg Qty
1/4"	2720400W	25
5/16"	2720500W	100
3/8"	2720600W	25
1/2"	2720800W	25
5/8"	2721000W	25
3/4"	2721200W	25
1"	2721600W	5

NOTE: Sold in package quantities only.

Reusable Fittings

⚠WARNING

Except as specifically noted as to a specific fitting, NO hose fittings manufactured and/or sold by any Dixon® company can be safely used in life-dependency applications such as diving, for oxygen, air, or other breathing applications. Our fittings are NOT designed and NOT recommended for such use and should NOT BE USED for that purpose. Use of non-approved hose fittings in such applications can result in death or grave personal injuries.

Application
- Recommended for low-pressure air hose

Features
- Durable, easily repaired hose connection
- Caution: check hose O.D. and I.D. accurately before ordering ⚠

Specification
- Maximum working pressure: **250 PSI** at ambient temperature **70°F (21°C)**

Male Stem and Ferrule Set – Unassembled

Hose I.D.	Hose O.D.	Male NPTF	Brass		Pkg Qty
			Previous Part #	Part #	
1/4"	1/2"	1/8"	BN21RU50	1834082K	100
	9/16"		BN21RU56	1834092K	100
	5/8"		BN21RU62	1834102K	100
	1/2"	1/4"	BN22RU50	1834084K	50
	9/16"		BN22RU56	1834094K	50
	5/8"		BN22RU62	1834104K	50
	1/2"	3/8"	BN23RU50	1834086K	50
	9/16"		BN23RU56	1834096K	50
	5/8"		BN23RU62	1834106K	50
5/16"	9/16"	1/4"	BN252RU56	1835094K	50
	5/8"		BN252RU62	1835104K	50
	11/16"		BN252RU68	1835114K	50
	9/16"	3/8"	BN253RU56	1835096K	50
	5/8"		BN253RU62	1835106K	50
	11/16"		BN253RU68	1835116K	50
3/8"	5/8"	1/4"	BN32RU62	1836104K	50
	11/16"		BN32RU68	1836114K	50
	3/4"		BN32RU75	1836124K	50
	5/8"	3/8"	BN33RU62	1836106K	50
	11/16"		BN33RU68	1836116K	50
	3/4"		BN33RU75	1836126K	50
	5/8"	1/2"	BN34RU62	1836108K	50
	11/16"		BN34RU68	1836118K	50
	3/4"		BN34RU75	1836128K	50
1/2"	7/8"	1/4"	BN42RU87	1838144K	25
	15/16"		BN42RU93	1838154K	25
	1"		BN42RU99	1838164K	25
	7/8"	3/8"	BN43RU87	1838146K	25
	15/16"		BN43RU93	1838156K	25
	1"		BN43RU99	1838166K	25
	7/8"	1/2"	BN44RU87	1838148K	20
	15/16"		BN44RU93	1838158K	20
	1"		BN44RU99	1838168K	20

Hose I.D.	Hose O.D.	Male NPT	303 Stainless Steel		Pkg Qty
			Previous Part #	Part #	
1/4"	1/2"	1/4"	BN22RU50SS	1834084KSS	50
	9/16"		BN22RU56SS	1834094KSS	50
	5/8"		BN22RU62SS	1834104KSS	50
3/8"	5/8"	1/4"	BN32RU62SS	1836104KSS	50
	11/16"		BN32RU68SS	1836114KSS	50
	5/8"	3/8"	BN33RU62SS	1836106KSS	50
	11/16"		BN33RU68SS	1836116KSS	50
1/2"	7/8"	1/2"	BN44RU87SS	1838148KSS	20
	15/16"		BN44RU93SS	1838158KSS	20

Reusable Fittings

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Swivel Stems

Hose I.D.	Female NPSM	Brass Part #	Optional Qty
1/4"	1/4" – 18	1840404A	50
	3/8" – 18	1840406A	50
5/16"	1/4" – 18	1840504A	50
3/8"	1/4" – 18	1840604A	50
	3/8" – 18	1840606A	50
1/2"	1/2" – 14	1840808A	25

Female Swivel Stem and Ferrule Set – Unassembled

Hose I.D.	Hose O.D.	Female NPSM	Brass		Optional Qty
			Previous Part #	Part #	
1/4"	1/2"	1/4"	185-4084	1854084K	50
	9/16"		185-4094	1854094K	50
	5/8"		185-4104	1854104K	50
	1/2"	3/8"	185-4086	1854086K	50
	9/16"		185-4096	1854096K	50
	5/8"		185-4106	1854106K	50
5/16"	9/16"	1/4"	185-5094	1855094K	50
	5/8"		185-5104	1855104K	50
	11/16"		185-5114	1855114K	50
3/8"	5/8"	1/4"	185-6104	1856104K	50
	11/16"		185-6114	1856114K	50
	3/4"		185-6124	1856124K	50
	5/8"	3/8"	185-6106	1856106K	50
	11/16"		185-6116	1856116K	50
	3/4"		185-6126	1856126K	50
1/2"	7/8"	1/2"	185-8148	1858148K	20
	15/16"		185-8158	1858158K	20
	1"		185-8168	1858168K	20

Splicer Stems

Hose I.D.	Brass Part #	Optional Qty
1/4"	1860404S	100
3/8"	1860606S	50

Hose Splicers – Unassembled

Hose I.D.	Hose O.D.	Brass		Optional Qty
		Previous Part #	Part #	
1/4"	1/2"	187-0408	1870408K	50
	9/16"	187-0409	1870409K	50
	5/8"	187-0410	1870410K	50
3/8"	5/8"	187-0610	1870610K	25
	11/16"	187-0611	1870611K	25
	3/4"	187-0612	1870612K	25

Reusable Fittings

⚠WARNING

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Ferrules

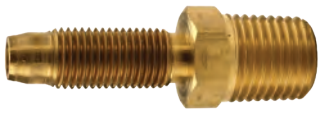
Hose I.D.	Hose O.D.	Brass Part #	303 Stainless Steel Part #	Opt Qty
1/4"	1/2"	1800408F	1800408FSS	100
	9/16"	1800409F	1800409FSS	50
	5/8"	1800410F	1800410FSS	50
5/16"	9/16"	1800509F	---	100
	5/8"	1800510F	---	50
	11/16"	1800511F	---	50
3/8"	5/8"	1800610F	1800610FSS	50
	11/16"	1800611F	1800611FSS	50
	3/4"	1800612F	---	50
1/2"	7/8"	1800814F	1800814FSS	25
	15/16"	1800815F	1800815FSS	25
	1"	1800816F	---	20

brass

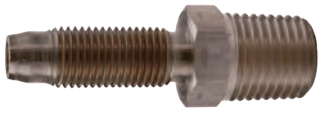
303 stainless steel

Male Stems

Hose I.D.	Male NPTF Thread	Brass Part #	303 Stainless Steel[1] Part #	Opt Qty
1/4"	1/8"	1820402S	---	100
	1/4"	1820404S	1820404SS	100
	3/8"	1820406S	---	50
5/16"	1/4"	1820504S	---	50
	3/8"	1820506S	---	50
3/8"	1/4"	1820604S	1820604SS	100
	3/8"	1820606S	1820606SS	50
	1/2"	1820608S	---	25
1/2"	1/4"	1820804S	---	50
	3/8"	1820806S	---	50
	1/2"	1820808S	1820808SS	25



brass



303 stainless steel

[1] NPT threads

Pipe Fittings

Reducer Coupling Adapters

Feature
- Ref SAE 130138

Female NPTF	Brass		Optional Qty	Lead-Free Brass[1, 2] Part #
	Previous Part #	Part #		
1/4" x 1/8"	RC2F1F	3770402C	50	---
3/8" x 1/8"	RC3F1F	3770602C	50	---
3/8" x 1/4"	RC3F2F	3770604C	50	---
1/2" x 1/4"	RC4F2F	3770804C	25	---
1/2" x 3/8"	RC4F3F	3770806C	10	3770806CLF
3/4" x 3/8"	RC6F3F	3771206C	10	---
3/4" x 1/2"	RC6F4F	3771208C	10	3771208CLF
1" x 1/2"	---	3771608C	10	---
1" x 3/4"	---	3771612C	10	---

1 NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745
2 Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

Female Hex Couplings

Feature
- Ref SAE 130138

brass

316 stainless steel

NPTF	Brass		Pkg Qty	Lead-Free Brass[1, 2] Part #	316 Stainless Steel[3] Part #
	Previous Part #	Part #			
1/8" x 1/8"	BA1F1F	3710202C	25	3710202CLF	3710202SS
1/4" x 1/4"	BA2F2F	3710404C	25	3710404CLF	3710404SS
3/8" x 3/8"	BA3F3F	3710606C	25	3710606CLF	3710606SS
1/2" x 1/2"	BA4F4F	3710808C	25	3710808CLF	3710808SS[4]
3/4" x 3/4"	BA6F6F	3711212C	10	---	3711212SS
1" x 1"	---	3711616C	10	---	3711616SS

1 NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745
2 Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
3 NPT threads
4 Package quantity is 10

Reducer Hex Bushings

Feature
- Ref SAE 130140

brass

316 stainless steel

Male NPTF	Female NPTF	Brass		Opt Qty	Lead-Free Brass[3] Part #	316 Stainless Steel Part #[5]
		Previous Part #	Part #			
1/4"	1/8"	HB1F2M	3730402C	100	3730402CLF[2]	3730402SS
3/8"	1/8"	HB1F3M	3730602C	100	---	3730602SS
	1/4"	HB2F3M	3730604C	100	3730604CLF[2]	3730604SS
1/2"	1/8"	HB1F4M	3730802C	25	---	3730802SS
	1/4"	HB2F4M	3730804C	50	3730804CLF[2]	3730804SS
	3/8"	HB3F4M	3730806C	50	3730806CLF[2]	3730806SS
3/4"	1/8"	HB1F6M	3731202C[1]	25	---	---
	1/4"	HB2F6M	3731204C	25	3731204CLF[4, 5]	3731204SS
	3/8"	HB3F6M	3731206C	25	3731206CLF[4, 5]	3731206SS
	1/2"	HB4F6M	3731208C	25	3731208CLF[2]	3731208SS
1"	1/4"	HB2F8M	3731604C[1]	10	---	3731604SS
	3/8"	HB3F8M	3731606C[1]	10	3731606CLF[4, 5]	3731606SS
	1/2"	HB4F8M	3731608C	10	3731608CLF[4, 5]	3731608SS
	3/4"	HB6F8M	3731612C	10	3731612CLF[4, 5]	3731612SS

1 SAE does not provide a standard for these sizes
2 NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745
3 Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
4 Lead-free per NSF72
5 NPT threads

Pipe Fittings

Female NPTF x Male NPTF Adapters

Feature
- Ref SAE 130139

Female NPTF	Male NPTF	Brass		Opt Qty	Lead-Free Brass[1, 2] Part #	316 Stainless Steel[3] Part #	Pkg Qty
		Previous Part #	Part #				
1/8"	1/8"	RA1F1M	3750202C	100	---	---	---
1/4"	1/8"	RA2F1M	3750402C	50	3750402CLF	3750402SS	50
	1/4"	RA2F2M	3750404C	50	3750404CLF	3750404SS	50
3/8"	1/8"	RA3F1M	3750602C	50	---	3750602SS	50
	1/4"	RA3F2M	3750604C	50	---	3750604SS	50
	3/8"	RA3F3M	3750606C	50	---	3750606SS	50
1/2"	1/4"	RA4F2M	3750804C	25	---	3750804SS	25
	3/8"	RA4F3M	3750806C	25	---	3750806SS	25
	1/2"	RA4F4M	3750808C	25	3750808CLF	3750808SS	10
3/4"	3/8"	RA6F3M	3751206C	10	---	3751206SS	10
	1/2"	RA6F4M	3751208C	10	---	3751208SS	10
	3/4"	RA6F6M	3751212C	10	3751212CLF	3751212SS	10
1"-11-1/2	1/2" – 14	---	3751608C	5	---	3751608SS	5
	3/4" – 14	---	3751612C	5	---	3751612SS	5
	1"-11-1/2	---	---	---	---	3751616SS	5

brass

316 stainless steel

[1] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT threads

Female NPTF x Male NPSM Adapters

Female NPTF	Male NPSM	Brass		Optional Qty
		Previous Part #	Part #	
1/4"	1/4"	174-0404	1740404C	100
3/8"	3/8"	174-0606	1740606C	50
1/2"	1/2"	174-0808	1740808C	50

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

Close Pipe Nipples

NPT	Brass		Optional Qty	Lead-Free Brass[1, 2] Part #
	Previous Part #	Part #		
1/8"	165-0202	1650202C	50	---
1/4"	165-0404	1650404C	50	1650404CLF
3/8"	165-0606	1650606C	100	1650606CLF
1/2"	165-0808	1650808C	25	1650808CLF
3/4"	165-1212	1651212C	25	1651212CLF
1"	165-1616	1651616C	25	---
1-1/2"	---	CN150B	5	---
2"	---	CN200B	5	---
3"	---	CN300B	5	---

[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

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

Pipe Fittings

Long Pipe Nipples

Feature

- Carbon steel and stainless steel nipples are available on page 941

NPT	Length	Brass		Optional Qty
		Previous Part #	Part #	
1/8"	1-1/2"	166-0215	1660215C	25
	2"	166-0220	1660220C	25
	2-1/2"	166-0225	1660225C	25
	3"	166-0230	1660230C	25
	3-1/2"	166-0235	1660235C	10
	4"	166-0240	1660240C	10
1/4"	1-1/2"	166-0415	1660415C	25
	2"	166-0420	1660420C	25
	2-1/2"	166-0425	1660425C	25
	3"	166-0430	1660430C	25
	3-1/2"	166-0435	1660435C	10
	4"	166-0440	1660440C	10
	5"	166-0450	1660450C	5
3/8"	1-1/2"	166-0615	1660615C	25
	2"	166-0620	1660620C	25
	2-1/2"	166-0625	1660625C	10
	3"	166-0630	1660630C	10
	3-1/2"	166-0635	1660635C	10
	4"	166-0640	1660640C	5
1/2"	1-1/2"	166-0815	1660815C	10
	2"	166-0820	1660820C	10
	2-1/2"	166-0825	1660825C	10
	3"	166-0830	1660830C	10
	3-1/2"	166-0835	1660835C	10
	4"	166-0840	1660840C	5
3/4"	2"	166-1220	1661220C	5
	2-1/2"	166-1225	1661225C	5
	3"	166-1230	1661230C	5
	3-1/2"	166-1235	1661235C	5
1"	2"	---	TN100X2B	---
	3"	---	TN100X3B	---
	4"	---	TN100X4B	---
1-1/2"	2"	---	TN150X2B	---
	3"	---	TN150X3B	---
2"	3"	---	TN200X3B	---
	4"	---	TN200X4B	---
	6"	---	TN200X6B	---

Hex Nipples

Feature

- Ref SAE 130137

NPTF	Brass		Optional Qty	Lead-Free Brass[1, 2] Part #
	Previous Part #	Part #		
1/8" x 1/8"	BCN12	3700202C	100	3700202CLF
1/4" x 1/4"	BCN25	3700404C	100	3700404CLF
3/8" x 3/8"	BCN37	3700606C	50	3700606CLF
1/2" x 1/2"	BCN50	3700808C	25	3700808CLF
3/4" x 3/4"	BCN75	3701212C	20	---
1" x 1"	BCN100	3701616C	10	---

[1] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745

[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

Pipe Fittings

Reducer Hex Nipples

Feature
- Ref SAE 130137

Male NPTF	Brass		Optional Qty
	Previous Part #	Part #	
1/4" x 1/8"	HN2M1M	3790402C	100
3/8" x 1/8"	HN3M1M	3790602C	50
3/8" x 1/4"	HN3M2M	3790604C	50
1/2" x 1/4"	HN4M2M	3790804C	50
1/2" x 3/8"	HN4M3M	3790806C	50
3/4" x 1/2"	HN6M4M	3791208C	25
1" x 3/4"	---	3791612C	10

Ball Seat to Male Pipe Adapters

NPSM	NPTF	Brass		Optional Qty
		Previous Part #	Part #	
1/8"	1/8"	BSM11	1720202C	100
1/4"	1/8"	BSM21	1720402C	100
	1/4"	BSM22	1720404C	100
3/8"	1/4"	BSM32	1720604C	100
	3/8"	BSM33	1720606C	50
	1/2"	BSM34	1720608C	50
1/2"	3/8"	BSM43	1720806C	50
	1/2"	BSM44	1720808C	25
3/4"	3/4"	BSM66	1721212C	25

Male Unions

NPSM	NPSM	Brass		Pkg Qty
		Previous Part #	Part #	
1/8"	1/8"	176-0202	1760202C	100
1/4"	1/4"	176-0404	1760404C	100
3/8"	3/8"	176-0606	1760606C	100
1/2"	1/2"	176-0808	1760808C	50

90° Female Pipe Elbows

Feature
- Ref SAE 130238

Female NPTF	Extruded Brass		Opt Qty	Lead-Free Brass[1, 2, 3, 4] Part #	316 Stainless Steel[3] Part #
	Previous Part #	Part #			
1/8"	EL1F1F	3020202C	25	---	3020202SS
1/4"	EL2F2F	3020404C	25	---	3020404SS
3/8"	EL3F3F	3020606C	25	3020606CLF	3020606SS
1/2"	EL4F4F	3020808C[4]	25	3020808CLF	3020808SS[5]
3/4"	EL6F6F	3021212C[4]	10	---	3021212SS
1"	---	---	---	---	3021616SS

brass

lead-free brass

316 stainless steel

[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT thread
[4] Product shape may vary
[5] Package quantity is 10

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

Pipe Fittings

brass

lead-free brass

316 stainless steel

90° Street Elbows

Feature
- Ref SAE 130239

Female NPTF	Male NPTF	Extruded Brass		Opt Qty	Forged Lead-Free Brass[1, 2, 3] Part #	316 Stainless Steel[3] Part #
		Previous Part #	Part #			
1/8"	1/8"	SE1F1M	3040202C[4]	25	3040202CLF[4]	3040202SS
1/4"	1/8"	SE2F1M	3040402C	25	---	---
	1/4"	SE2F2M	3040404C[4]	25	3040404CLF	3040404SS
3/8"	1/4"	SE3F2M	3040604C	25	---	---
	3/8"	SE3F3M	3040606C[4]	25	3040606CLF	3040606SS
1/2"	3/8"	SE4F3M	3040806C	25	---	---
	1/2"	SE4F4M	3040808C[4]	25	3040808CLF	3040808SS[5]
3/4"	1/2"	SE6F4M	3041208C	25	---	---
	3/4"	SE6F6M	3041212C[4]	10	---	3041212SS
1"	1"	---	---	---	---	3041616SS

1 Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
2 Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
3 NPT thread
4 Product shape may vary
5 10 per package

brass

316 stainless steel

90° Male Pipe Elbows

Male NPTF	Forged Brass		Opt Qty	316 Stainless Steel Part #[1]	Opt Qty
	Previous Part #	Part #			
1/8"	169-0202	1690202C	25	1690202SS	25
1/4"	169-0404	1690404C	25	1690404SS	25
3/8"	169-0606	1690606C	25	1690606SS	25
1/2"	169-0808	1690808C	25	1690808SS	25
3/4"	---	---	---	1691212SS	10
1"	---	---	---	1691616SS	5

1 NPT thread

brass

316 stainless steel

NPT Threaded 45 Elbows

Feature
- Ref SAE 130339

Female NPTF	Male NPTF	Extruded Brass		Opt Qty	316 Stainless Steel[1] Part #
		Previous Part #	Part #		
1/8"	1/8"	306-0202	3060202C	25	3060202SS
1/4"	1/4"	306-0404	3060404C	25	3060404SS
3/8"	3/8"	306-0606	3060606C	25	3060606SS
1/2"	1/2"	306-0808	3060808C	25	3060808SS[2]
3/4"	3/4"	306-1212	3061212C	10	3061212SS
1"-11-1/2	1"-11-1/2	---	---	---	3061616SS

1 NPT thread
2 10 per package

NPTF 45° Female Pipe Elbows

Female NPTF	Brass Part #	Pkg Qty
1/8"	3080202C	25
1/4"	3080404C	25
3/8"	3080606C	25
1/2"	3080808C	25

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

Pipe Fittings

NPT 45° Female Pipe Elbows

Female NPT	316 Stainless Steel Part #	Opt Qty
1/8"	3080202SS	25
1/4"	3080404SS	25
3/8"	3080606SS	25
1/2"	3080808SS	10
3/4"	3081212SS	10

Female Tees

Feature
- Ref SAE 130438

NPTF Thread	Extruded Brass		Opt Qty	Forged Lead-Free Brass[1, 2, 3] Part #	316 Stainless Steel[3] Part #	Opt Qty
	Previous Part #	Part #				
1/8"	322-0202	3220202C[4]	25	---	3220202SS	25
1/4"	322-0404	3220404C[4]	25	3220404CLF	3220404SS	25
3/8"	322-0606	3220606C	25	3220606CLF	3220606SS	25
1/2"	322-0808	3220808C[4]	25	---	3220808SS	10
3/4"	322-1212	3221212C	10	---	3221212SS	10
1"	---	---	---	---	3221616SS	5

[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Drinking Water Act (SDWA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT thread
[4] Product shape may vary

extruded brass

lead-free brass

316 stainless steel

Male NPT Tees

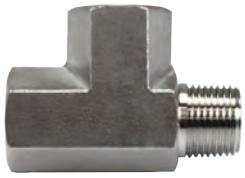
NPT Thread	316 Stainless Steel Part #	Opt Qty
1/8"	3280202SS	25
1/4"	3280404SS	25
3/8"	3280606SS	25
1/2"	3280808SS	10
3/4"	3281212SS	10
1"	3281616SS	5

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

Pipe Fittings

Street Tees

brass



316 stainless steel

Feature
- Ref SAE 130424

Female NPTF	Male NPTF	Extruded Brass		Opt Qty	316 Stainless Steel[1] Part #	Opt Qty
		Previous Part #	Part #			
1/8"	1/8"	326-0202	3260202C	25	3260202SS	25
1/4"	1/4"	326-0404	3260404C[2]	25	3260404SS	25
3/8"	3/8"	326-0606	3260606C	25	3260606SS	25
1/2"	1/2"	326-0808	3260808C	25	3260808SS	10
3/4"	3/4"	326-1212	3261212C	10	3261212SS	5
1"	1"	---	---	---	3261616SS	5

[1] NPT thread
[2] Product shape may vary

Male Branch Tees

brass

316 stainless steel

Feature
- Ref SAE 130425

NPTF	Extruded Brass		Opt Qty	316 Stainless Steel[2] Part #	Opt Qty
	Previous Part #	Part #			
1/8"	324-0202	3240202C	25	3240202SS	25
1/4"	324-0404	3240404C[1]	25	3240404SS	25
3/8"	324-0606	3240606C	25	3240606SS	25
1/2"	324-0808	3240808C	25	3240808SS	10
3/4"	324-1212	3241212C	10	3241212SS	10
1"	---	---	---	3241616SS	5

[1] Product shape may vary
[2] NPT thread

Pipe Crosses

brass

316 stainless steel

Female NPTF	Extruded Brass		Opt Qty	316 Stainless Steel[1] Part #	Opt Qty
	Previous Part #	Part #			
1/8"	228-0202	2280202C	25	2280202SS	25
1/4"	228-0404	2280404C	25	2280404SS	25
3/8"	228-0606	2280606C	25	2280606SS	10
1/2"	228-0808	2280808C	10	2280808SS	10
3/4"	228-1212	2281212C	10	2281212SS	5
1"	---	---	5	2281616SS	5

[1] NPT thread

NPTF Pipe Caps

Feature
- Lead-free per NSF/ANSI 372

Female NPTF	Lead-Free Brass[1, 2] Part #	Optional Qty
1/8"	2130200CLF	50
1/4"	2130400CLF	100
3/8"	2130600CLF	25
1/2"	2130800CLF	25
3/4"	2131200CLF	25
1"	2131600CLF	10

[1] Lead-free Brass <=.25% lead, Alloy C2745
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

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

Pipe Fittings

NPT Threaded Square Head Plugs

Features
- Brass plugs are solid
- Lead-free brass per NSF/ANSI 372

Male NPF-SAE	Lead-Free Brass 260/270 Part #	Optional Qty
1/8"	2110200C	100
1/4"	2110400C	100
3/8"	2110600C	25
1/2"	2110800C	25
3/4"	2111200C	25
1"	2111600C	10

Hex Head Plugs

NPTF	Brass		Pkg Qty	Lead-Free Brass[1, 2] Part #	316 Stainless Steel[3] Part #
	Previous Part #	Part #			
1/8"	HHP1M	1630200C	50	1630200CLF	1630200SS
1/4"	HHP2M	1630400C	100	1630400CLF	1630400SS
3/8"	HHP3M	1630600C	25	1630600CLF	1630600SS
1/2"	HHP4M	1630800C	25	1630800CLF	1630800SS
3/4"	HHP6M	1631200C	25	1631200CLF	1631200SS
1"	HHP8M	1631600C	10	1631600CLF	1631600SS

brass

316 stainless steel

[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT thread

NOTE: Standard brass hex head plug is hollow; lead-free brass and stainless steel are solid.

Hex Socket Plugs

Feature
- Lead-free brass per NSF/ANSI 372

NPTF	Lead-Free Brass 260/270		Opt Qty	316 Stainless Steel[1] Part #
	Previous Part #	Part #		
1/8"	219-0200	2190200C	50	2190200SS
1/4"	219-0400	2190400C	100	2190400SS
3/8"	219-0600	2190600C	25	2190600SS
1/2"	219-0800	2190800C	25	2190800SS
3/4"	219-1200	2191200C	25	2191200SS
1"	---	2191600C	10	2191600SS

brass

316 stainless steel

[1] NPT thread

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

Grease Whip Hose Assemblies

Application
- For use with hand grease guns only

Features
- One-piece crimp couplings
- Add "S" to order carbon steel strain relief spring option

Specifications
- 1/8" – 27 male NPT, solid base (0010260C)
- Working pressure: **3000 PSI**

Approval
- US-manufactured 3/16" I.D. hose - exceeds SAE 100R1-AT

Assembly Length	Brass		Strain Relief Option
	Previous Part #	Part #	
8"	GWH-0800	GWH0800	GWH0800S
12"	GWH-1200	GWH1200	GWH1200S
	---	GWH1200R[1]	---
18"	GWH-1800	GWH1800	GWH1800S
	---	GWH1800R[1]	---
24"	GWH-2400	GWH2400	GWH2400S
36"	GWH-3600	GWH3600	GWH3600S
48"	GWH-4800	GWH4800	GWH4800S
60"	GWH-6000	GWH6000	---

[1] Retail packaging

Grease Whip Hose Fittings

Features
- 0010055C, 0010260C, and 0010860C are designed to be crimped to 3/16" I.D. hose
- GWHC and GWHC-FF mate with Zerk fittings on the coupler side

Grease Hose Couplers

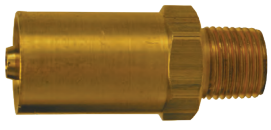
Description	Zinc Plated Steel		Opt Qty
	Previous Part #	Part	
1/8" – 27 female NPT thread, grease hose coupler with ball check – valved shutoff	GWH-C	GWHC	25
1/8" – 27 female NPT thread, full flow grease hose coupler	---	GWHC-FF	25

NOTE: Add 'R' suffix to part number for retail pack option.

Male NPT Thread – Chamfered Base

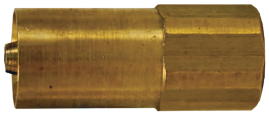
Description	Brass		Opt Qty
	Previous Part #	Part #	
1/8" – 27 male NPT thread, drilled and chamfered base	001-0055	0010055C	100

Male NPT Thread – Solid Base



Description	Brass		Opt Qty
	Previous Part #	Part #	
1/8" – 27 male NPT thread, solid base	001-0260	0010260C	100

Female NPT Thread



Description	Brass		Opt Qty
	Previous Part #	Part #	
1/8" – 27 female NPT thread	001-0860	0010860C	100

Grease Whip Fittings – Zerk

Straight

Thread	Description	Overall Length	Thread Length	Hex	Zinc Plated Steel Part #	Pkg Qty
1/8" – 27 NPT	straight	.660"	.260"	.430	GWHZ000	100
1/4" – 28 tapered SAE-LT	straight	.530"	.200"	.312	GWHZ400	100

45°

Thread	Description	Overall Length	Thread Length	Hex	Zinc Plated Steel Part #	Pkg Qty
1/8" – 27 NPT	45°	.860"	.280"	.430	GWHZ045	100
1/4" – 28 tapered SAE-LT	45°	.800"	.200"	.375	GWHZ445	100

90°

Thread	Description	Overall Length	Thread Length	Hex	Zinc Plated Steel Part #	Pkg Qty
1/8" – 27 NPT	90°	.830"	.310"	.430	GWHZ090	100
1/4" – 28 tapered SAE-LT	90°	1.20"	.200"	.375	GWHZ490	100

Grease Whip Fittings – Zerk Retail Packaged

NOTE: All items sold in retail packets of 10: Order 1 for 1 retail pack of 10 pieces.

Straight

Thread	Description	Overall Length	Thread Length	Hex	Zinc Plated Steel Part #
1/8" – 27 NPT	straight	.660"	.260"	.430	GWHZ000R
1/4" – 28 tapered SAE-LT	straight	.530"	.200"	.312	GWHZ400R

45°

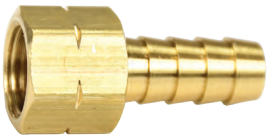
Thread	Description	Overall Length	Thread Length	Hex	Zinc Plated Steel Part #
1/8" – 27 NPT	45°	.860"	.280"	.430	GWHZ045R
1/4" – 28 tapered SAE-LT	45°	.800"	.200"	.375	GWHZ445R

90°

Thread	Description	Overall Length	Thread Length	Hex	Zinc Plated Steel Part #
1/8" – 27 NPT	90°	.830"	.310"	.430	GWHZ090R
1/4" – 28 tapered SAE-LT	90°	1.20"	.200"	.375	GWHZ490R

Oxy-Acetylene Hose Couplings

Acetylene Couplings



Feature
- Left-hand thread for acetylene line x hose shank

Approval
- Parts meet CGA-E-1 standards

Specification
- Maximum **200 PSI**

Hose Size	Left UNF Thread	Hex	Brass		
			Previous Part #	CGA #	Part #
3/16"	3/8" – 24	7/16"	OA69	021	1540306K
	9/16" – 18	11/16"	OA70	023	1540309K
1/4"	9/16" – 18	11/16"	OA71	023	1540409K
5/16"	9/16" – 18	11/16"	OA72	023	1540509K
3/8"	9/16" – 18	11/16"	OA73	023	1540609K

Oxygen Couplings

Feature
- Right-hand thread for oxygen line x hose shank

Hose Size	Right UNF Thread	Hex	Brass		
			Previous Part #	CGA #	Part #
3/16"	3/8" – 24	7/16"	OA59	020	1520306K
	9/16" – 18	11/16"	OA60	022	1520309K
1/4"	9/16" – 18	11/16"	OA61	022	1520409K
5/16"	9/16" – 18	11/16"	OA62	022	1520509K
3/8"	9/16" – 18	11/16"	OA63	022	1520609K

Oxy-Acetylene Connecting Spuds

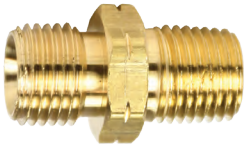
Left-hand Thread x Left-hand Thread

Left UNF Thread	Hex	Brass		
		Previous Part #	CGA #	Part #
9/16"-18	11/16"	OA52	023	1580909C

Right-hand Thread x Right-hand Thread

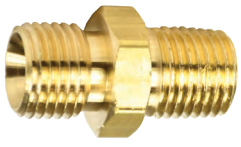
Right UNF Thread	Hex	Brass		
		Previous Part #	CGA #	Part #
9/16"-18	11/16"	OA50	022	1560909C

Oxy-Acetylene Adapters



Left-hand Thread x NPTF

Left UNF Thread	NPTF Thread	Hex	Brass		
			Previous Part #	CGA #	Part #
9/16"-18	1/8"	11/16"	158-0902	023	1580902C
	1/4"	11/16"	158-0904	023	1580904C
	3/8"	11/16"	158-0906	023	1580906C



Right-hand Thread x NPTF

Right UNF Thread	NPTF Thread	Hex	Brass		
			Previous Part #	CGA #	Part #
9/16"-18	1/8"	11/16"	156-0902	022	1560902C
	1/4"	11/16"	156-0904	022	1560904C
	3/8"	11/16"	156-0906	022	1560906C

Oxy-Acetylene Ferrules

Feature
- Sold in package quantities only

Inside Dimensions	Overall Length	Metal Gauge	Standard Ind. Part #	Brass Part #	Qty
.474" x 0.943"	15/32"	.019"	9979	BFO474	25
.535" x 1.071"	3/4"	.024"	9940P	BFO535	25
.593" x 1.109"	3/4"	.024"	9593	BFO593	25
.700" x 1.325"	.719"	.025"	8337	BFO700	25

Worm Gear Clamps 474-479
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J

Dixon® Worm Gear Clamps

Size
- Screw design: 5/16" slotted hex head

Features
- Four-piece construction
- Maximum recommended torque 50 in. lbs.
- All clamps sold 10 per box

Materials
- Band and housing: SAE 300-series stainless
- Screw: SAE 1018 case-hardened, hex-free chrome zinc-plated steel
- Band and housing: SAE 300-series stainless
- Screw: SAE 300-series stainless

Approval
- Meets SAEJ1508 which supersedes Mil Spec WW-C-440B

style HS60

style HSS36

Band Width	Hose O.D. From	Hose O.D. To	Style HS Part #	Master Case Qty	Style HSS Part #	Master Case Qty
1/2"	7/16"	25/32"	HS6	200	HSS6	200
	1/2"	29/32"	HS8	200	HSS8	200
	9/16"	1-1/16"	HS10	500	HSS10	500
	11/16"	1-1/14"	HS12	500	HSS12	500
	13/16"	1-1/2"	HS16	500	HSS16	500
	13/16"	1-3/4"	HS20	500	HSS20	500
	1-1/16"	2"	HS24	500	HSS24	500
	1-5/16"	2-1/4"	HS28	500	HSS28	500
	1-9/16"	2-1/2"	HS32	500	HSS32	500
	1-13/16"	2-3/4"	HS36	500	HSS36	500
	2-1/16"	3"	HS40	200	HSS40	200
	2-5/16"	3-1/4"	HS44	200	HSS44	200
	2-9/16"	3-1/2"	HS48	200	HSS48	200
	2-13/16"	3-3/4"	HS52	200	HSS52	200
	3-1/16"	4"	HS56	200	HSS56	200
	3-5/16"	4-1/4"	HS60	200	HSS60	200
9/16"	3-9/16"	4-1/2"	HS64	200	HSS64	200
	1-7/8"	5"	HS72	100	HSS72	100
	2-1/2"	5-1/2"	HS80	100	HSS80	100
	3-1/8"	6"	HS88	100	HSS88	100
	3-5/8"	6-1/2"	HS96	100	HSS96	100
	4-1/8"	7"	HS104	100	HSS104	100
	5-5/8"	8-1/2"	HS128	100	HSS128	100
	7-1/8"	10"	HS152	100	HSS152	100
	9-3/8"	12-1/4"	HS188	100	HSS188	100
	10-1/8"	13"	HS200	100	HSS200	100
	10-7/8"	13-3/4"	HS212	100	HSS212	100
	11-5/8"	14-1/2"	HS224	100	HSS224	100
	12-3/8"	15-1/4"	HS236	100	HSS236	100
	13-1/8"	16"	HS248	100	HSS248	100
	17-1/8"	20"	HS312	100	HSS312	100

Miniature Worm Gear Clamps

Size
- Screw design: 1/4" slotted hex head

Features
- Maximum recommended torque 15 in. lbs.
- All clamps sold 10 per box

Materials
- Band and housing: SAE 300-series stainless
- Screw: SAE 1018 case-hardened, hex-free chrome zinc-plated steel
- Band and housing: SAE 300-series stainless
- Screw: SAE 300-series stainless

Approval
- Meets SAE J1508

style MH

Band Width	Hose O.D. From	Hose O.D. To	Style MH Part #	Master Case Qty	Style MAH Part #	Master Case Qty
5/16"	7/32"	5/8"	MH4	500	MAH4	500
	7/16"	25/32"	MH6	500	MAH6	500
	1/2"	29/32"	MH8	200	MAH8	200
	9/16"	1-1/16"	MH10	200	MAH10	200
	11/16"	1-1/4"	MH12	200	MAH12	200
	15/16"	1-1/2"	MH16	200	MAH16	200
	1-3/16"	1-3/4"	MH20	200	MAH20	200

NOTE: Torque ratings correspond to the torque rating of the screw of the clamp and are not an indication of the working pressure of any hose assembly installed with this clamp.

Aero-Seal® Worm Gear Clamps

Features
- Four-piece construction
- Band slots designed for strength and smooth action
- Saddle interlocks into embossed band to form a true concentric circle
- Slotted hex head screw design
- Heat treated screws have buttress thread type
- Safety collar or thumb screw available on the style 200-series only
- Suggested installation torque 30-42 in. lbs.; maximum recommended torque 60 in. lbs.
- All clamps sold 10 per box
- Torque ratings correspond to the torque rating of the screw of the clamp and are not an indication of the working pressure of any hose assembly installed with this clamp

Materials
Style 100
- Band and housing: 300 SS
- Screw: plated carbon steel

Style 200
- Band and housing: 300 SS
- Screw: 410 stainless steel

Style 300
- Band and housing: 300 SS
- Screw: 305 stainless steel

style 300

Band Width	Hose O.D. From	Hose O.D. To	Style 100 Part #	Style 200 Part #	Style 300 Part #	Pkg Qty
9/16"	7/16"	25/32"	10006	20006	30006	10
	1/2"	29/32"	10008	20008	30008	10
	9/16"	1-1/16"	10010	20010	30010	10
	11/16"	1-1/4"	10012	20012	30012	10
	13/16"	1-1/2"	10016	20016	30016	10
	13/16"	1-3/4"	10020	20020	30020	10
	1-1/16"	2"	10024	20024	30024	10
	1-5/16"	2-1/4"	10028	20028	30028	10
	1-9/16"	2-1/2"	10032	20032	30032	10
	1-13/16"	2-3/4"	10036	20036	30036	10
	2-1/16"	3"	10040	20040	30040	10
	2-5/16"	3-1/4"	10044	20044	30044	10
	2-9/16"	3-1/2"	10048	20048	30048	10
	2-13/16"	3-3/4"	10052	20052	30052	10
	3-1/16"	4"	10056	20056	30056	10
	3-5/16"	4-1/4"	10060	20060	30060	10

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Marine Grade Worm Gear Clamps

Size
- Screw design: 5/16" slotted hex head

Features
- Three-piece construction
- Suggested installation torque 30-42 in. lbs.; maximum recommended torque 60 in. lbs.
- All clamps sold 10 per box
- Torque ratings correspond to the torque rating of the screw of the clamp and are not an indication of the working pressure of any hose assembly installed with this clamp

Material
- 316 stainless steel marine grade: band, screw, housing

Approval
- Meets SAEJ1508 which supersedes Mil Spec WW-C-440B

Band Width	Hose O.D. From	Hose O.D. To	316 Stainless Steel Part #
1/2"	3/8"	7/8"	MGC6
	7/16"	1"	MGC8
	9/16"	1-1/16"	MGC10
	9/16"	1-5/16"	MGC12
	11/16"	1-1/2"	MGC16
	3/4"	1-3/4"	MGC20
	1-1/16"	2"	MGC24
	1-5/16"	2-1/4"	MGC28
	1-9/16"	2-1/2"	MGC32
	1-13/16"	2-3/4"	MGC36
	2-1/16"	3"	MGC40
	2-5/16"	3-1/4"	MGC44
	2-9/16"	3-1/2"	MGC48
	2-13/16"	3-3/4"	MGC52
	3-1/16"	4"	MGC56
	2-1/2"	4-1/2"	MGC64
	3-1/16"	5"	MGC72
	3-1/2"	5-1/2"	MGC80
	4-3/32"	6"	MGC88
	4-1/2"	6-1/2"	MGC96
	5"	7"	MGC104

Aero-Seal® Liner Worm Gear Clamps

style DLS

Size
- Screw design: 5/16" hex slotted hex head

Features
- The integral extension of the band as a liner (no rivets or welds) protects soft surface hose (silicone and others) from damage caused by extrusion or shearing through the band slots
- All clamps sold 10 per box

Materials
- Band, saddle, housing: stainless steel Style DL
- Screw: plated carbon steel Style DLS
- Screw: 410 stainless steel

Band Width	Hose O.D.		Style DL Part #	Pkg Qty	Style DLS Part #	Pkg Qty
	From	To				
1/2"	7/16"	25/32"	DL9206	10	DLS9406	10
	1/2"	29/32"	DL9208	10	DLS9408	10
	9/16"	1-1/16"	DL9210	10	DLS9410	10
	11/16"	1-1/4"	DL9212	10	DLS9412	10
	13/16"	1-1/2"	DL9216	10	DLS9416	10
	13/16"	1-3/4"	DL9220	10	DLS9420	10
	1-1/16"	2"	DL9224	10	DLS9424	10
	1-5/16"	2-1/4"	DL9228	10	DLS9428	10
	1-9/16"	2-1/2"	DL9232	10	DLS9432	10
	1-13/16"	2-3/4"	DL9236	10	DLS9436	10
	2-1/16"	3"	DL9240	10	DLS9440	10
	2-5/16"	3-1/4"	DL9244	10	DLS9444	10
	2-9/16"	3-1/2"	DL9248	10	DLS9448	10

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WaveSeal Clamps

Application
- Provides optimal retention in applications involving thermal cycling and / or high vibration

Size
- 5/16" head screw

Features
- Produces a sealing O-ring effect that prevents leakage
- Suggested installation torque 50-70 in. lbs.
- All clamps sold 10 per box
- Torque ratings correspond to the torque rating of the screw of the clamp and are not an indication of the working pressure of any hose assembly installed with this clamp

Materials
- Band: 300 stainless steel
- Liner and housing: 300 stainless steel
- Screw: 410 stainless steel

Band Width	Hose O.D.		Part #	Pkg Qty
	From	To		
9/16"	1-3/32"	1-5/16"	WSS16	10
	1-1/8"	1-1/2"	WSS19	10
	1-1/8"	1-9/16"	WSS20	10
	1-7/16"	1-11/16"	WSS22	10
	1-1/2"	1-13/16"	WSS24	10
	1-3/4"	2-1/16"	WSS28	10
	1-15/16"	2-5/16"	WSS32	10
	2"	2-7/16"	WSS34	10
	2-1/8"	2-9/16"	WSS36	10
	2-5/16"	2-13/16"	WSS40	10
	2-1/2"	3-1/16"	WSS44	10
	2-11/16"	3-5/16"	WSS48	10
	2-7/8"	3-9/16"	WSS52	10
	3-1/16"	3-13/16"	WSS56	10
	3-1/4"	4-1/16"	WSS60	10
	3-7/16"	4-5/16"	WSS64	10
	3-3/4"	4-13/16"	WSS72	10
	4-3/16"	5-5/16"	WSS80	10
	4-1/2"	5-13/16"	WSS88	10

Constant Torque Worm Gear Clamps

Feature

- A patented Belleville spring mechanism permits the clamp to automatically increase or decrease its own diameter due to changes in operational or environmental temperatures

Materials

- Screw: 3/8" hex, carbon steel
- Band: 5/8" wide, 300 stainless steel

Band Width	Hose O.D. From	Hose O.D. To	Part #
5/8"	1"	1-3/4"	CT175L
	1-1/4"	2-1/8"	CT200L
	1-3/4"	2-5/8"	CT250L
	2-1/4"	3-1/8"	CT300L
	2-3/4"	3-5/8"	CT350L
	3-1/4"	4-1/8"	CT400L
	3-3/4"	4-5/8"	CT450L
	4-1/4"	5-1/8"	CT500L
	4-3/4"	5-5/8"	CT550L
	5-1/4"	6-1/8"	CT600L
	5-3/4"	6-5/8"	CT650L
	6-1/4"	7-1/8"	CT700L
	6-3/4"	7-5/8"	CT750L
	7-1/4"	8-1/8"	CT800L
	7-3/4"	8-5/8"	CT850L
	8-1/4"	9-1/8"	CT900L
	8-3/4"	9-5/8"	CT950L

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HTM Hi Torque Worm Gear Clamps

Features

- Withstands more than three times the SAE torque requirements for worm-driven clamps
- Eight screw threads are engaged in the band simultaneously for incredible torquing drive (over 90 in. lbs.), sealing pressure, and vibration resistance
- Slotted hex head screw design
- Torque ratings correspond to the torque rating of the screw of the clamp and are not an indication of the working pressure of any hose assembly installed with this clamp

Materials

- Band and housing: 300-series half-hard stainless[1]
- Screw: 410 stainless steel

Band Width	Hose O.D. From	Hose O.D. To	Stainless Steel Part #
5/8"	1-1/4"	2-1/8"	HTM200
	1-1/4"	2-5/8"	HP2[1]
	1-3/4"	2-5/8"	HTM250
	2-1/8"	4-1/8"	HP3[1]
	2-1/4"	3-1/8"	HTM300
	2-3/4"	3-5/8"	HTM350
	3-1/4"	4-1/8"	HTM400
	3-3/4"	4-5/8"	HTM450
	4"	6-1/8"	HP4[1]
	4-1/4"	5-1/8"	HTM500
	4-3/4"	5-5/8"	HTM550
	5-1/4"	6-1/8"	HTM600
	5-3/4"	6-5/8"	HTM650
	6-1/8"	9-1/8"	HP5[1]
	6-1/4"	7-1/8"	HTM700
	6-3/4"	7-5/8"	HTM750
	7-1/4"	8-1/8"	HTM800
	7-3/4"	8-5/8"	HTM850
	8-1/4"	9-1/8"	HTM900

style HTM

style HP

[1] Extended hose O.D. range

Assorted Clamps

Features
- Resealable bag of 10 pieces
- Contains:
  - 2 - Micro-Gear® Size 4
  - 1 - Hy-Gear® Size 6
  - 3 - Hy-Gear Size 12
  - 3 - Hy-Gear Size 20
  - 1 - Hy-Gear Size 36

Approval
- Uniform Plumber Code (UPC), certified (1/2" Hy-Gear clamps)

Hose O.D.		Stainless Steel Part #
From	To	
1/4"	2-3/4"	MGC-10PC

Dixon® Worm Gear Clamp Racks

Size
- Rack with clamps contains (9) clamp sizes with diameter ranges from 7/32" - 2-3/4"

CRWC

CR

Features
- Sign identifies each clamp size and diameter range
- CRWC, Clamps included are:
  - 30 of part# MH4
  - 30 of part# MH6
  - 20 of part# HS10
  - 20 of part# HS12
  - 20 of part# HS20
  - 20 of part# HS24
  - 20 of part# HS28
  - 20 of part# HS32
  - 20 of part# HS36

Material
- Top load metal rack made of nickel plated steel rods with enameled steel sign

Description	Part #
with 200 clamps	CRWC
without clamps	CR

19-Piece Assortment Pack

Applications
- Applications include plumbing, industrial, marine, hardware, automotive, and household use

HCVP-19

Features
- Reusable plastic case for easy identification and organization
- Contains:

5/16" band includes:
- 6 pcs of 5/16" – 5/8" O.D.
- 4 pcs of 5/16" – 7/8" O.D.
- 2 pcs of 7/16" – 1" O.D.

1/2" band includes:
- 2 pcs of 1/2" – 1-1/6" O.D.
- 2 pcs of 1/2" – 1-1/4" O.D.
- 1 pc of 3/4" – 1/34" O.D.
- 1 pc of 1-1/4" – 2-1/4" O.D.
- 1 pc 3/4" – 2-3/4" O.D.

Specifications
- SAE Sizes 4, 6, 8, 10, 12, 20, 28, 36
- Corrosion-resistant with all 300-series stainless steel construction

Description	Part #
19-piece assortment clamp pack	HCVP-19

Quick-Release Worm Gear Clamps

Size
- Screw design: 5/16" slotted hex head

Features
- Suggested installation torque 25-35 in. lbs., maximum recommended torque 50 in. lbs.
- Parts showing package quantities are sold in package quantities only
- Torque ratings correspond to the torque rating of the screw of the clamp and are not an indication of the working pressure of any hose assembly installed with this clamp

Materials
- Band and housing: 201-series stainless
- Style LS Screw: plated hardened carbon steel
- Style LSS Screw: SAE 410-series stainless

style LS

style LSS

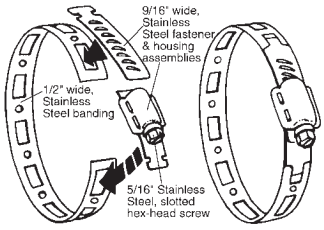
Band Width	Hose O.D. From	Hose O.D. To	Style LS Part #	Pkg Qty	Style LSS Part #	Pkg Qty
1/2"	1-1/2"	3-1/2"	LS48	10	LSS48	10
	1"	4"	LS56	10	---	---
	2"	5"	LS72	10	LSS72	10
	2-1/16"	6"	LS88	10	LSS88	10
	3-1/2"	6-1/2"	LS96	---	---	---
	2-7/8"	7"	LS104	10	LSS104	10
	1-3/4"	8-1/2"	LS128	---	LSS128	---
	2"	10"	LS152	---	---	---
	2"	12-1/4"	LS188	---	LSS188	---
	10-3/16"	14"	---	---	LSS216	---
	1-3/4"	16"	---	---	LSS248	---
	1-7/8"	20"	---	---	LSS312	---

J

Worm Gear Make-A-Clamp Kits

Application
- A maintenance clamp system in a box; by simply cutting off a piece of banding from a continuous roll, you can make any size stainless steel worm-driven clamp from 2" diameter and up, perfect applications requiring for varying sized large clamps

Sizes
- Band width: 1/2"
- Band thickness: .023"
- Screw design: 5/16" slotted hex head



Feature
- Reusable

Materials
- Band and housing material: 300 stainless
- Screw material: 410 stainless

Contents	Stainless Steel Part #
mini kit: 8-1/2' band, 3 adjustable fasteners, 1 band splice	4000
kit with 100' band, 25 adjustable fasteners, 10 band splices	4001
kit with 50' band, 10 adjustable fasteners, 5 band splices	4002
box with 10 adjustable fasteners: priced per box	4004
box with 100' band, 10 band splices	4005
box with 50' band, 5 band splices	4006
6" demonstrator kit with clamps	4007
box with 10 band splices: priced per box	4008

T-Bolt Clamps

Style TBC

Size
- 3/4" wide, .025" thick

Feature
- Can be applied with a standard 7/16" socket wrench

Materials
- Band: 300-series stainless steel
- Bolt: Carbon steel, torque rating: 110 in/lbs.

Style STBC

Size
- 3/4" wide, .025" thick

Feature
- Can be applied with a standard 7/16" socket wrench

Materials
- Band: 300-series stainless steel
- Bolt: 300-series stainless steel, torque rating: 110 in/lbs

style TBC

style STBC

Hose O.D.		Style TBC Part #	Hose O.D.		Style STBC Part #	Optional Qty
From	To		From	To		
1.25"	1.406"	TBC131	1.25"	1.4063"	STBC131	25
1.34"	1.56"	TBC150	1.31"	1.56"	STBC150	25
1.56"	1.81"	TBC175	1.44"	1.69"	STBC163	25
1.69"	1.94"	TBC188	1.56"	1.81"	STBC175	25
1.81"	2.06"	TBC200	1.69"	1.94"	STBC188	25
2.06"	2.31"	TBC225	1.81"	2.06"	STBC200	25
2.19"	2.5"	TBC238	1.93"	2.18"	STBC212	25
2.31"	2.62"	TBC250	2.06"	2.31"	STBC225	25
2.31"	2.62"	TBC256	2.19"	2.5"	STBC238	25
2.37"	2.68"	TBC263	2.31"	2.62"	STBC250	25
2.50"	2.81"	TBC275	2.31"	2.62"	STBC256	25
2.63"	2.94"	TBC288	2.37"	2.68"	STBC263	25
2.75"	3.06"	TBC300	2.50"	2.81"	STBC275	25
2.88"	3.19"	TBC312	2.63"	2.94"	STBC288	25
3.00"	3.31"	TBC325	2.75"	3.06"	STBC300	25
3.25"	3.56"	TBC350	2.88"	3.19"	STBC312	25
3.50"	3.81"	TBC375	3.00"	3.31"	STBC325	25
3.56"	3.87"	TBC382	3.25"	3.56"	STBC350	25
3.75"	4.06"	TBC400	3.38"	3.69"	STBC362	25
4.00"	4.30"	TBC425	3.50"	3.81"	STBC375	25
4.25"	4.56"	TBC450	3.56"	3.87"	STBC382	25
4.50"	4.81"	TBC475	3.75"	4.06"	STBC400	25
4.75"	5.06"	TBC500	4.00"	4.30"	STBC425	25
5.00"	5.31"	TBC525	4.25"	4.56"	STBC450	25
5.25"	5.56"	TBC550	4.50"	4.81"	STBC475	25
5.50"	5.81"	TBC575	4.75"	5.06"	STBC500	25
5.75"	6.06"	TBC600	5.00"	5.31"	STBC525	25
6.00"	6.31"	TBC625	5.25"	5.56"	STBC550	25
6.25"	6.56"	TBC650	5.50"	5.81"	STBC575	25
6.50"	6.81"	TBC675	5.75"	6.06"	STBC600	25
6.75"	7.06"	TBC700	6.00"	6.31"	STBC625	25
7.25"	7.56"	TBC750	6.25"	6.56"	STBC650	25
			6.50"	6.81"	STBC675	25
			6.75"	7.06"	STBC700	25
			7.00"	7.31"	STBC725	25
			7.25"	7.56"	STBC750	25
			7.75"	8.06"	STBC800	25
			8.00"	8.31"	STBC825	25
			8.25"	8.56"	STBC850	25
			8.63"	8.94"	STBC888	25
			8.75"	9.06"	STBC900	25
			9.25"	9.56"	STBC950	25
			9.75"	10.06"	STBC1000	10
			10.63"	10.94"	STBC1088	10
			11.75"	12.06"	STBC1200	10
			12.63"	12.94"	STBC1288	10

Heavy Duty T-Bolt Clamps

Style HTBC

Size
- 7/8" wide, .040" thick

Feature
- Can be applied with a standard 1/2" socket wrench

Materials
- Band: 300-series stainless steel
- Bolt carbon steel, torque rating: 150 in/lbs

Style HSTBC

Size
- 7/8" wide, .040" thick

Feature
- Can be applied with a standard 1/2" socket wrench

Materials
- Band: 300-series stainless steel
- Bolt: 300-series stainless steel, torque rating: 150 in/lbs.

Hose O.D.		Style HTBC Part #	Style HSTBC Part #
From	To		
2.125"	2.4375"	HTBC238	HSTBC238
2.250"	2.5625"	HTBC250	HSTBC250
2.750"	3.0625"	HTBC300	HSTBC300
3.250"	3.5625"	HTBC350	HSTBC350
3.750"	4.0625"	HTBC400	HSTBC400
4.250"	4.5625"	HTBC450	HSTBC450
4.750"	5.0625"	HTBC500	HSTBC500
5.250"	5.5625"	HTBC550	HSTBC550
5.750"	6.0625"	HTBC600	HSTBC600
6.250"	6.5625"	HTBC650	HSTBC650
6.750"	7.0625"	HTBC700	HSTBC700
7.250"	7.5625"	HTBC750	HSTBC750
7.750"	8.0625"	HTBC800	HSTBC800
8.266"	8.562"	---	HSTBC850
8.646"	8.942"	---	HSTBC888
8.766"	9.062"	---	HSTBC900
9.266"	9.562"	---	HSTBC950
9.766"	10.062"	---	HSTBC1000
10.646"	10.942"	---	HSTBC1088
12.646"	12.942"	---	HSTBC1288

style HTBC

style HSTBC

J

Long Bolt T-Bolt Clamps

Size
- 3/4" wide, .025" thick

Feature
- Can be applied with a standard 7/16" socket wrench.

Materials
- Band: 300-series stainless steel
- Bolt: 300-series stainless steel, torque rating: 50 in/lbs.

Hose O.D.		300-Series Stainless Steel Part #	Optional Qty
From	To		
2.80"	3.37"	STBC325L	25
3.05"	3.62"	STBC350L	25
3.37"	3.94"	STBC382L	25
3.55"	4.12"	STBC400L	25
3.75"	4.32"	STBC420L[1]	25
3.87"	4.44"	STBC432L	25
4.05"	4.62"	STBC450L	25
4.37"	4.94"	STBC482L	25
4.55"	5.12"	STBC500L	25
4.87"	5.44"	STBC532L	25
5.05"	5.62"	STBC550L	25
5.37"	5.94"	STBC582L	25
5.55"	6.12"	STBC600L[1]	25
5.87"	6.44"	STBC632L	25
6.05"	6.62"	STBC650L	25
6.30"	6.87"	STBC675L	25
6.53"	7.10"	STBC698L	25
6.55"	7.12"	STBC700L[1]	25
6.62"	7.19"	STBC707L	25
8.05"	8.62"	STBC850L	25
8.30"	8.87"	STBC875L	25
8.43"	9.00"	STBC888L	25
8.62"	9.19"	STBC907L	25
10.25"	10.82"	STBC1070L	25
10.43"	11.00"	STBC1088L	25
10.62"	11.19"	STBC1107L[1]	25
10.72"	11.29"	STBC1117L	25
12.20"	12.77"	STBC1265L	25
12.43"	13.00"	STBC1288L	25
12.75"	13.32"	STBC1320L	25
14.20"	14.77"	STBC1465L	25
14.43"	15.00"	STBC1488L	25
14.75"	15.32"	STBC1520L	25
16.20"	16.77"	STBC1665L	25
16.43"	17.00"	STBC1688L	25

[1] Stock quantities only

Center Punch Band Clamps

Features

- Install with center punch tools F1, F38, F40, and F100 located on page 487 other manufacturers' punch style tools may also be used
- Sold in package quantities only

Material

- On stainless clamps, bands are 300-series stainless steel, buckles are 302-series stainless steel

Pre-formed F-Series

Band Width	Clamp I.D.	Band THK	Stainless Steel Part #	Pkg Qty	Band THK	Galvanized Steel Part #	Pkg Qty
3/8"	13/16"	.020"	FS3	100	.025"	F3	100
	1-3/8"	.020"	FS311	100	.025"	F311	100
5/8"	1"	.022"	FS4	100	.025"	F4	100
	1-1/4"	.022"	FS5	100	.025"	F5	100
	1-1/2"	.022"	FS6	100	.031"	F6	100
	1-3/4"	.022"	FS7	100	.031"	F7	100
	2"	.022"	FS8	100	.031"	F8	100
	2-1/4"	.022"	FS9	100	.031"	F9	100
	2-1/2"	.022"	FS10	50	.031"	F10	50
	2-3/4"	.022"	FS11	50	.031"	F11	50
	3"	.022"	FS12	50	.031"	F12	50
	3-1/2"	.022"	FS14	50	.031"	F14	50
	4"	.022"	FS16	25	.031"	F16	25
	4-1/2"	.022"	FS18	25	.031"	F18	25
	5"	.022"	FS20	25	.031"	F20	25
	6"	.022"	FS24	25	.031"	F24	25
	7"	.022"	FS28	25	.031"	F28	25
	8"	.022"	FS32	25	.031"	F32	25

Open End FO-Series

Band Width	Clamp I.D.	Band THK	Stainless Steel Part #	Pkg Qty	Band THK	Galvanized Steel Part #	Pkg Qty
3/8"	13/16"	.020"	FOS3	100	.025"	FO3	100
	1-3/8"	.020"	FOS311	100	.025"	FO311	100
	2"	.020"	FOS316	100	.025"	FO316	100
	3-1/8"	.020"	FOS325	100	.025"	FO325	100
5/8"	2"	.022"	FOS8	100	.025"	FO8	100
	2-1/2"	.022"	FOS10	50	.025"	FO10	50
	3"	.022"	FOS12	50	.031"	FO12	50
	3-1/2"	.022"	FOS14	50	.031"	FO14	50
	4"	.022"	FOS16	50	.031"	FO16	50
	4-1/2"	.022"	FOS18	50	.031"	FO18	50
	5"	.022"	FOS20	25	.031"	FO20	25
	6"	.022"	FOS24	25	.031"	FO24	25
	7"	.022"	FOS28	25	.031"	FO28	25
	8"	.022"	FOS32	25	.031"	FO32	25
	9"	.022"	---	---	.031"	FO36	25
	10"	.022"	---	---	.031"	FO40	25
	12"	.022"	---	---	.031"	FO48	25
	14"	.022"	---	---	.031"	FO56	10

Universal Pre-formed K-Series

Features
- Can be center punched or rolled over; install with the center punch or roll over tools located on page 487
- Fast-Lok™ tools: F1, F40, F100, page 487
- Super Strap® tools: 51960 screw action with 51970 adapter page 488
- Bandit®: S100 air tool with S180 Jr. head, C-001 hand tool with J001 Jr. adapter, S350 air tool with S260 Jr. head, T-240 for 3/8" only or T-250 for 3/8" and 5/8", S-38 for 3/8" and 5/8", J-102 Pok-It™ for 3/8" only
- Punch-Lok® tools: P-1000 for 3/8" and 5/8", P-3000 for 3/8" only, P-38 for 3/8" and 5/8"
- Sold in package quantities only

Materials
- On stainless clamps, bands are 300-series stainless steel, buckles are 302-series stainless steel

Band Width	Clamp I.D.	Band THK	Stainless Steel Part #	Pkg Qty	Band THK	Galvanized Steel Part #	Pkg Qty
3/8"	13/16"	.025"	KS3	100	.025"	K3	100
	1-3/8"	.025"	KS311	100	.025"	K311	100
5/8"	1"	.030"	KS4	100	.031"	K4	100
	1-1/4"	.030"	KS5	100	.031"	K5	100
	1-1/2"	.030"	KS6	100	.031"	K6	100
	1-3/4"	.030"	KS7	100	.031"	K7	100
	2"	.030"	KS8	100	.031"	K8	100
	2-1/4"	.030"	KS9	100	.031"	K9	100
	2-1/2"	.030"	KS10	50	.031"	K10	50
	2-3/4"	.030"	KS11	50	.031"	K11	50
	3"	.030"	KS12	50	.031"	K12	50
	3-1/2"	.030"	KS14	50	.031"	K14	50
	4"	.030"	KS16	25	.031"	K16	25
	4-1/2"	.030"	KS18	25	.031"	K18	25
	5"	.030"	KS20	25	.031"	K20	25
	6"	.030"	KS24	25	.031"	K24	25
	7"	.030"	KS28	25	.031"	K28	25
	8"	.030"	KS32	25	.031"	K32	25

Pow'r Tight® Clamps

Application
- Ideal for thick-walled and higher durometer hose
- Industries these clamps typically used in are agriculture, oil, gas, mining, construction, chemical processing, refining, and municipalities
- Band-It's Ultra-Lok Tools Part# UL4000D and UL9000D

Size
- I.D. - 2" to 9"

Features
- Heavy-duty buckle and double wrapped to provide optimal holding power
- Smooth seal design for gap-free contact
- 3/4" band width
- 0.030" band thickness

Material
- 201 1/4 hard stainless steel for exceptional band strength

Size I.D.	Part #
2"	PHDS200
2-3/4"	PHDS275
3"	PHDS300
3-3/4"	PHDS375
4"	PHDS400
4-1/2"	PHDS450
5"	PHDS500
6"	PHDS600
6-1/2"	PHDS650
7"	PHDS700
8"	PHDS800
9"	PHDS900

Dixon® Smooth I.D. – Roll Over Type Clamps

Application
- For use with industrial hose made of stiffer, thinner thermoplastics

Features
- Provide a uniform, gap-free inside diameter and strong holding power
- Install with roll over type clamp tools and most common band clamp tools such as the 51960 and 51970 band tools on page 488
- Sold in package quantities only

Band Width	Clamp I.D.	Band THK	201 Stainless Steel Part #	Pkg Qty	Galvanized Steel Part #	Pkg Qty
3/8"	13/16"	.025"	JS201	100	JS301	100
	1"	.025"	JS243	100	JS343	100
	1-3/8"	.025"	JS202	100	JS302	100
	2"	.025"	JS245	100	---	---
1/2"	1"	.030"	JS203	100	JS303	100
	1-1/4"	.030"	JS204	100	JS304	100
	2-3/4"	.030"	JS230	100	JS330[1]	100
5/8"	1-1/2"	.030"	JS205	100	JS305	100
	1-3/4"	.030"	JS206	100	JS306	100
	2"	.030"	JS207	100	JS307	100
	2-1/4"	.030"	JS208	100	JS308	100
	2-1/2"	.030"	JS209	100	JS309	100
3/4"	2-3/4"	.030"	JS210	50	---	---
	3"	.030"	JS211	50	JS311	50
	3-1/2"	.030"	JS212	50	JS312	50
	4"	.030"	JS213	25	JS313	25
	4-1/2"	.030"	JS214	25	JS314	25
	5"	.030"	JS215	25	JS315	25
	6"	.030"	JS216	25	---	---
	7"	.030"	JS218	25	---	---

[1] Stock quantities only

J

Dixon Smooth I.D. Center Punch Clamps

Application
- For use in applications where conditions are highly corrosive

Features
- Double wrapped and locked with the conical punch of the F100 tool page 487
- Heavy buckle provides optimal holding power
- Ideal for thin wall hose
- Low profile
- Sold in package quantities only

Band Width	Clamp I.D.	Band THK	201 Stainless Steel Part #	Pkg Qty
5/8"	1"	.025"	HBC4S	100
	1-1/4"	.025"	HBC5S	100
	1-1/2"	.025"	HBC6S	100
	1-3/4"	.025"	HBC7S	100
	2"	.025"	HBC8S	100
	2-1/4"	.025"	HBC9S	100
	2-1/2"	.025"	HBC10S	50
	2-3/4"	.025"	HBC11S	50
	3"	.025"	HBC12S	50
	3-1/2"	.025"	HBC14S	50
	4"	.025"	HBC16S	25
	4-1/2"	.025"	HBC18S	25
	5"	.025"	HBC20S	25
	6"	.025"	HBC24S	25
	7"	.025"	HBC28S	25
	8"	.025"	HBC32S	25

Band and Buckles System

Features
- Install with 51960 band clamp tool
- Sold in box quantities only

Band Width	201 Stainless Steel Part #	Pkg Qty
3/8"	CS375	100
1/2"	CS500	100
5/8"	CS625	100
3/4"	CS750	100

Strapping

Feature
- Install with 51960 band clamp tool

Band Width	Band Thickness	Length	201 Stainless Steel Part #	Galvanized Steel Part #
3/8"	.025"	100'	SS375	SG375
1/2"	.031"	100'	SS500	SG500
5/8"	.031"	100'	SS625	SG625
3/4"	.031"	100'	SS750	SG750

J

Set Screw Buckles

Application
- Used in applications when a temporary clamp is desired or space limitations do not allow for tool roll-over

Features
- Set screw locks band after tensioning
- Sold in box quantities only

Band Width	201 Stainless Steel Part #	Pkg Qty
1/2"	SSB500	25
3/4"	SSB750[1]	25

[1] 3/4" buckle may be used with 5/8" band

Stainless Steel Banding with Tote

Features
- Resistant to moisture
- Built-in handle
- Full view of available band
- Easy to dispense and recoil

Band Width	Band Thickness	Length	Package Description	201 Stainless Steel Part #
1/2"	.030"	100'	plastic blue tote	ST204B
5/8"	.030"	100'	plastic green tote	ST205G
3/4"	.030"	100'	plastic red tote	ST206R

Band Clamp Hand Tools

Locking Hand Tool

Applications
- For application of punch type 3/8" and 5/8" band clamps
- For use with F-series only

Part #
F38

Intermediate Hand Tool

Application
- For application of 3/8" and 5/8" band clamps

Part #
F40

Hand Tool for 5/8" Clamps

Application
- For application of 5/8" band clamps

Feature
- Imported

Part #
F1

Hand Tool for 3/8" & 5/8" Clamps

Application
- For application of 3/8" and 5/8" band clamps

Feature
- Made in the USA

Part #
F100

Adapter for F100 Tool

Application
- 3/8" clamp adapter for F100 tool only

Part #
F229

Flexible Hose Clamp Driver

Applications
- Flexible shaft and no-slip grip provide 90° access and work best in hard-to-reach places such as compact car and boat engines, as well as plumbing repair applications

Features
- Socket fits mini and standard hose clamp screw heads
- Flip the socket for the desired size of 1/4" or 5/16"

Socket Size	Part #
1/4" or 5/16"	FHCD

Clamp Cutter

Part #
F550

Band and Buckle Clamping Tools

Description	Part #
clamping tool for band and buckles	51960

Application
- For 51960 tool above

Description	Part #
adapter for 51960 tool to install preformed clamps	51970

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Pinch-On Clamps

Single Ear

Sizes
- Band width: .275"
- Band thickness: .030"

Feature
- Sold in package quantities only

Nominal Size	Range		Zinc Plated Steel Part #	304 Stainless Steel Part #	Pkg Qty
	Closed	Open			
3/8"	.350"	.413"	105	105R	100
7/16"	.382"	.445"	113	113R	100
15/32"	.409"	.484"	123	123R	100
1/2"	.449"	.524"	133	133R	100
35/64"	.469"	.551"	140	140R	100
9/16"	.496"	.571"	145	145R	100
5/8"	.543"	.618"	157	157R	100
11/16"	.595"	.669"	170	170R	100
23/32"	.618"	.728"	185	185R	100
3/4"	.669"	.780"	198	198R	100
13/16"	.717"	.827"	210	210R	100
7/8"	.780"	.890"	226	226R	100
15/16"	.839"	.949"	241	241R	100
1"	.898"	1.008"	256	256R	100
1-1/16"	.945"	1.067"	271	271R	100
1-1/8"	1.004"	1.126"	286	286R	100
1-3/16"	1.063"	1.185"	301	301R	100
1-5/16"	1.181"	1.303"	331	331R	100
1-3/8"	1.240"	1.362"	346	346R	100
1-15/32"	1.358"	1.480"	376	376R	100
1-9/16"	1.437"	1.559"	396	396R	100
1-5/8"	1.492"	1.614"	410	410R	100
1-11/16"	1.551"	1.673"	425	425R	100
1-23/32"	1.610"	1.732"	440	440R	100
1-3/4"	1.669"	1.791"	455	455R	100
1-13/16"	1.728"	1.850"	470	470R	100
1-7/8"	1.787"	1.909"	485	485R	100
1-15/16"	1.847"	1.969"	500	500R	100
2"	1.906"	2.028"	515	515R	100

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Double Ear

Features
- When ordering double ear clamps, select nominal clamp size nearest to, but always larger than, the O.D. of material to be clamped after insert has been fitted
- Sold in package quantities only

Nominal Size	Range		Band Width	Zinc Plated Steel Part #	304 Stainless Steel Part #	Pkg Qty
	Closed	Open				
3/16"	.134"	.197"	.197"	0305	0305R	100
1/4"	.197"	.276"	.236"	0507	0507R	100
5/16"	.276"	.354"	.275"	0709	0709R	100
3/8"	.319"	.433"	.275"	0811	0811R	100
1/2"	.425"	.512"	.275"	1113	1113R	100
9/16"	.492"	.591"	.295"	1315	1315R	100
19/32"	.551"	.669"	.315"	1517	1517R	100
5/8"	.591"	.709"	.315"	1518	1518R	100
3/4"	.638"	.787"	.335"	1720	1720R	100
13/16"	.709"	.866"	.354"	1922	1922R	100
7/8"	.748"	.906"	.354"	2023	2023R	100
15/16"	.827"	.984"	.394"	2225	2225R	100
1"	.886"	1.063"	.394"	2327	2327R	100
1-1/8"	1.035"	1.221"	.394"	2731	2731R	100
1-7/16"	1.260"	1.457"	.394"	3437	3437R	100
1-1/2"	1.378"	1.575"	.394"	3740	3740R	100

Oetiker® StepLess® Ear Clamps

Features

- Once installed and clamped, tampering is easily visible
- Clamps are not reusable; they should not be pried open, doing so renders the clamp nonfunctional
- Ensured clamping seal
- For low durometer or thin-walled hose/tubing
- Smooth inner band prevents damage to the hose while the tongue-in-groove design provides a 360° seal
- No steps or gaps inside the clamp
- Install clamps using 1098 or 1099 clamp tools below
- Clamps hold against pressure, vibration, and material shrinkage due to temperature changes or aging
- Built-in spring action permits the clamp to breathe without loosening
- When ordering, select the nominal size nearest to, but always larger than, the outside diameter of the material to be clamped, the outside diameter should be determined with connection fully assembled
- Sold in package quantities only

Nominal Size	Range (inches)		304 Stainless Steel Part #	Pkg Qty
	Closed	Open		
9/32"	.228"	.275"	0983	100
3/8"	.307"	.374"	0986	100
7/16"	.378"	.445"	0989	100
1/2"	.425"	.524"	0993	100
35/64"	.453"	.551"	0997	100
9/16"	.472"	.571"	0999	100
5/8"	.520"	.618"	1005	100
11/16"	.571"	.669"	1009	100
3/4"	.654"	.779"	1021	100
13/16"	.701"	.827"	1029	100

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Clamp Service Kit

Includes

- 15 of part #0709
- 15 of part #0811
- 15 of part #1113
- 15 of part #1315
- 15 of part #1518
- 12 of part #1720
- 12 of part #2023
- 12 of part #2225
- 12 of part #2327
- 1 pair of standard jaw pincers, part # 1098

Part #
SK1098

Standard Jaw Clamp Tool

Part #
1098

Side Jaw Clamp Tool

Part #
1099

DualHook Adjustable Ear Clamps

Applications
- Recommended for CVJ aftermarket for TPE and rubber boot applications
- Designed to use with applications where high performance and universal features are demanded

Features
- Tongue-in-groove design: provides Stepless® feature for the whole adjustable range and a smooth sliding into the recess
- Optimized interlock design: three dual hooks provide extra high force
- Waved band edge with dimples: enhances band strength and avoids the risk of breakage
- The recommended maximum closing force is 3800 N

Material
- Stainless steel, material no. 1.4301 / UNS S30400

Size	304 Stainless Steel Part #
24.5 mm	0260R
25.9mm	0261R
29.0mm	0262R
32.1mm	0263R
38.7mm	0264R
48.7mm	0265R
67.3mm	0266R
67.3mm	0267R

Double Bolt Clamps

Features
- Inner surface has dual gripping ridges
- Bolt lugs are reinforced to prevent bending out of alignment
- Torque values for clamps are based on dry bolts
- The use of lubricant on bolts will adversely effect clamp performance
- Measure hose O.D. accurately before ordering clamps
- Consult Dixon® when using double bolt clamps on helical wire hose

Hose O.D. From	Hose O.D. To	Plated Iron Part #	Torque in ft. lbs.	Optional Qty
1-8/64"	1-12/64"	J48	15	100
1-12/64"	1-24/64"	J49	21	50
1-28/64"	1-34/64"	JX49	21	25
1-40/64"	1-52/64"	DL14	40	25
1-48/64"	2-3/64"	DL20	27	25
2-7/64"	2-19/64"	DL24[1]	27	25
2-20/64"	2-40/64"	DL32[1]	40	25
2-32/64"	2-48/64"	DL275	40	25
2-48/64"	3-4/64"	DL306	60	20
3-4/64"	3-24/64"	DL328	60	20
3-16/64"	3-32/64"	DL350	60	20

[1] Investment cast carbon steel

Double Bolt Clamps with Saddles

Hose O.D. From	Hose O.D. To	Plated Iron Part #	Torque in ft. lbs.	Optional Qty
3-32/64"	3-52/64"	400	40	25
3-50/64"	4-4/64"	431	40	20
4-2/64"	4-18/64"	463	40	20
4-16/64"	4-60/64"	525	60	10
4-32/64"	5-16/64"	550	60	10
5-8/64"	5-44/64"	600	60	10
5-44/64"	5-60/64"	639	60	10
5-60/64"	6-32/64"	675	60	10
6-32/64"	7-36/64"	769	60	10
7-44/64"	8-12/64"	818	125	5
8-16/64"	8-56/64"	875	125	5
8-60/64"	9-56/64"	988	125	5
9-60/64"	11-24/64"	1125	125	5
11-12/64"	13"	1275	125	3
12-12/64"	14"	1360	200	2
13-12/64"	15"	1450	200	2
15-4/64"	17-32/64"	1700	260	2

Spiral Clamps

Application
- For use on convoluted cover hose

Features
- More than one clamp may be needed per size; contact the hose manufacturer for more information
- Due to fluctuations in the O.D. of hose each individual installation should be checked
- To determine which style clamp is needed for your hose look at the end of the hose; if the helix spirals in a clockwise direction away from you (along the hose), a clockwise clamp is needed. If the helix spirals in a counterclockwise direction away from you, a counterclockwise clamp is needed. Examples include, but are not limited to: Kuriyama® convoluted hose uses counterclockwise clamps; Pacific Echo® and Kana Flex® use clockwise clamps; Goodyear® uses both counterclockwise and clockwise.

Clockwise

Size	Hose O.D.		Plated Steel, Right Hand Part #
	From	To	
1-1/2"	1-34/64"	1-52/64"	SC150
2"	2-18/64"	2-32/64"	SC200
2-1/2"	2-46/64"	3-8/64"	SC250
3"	3"	3-32/64"	SC300
4"	4"	4-32/64"	SC400
5"	5-6/64"	5-32/64"	SC500
6"	6-16/64"	7"	SC600
8"	8-32/64"	9-16/64"	SC800
10"	10-40/64"	11-16/64"	SC1000
12"	11-52/64"	12-61/64"	SC1200

Counterclockwise

Size	Hose O.D.		Plated Steel, Left Hand Part #
	From	To	
1-1/2"	1-34/64"	1-52/64"	SCCW150
2"	2-18/64"	2-32/64"	SCCW200
2-1/2"	2-46/64"	3-8/64"	SCCW250
3"	3"	3-32/64"	SCCW300
4"	4"	4-32/64"	SCCW400
5"	5-6/64"	5-32/64"	SCCW500
6"	6-16/64"	7"	SCCW600
8"	8-32/64"	9-16/64"	SCCW800
10"	10-40/64"	11-16/64"	SCCW1000
12"	11-52/64"	12-61/64"	SCCW1200

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New

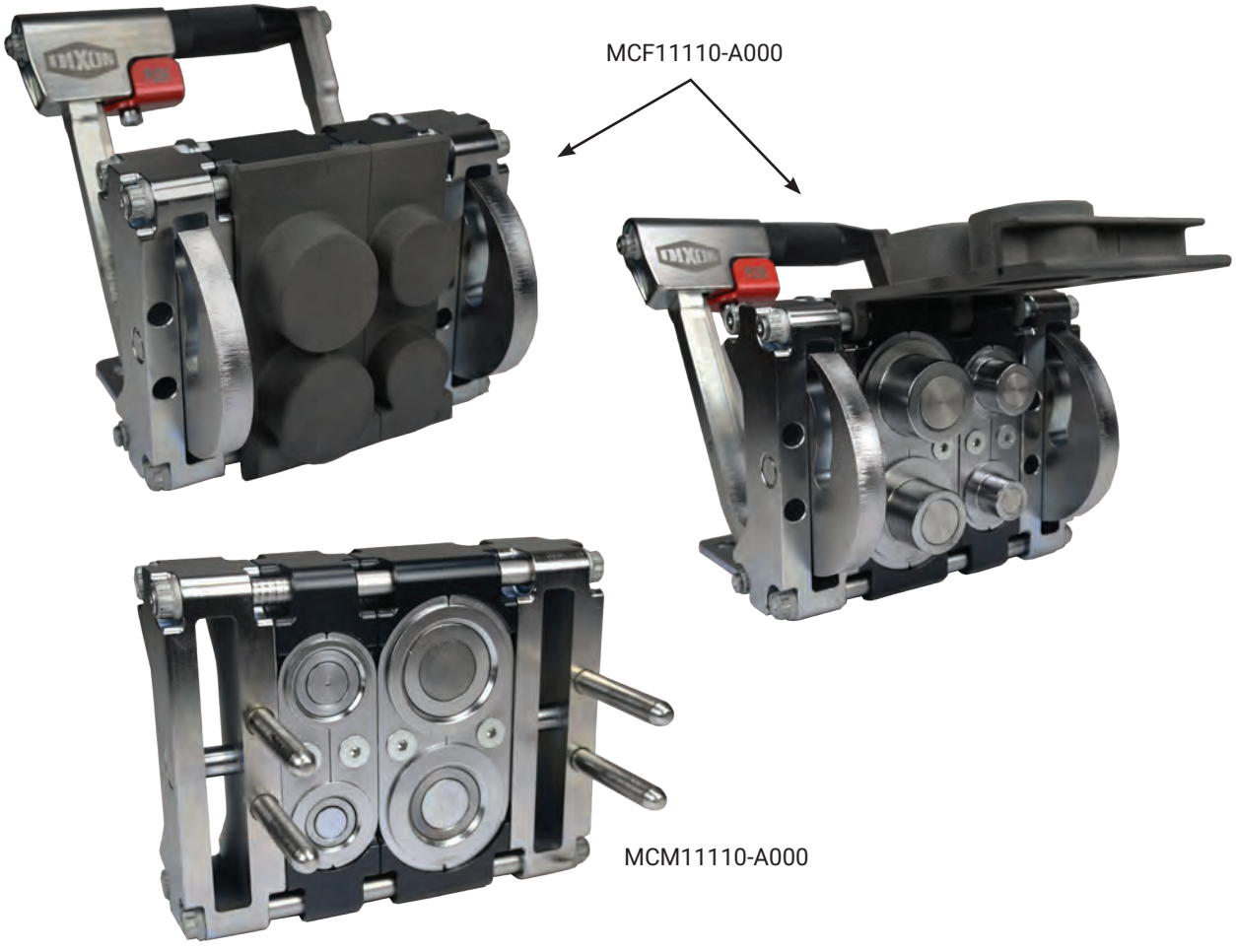
Modular Connection System (MCS)

Applications
• Agricultural, automotive, demolition, die casting, mobile construction equipment, oil and gas, railroad, snow and ice removal, steel, forestry, and mining

Sizes
• 1/4", 3/8”, 1/2”, 3/4”, and 1”

Features
• A single system that holds multiple hydraulic quick couplings
• Modularity: Blocks can be configured to meet customer needs (patent pending)
• Innovative coupling retention system for easy field repair (patent pending)
• Versatile: Up to 10 couplings can be used at once depending on size
• 450+ configurations possible
• 17-4 stainless steel alignment pins maximize corrosion resistance
• Cam-style latching mechanism helps provide a smooth connection
• HTE (male) and HTZ (female) coupling technology enables connections under residual pressure
• Lockout/Tagout capable

Approvals
• All working configurations approved **3,000 PSI** working pressure
• Working pressure up to **5,000 PSI** may be possible in certain configurations with consultation. Please contact Dixon®.



Modular Connection System (MCS)
Part Number Key

Modular Connection System Ex. MCF22010-B001		MC	Half Designator	Number of 1" Fittings	Number of 3/4" Fittings	Number of 1/2" Fittings	Number of 3/8" Fittings	Number of 1/4" Fittings	Variant Category	Variant Number
			F-M	0-4	0-4	0-X	0-X	0-X	A-K	000-999
Half Designator	**Code**									
Fixed	F									
Mobile	M									
Number of 1" Fittings	**Code**									
Zero to four	0-4									
Number of 3/4" Fittings	**Code**									
Zero to four	0-4									
Number of 1/2" Fittings	**Code**									
Zero to nine	0-9									
Ten	X									
Number of 3/8" Fittings	**Code**									
Zero to nine	0-9									
Ten	X									
Number of 1/4" Fittings	**Code**									
Zero to nine	0-9									
Ten	X									
Variant Category	**Code**									
Default	A									
Fitting arrangement	B									
Custom thread ends	C									
Custom dust caps	D									
Electrical connections	E									
Custom seals	F									
Custom labeling	G									
Custom anodization	H									
Multiple variations	J									
Custom brackets	K									
Variant Number	**Code**									
000 to 999	000-999									

NOTE: The MCS utilizes nitrile rubber seals and NPTF end connections unless otherwise specified. Certain configurations may require consultation. Contact Dixon® for more information.

K

H-Series Hydraulic Couplings

Features
- Poppet style shut-off valves in both coupler and plug
- Interchangeable with Hansen® HK, Faster® HNV, Stucchi® IRB/IRBO/IRBX, Parker® 60-Series, Snap-tite 72-Series, Eaton®/Aeroquip® FD 45. See hydraulic profile chart on page 499
- Contact Dixon® for pressure ratings and other technical information
- Contact Dixon for additional seal material options

Specification
- Nitrile seals standard providing temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

Approval
- Meets dimensional requirements of ISO7241 Series B

steel

brass

303 stainless

ISO-B Female Threaded Couplers

Body Size	Threads	Steel Part #	Brass Part #
1/8"	1/8" – 27 NPTF	1HF1	1HF1-B
	7/16" – 20 ORB	1HOF2	---
1/4"	1/4" – 18 NPTF	2HF2	2HF2-B
	1/4" – 19 BSPP	2HBF2	2HBF2-B
	9/16" – 18 ORB	2HOF3	---
3/8"	3/8" – 18 NPTF	3HF3	3HF3-B
	3/8" – 19 BSPP	3HBF3	3HBF3-B
	3/4" – 16 ORB	3HOF4	---
1/2"	1/2" – 14 NPTF	4HF4	4HF4-B
	1/2" – 14 BSPP	4HBF4	4HBF4-B
	7/8" – 14 ORB	4HOF5	---
3/4"	3/4" – 14 NPTF	6HF6	6HF6-B
	3/4" – 14 BSPP	6HBF6	6HBF6-B
	1-1/16" – 12 ORB	6HOF6	---
1"	1" – 11-1/2 NPTF	8HF8	8HF8-B
	1" – 11 BSPP	8HBF8	8HBF8-B
	1-5/16" – 12 ORB	8HOF8	---

Body Size	Threads	303 Stainless Steel Part #	316 Stainless Steel Part #
1/8"	1/8" – 27 NPTF	1HF1-S	1HF1-SS
1/4"	1/4" – 18 NPTF	2HF2-S	2HF2-SS
	1/4" – 19 BSPP	2HBF2-S	2HBF2-SS
3/8"	3/8" – 18 NPTF	3HF3-S	3HF3-SS
	3/8" – 19 BSPP	3HBF3-S	3HBF3-SS
1/2"	1/2" – 14 NPTF	4HF4-S	4HF4-SS
	1/2" – 14 BSPP	4HBF4-S	4HBF4-SS
3/4"	3/4" – 14 NPTF	6HF6-S	6HF6-SS
	3/4" – 14 BSPP	6HBF6-S	6HBF6-SS
1"	1" – 11-1/2 NPTF	8HF8-S	8HF8-SS
	1" – 11 BSPP	8HBF8-S	8HBF8-SS

H-Series Hydraulic Couplings

ISO-B Female Threaded Plugs

Body Size	Threads	Steel Part #	Brass Part #
1/8"	1/8" – 27 NPTF	H1F1	H1F1-B
	7/16" – 20 ORB	H1OF2	---
1/4"	1/4" – 18 NPTF	H2F2	H2F2-B
	1/4" – 19 BSPP	H2BF2	H2BF2-B
	9/16" – 18 ORB	H2OF3	---
3/8"	3/8" – 18 NPTF	H3F3	H3F3-B
	3/8" – 19 BSPP	H3BF3	H3BF3-B
	3/4" – 16 ORB	H3OF4	---
1/2"	1/2" – 14 NPTF	H4F4	H4F4-B
	1/2" – 14 BSPP	H4BF4	H4BF4-B
	7/8" – 14 ORB	H4OF5	---
3/4"	3/4" – 14 NPTF	H6F6	H6F6-B
	3/4" – 14 BSPP	H6BF6	H6BF6-B
	1-1/16" – 12 ORB	H6OF6	---
1"	1" – 11-1/2 NPTF	H8F8	H8F8-B
	1" – 11 BSPP	H8BF8	H8BF8-B
	1-5/16" – 12 ORB	H8OF8	---

steel

brass

Body Size	Threads	303 Stainless Steel Part #	316 Stainless Steel Part #
1/8"	1/8" – 27 NPTF	H1F1-S	H1F1-SS
1/4"	1/4" – 18 NPTF	H2F2-S	H2F2-SS
	1/4" – 19 BSPP	H2BF2-S	H2BF2-SS
3/8"	3/8" – 18 NPTF	H3F3-S	H3F3-SS
	3/8" – 19 BSPP	H3BF3-S	H3BF3-SS
1/2"	1/2" – 14 NPTF	H4F4-S	H4F4-SS
	1/2" – 14 BSPP	H4BF4-S	H4BF4-SS
3/4"	3/4" – 14 NPTF	H6F6-S	H6F6-SS
	3/4" – 14 BSPP	H6BF6-S	H6BF6-SS
1"	1" – 11-1/2 NPTF	H8F8-S	H8F8-SS
	1" – 11 BSPP	H8BF8-S	H8BF8-SS

303 stainless

K

ISO-B Male Threaded Plugs

Body Size	Threads	Steel Part #
1/4"	1/4" – 18 NPTF	H2M2
1/4"	3/8" – 18 NPTF	H2M3

Body Size	Threads	303 Stainless Steel Part #
1/2"	3/4" – 14 NPTF	H4M6-S

H-Series Hydraulic Couplings

ISO-B High Volume Female Threaded Couplers

steel

brass

303 stainless

316 stainless

Body Size	Threads	Steel Part #	Brass Part #	303 Stainless Steel Part #	316 Stainless Steel Part #
1-1/4"	1-1/4" – 11-1/2 NPTF	10HF10	10HF10-B	10HF10-S	10HF10-SS
	1-1/4" – 11 BSPP	10HBF10	---	---	10HBF10-SS
1-1/2"	1-1/4" – 11-1/2 NPTF	12HF10	12HF10-B	12HF10-S	---
	1-5/8" – 12 ORB	12HOF10	---	---	---
	1-1/2" – 11-1/2 NPTF	12HF12	12HF12-B	12HF12-S	12HF12-SS
	1-1/2" – 11 BSPP	12HBF12	12HBF12-B	12HBF12-S	12HBF12-SS
	1-7/8" – 12 ORB	12HOF12	---	---	---
2-1/2"	2" – 11-1/2 NPTF	20HF16	20HF16-B	---	---
	2-1/2" – 8 NPTF	20HF20	---	---	---
	3" – 8 NPTF	20HF24	---	---	---

K

ISO-B High Volume Female Threaded Plugs

steel

brass

303 stainless

316 stainless

Body Size	Threads	Steel Part #	Brass Part #	303 Stainless Steel Part #	316 Stainless Steel Part #
1-1/4"	1-1/4" – 11-1/2 NPTF	H10F10	H10F10-B	H10F10-S	H10F10-SS
	1-1/4" – 11 BSPP	H10BF10	---	---	H10BF10-SS
1-1/2"	1-1/4" – 11-1/2 NPTF	H12F10	H12F10-B	H12F10-S	---
	1-5/8" – 12 ORB	H12OF10	---	---	---
	1-1/2" – 11-1/2 NPTF	H12F12	H12F12-B	H12F12-S	H12F12-SS
	1-1/2" – 11 BSPP	H12BF12	H12BF12-B	H12BF12-S	H12BF12-SS
	1-7/8" – 12 ORB	H12OF12	---	---	---
2-1/2"	2" – 11-1/2 NPTF	H20F16	H20F16-B	---	---
	2-1/2" – 8 NPTF	H20F20	---	---	---
	3" – 8 NPTF	H20F24	---	---	---

H-Series Hydraulic Couplings

ISO-B Steel Mill 'Slide Gate' Female Threaded Couplers

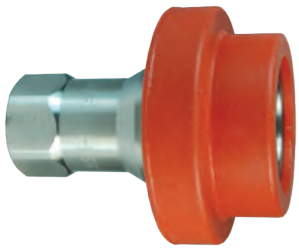
Body Size	Female Threads	Steel Part #
1/2"	1/2" – 14 NPTF	4HF4-HV

ISO-B Steel Mill 'Slide Gate' Female Threaded Plugs

Body Size	Female Threads	Steel Part #
1/2"	1/2" – 14 NPTF	H4F4-HV

ISO-B Food Grade Silicone Flanged Female Threaded Couplers

Body Size	Female Threads	303 Stainless Steel Part #	316 Stainless Steel Part #
1/2"	1/2" – 14 NPTF	D-4HF4-S-FSB	D-4HF4-SS-FSB



K

ISO-B Food Grade Nylon Flanged Female Threaded Couplers

Body Size	Female Threads	303 Stainless Steel Part #	316 Stainless Steel Part #
1/2"	1/2" – 14 NPTF	D-4HF4-S-FNS	D-4HF4-SS-FNS

ISO-B Food Grade Female Threaded Plugs

Body Size	Female Threads	Steel Part #	303 Stainless Steel Part #	316 Stainless Steel Part #
1/2"	1/2" – 14 NPTF	D-H4F4-SV-8	D-H4F4-S	D-H4F4-SS

H-Series Hydraulic Couplings

ISO-B Dust Caps / Plugs

Body Size	Nitrile Part #
1/8"	1HDP
	H1DC
1/4"	2HDP-H2DC
3/8"	3HDP-H3DC
1/2"	4HDP-H4DC
3/4"	6HDP-H6DC
1"	8HDP-H8DC[1]

[1] 8HDP-H8DC fits both 1" and 1-1/4" body sizes

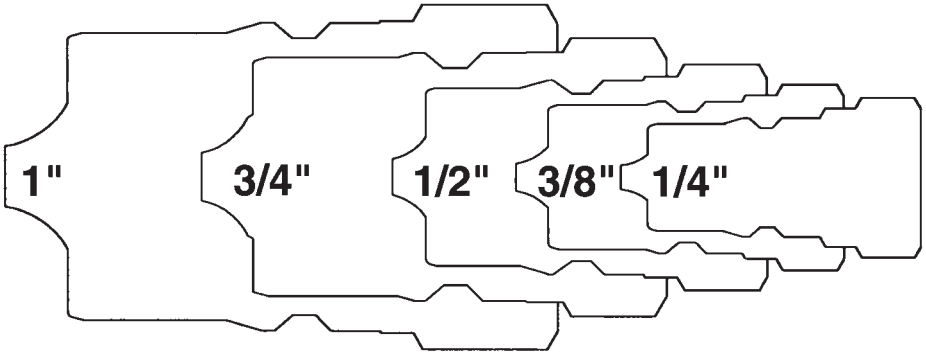
ISO-B Rigid Dust Plugs

Body Size	Aluminum body with steel cable Part #
1/4"	2HDP-A
3/8"	3HDP-A
1/2"	4HDP-A
3/4"	6HDP-A
1"	8HDP-A
1-1/2"	12HDP-A
2-1/2"	20HDP-A

ISO-B Rigid Dust Caps

Body Size	Aluminum body with steel cable Part #
1/4"	H2DC-A
3/8"	H3DC-A
1/2"	H4DC-A
3/4"	H6DC-A
1"	H8DC-A
1-1/2"	H12DC-A
2-1/2"	H20DC-A

Plug Profiles



Industry/Competitor Interchange

ISO7241-B
Hansen® HK
Eaton®/Aeroquip® FD45
Faster® HNV
Stucchi® IRB/IRBO/IRBX
Parker® 60-Series
Snap-tite® 72-Series

H-BOP Series Hydraulic Couplings

Application
- Designed specifically for blowout preventer systems on drilling rigs

Features
- Steel coupler sleeves are hardened to resist deformation and maximize service life
- Individually marked with the BOP series designation
- Interchangeable with ISO7241 Series B, Eaton®/Hansen® HKFR-Series, DNP HNV-BOP Series

Specification
- Pressure rating **5000 PSI** at **70°F (21°C)**

Approval
- Fire tested and Lloyd's certified to **1300°F (700°C)** in accordance with API 16D; certificate available upon request

Blowout Preventer Safety Female Couplers

Body Size	Female Threads	Steel Part #	316 Stainless Steel Part #
3/8"	3/8" – 18 NPTF	3HF3-BOP	3HF3-SS-BOP
1/2"	1/2" – 14 NPTF	4HF4-BOP	4HF4-SS-BOP
3/4"	3/4" – 14 NPTF	6HF6-BOP	6HF6-SS-BOP
1"	1" – 11-1/2 NPTF	8HF8-BOP	8HF8-SS-BOP

Blowout Preventer Safety Female Plugs

Body Size	Female Threads	Steel Part #	316 Stainless Steel Part #
3/8"	3/8" – 18 NPTF	H3F3-BOP	H3F3-SS-BOP
1/2"	1/2" – 14 NPTF	H4F4-BOP	H4F4-SS-BOP
3/4"	3/4" – 14 NPTF	H6F6-BOP	H6F6-SS-BOP
1"	1" – 11-1/2 NPTF	H8F8-BOP	H8F8-SS-BOP

HS-Series Hydraulic Couplings

WARNING: Do not disconnect under pressure!

Application
- Designed exclusively for steam applications

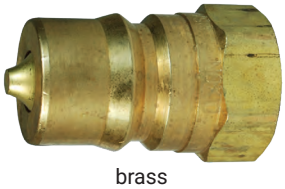
Feature
- Coupler has a large plated steel sleeve designed for easier gripping with gloves

Specifications
- Special high-temp EPDM O-rings designed for steam service providing a temperature range of -**70°F** to **400°F** (-**57°C** to **204°C**)
- Rated to **200 PSI** gauge saturated steam **382°F (194°C)**

brass

303 stainless

steel



brass

303 stainless

ISO-B Steam Interchange Female Threaded Couplers

Body Size	Threads	Brass Part #	303 Stainless Steel Part #
1/4"	1/4" – 18 NPTF	2HSF2-B	2HSF2-S
	1/4" – 19 BSPP	2HSBF2-B	2HSBF2-S
3/8"	3/8" – 18 NPTF	3HSF3-B	3HSF3-S
	3/8" – 19 BSPP	3HSBF3-B	3HSBF3-S
1/2"	1/2" – 14 NPTF	4HSF4-B	4HSF4-S
	1/2" – 14 BSPP	4HSBF4-B	4HSBF4-S
3/4"	3/4" – 14 NPTF	6HSF6-B	6HSF6-S
	3/4" – 14 BSPP	6HSBF6-B	6HSBF6-S
1"	1" – 11-1/2 NPTF	8HSF8-B	8HSF8-S
	1" – 11 BSPP	8HSBF8-B	8HSBF8-S
1-1/2"	1-1/2" – 11-1/2 NPTF	PS-12HF12-B	PS-12HF12-S

ISO-B Steam Interchange Female Threaded Plugs

Body Size	Threads	Steel Part #	Brass Part #	303 Stainless Steel Part #
1/4"	1/4" – 18 NPTF	HS2F2	HS2F2-B	HS2F2-S
	1/4" – 19 BSPP	HS2BF2	HS2BF2-B	HS2BF2-S
3/8"	3/8" – 18 NPTF	HS3F3	HS3F3-B	HS3F3-S
	3/8" – 19 BSPP	HS3BF3	HS3BF3-B	HS3BF3-S
1/2"	1/2" – 14 NPTF	HS4F4	HS4F4-B	HS4F4-S
	1/2" – 14 BSPP	HS4BF4	HS4BF4-B	HS4BF4-S
3/4"	3/4" – 14 NPTF	HS6F6	HS6F6-B	HS6F6-S
	3/4" – 14 BSPP	HS6BF6	HS6BF6-B	HS6BF6-S
1"	1" – 11-1/2 NPTF	HS8F8	HS8F8-B	HS8F8-S
	1" – 11 BSPP	HS8BF8	HS8BF8-B	HS8BF8-S
1-1/2"	1-1/2" – 11-1/2 NPTF	PS-H12F12	PS-H12F12-B	PS-H12F12-S

WARNING: Misuse of this product can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been tested and approved by Dixon® for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

WARNING: Worn-out hose couplings can be dangerous. Coupling users should be trained in proper use, application, and the use of safety devices where indicated. Training should also include how to inspect for wear, so couplings are replaced when needed.

K-Series Hydraulic Couplings

Features
- Poppet style shut-off valves in both coupler and plug
- Interchangeable with Aeroquip®/Eaton® FD56 (5600), ISO-A 7241 interchange, Stucchi® BIR, Parker® 6600-Series, Faster® ANV, and Safeway® S56-Series. See Hydraulic Profile Chart on page 504
- Contact Dixon® for additional seal material options, pressure ratings and other technical information

Specification
- Nitrile rubber seal standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

ISO-A Interchange Female Threaded Couplers

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
1/4"	1/8" – 27 NPTF	2KF1	---
	1/4" – 18 NPTF	2KF2	2KF2-SS
	1/4" – 19 BSPP	2KBF2	2KBF2-SS
	7/16" – 20 ORB	2KOF2	---
3/8"	3/8" – 18 NPTF	3KF3	3KF3-SS
	3/8" – 19 BSPP	3KBF3	3KBF3-SS
	9/16" – 18 ORB	3KOF3	---
1/2"	1/2" – 14 NPTF	4KF4	4KF4-SS
	1/2" – 14 BSPP	4KBF4	4KBF4-SS
	3/4" – 16 ORB	4KOF4	---
	7/8" – 14 ORB	4KOF5	---
	3/4" – 14 NPTF	4KF6	---
3/4"	3/4" – 14 NPTF	6KF6	6KF6-SS
	3/4" – 14 BSPP	6KBF6	6KBF6-SS
	1-1/16" – 12 ORB	6KOF6	---
1"	1" – 11-1/2 NPTF	8KF8	8KF8-SS
	1" – 11 BSPP	8KBF8	8KBF8-SS
	1-5/16" – 12 ORB	8KOF8	---
1-1/4"	1-1/4" – 11-1/2 NPT	10KF10	---
	1-1/4" – 11 BSPP	10KBF10	---
1-1/2"	1-1/2" – 11-1/2 NPT	12KF12	---
	1-1/2" – 11 BSPP	12KBF12	---
2"	2" – 11-1/2 NPT	16KF16	---
	2" – 11 BSPP	16KBF16	---

4KF4 -steel

6KF6 - steel

10KF10 -steel

K

K-Series Hydraulic Couplings

ISO-A Interchange Female Threaded Plugs

K4F4 - steel

K6F6 - steel

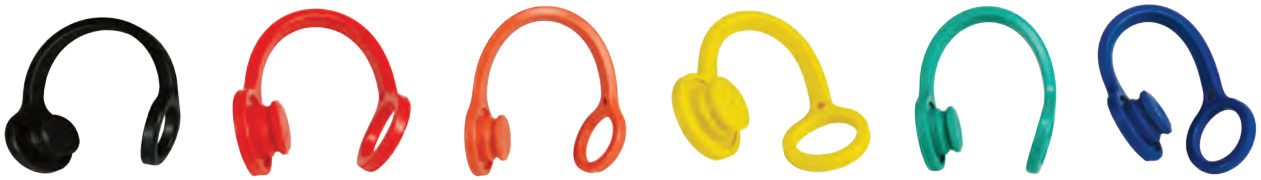
Body Size	Threads	Steel Part #	316 Stainless Steel Part #
1/4"	1/8" – 27 NPTF	K2F1	---
	1/4" – 18 NPTF	K2F2	K2F2-SS
	1/4" – 19 BSPP	K2BF2	K2BF2-SS
	7/16" – 20 ORB	K2OF2	---
3/8"	3/8" – 18 NPTF	K3F3	K3F3-SS
	3/8" – 19 BSPP	K3BF3	K3BF3-SS
	9/16" – 18 ORB	K3OF3	---
1/2"	1/2" – 14 NPTF	K4F4	K4F4-SS
	1/2" – 14 BSPP	K4BF4	K4BF4-SS
	3/4" – 16 ORB	K4OF4	---
	7/8" – 14 ORB	K4OF5	---
	3/4" – 14 NPTF	K4F6	---
3/4"	3/4" – 14 NPTF	K6F6	K6F6-SS
	3/4" – 14 BSPP	K6BF6	K6BF6-SS
	1-1/16" – 12 ORB	K6OF6	---
1"	1" – 11-1/2 NPTF	K8F8	K8F8-SS
	1" – 11 BSPP	K8BF8	K8BF8-SS
	1-5/16" – 12 ORB	K8OF8	---
1-1/4"	1-1/4" – 11-1/2 NPT	K10F10	---
	1-1/4" – 11 BSPP	K10BF10	---
1-1/2"	1-1/2" – 11-1/2 NPT	K12F12	---
	1-1/2" – 11 BSPP	K12BF12	---
2"	2" – 11-1/2 NPT	K16F16	---
	2" – 11 BSPP	K16BF16	---

K-Series Hydraulic Couplings

ISO-A Interchange Dust Caps/Plugs

Body Size	Nitrile Part #
1/4"	2KDP-K2DC
3/8"	3KDP-K3DC
3/4"	6KDP-K6DC
1"	8KDP-K8DC

ISO-A Interchange Color Coded Dust Plugs



Body Size	Color	Nitrile Part #
1/2"	black	4KDP
	red	4K-R-DP
	orange	4K-O-DP
	yellow	4K-Y-DP
	green	4K-G-DP
	blue	4K-B-DP

ISO-A Interchange Color Coded Dust Caps

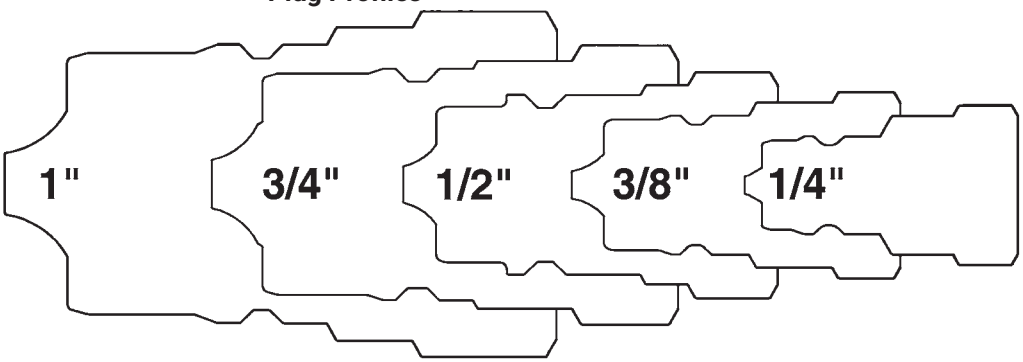
Body Size	Color	Nitrile Part #
1/2"	black	K4DC
	red	K4-R-DC
	orange	K4-O-DC
	yellow	K4-Y-DC
	green	K4-G-DC
	blue	K4-B-DC

K

Industry/Competitor Interchange

ISO7241-A
Eaton/Aeroquip® 5600
Faster® ANV
Safeway® S56
Stucchi® BIR
Parker® 6600

Plug Profiles



AG-Series Hydraulic Couplings

Application

- Used on construction equipment, farm implements, and most other mobile equipment

Features

- Ball valve and poppet valve options available
- Interchangeable with Pioneer® 4000 series, Faster® NS/NV, Safeway® S20, and Stucchi® IR-series. See Hydraulic Profile Chart on page 507
- Contact Dixon® for pressure ratings and other technical information

Specification

- Nitrile rubber seal standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

Agricultural Ball Valve Female Threaded Couplers

Body Size	Threads	Steel Part #
1/4"	1/4" – 18 NPTF	2AGF2
3/8"	3/8" – 18 NPTF	3AGF3
1/2"	1/2" – 14 NPTF	4AGF4
	1/2" – 14 BSPP	4AGBF4
	3/4" – 16 ORB	4AGOF4
	7/8" – 14 ORB	4AGOF5
	3/4" – 14 NPTF	4AGF6
3/4"	3/4" – 14 NPTF	6AGF6
1"	1" – 11-1/2 NPTF	8AGF8

K

Agricultural Poppet Valve Female Threaded Couplers

Body Size	Threads	Steel Part #
1/4"	1/4" – 18 NPTF	2AGF2-PV
3/8"	3/8" – 18 NPTF	3AGF3-PV
1/2"	1/2" – 14 NPTF	4AGF4-PV
	1/2" – 14 BSPP	4AGBF4-PV
	3/4" – 16 ORB	4AGOF4-PV
	7/8" – 14 ORB	4AGOF5-PV
	3/4" – 14 NPTF	4AGF6-PV
3/4"	3/4" – 14 NPTF	6AGF6-PV
1"	1" – 11-1/2 NPTF	8AGF8-PV

Agricultural Push-Pull Ball Valve Female Threaded Couplers

Body Size	Threads	Steel Part #
1/2"	1/2" – 14 NPTF	4AGF4-PS
	3/4" – 16 ORB	4AGOF4-PS
	7/8" – 14 ORB	4AGOF5-PS
	3/4" – 14 NPTF	4AGF6-PS

Agricultural Push-Pull Poppet Valve Female Threaded Couplers

Body Size	Threads	Steel Part #
1/2"	1/2" – 14 NPTF	4AGF4-PV-PS
	3/4" – 16 ORB	4AGOF4-PV-PS
	7/8" – 14 ORB	4AGOF5-PV-PS
	3/4" – 14 NPTF	4AGF6-PV-PS

AG-Series Hydraulic Couplings

Agricultural Ball Valve Female Threaded Plugs

Body Size	Threads	Steel Part #
1/4"	1/4" – 18 NPTF	AG2F2
3/8"	3/8" – 18 NPTF	AG3F3
1/2"	1/2" – 14 NPTF	AG4F4
	1/2" – 14 BSPP	AG4BF4
	3/4" – 16 ORB	AG4OF4
	7/8" – 14 ORB	AG4OF5
	3/4" – 14 NPTF	AG4F6
3/4"	3/4" – 14 NPTF	AG6F6
1"	1" – 11-1/2 NPTF	AG8F8

Agricultural Poppet Valve Female Threaded Plugs

Body Size	Threads	Steel Part #
1/4"	1/4" – 18 NPTF	AG2F2-PV
3/8"	3/8" – 18 NPTF	AG3F3-PV
1/2"	1/2" – 14 NPTF	AG4F4-PV
	1/2" – 14 BSPP	AG4BF4-PV
	3/4" – 16 ORB	AG4OF4-PV
	7/8" – 14 ORB	AG4OF5-PV
	3/4" – 14 NPTF	AG4F6-PV
3/4"	3/4" – 14 NPTF	AG6F6-PV
1"	1" – 11-1/2 NPTF	AG8F8-PV

AG-Series Agricultural Interchange Connect Under Residual Pressure Plug (Female Threads)

Body Size	Part Detail			Length		Maximum O.D.		Hex Inch
	Part #	Threads	Material	Inch	mm	Inch	mm	
1/2"	AGE4F4-PV	1/2" – 14 NPTF	steel	2.03	51.56	1.20	30.48	1-1/16"
	AGE4OF4-PV	3/4" – 16 ORB						

K

Agricultural Dust Plugs

Body Size	Elastomer Part #
1/4"	2AGDP
3/8"	3AGDP
1/2"	For 1/2" Please refer to the color coded K-series dust plugs on pg. 503
3/4"	6AGDP
1"	8AGDP

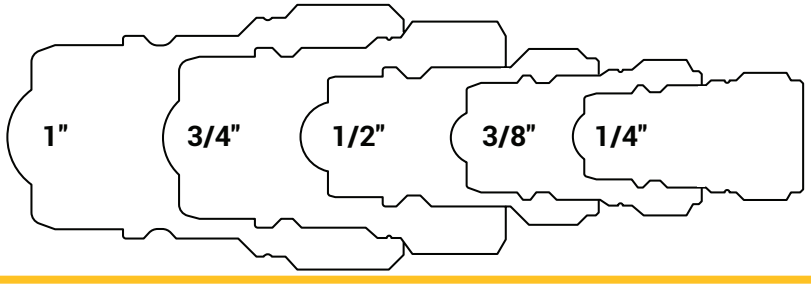
Agricultural Dust Caps

Body Size	Elastomer Part #
1/4"	AG2DC
3/8"	AG3DC
1/2"	For 1/2" Please refer to the color coded K-series dust caps on pg. 503
3/4"	AG6DC
1"	AG8DC

Industry/Competitor Interchange

Pioneer® 4000
Safeway® S20
Faster® NS/NV
Stucchi® IR

Plug Profiles



AG-Series Hydraulic Couplings

John Deere Coupler x AG-Series Agricultural Interchange Poppet Valve Plug Adapter

Body Size	Threads	Steel Part #
1/2"	N/A	4JDAG4

AG-Series Agricultural Interchange Poppet Coupler x John Deere Plug Adapter

Body Size	Threads	Steel Part #
1/2"	N/A	4AGJD4

AG-Series Agricultural Interchange Ball Valve Coupler x International Harvest Plug Adapter

Body Size	Threads	Steel Part #
1/2"	N/A	4AGIH4

K

John Deere Interchange Plug x Female Threads

Body Size	Threads	Steel Part #
1/2"	1/2" – 14 NPTF	JD4F4
	3/4" – 16 ORB	JD4OF4

International Harvester Interchange Plug x Female Threads

Body Size	Threads	Steel Part #
1/2"	1/2" – 14 NPTF	IH4F4

V-Series Hydraulic Couplings

Features

- General purpose hydraulic quick-connect provides superior flow characteristics for a variety of applications
- Interchangeable with Foster® FH/HS, Faster® TNV/TNL, Parker®, and Snap-tite H/IH, see Hydraulic Profile Chart on page 515
- Contact Dixon® for additional seal material options
- Contact Dixon for pressure ratings and other technical information

Specification

- Nitrile seal standard providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

Interchange Valved Female Threaded Couplers

Body Size	Threads	Steel Part #	Brass Part #
1/4"	1/8" – 27 NPTF	2VF1	---
	1/4" – 18 NPTF	2VF2	2VF2-B
	1/4" – 19 BSPP	2VBF2	2VBF2-B
	7/16" – 20 ORB	2VOF2	---
3/8"	3/8" – 18 NPTF	3VF3	3VF3-B
	3/8" – 19 BSPP	3VBF3	3VBF3-B
	9/16" – 18 ORB	3VOF3	---
	1/2" – 14 NPTF	3VF4	---
1/2"	1/2" – 14 NPTF	4VF4	4VF4-B
	1/2" – 14 BSPP	4VBF4	4VBF4-B
	3/4" – 16 ORB	4VOF4	---
	3/4" – 14 NPTF	4VF6	---
3/4"	3/4" – 14 NPTF	6VF6	6VF6-B
	3/4" – 14 BSPP	6VBF6	6VBF6-B
	1-1/16" – 12 ORB	6VOF6	---
1"	1" – 11-1/2 NPTF	8VF8	8VF8-B
	1" – 11 BSPP	8VBF8	8VBF8-B
	1-5/16" – 12 ORB	8VOF8	---
1-1/4"	1-1/4" – 11-1/2 NPTF	10VF10	10VF10-B
	1-1/4" – 11 BSPP	10VBF10	10VBF10-B
	1-5/8" – 12 ORB	10VOF10	---
1-1/2"	1-1/2" – 11-1/2 NPTF	12VF12	12VF12-B
	1-1/2" – 11 BSPP	12VBF12	12VBF12-B
	1-7/8" – 12 ORB	12VOF12	---
2"	2" – 11-1/2 NPTF	16VF16	16VF16-B
	2" – 11 BSPP	16VBF16	16VBF16-B

steel

brass

Body Size	Threads	316 Stainless Steel Part #
1/4"	1/4" – 18 NPTF	2VF2-SS
	1/4" – 19 BSPP	2VBF2-SS
3/8"	3/8" – 18 NPTF	3VF3-SS
	3/8" – 19 BSPP	3VBF3-SS
1/2"	1/2" – 14 NPTF	4VF4-SS
	1/2" – 14 BSPP	4VBF4-SS
3/4"	3/4" – 14 NPTF	6VF6-SS
	3/4" – 14 BSPP	6VBF6-SS
1"	1" – 11-1/2 NPTF	8VF8-SS
	1" – 11 BSPP	8VBF8-SS
1-1/4"	1-1/4" – 11-1/2 NPTF	10VF10-SS
	1-1/4" – 11 BSPP	10VBF10-SS
1-1/2"	1-1/2" – 11-1/2 NPTF	12VF12-SS
	1-1/2" – 11 BSPP	12VBF12-SS
2"	2" – 11-1/2 NPTF	16VF16-SS
	2" – 11 BSPP	16VBF16-SS

stainless steel

V-Series Hydraulic Couplings

Interchange Valved Male Threaded Couplers

steel

brass

316 stainless

steel - JIC

Body Size	Threads	Steel Part #	Brass Part #	316 Stainless Steel Part #
1/4"	1/8" – 27 NPTF	2VM1	---	---
	1/4" – 18 NPTF	2VM2	2VM2-B	2VM2-SS
	7/16" – 20 JIC	2VJM2	---	---
3/8"	3/8" – 18 NPTF	3VM3	3VM3-B	3VM3-SS
	9/16" – 18 JIC	3VJM3	---	---
1/2"	1/2" – 14 NPTF	4VM4	4VM4-B	4VM4-SS
	3/4" – 16 JIC	4VJM4	---	---
3/4"	3/4" – 14 NPTF	6VM6	6VM6-B	6VM6-SS
	1-1/16" – 12 JIC	6VJM6	---	---
1"	1" – 11-1/2 NPTF	8VM8	8VM8-B	8VM8-SS
	1-5/16" – 12 JIC	8VJM8	---	---
1-1/4"	1-1/4" – 11-1/2 NPTF	10VM10	10VM10-B	10VM10-SS
	1-5/8" – 12 JIC	10VJM10	---	---
1-1/2"	1-1/2" – 11-1/2 NPTF	12VM12	12VM12-B	12VM12-SS
2"	2" – 11-1/2 NPTF	16VM16	16VM16-B	16VM16-SS

K

Interchange Valved Male Threaded Plugs

steel

brass

316 stainless

Body Size	Threads	Steel Part #	Brass Part #	316 Stainless Steel Part #
1/4"	1/8" – 27 NPTF	V2M1	---	---
	1/4" – 18 NPTF	V2M2	V2M2-B	V2M2-SS
	7/16" – 20 JIC	V2JM2	---	---
3/8"	3/8" – 18 NPTF	V3M3	V3M3-B	V3M3-SS
	9/16" – 18 JIC	V3JM3	---	---
1/2"	1/2" – 14 NPTF	V4M4	V4M4-B	V4M4-SS
	3/4" – 16 JIC	V4JM4	---	---
3/4"	3/4" – 14 NPTF	V6M6	V6M6-B	V6M6-SS
	1-1/16" – 12 JIC	V6JM6	---	---
1"	1" – 11-1/2 NPTF	V8M8	V8M8-B	V8M8-SS
	1-5/16" – 12 JIC	V8JM8	---	---
1-1/4"	1-1/4" – 11-1/2 NPTF	V10M10	V10M10-B	V10M10-SS
	1-5/8" – 12 JIC	V10JM10	---	---
1-1/2"	1-1/2" – 11-1/2 NPTF	V12M12	V12M12-B	V12M12-SS
2"	2" – 11-1/2 NPTF	V16M16	V16M16-B	V16M16-SS

V-Series Hydraulic Couplings

Interchange Valved Female Threaded Plugs

Body Size	Threads	Steel Part #	Brass Part #
1/4"	1/8" – 27 NPTF	V2F1	---
	1/4" – 18 NPTF	V2F2	V2F2-B
	1/4" – 19 BSPP	V2BF2	V2BF2-B
	7/16" – 20 ORB	V2OF2	---
3/8"	3/8" – 18 NPTF	V3F3	V3F3-B
	3/8" – 19 BSPP	V3BF3	V3BF3-B
	9/16" – 18 ORB	V3OF3	---
	1/2" – 14 NPTF	V3F4	---
1/2"	1/2" – 14 NPTF	V4F4	V4F4-B
	1/2" – 14 BSPP	V4BF4	V4BF4-B
	3/4" – 16 ORB	V4OF4	---
	3/4" – 14 NPTF	V4F6	---
3/4"	3/4" – 14 NPTF	V6F6	V6F6-B
	3/4" – 14 BSPP	V6BF6	V6BF6-B
	1-1/16" – 12 ORB	V6OF6	---
1"	1" – 11-1/2 NPTF	V8F8	V8F8-B
	1" – 11 BSPP	V8BF8	V8BF8-B
	1-5/16" – 12 ORB	V8OF8	---
1-1/4"	1-1/4" – 11-1/2 NPTF	V10F10	V10F10-B
	1-1/4" – 11 BSPP	V10BF10	V10BF10-B
	1-5/8" – 12 ORB	V10OF10	---
1-1/2"	1-1/2" – 11-1/2 NPTF	V12F12	V12F12-B
	1-1/2" – 11 BSPP	V12BF12	V12BF12-B
	1-7/8" – 12 ORB	V12OF12	---
2"	2" – 11-1/2 NPTF	V16F16	V16F16-B
	2" – 11 BSPP	V16BF16	V16BF16-B

steel

brass

K

Body Size	Threads	316 Stainless Steel Part #
1/4"	1/4" – 18 NPTF	V2F2-SS
	1/4" – 19 BSPP	V2BF2-SS
3/8"	3/8" – 18 NPTF	V3F3-SS
	3/8" – 19 BSPP	V3BF3-SS
1/2"	1/2" – 14 NPTF	V4F4-SS
	1/2" – 14 BSPP	V4BF4-SS
3/4"	3/4" – 14 NPTF	V6F6-SS
	3/4" – 14 BSPP	V6BF6-SS
1"	1" – 11-1/2 NPTF	V8F8-SS
	1" – 11 BSPP	V8BF8-SS
1-1/4"	1-1/4" – 11-1/2 NPTF	V10F10-SS
	1-1-/4" – 11 BSPP	V10BF10-SS
1-1/2"	1-1/2" – 11-1/2 NPTF	V12F12-SS
	1-1/2" – 11 BSPP	V12BF12-SS
2"	2" – 11-1/2 NPTF	V16F16-SS
	2" – 11 BSPP	V16BF16-SS

stainless steel

V-Series Hydraulic Couplings

steel

brass

Interchange Unvalved Female Threaded Couplers

Body Size	Threads	Steel Part #	Brass Part #
1/4"	1/4" – 18 NPTF	2VF2-E	2VF2-B-E
	1/4" – 19 BSPP	2VBF2-E	2VBF2-B-E
3/8"	3/8" – 18 NPTF	3VF3-E	3VF3-B-E
	3/8" – 19 BSPP	3VBF3-E	3VBF3-B-E
1/2"	1/2" – 14 NPTF	4VF4-E	4VF4-B-E
	1/2" – 14 BSPP	4VBF4-E	4VBF4-B-E
3/4"	3/4" – 14 NPTF	6VF6-E	6VF6-B-E
	3/4" – 14 BSPP	6VBF6-E	6VBF6-B-E
1"	1" – 11-1/2 NPTF	8VF8-E	8VF8-B-E
	1" – 11 BSPP	8VBF8-E	8VBF8-B-E
1-1/4"	1-1/4" – 11-1/2 NPTF	10VF10-E	10VF10-B-E
	1-1/4" – 11 BSPP	10VBF10-E	10VBF10-B-E
1-1/2"	1-1/2" – 11-1/2 NPTF	12VF12-E	12VF12-B-E
2"	2" – 11-1/2 NPTF	16VF16-E	16VF16-B-E

K

316 stainless

Body Size	Threads	316 Stainless Steel Part #
1/4"	1/4" – 18 NPTF	2VF2-SS-E
	1/4" – 19 BSPP	2VBF2-SS-E
3/8"	3/8" – 18 NPTF	3VF3-SS-E
	3/8" – 19 BSPP	3VBF3-SS-E
1/2"	1/2" – 14 NPTF	4VF4-SS-E
	1/2" – 14 BSPP	4VBF4-SS-E
3/4"	3/4" – 14 NPTF	6VF6-SS-E
	3/4" – 14 BSPP	6VBF6-SS-E
1"	1" – 11-1/2 NPTF	8VF8-SS-E
	1" – 11 BSPP	8VBF8-SS-E
1-1/4"	1-1/4" – 11-1/2 NPTF	10VF10-SS-E
	1-1/4" – 11 BSPP	10VBF10-SS-E
1-1/2"	1-1/2" – 11-1/2 NPTF	12VF12-SS-E
2"	2" – 11-1/2 NPTF	16VF16-SS-E

V-Series Hydraulic Couplings

Interchange Unvalved Male Threaded Couplers

Body Size	Threads	Steel Part #	Brass Part #	316 Stainless Steel Part #
1/4"	1/4" – 18 NPTF	2VM2-E	2VM2-B-E	2VM2-SS-E
3/8"	3/8" – 18 NPTF	3VM3-E	3VM3-B-E	3VM3-SS-E
1/2"	1/2" – 14 NPTF	4VM4-E	4VM4-B-E	4VM4-SS-E
3/4"	3/4" – 14 NPTF	6VM6-E	6VM6-B-E	6VM6-SS-E
1"	1" – 11-1/2 NPTF	8VM8-E	8VM8-B-E	8VM8-SS-E
11/4"	1-1/4" – 11-1/2 NPTF	10VM10-E	---	10VM10-SS-E
1-1/2"	1-1/2" – 11-1/2 NPTF	12VM12-E	---	12VM12-SS-E
2"	2" – 11-1/2 NPTF	16VM16-E	---	16VM16-SS-E

steel

brass

316 stainless

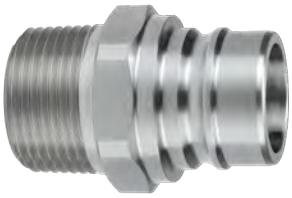
K

Interchange Unvalved Male Threaded Plugs

Body Size	Threads	Steel Part #	Brass Part #	316 Stainless Steel Part #
1/4"	1/4" – 18 NPTF	V2M2-E	V2M2-B-E	V2M2-SS-E
3/8"	3/8" – 18 NPTF	V3M3-E	V3M3-B-E	V3M3-SS-E
1/2"	1/2" – 14 NPTF	V4M4-E	V4M4-B-E	V4M4-SS-E
3/4"	3/4" – 14 NPTF	V6M6-E	V6M6-B-E	V6M6-SS-E
1"	1" – 11-1/2 NPTF	V8M8-E	V8M8-B-E	V8M8-SS-E
1-1/4"	1-1/4" – 11-1/2 NPTF	V10M10-E	---	V10M10-SS-E
1-1/2"	1-1/2" – 11-1/2 NPTF	V12M12-E	---	V12M12-SS-E
2"	2" – 11-1/2 NPTF	V16M16-E	---	V16M16-SS-E

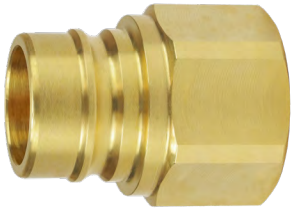
steel

brass


316 stainless

V-Series Hydraulic Couplings

steel



brass

Interchange Unvalved Female Threaded Plugs

Body Size	Threads	Steel Part #	Brass Part #
1/4"	1/4" – 18 NPTF	V2F2-E	V2F2-B-E
	1/4" – 19 BSPP	V2BF2-E	V2BF2-B-E
3/8"	3/8" – 18 NPTF	V3F3-E	V3F3-B-E
	3/8" – 19 BSPP	V3BF3-E	V3BF3-B-E
1/2"	1/2" – 14 NPTF	V4F4-E	V4F4-B-E
	1/2" – 14 BSPP	V4BF4-E	V4BF4-B-E
3/4"	3/4" – 14 NPTF	V6F6-E	V6F6-B-E
	3/4" – 14 BSPP	V6BF6-E	V6BF6-B-E
1"	1" – 11-1/2 NPTF	V8F8-E	V8F8-B-E
	1" – 11 BSPP	V8BF8-E	V8BF8-B-E
1-1/4"	1-1/4" – 11-1/2 NPTF	V10F10-E	V10F10-B-E
	1-1/4" – 11 BSPP	V10BF10-E	V10BF10-B-E
1-1/2"	1-1/2" – 11-1/2 NPTF	V12F12-E	V12F12-B-E
2"	2" – 11-1/2 NPTF	V16F16-E	V16F16-B-E

K

stainless steel

Body Size	Threads	316 Stainless Steel Part #
1/4"	1/4" – 18 NPTF	V2F2-SS-E
	1/4" – 19 BSPP	V2BF2-SS-E
3/8"	3/8" – 18 NPTF	V3F3-SS-E
	3/8" – 19 BSPP	V3BF3-SS-E
1/2"	1/2" – 14 NPTF	V4F4-SS-E
	1/2" – 14 BSPP	V4BF4-SS-E
3/4"	3/4" – 14 NPTF	V6F6-SS-E
	3/4" – 14 BSPP	V6BF6-SS-E
1"	1" – 11-1/2 NPTF	V8F8-SS-E
	1" – 11 BSPP	V8BF8-SS-E
1-1/4"	1-1/4" – 11-1/2 NPTF	V10F10-SS-E
	1-1/4" – 11 BSPP	V10BF10-SS-E
1-1/2"	1-1/2" – 11-1/2 NPTF	V12F12-SS-E
2"	2" – 11-1/2 NPTF	V16F16-SS-E

V-Series Hydraulic Couplings

Interchange Dust Caps / Plugs

Body Size	Nitrile Part #
1/4"	1HDP
	V2DC
3/8"	3VDP-V3DC
1/2"	3KDP-K3DC
3/4"	6VDP-V6DC
1"	8VDP-V8DC

Interchange Dust Plugs

Body Size	Aluminum body with steel cable Part #
1/4"	2VDP-A
3/8"	3VDP-A
1/2"	4VDP-A
3/4"	6VDP-A
1"	8VDP-A
1-1/4"	10VDP-A
1-1/2"	12VDP-A
2"	16VDP-A

K

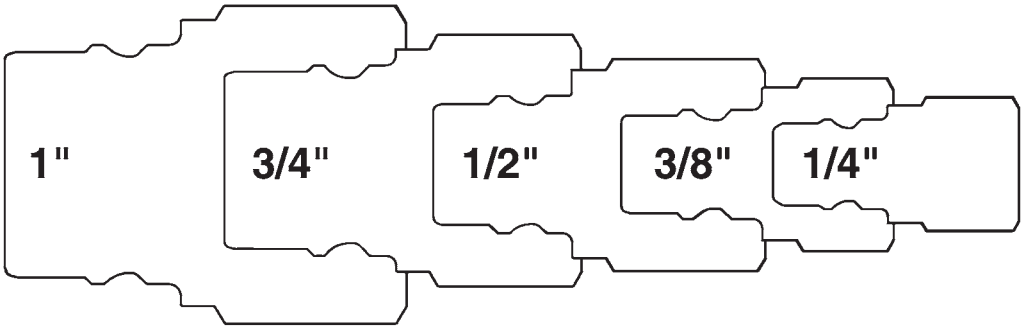
Interchange Dust Caps

Body Size	Aluminum body with steel cable Part #
1/4"	V2DC-A
3/8"	V3DC-A
1/2"	V4DC-A
3/4"	V6DC-A
1"	V8DC-A
1-1/4"	V10DC-A
1-1/2"	V12DC-A
2"	V16DC-A

Plug Profiles

Industry/Competitor Interchange

Faster® TNV
MIL-C-51234
Parker®/Snap-tite H/IH



TR-Series Hydraulic Couplings

Features

- Interchangeable with TEMA European, 3800, 5000, 7500, 10000 series and CEJN Series-525
- Valve seals are crimped in place to maintain integrity during excessive flow conditions and pressurized connection
- Contact Dixon® for pressure ratings and other technical information

Specification

- Nitrile rubber seal standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

TEMA European Female Threaded Couplers

Body Size	Threads	Steel Part #
3/8"	3/8" – 18 NPTF	3TRF3
	3/8" – 19 BSPP	3TRBF3
1/2"	1/2" – 14 NPTF	4TRF4
	1/2" – 14 BSPP	4TRBF4
3/4"	3/4" – 14 NPTF	6TRF6
	3/4" – 14 BSPP	6TRBF6
1"	1" – 11-1/2 NPTF	8TRF8
	1" – 11 BSPP	8TRBF8

TEMA European Female Threaded Plugs

Body Size	Threads	Steel Part #
3/8"	3/8" – 18 NPTF	TR3F3
	3/8" – 19 BSPP	TR3BF3
1/2"	1/2" – 14 NPTF	TR4F4
	1/2" – 14 BSPP	TR4BF4
3/4"	3/4" – 14 NPTF	TR6F6
	3/4" – 14 BSPP	TR6BF6
1"	1" – 11-1/2 NPTF	TR8F8
	1" – 11 BSPP	TR8BF8

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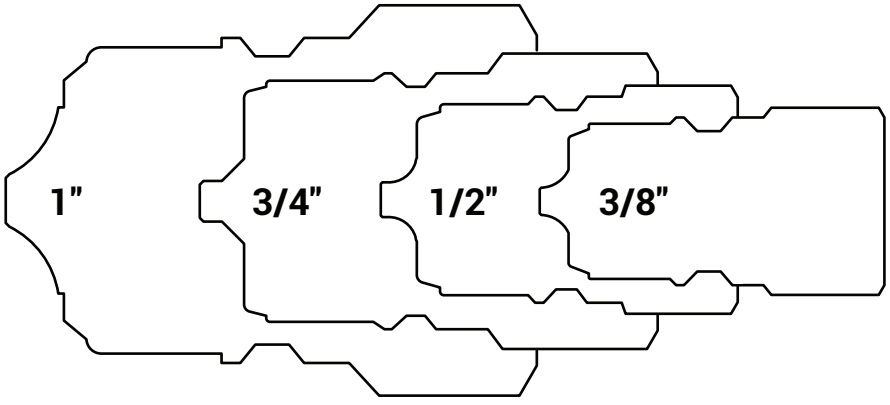
Industry/Competitor Interchange

TEMA European Interchange
TEMA 3800, 5000, 7500, 1000 Series
CEJN Series 525

Plug Profiles



Please contact Dixon for dust caps and dust plugs.

HT-Series Correct Connect®

Correct Connect shown on HT-Series couplers and plugs.

Challenges
- Time wasted identifying proper hose routing
- Equipment damage due to incorrect connections
- Product cross-contamination

Solution
- HT-Series Correct Connect color bands
- Easily identify seals, materials, or sizes for application
- Helps with preventative maintenance schedules
- Reduces setup time for more efficient hose routing

Applications
- Used in equipment for oilfield, industrial hydraulic, and construction

Sizes
- Body: 1/4" to 1"

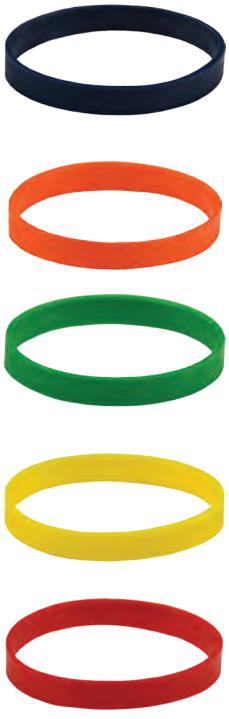
Features
- Blue band standard; color bands sold separately (orange, green, yellow, and red)
- No special tools required - field replaceable
- Also available in connect-under-pressure HTE-Series and HTZ-Series

Materials
- Steel and 316 stainless steel
- Nitrile/polyurethane seals standard; additional seal materials are available
- Polyurethane color bands

Specifications
- Temperature range: **-40°F to 212°F (-40°C to 100°C)** with standard seals
- **5,000 PSI** from 1/4" - 1"

Approvals
- ISO16028 interchange
- Interchangeable with Stucchi® FIRG - Series A, Faster® FFH, Holmbury HQ, Parker® FEM-Series, Hansen® FF, Eaton®/Aeroquip® FD89, Faster FFH/FFN/FFI/2FFN/2FFI, and Safeway® FF 40-Series

Body Size	Description	Blue Part #	Orange Part #	Green Part #	Yellow Part #	Red Part #
1/4"	coupler band	2HTBAND-B	2HTBAND-O	2HTBAND-G	2HTBAND-Y	2HTBAND-R
	plug band	HT2BAND-B	HT2BAND-O	HT2BAND-G	HT2BAND-Y	HT2BAND-R
3/8"	coupler band	3HTBAND-B	3HTBAND-O	3HTBAND-G	3HTBAND-Y	3HTBAND-R
	plug band	HT3BAND-B	HT3BAND-O	HT3BAND-G	HT3BAND-Y	HT3BAND-R
1/2"	coupler band	4HTBAND-B	4HTBAND-O	4HTBAND-G	4HTBAND-Y	4HTBAND-R
	plug band	HT4BAND-B	HT4BAND-O	HT4BAND-G	HT4BAND-Y	HT4BAND-R
5/8"	coupler band	5HTBAND-B	5HTBAND-O	5HTBAND-G	5HTBAND-Y	5HTBAND-R
	plug band	HT5BAND-B	HT5BAND-O	HT5BAND-G	HT5BAND-Y	HT5BAND-R
3/4"	coupler band	6HTBAND-B	6HTBAND-O	6HTBAND-G	6HTBAND-Y	6HTBAND-R
	plug band	HT6BAND-B	HT6BAND-O	HT6BAND-G	HT6BAND-Y	HT6BAND-R
1"	coupler band	8HTBAND-B	8HTBAND-O	8HTBAND-G	8HTBAND-Y	8HTBAND-R
	plug band	HT8BAND-B	HT8BAND-O	HT8BAND-G	HT8BAND-Y	HT8BAND-R



HT-Series Correct Connect®

Features

- Minimizes fluid loss resulting in a cleaner, safe work environment
- Automatic, push-to-connect couplings provide high flow with minimal pressure drop assuring maximum hydraulic system performance
- To reduce the possibility of accidental disconnect, the sleeve lock safety feature requires turning the collar to unlock the coupling
- Contact Dixon® for additional seal material options, pressure ratings, and other technical information

Approvals

- Conforms to ISO16028 interchange standard; interchangeable with Eaton®/Hansen® FF, Faster® FFH/2FFN/2FFI, Stucchi® A/FIRG, and Holmbury® HQ/A/FIMC

steel

316 stainless

ISO16028 Flush Face Female Threaded Couplers

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
1/4"	1/4" – 18 NPTF	2HTF2	---
	1/4" – 19 BSPP	2HTBF2	---
	9/16" – 18 ORB	2HTOF3	---
3/8"	3/8" – 18 NPTF	3HTF3	3HTF3-SS
	3/8" – 19 BSPP	3HTBF3	3HTBF3-SS
	9/16" – 18 ORB	3HTOF3	---
	1/2" – 14 NPTF	3HTF4	3HTF4-SS
	1/2" – 14 BSPP	3HTBF4	3HTBF4-SS
	3/4" – 16 ORB	3HTOF4	---
1/2"	1/2" – 14 NPTF	4HTF4	4HTF4-SS
	1/2" – 14 BSPP	4HTBF4	4HTBF4-SS
	3/4" – 16 ORB	4HTOF4	---
	7/8" – 14 ORB	4HTOF5	---
	3/4" – 14 NPTF	4HTF6	4HTF6-SS
	3/4" – 14 BSPP	4HTBF6	4HTBF6-SS
	1-1/16" – 12 ORB	4HTOF6	---
5/8"	7/8" – 14 ORB	5HTOF5	---
	3/4" – 14 NPTF	5HTF6	5HTF6-SS
	3/4" – 14 BSPP	5HTBF6	5HTBF6-SS
	1-1/16" – 12 ORB	5HTOF6	---
3/4"	7/8" – 14 ORB	6HTOF5	---
	3/4" – 14 NPTF	6HTF6	6HTF6-SS
	3/4" – 14 BSPP	6HTBF6	6HTBF6-SS
	1-1/16" – 12 ORB	6HTOF6	---
	1" – 11-1/2 NPTF	6HTF8	6HTF8-SS
	1" – 11 BSPP	6HTBF8	6HTBF8-SS
	1-5/16" – 12 ORB	6HTOF8	---
1"	1" – 11-1/2 NPTF	8HTF8	8HTF8-SS
	1" – 11 BSPP	8HTBF8	8HTBF8-SS
	1-5/16" – 12 ORB	8HTOF8	---
	1-1/4" – 11-1/2 NPTF	8HTF10	8HTF10-SS
	1-1/4" – 11 BSPP	8HTBF10	8HTBF10-SS
	1-5/8" – 12 ORB	8HTOF10	---
1-1/2"	1-1/2" – 11-1/2 NPTF	12HTF12	---
	1-1/2" – 11 BSPP	12HTBF12	---
	1-7/8" – 12 ORB	12HTOF12	---
2"	2" – 11-1/2 NPTF	16HTF16	---
	2" – 11 BSPP	16HTBF16	---
	2-1/2" – 12 ORB	16HTOF16	---

3HTM3

3HTOM4

ISO16028 Flush Face Male Threaded Couplers

Body Size	Threads	Steel Part #
3/8"	3/8" – 18 NPTF	3HTM3
	1/2" – 14 NPTF	3HTM4
	9/16" – 18 ORB	3HTOM3
	3/4" – 16 ORB	3HTOM4
1/2"	1/2" – 14 NPTF	4HTM4

HT-Series Correct Connect®

ISO16028 Flush Face Female Threaded Plugs

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
1/4"	1/4" – 18 NPTF	HT2F2	---
	1/4" – 19 BSPP	HT2BF2	---
	9/16" – 18 ORB	HT2OF3	---
3/8"	3/8" – 18 NPTF	HT3F3	HT3F3-SS
	3/8" – 19 BSPP	HT3BF3	HT3BF3-SS
	9/16" – 18 ORB	HT3OF3	---
	1/2" – 14 NPTF	HT3F4	HT3F4-SS
	1/2" – 14 BSPP	HT3BF4	HT3BF4-SS
	3/4" – 16 ORB	HT3OF4	---
1/2"	1/2" – 14 NPTF	HT4F4	HT4F4-SS
	1/2" – 14 BSPP	HT4BF4	HT4BF4-SS
	3/4" – 16 ORB	HT4OF4	---
	7/8" – 14 ORB	HT4OF5	---
	3/4" – 14 NPTF	HT4F6	HT4F6-SS
	3/4" – 14 BSPP	HT4BF6	HT4BF6-SS
	1-1/6" – 12 ORB	HT4OF6	---
5/8"	7/8" – 14 ORB	HT5OF5	---
	3/4" – 14 NPTF	HT5F6	HT5F6-SS
	3/4" – 14 BSPP	HT5BF6	HT5BF6-SS
	1-1/16" – 12 ORB	HT5OF6	---
3/4"	7/8" – 14 ORB	HT6OF5	---
	3/4" – 14 NPTF	HT6F6	HT6F6-SS
	3/4" – 14 BSPP	HT6BF6	HT6BF6-SS
	1-1/16" – 12 ORB	HT6OF6	---
	1" – 11-1/2 NPTF	HT6F8	HT6F8-SS
	1" – 11 BSPP	HT6BF8	HT6BF8-SS
	1-5/16" – 12 ORB	HT6OF8	---
1"	1" – 11-1/2 NPTF	HT8F8	HT8F8-SS
	1" – 11 BSPP	HT8BF8	HT8BF8-SS
	1-5/16" – 12 ORB	HT8OF8	---
	1-1/4" – 11-1/2 NPTF	HT8F10	HT8F10-SS
	1-1/4" – 11 BSPP	HT8BF10	HT8BF10-SS
	1-5/8" – 12 ORB	HT8OF10	---
1-1/2"	1-1/2" – 11-1/2 NPTF	HT12F12	---
	1-1/2" – 11 BSPP	HT12BF12	---
	1-7/8" – 12 ORB	HT12OF12	---
2"	2" – 11-1/2 NPTF	HT16F16	---
	2" – 11 BSPP	HT16BF16	---
	2-1/2" – 12 ORB	HT16OF16	---

steel

316 stainless

K

ISO16028 Flush Face Male Threaded Plugs

Body Size	Threads	Steel Part #
3/8"	3/8" – 18 NPTF	HT3M3
	1/2" – 14 NPTF	HT3M4
	9/16" – 18 ORB	HT3OM3
	3/4" – 16 ORB	HT3OM4
1/2"	1/2" – 14 NPTF	HT4M4

HT4M4

HT3OM4

HT-Series Correct Connect®

4HTJB5

4HTRB5

ISO16028 Flush Face Male Threaded Bulkhead Couplers

Body Size	Threads	Steel Part #
1/2"	13/16" – 16 ORFS BH	4HTRB4
	7/8" – 14 JIC BH	4HTJB5
	1" – 14 ORFS BH	4HTRB5
	1-1/16" – 12 JIC BH	4HTJB6
	1-3/16" – 12 ORFS BH	4HTRB6

HT4JB5

HT4RB5

ISO16028 Flush Face Male Threaded Bulkhead Plugs

Body Size	Threads	Steel Part #
1/2"	13/16" – 16 ORFS BH	HT4RB4
	7/8" – 14 JIC BH	HT4JB5
	1" – 14 ORFS BH	HT4RB5
	1-1/16" – 12 JIC BH	HT4JB6
	1-3/16 – 12 ORFS BH	HT4RB6

ISO16028 Flush Face 90° Female Threaded Couplers

Body Size	Threads	Steel Part #
1/2"	9/16" – 18 ORB	4HT9OF3
	3/4" – 16 ORB	4HT9OF4

ISO16028 Flush Face 90° Female Threaded Plugs

Body Size	Threads	Steel Part #
1/2"	9/16 – 18 ORB	HT49OF3
	3/4" – 16 ORB	HT49OF4

ISO16028 Flush Face Interchange Coupler with Flange Sleeve

Body Size	Threads	Part #
1/2"	1/2" – 14 NPTF	4HTF4-FS
3/4"	3/4" – 14 NPTF	6HTF6-FS

ISO16028 Flush Face Coupler Dust Plugs

Body Size	Nitrile Part #
1/4"	2HTDP
3/8"	3HTDP
1/2"	4HTDP
5/8"	5HTDP
3/4"	6HTDP
1"	8HTDP

ISO16028 Flush Face Plug Dust Caps

Body Size	Nitrile Part #
1/4"	HT2DC
3/8"	HT3DC
1/2"	HT4DC
5/8"	HT5DC
3/4"	HT6DC
1"	HT8DC

HTE-Series Correct Connect®

Connect Under Pressure Flush Face Female Threaded Plug

Features

- Head pressure or valve bleed-by has minimal effect on connection force
- Less susceptible to system contamination
- Design is scalable, performing similarly in all sizes
- Smooth connection action
- Connectable with trapped pressure on HTE half only
- For use with HTZ- or HT-Series couplers

Specifications

- No maximum connection-pressure restrictions, up to **5,000 PSI**
- Pressure rating: **5,000 PSI** at **70°F (21°C)**

Approval

- Conforms to ISO16028
- Interchanges with Parker® FEC-Series, Stucchi® APM-Series, and Faster® 3FFH-Series

Body Size	Threads	Steel Part #
3/8"	3/8" – 18 NPTF	HTE3F3
	1/2" – 14 NPTF	HTE3F4
	1/2" – 14 BSPP	HTE3BF4
	3/4" – 16 ORB	HTE3OF4
1/2"	1/2" – 14 NPTF	HTE4F4
	1/2" – 14 BSPP	HTE4BF4
	3/4" – 16 ORB	HTE4OF4
	7/8" – 14 ORB	HTE4OF5
	3/4" – 14 NPTF	HTE4F6
	3/4" – 14 BSPP	HTE4BF6
	1-1/16" – 12 ORB	HTE4OF6
5/8"	7/8" – 14 ORB	HTE5OF5
	3/4" – 14 NPTF	HTE5F6
	3/4" – 14 BSPP	HTE5BF6
	1-1/16" – 12 ORB	HTE5OF6
3/4"	3/4" – 14 NPTF	HTE6F6
	3/4" – 14 BSPP	HTE6BF6
	1-1/16" – 12 ORB	HTE6OF6
	1" – 11-1/2 NPTF	HTE6F8
	1" – 11 BSPP	HTE6BF8
	1-5/16" – 12 ORB	HTE6OF8
1"	1" – 11-1/2 NPTF	HTE8F8
	1" – 11 BSPP	HTE8BF8
	1-5/16" – 12 ORB	HTE8OF8
	1-1/4" – 11-1/2 NPTF	HTE8F10
	1-1/4" – 11 BSPP	HTE8BF10
	1-5/8" – 12 ORB	HTE8OF10

K

HTZ-Series Correct Connect®

Flush Face Female Threaded Coupler

Features
- For use with HT- or HTE-Series plugs
- Connectable with trapped pressure on HTZ half only
- ISO16028 interchange

Specifications
- Connect under pressure up to **1,500 PSI** at **70°F (21°C)**
- Pressure rating **5,000 PSI** at **70°F (21°C)**

Body Size	Threads	Steel Part #
1/2"	1/2" – 14 NPTF	4HTZF4
	3/4" – 14 NPTF	4HTZF6
	3/4" – 16 ORB	4HTZOF4
	7/8" – 14 ORB	4HTZOF5
	1-1/16" – 12 ORB	4HTZOF6

Flush Face ISO16028 – AG ISO7241-A Adapter

4HTAG4

4AGHT4

Industry/Competitor Interchange

Features
- Easily adapt machinery that uses AG style quick disconnects with flat face attachments or machinery that has flat face style quick disconnects with attachments that use the AG style
- Includes Correct Connect color banding system

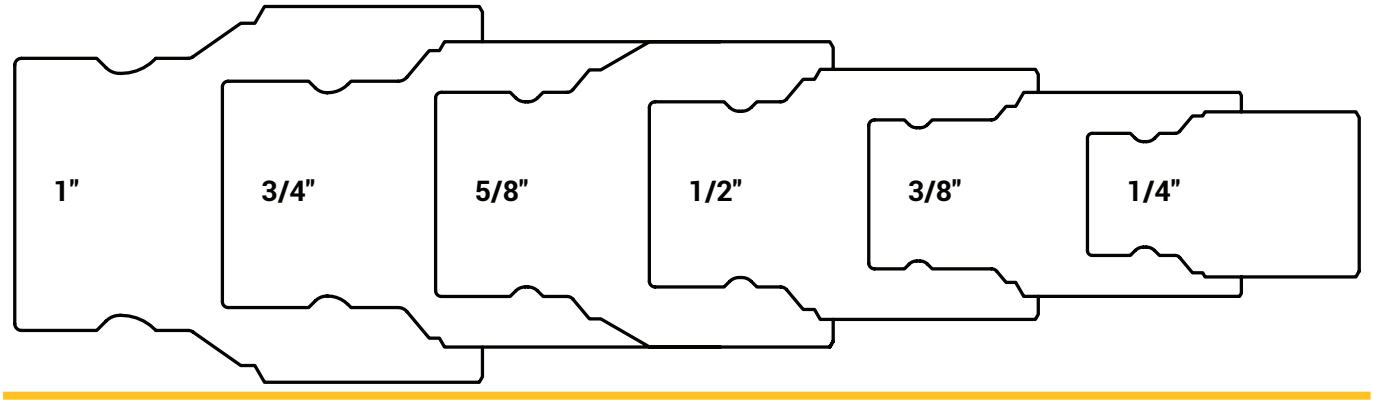
Interchange Data
- Agricultural Interchange, Parker®/Pioneer® 4000 Series, Faster® NS/NV-Series, Safeway® Series-S20, and Stucchi® IR-Series
- Conforms to ISO16028 interchange standard, with Eaton®/Hansen® FF, Parker FEM, Faster FFH/2FFN/2FFI, Stucchi A/FIRG, and Holmbury® HQ/A/FIMC

Specification
- Maximum working pressure: **4,000 PSI** at **70°F (21°C)**

Body Size	Description	Steel Part #
1/2"	ISO16028 flush face coupler x AG ISO7241-A plug	4HTAG4
	AG ISO7241-A coupler x ISO16028 flush face plug	4AGHT4

Profiles

Hansen FF, Aeroquip/Eaton FD89, Stucchi FIRG/Series 'A',
Faster FFN/FFI/2FFN/2FFI, Safeway FF49-Series



XK-Series Hydraulic Couplings

Features
- Automatic locking mechanism
- Machined components are manufactured using solid bar stock
- Stainless steel balls, retaining rings, and springs maximize corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant zinc nickel for corrosion resistance
- Steel plugs are hardened to provide resistance to brinelling
- PTFE or TPC-ET anti-extrusion ring protects main coupling valve seal from dynamic impulse pressure damage
- Interchanges with Parker® FH-Series

Specifications
- 10K flush face
- Plugs have molded polyurethane valve seals, with a temperature range of **-65°F** to **212°F** (**-54°C** to **100°C**)
- Couplers have a polyurethane valve stem O-ring, with a temperature range **-65°F** to **212°F** (**-54°C** to **100°C**)
- Ancillary coupler and plug seals are nitrile rubber, with a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

Rated Pressure Chart

Body Size	XK-Series 10K Flush Face							
	Max. Working		Connected Burst		Disconnected Burst Coupler		Disconnected Burst Plug	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
1/4"	**10,000**	690	**27,000**	1862	**27,000**	1862	**30,000**	2069
3/8"	**10,000**	690	**30,000**	2068	**28,000**	1930	**27,000**	1860

Technical Specifications

Body Size	Interchange Standards				Functional Parameters			
	U.S. Military	U.S. Government	International Standards	ANSI/NFPA Standards	Air Inclusion	Fluid Loss	Vacuum inch HG	Flow ΔP = 15 PSI
1/4"	---	---	---	---	n/a	0.010cc	N/R	**5.5 GPM**
3/8"	---	---	---	---	n/a	0.010cc	N/R	**9.2 GPM**

K

XK-Series 10K Flush Face Coupler (Female Threads)

Body Size	Part Detail			Length		Maximum O.D.		Hex Inch
	Part #	Threads	Material	inch	mm	inch	mm	
1/4"	2XKF2	1/4" – 18 NPTF	steel	2.10	53	1.16	30	7/8"
3/8"	3XKF3	3/8" – 18 NPTF		2.41	61.21	1.31	33.27	1"

XK-Series 10K Flush Face Plug (Female Threads)

Body Size	Part Detail			Length		Maximum O.D.		Hex Inch
	Part #	Threads	Material	inch	mm	inch	mm	
1/4"	XK2F2	1/4" – 18 NPTF	steel	2.15	55	0.92	23	7/8"
3/8"	XK3F3	3/8" – 18 NPTF		2.50	63.5	1.07	27.18	1"

XK-Series 10K Flush Face Coupler (Male Threads)

Body Size	Part Detail			Length		Maximum O.D.		Hex Inch
	Part #	Threads	Material	inch	mm	inch	mm	
1/4"	2XKM2	1/4" – 18 NPTF	steel	2.38	60	1.16	30	7/8"
3/8"	3XKM3	3/8" – 18 NPTF		2.77	70	1.31	33	1"

ST-Series Hydraulic Couplings

Features

- Contact Dixon® for additional seal material options
- Contact Dixon for pressure ratings and other technical information
- Steel coupler sleeves are hardened to resist deformation and maximize service life
- Steel nipples are hardened to provide heavy duty performance
- Interchanges with Parker®/Snap-tite® 71-Series

Specification

- Nitrile rubber seals standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

steel

316 stainless

Heavy Duty Flush Face Female Threaded Couplers

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
1/4"	1/4" – 18 NPTF	2STF2	2STF2-SS
	1/4" – 19 BSPP	2STBF2	2STBF2-SS
3/8"	1/4" – 18 NPTF	3STF2	---
	3/8" – 18 NPTF	3STF3	3STF3-SS
	3/8" – 19 BSPP	3STBF3	3STBF3-SS
	1/2" – 14 NPTF	3STF4	3STF4-SS
	1/2" – 14 BSPP	3STBF4	3STBF4-SS
1/2"	1/2" – 14 NPTF	4STF4	4STF4-SS
	1/2" – 14 BSPP	4STBF4	4STBF4-SS
	3/4" – 16 ORB	4STOF4	---
3/4"	3/4" – 14 NPTF	6STF6	6STF6-SS
	3/4" – 14 BSPP	6STBF6	6STBF6-SS
	1-1/16" – 12 ORB	6STOF6	---
1"	1" – 11-1/2 NPTF	8STF8	8STF8-SS
	1" – 11 BSPP	8STBF8	8STBF8-SS
	1-5/16" – 12 ORB	8STOF8	---
	1-1/4" – 11-1/2 NPTF	8STF10	8STF10-SS
	1-1/4" – 11 BSPP	8STBF10	8STBF10-SS
	1-5/8" – 12 ORB	8STOF10	---

Heavy Duty Flush Face Old Style Female Threaded Couplers

steel

316 stainless

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
1"	1" – 11-1/2 NPTF	8STF8-V2	---
	1" – 11 BSPP	8STBF8-V2	---
	1-1/4" – 11-1/2 NPTF	8STF10-V2	---
2"	1-1/2" – 11-1/2 NPTF	16STF12	---
	1-1/2" – 11 BSPP	16STBF12	---
	1-7/8" – 12 ORB	16STOF12	---
	2" – 11-1/2 NPTF	16STF16	16STF16-SS
	2" – 11 BSPP	16STBF16	---
	2-1/2" – 12 ORB	16STOF16	---

ST-Series Hydraulic Couplings

Heavy Duty Flush Face Female Threaded Plugs

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
1/4"	1/4" – 18 NPTF	ST2F2	ST2F2-SS
	1/4" – 19 BSPP	ST2BF2	ST2BF2-SS
3/8"	1/4" – 18 NPTF	ST3F2	---
	3/8" – 18 NPTF	ST3F3	ST3F3-SS
	3/8" – 19 BSPP	ST3BF3	ST3BF3-SS
	1/2" – 14 NPTF	ST3F4	ST3F4-SS
	1/2" – 14 BSPP	ST3BF4	ST3BF4-SS
1/2"	1/2" – 14 NPTF	ST4F4	ST4F4-SS
	1/2" – 14 BSPP	ST4BF4	ST4BF4-SS
	3/4" – 16 ORB	ST4OF4	---
3/4"	3/4" – 14 NPTF	ST6F6	ST6F6-SS
	3/4" – 14 BSPP	ST6BF6	ST6BF6-SS
	1-1/16" – 12 ORB	ST6OF6	---
1"	1" – 11-1/2 NPTF	ST8F8	ST8F8-SS
	1" – 11 BSPP	ST8BF8	ST8BF8-SS
	1-5/16" – 12 ORB	ST8OF8	---
	1-1/4" – 11-1/2 NPTF	ST8F10	ST8F10-SS
	1-1/4" – 11 BSPP	ST8BF10	ST8BF10-SS
	1-5/8" – 12 ORB	ST8OF10	---

steel

316 stainless

K

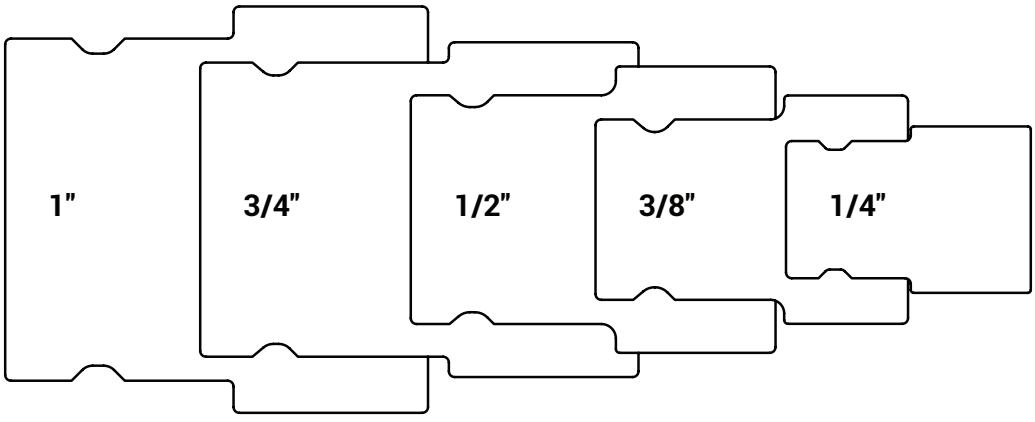
Heavy Duty Flush Face Old Style Female Threaded Plugs

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
1"	1" – 11-1/2 NPTF	ST8F8-V2	---
	1" – 11 BSPP	ST8BF8-V2	---
	1-1/4" – 11-1/2 NPTF	ST8F10-V2	---
2"	1-1/2" – 11-1/2 NPTF	ST16F12	---
	1-1/2" – 11 BSPP	ST16BF12	---
	1-7/8" – 12 ORB	ST16OF12	---
	2" – 11-1/2 NPTF	ST16F16	ST16F16-SS
	2" – 11 BSPP	ST16BF16	---
	2-1/2" – 12 ORB	ST16OF16	---

steel

316 stainless

Plug Profiles



ST-Series Hydraulic Couplings

Dust Plugs

Body Size	Aluminum body with steel cable Part #
1/4"	2STDP-A
3/8"	3STDP-A
1/2"	4STDP-A
3/4"	6STDP-A
1"	8STDP-A
1" – V2	8STDP-A-V2
2"	16STDP-A

Dust Caps

Body Size	Aluminum body with steel cable Part #
1/4"	ST2DC-A
3/8"	ST3DC-A
1/2"	ST4DC-A
3/4"	ST6DC-A
1"	ST8DC-A
1" – V2	ST8DC-A-V2
2"	ST16DC-A

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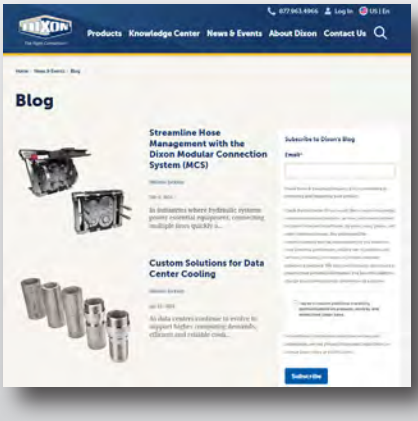
Industry Insights
To Keep You Moving Forward



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PD-Series Diagnostic Interchange Couplings

Features
- Interchangeable with ISO15171-1, Parker® PD-Series, Eaton®/Aeroquip® FD90, Tomco® Series-DK
- PTFE anti-extrusion ring protects main coupler O-ring from dynamic impulse pressure damage

Specifications
- Nitrile rubber seal standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)
- Pressure rating **6000 PSI** at **70°F (21°C)**

Approval
- Steel componentry is plated using RoHS-compliant trivalent chrome

Female NPT Couplers

Body Size	Threads	Steel Part #
1/8"	1/8" – 27 NPT	1PDF1
	1/4" – 18 NPT	1PDF2

Male NPT Couplers

Body Size	Threads	Steel Part #
1/8"	1/4" – 18 NPT	1PDM2

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Female NPT Plugs

Body Size	Threads	Steel Part #
1/8"	1/8" – 27 NPT	PD1F1
	1/4" – 18 NPT	PD1F2

Male Threaded Plugs

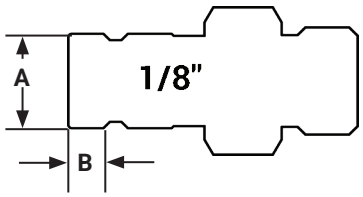
Body Size	Threads	Steel Part #
1/8"	1/8" – 27 NPT	PD1M1
	1/4" – 18 NPT	PD1M2
	7/16" – 20 ORB	PD1OM2
	9/16" – 18 ORB	PD1OM3

Dust Caps

Body Size	Nitrile Part #
1/8"	H1DC

Plug Profile

Body Size	A (in.)	B (in.)
1/8"	0.49	0.19



VEP-Series Hydraulic Couplings

Features

- No-spill, flush face valve minimizes air inclusion during connection and spillage during disconnection
- Thread-to-connect design and dual valve system in the plug allow for connecting under pressure
- Design eliminates premature wear or brinelling commonly found with locking ball designs when subjected to high impulse pressures
- Zinc nickel plating provides superior corrosion resistance
- Interchangeable with Stucchi® VEP, DNP PST 4/FSI, Holmbury® HFT, Parker® FET-Series, and Voswinkel® FT-Series
- Contact Dixon® for pressure ratings and other technical information

Female Threaded Couplers

Body Size	Threads	Steel Part #
1/4"	1/4" – 18 NPTF	2VEPF2
	1/4"- 19 BSPP	2VEPBF2
	9/16" – 18 ORB	2VEPOF3
3/8"	3/8" – 18 NPTF	3VEPF3
	3/8" – 19 BSPP	3VEPBF3
	3/4" – 16 ORB	3VEPOF4
	1/2" – 14 NPTF	3VEPF4
	1/2" – 14 BSPP	3VEPBF4
1/2"	1/2" – 14 NPTF	4VEPF4
	1/2" – 14 BSPP	4VEPBF4
	3/4" – 16 ORB	4VEPOF4
	7/8" – 14 ORB	4VEPOF5
	3/4" – 14 NPTF	4VEPF6
	3/4" – 14 BSPP	4VEPBF6
	1-1/16" – 12 ORB	4VEPOF6
3/4"	3/4" – 14 NPTF	6VEPF6
	3/4" – 14 BSPP	6VEPBF6
	1-1/16" – 12 ORB	6VEPOF6
1"	1" – 11-1/2 NPTF	8VEPF8
	1" – 11 BSPP	8VEPBF8
	1-5/16" – 12 ORB	8VEPOF8
1-1/4"	1-1/4" – 11-1/2 NPTF	10VEPF10
	1-1/4" – 11 BSPP	10VEPBF10
	1-5/8" – 12 ORB	10VEPOF10
1-1/2"	1-1/2" – 11-1/2 NPTF	12VEPF12
	1-1/2" – 11 BSPP	12VEPBF12
	1-7/8" – 12 ORB	12VEPOF12
2"	2" – 11-1/2 NPTF	16VEPF16
	2" – 11 BSPP	16VEPBF16
	2-1/2" – 12 ORB	16VEPOF16

316 Stainless Steel VEP-Series

Body Size	Threads	Style	316 Stainless Steel Part #
1"	1" – 11-1/2 NPTF	coupler	8VEPF8-SS
		plug	VEP8F8-SS

VEP-Series Hydraulic Couplings

Female Threaded Plugs

Body Size	Threads	Steel Part #
1/4"	1/4" – 18 NPTF	VEP2F2
	1/4"- 19 BSPP	VEP2BF2
	9/16" – 18 ORB	VEP2OF3
3/8"	3/8" – 18 NPTF	VEP3F3
	3/8" – 19 BSPP	VEP3BF3
	3/4" – 16 ORB	VEP3OF4
	1/2" – 14 NPTF	VEP3F4
	1/2" – 14 BSPP	VEP3BF4
1/2"	1/2" – 14 NPTF	VEP4F4
	1/2" – 14 BSPP	VEP4BF4
	3/4" – 16 ORB	VEP4OF4
	7/8" – 14 ORB	VEP4OF5
	3/4" – 14 NPTF	VEP4F6
	3/4" – 14 BSPP	VEP4BF6
	1-1/16" – 12 ORB	VEP4OF6
3/4"	3/4" – 14 NPTF	VEP6F6
	3/4" – 14 BSPP	VEP6BF6
	1-1/16" – 12 ORB	VEP6OF6
1"	1" – 11-1/2 NPTF	VEP8F8
	1" – 11 BSPP	VEP8BF8
	1-5/16" – 12 ORB	VEP8OF8
1-1/4"	1-1/4" – 11-1/2 NPTF	VEP10F10
	1-1/4" – 11 BSPP	VEP10BF10
	1-5/8" – 12 ORB	VEP10OF10
1-1/2"	1-1/2" – 11-1/2 NPTF	VEP12F12
	1-1/2" – 11 BSPP	VEP12BF12
	1-7/8" – 12 ORB	VEP12OF12
2"	2" – 11-1/2 NPTF	VEP16F16
	2" – 11 BSPP	VEP16BF16
	2-1/2" – 12 ORB	VEP16OF16

Dust Plugs

Body Size	Aluminum body with steel cable Part #
1/4"	2VEPDP-A
3/8"	3VEPDP-A
1/2"	4VEPDP-A
3/4"	6VEPDP-A
1"	8VEPDP-A
1-1/4"	10VEPDP-A
1-1/2"	12VEPDP-A
2"	16VEPDP-A

Dust Caps

Body Size	Aluminum body with steel cable Part #
1/4"	VEP2DC-A
3/8"	VEP3DC-A
1/2"	VEP4DC-A
3/4"	VEP6DC-A
1"	VEP8DC-A
1-1/4"	VEP10DC-A
1-1/2"	VEP12DC-A
2"	VEP16DC-A

VEP-Series Hydraulic Couplings

Code 62 Flange Head Couplers

Body Size	Port Size	Steel Part #
3/4"	3/4"	6VEPFH6
1"	1"	8VEPFH8
1-1/4"	1-1/4"	10VEPFH10
1-1/2"	1-1/2"	12VEPFH12

Code 62 Flange Head Plugs

Body Size	Port Size	Steel Part #
3/4"	3/4"	VEP6FH6
1"	1"	VEP8FH8
1-1/4"	1-1/4"	VEP10FH10
1-1/2"	1-1/2"	VEP12FH12

Code 62 Flange Pad Couplers

Body Size	Port Size	Steel Part #
3/4"	3/4"	6VEPFP6
1"	1"	8VEPFP8
1-1/4"	1-1/4"	10VEPFP10
1-1/2"	1-1/2"	12VEPFP12

Code 62 Flange Pad Plugs

Body Size	Port Size	Steel Part #
3/4"	3/4"	VEP6FP6
1"	1"	VEP8FP8
1-1/4"	1-1/4"	VEP10FP10
1-1/2"	1-1/2"	VEP12FP12

VEP-BOP Series Hydraulic Couplings

Features
- Red powder coated components and external O-rings for easy BOP service identification
- Blowout preventer (BOP) coupling contain FKM seals
- Interchangeable with Stucchi® VEP/VEP-HD Series, DNP FSI-BOP Series

Material
- Steel components are plated using ROHS compliant zinc nickel

Specification
- Pressure rating **5000 PSI**

Approval
- BOP couplings have been fire tested and Lloyd's certified to **1300°F (700°C)** in accordance with API 16D. Certificate available upon request.

Female Threaded Couplers

Body Size	Threads	Steel Part #
1/2"	1/2" – 14 NPTF	4VEPF4-BOP
3/4"	3/4" – 14 NPTF	6VEPF6-BOP
1"	1" – 11-1/2 NPTF	8VEPF8-BOP
1-1/4"	1-1/4" – 11-1/2 NPTF	10VEPF10-BOP
1-1/2"	1-1/2" – 11-1/2 NPTF	12VEPF12-BOP

K

Female Threaded Plugs

Body Size	Threads	Steel Part #
1/2"	1/2" – 14 NPTF	VEP4F4-BOP
3/4"	3/4" – 14 NPTF	VEP6F6-BOP
1"	1" – 11-1/2 NPTF	VEP8F8-BOP
1-1/4"	1-1/4" – 11-1/2 NPTF	VEP10F10-BOP
1-1/2"	1-1/2" – 11-1/2 NPTF	VEP12F12-BOP

W-Series Hydraulic Couplings

Applications

- Designed for applications requiring a coupling that can be connected under residual pressure with minimum spillage and air inclusion
- Widely used on dump trailer wet-line hydraulic systems and oil field equipment
- Not recommended for continuous hydraulic impulse applications

Features

- Interchangeable with Eaton®/Aeroquip® 5100-Series, Parker® 6100-Series, Snap-tite 78-Series, Faster® Series-FB, and Safeway® S-51-Series
- Contact Dixon® for pressure ratings and other technical information

Specification

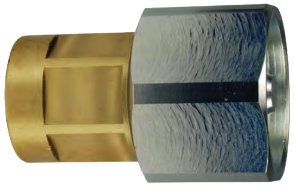
- Nitrile rubber seals are standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

brass

steel

Female Threaded Couplers

Body Size	Threads	Brass Part #	Steel Part #
1/4"	1/8" – 27 NPTF	2WF1-B	---
3/8"	1/4" – 18 NPTF	3WF2-B	---
	3/8" – 18 NPTF	3WF3-B	---
3/4"	1/2" – 14 NPTF	6WF4-B	---
	1/2" – 14 BSPP	6WBF4-B	---
	3/4" – 14 NPTF	6WF6-B	---
	3/4" – 14 BSPP	6WBF6-B	---
1"	1" – 11-1/2 NPTF	8WF8-B	8WF8
	1" – 11 BSPP	8WBF8-B	---
1-1/4"	1-1/4" – 11-1/2 NPTF	10WF10-B	---
	1-1/4" – 11 BSPP	10WBF10-B	---
1-1/2"	1-1/2" – 11-1/2 NPTF	12WF12-B	---
	1-1/2" – 11 BSPP	12WBF12-B	---



brass

steel

Hex-Nut Female Threaded Couplers

Body Size	Threads	Brass Part #	Steel Part #
1/4"	1/8" – 27 NPTF	2WF1-B-HN	---
3/8"	1/4" – 18 NPTF	3WF2-B-HN	---
	3/8" – 18 NPTF	3WF3-B-HN	---
3/4"	1/2" – 14 NPTF	6WF4-B-HN	---
	1/2" – 14 BSPP	6WBF4-B-HN	---
	3/4" – 14 NPTF	6WF6-B-HN	---
	3/4" – 14 BSPP	6WBF6-B-HN	---
1"	1" – 11-1/2 NPTF	8WF8-B-HN	8WF8-HN
	1" – 11 BSPP	8WBF8-B-HN	---
1-1/4"	1-1/4" – 11-1/2 NPTF	10WF10-B-HN	---
	1-1/4" – 11 BSPP	10WBF10-B-HN	---
1-1/2"	1-1/2" – 11-1/2 NPTF	12WF12-B-HN	---
	1-1/2" – 11 BSPP	12WBF12-B-HN	---

W-Series Hydraulic Couplings

Female Threaded Plugs

Body Size	Threads	Brass Part #	Steel Part #
1/4"	1/8" – 27 NPTF	W2F1-B	---
3/8"	1/4" – 18 NPTF	W3F2-B	---
	3/8" – 18 NPTF	W3F3-B	---
3/4"	1/2" – 14 NPTF	W6F4-B	---
	1/2" – 14 BSPP	W6BF4-B	---
	3/4" – 14 NPTF	W6F6-B	---
	3/4" – 14 BSPP	W6BF6-B	---
1"	1" – 11-1/2 NPTF	W8F8-B	W8F8
	1" – 11 BSPP	W8BF8-B	---
1-1/4"	1-1/4" – 11-1/2 NPTF	W10F10-B	---
	1-1/4" – 11 BSPP	W10BF10-B	---
1-1/2"	1-1/2" – 11-1/2 NPTF	W12F12-B	---
	1-1/2" – 11 BSPP	W12BF12-B	---

brass

steel

Flanges

Body Size	Bolt Hole Size	Steel Part #
3/4"	0.201"	W6-BMF
1"		W8-BMF
1-1/4"		W10-BMF
1-1/2"		W12-BMF

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Dust Plugs

Body Size	Steel body with steel cable Part #
1/4"	2WDP
3/8"	3WDP
3/4"	6WDP
1"	8WDP
1-1/4"	10WDP
1-1/2"	12WDP

Dust Caps

Body Size	Steel body with steel cable Part #
1/4"	W2DC
3/8"	W3DC
3/4"	W6DC
1"	W8DC
1-1/4"	W10DC
1-1/2"	W12DC

WS-Series Hydraulic Couplings

Application
- Used extensively in oil field and offshore oil rig applications

Features
- Interchanges with Stucchi® VOF, Faster® OGV, Eaton® FD85, Holmbury® LC, Parker®/Snap-tite® 75-Series, Hydraulics Inc. Series-5TV, and DNP-VFF-HD
- Contact Dixon® for pressure ratings and other technical information

Specification
- Nitrile rubber seals standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

steel

316 stainless

Heavy-Duty Wingstyle Female Threaded Couplers

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
3/4"	1/2" – 14 NPTF	6WSF4	---
	3/4" – 14 NPTF	6WSF6	6WSF6-SS
	3/4" – 14 BSPP	6WSBF6	6WSBF6-SS
	1-1/16" – 12 ORB	6WSOF6	---
1"	1" – 11-1/2 NPTF	8WSF8	8WSF8-SS
	1" – 11 BSPP	8WSBF8	8WSBF8-SS
	1-5/16" – 12 ORB	8WSOF8	---
1-1/4"	1-1/4" – 11-1/2 NPTF	10WSF10	10WSF10-SS
	1-1/4" – 11 BSPP	10WSBF10	10WSBF10-SS
	1-5/8" – 12 ORB	10WSOF10	---
1-1/2"	1-1/2" – 11-1/2 NPTF	12WSF12	12WSF12-SS
	1-1/2" – 11 BSPP	12WSBF12	12WSBF12-SS
	1-7/8" – 12 ORB	12WSOF12	---
2"	2" – 11-1/2 NPTF	16WSF16	16WSF16-SS
	2" – 11 BSPP	16WSBF16	16WSBF16-SS
	2-1/2" – 12 ORB	16WSOF16	---

steel

316 stainless

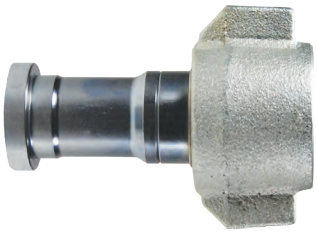
Heavy-Duty Wingstyle Female Threaded Plugs

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
3/4"	1/2" – 14 NPTF	WS6F4	---
	3/4" – 14 NPTF	WS6F6	WS6F6-SS
	3/4" – 14 BSPP	WS6BF6	WS6BF6-SS
	1-1/16" – 12 ORB	WS6OF6	---
1"	1" – 11-1/2 NPTF	WS8F8	WS8F8-SS
	1" – 11 BSPP	WS8BF8	WS8BF8-SS
	1-5/16" – 12 ORB	WS8OF8	---
1-1/4"	1-1/4" – 11-1/2 NPTF	WS10F10	WS10F10-SS
	1-1/4" – 11 BSPP	WS10BF10	WS10BF10-SS
	1-5/8" – 12 ORB	WS10OF10	---
1-1/2"	1-1/2" – 11-1/2 NPTF	WS12F12	WS12F12-SS
	1-1/2" – 11 BSPP	WS12BF12	WS12BF12-SS
	1-7/8" – 12 ORB	WS12OF12	---
2"	2" – 11-1/2 NPTF	WS16F16	WS16F16-SS
	2" – 11 BSPP	WS16BF16	WS16BF16-SS
	2-1/2" – 12 ORB	WS16OF16	---

WS-Series Hydraulic Couplings

Heavy-Duty Wingstyle Code 62 Flange Head Couplers

Body Size	Port Size	Steel Part #
3/4"	3/4"	6WSFH6
1"	1"	8WSFH8
1-1/4"	1-1/4"	10WSFH10
1-1/2"	1-1/2"	12WSFH12
2"	2"	16WSFH16

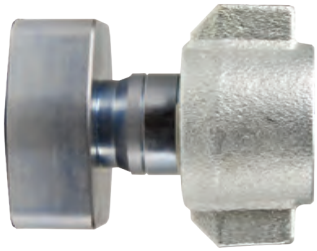


Heavy-Duty Wingstyle Code 62 Flange Head Plugs

Body Size	Port Size	Steel Part #
3/4"	3/4"	WS6FH6
1"	1"	WS8FH8
1-1/4"	1-1/4"	WS10FH10
1-1/2"	1-1/2"	WS12FH12
2"	2"	WS16FH16

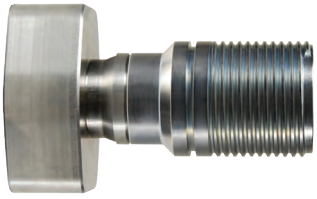
Heavy-Duty Wingstyle Code 62 Flange Pad Couplers

Body Size	Port Size	Steel Part #
3/4"	3/4"	6WSFP6
1"	1"	8WSFP8
1-1/4"	1-1/4"	10WSFP10
1-1/2"	1-1/2"	12WSFP12
2"	2"	16WSFP16



Heavy-Duty Wingstyle Code 62 Flange Pad Plugs

Body Size	Port Size	Steel Part #
3/4"	3/4"	WS6FP6
1"	1"	WS8FP8
1-1/4"	1-1/4"	WS10FP10
1-1/2"	1-1/2"	WS12FP12
2"	2"	WS16FP16



WS-Series Hydraulic Couplings

Heavy-Duty Wingstyle Rigid Dust Plugs

Body Size	Aluminum body with steel cable Part #
3/4"	6WSDP-A
1"	8WSDP-A
1-1/4"	10WSDP-A
1-1/2"	12WSDP-A
2"	16WSDP-A

Heavy-Duty Wingstyle Rigid Dust Caps

Body Size	Aluminum body with steel cable Part #
3/4"	WS6DC-A
1"	WS8DC-A
1-1/4"	WS10DC-A
1-1/2"	WS12DC-A
2"	WS16DC-A

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WS-BOP Series Hydraulic Couplings

Application
- Designed for use in oil rig BOP systems where couplings are required to operate under fire conditions in an emergency

Features
- Contact Dixon® for pressure ratings and other technical information
- Sleeve is cast using a process that provides better surface finishes, tighter tolerance control, and excellent repeatability
- Blowout preventer couplings are individually marked with the BOP series designation
- Interchanges with Parker®/Snap-tite 75-Series, and DNP VFF-HD-BOP Series

Approval
- Fire tested and Lloyd's certified to **1300°F** (**700°C**) in accordance with API 16D (Certificate #NAO 0601041/1)

Heavy-Duty Wingstyle Female Threaded Couplers

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
3/4"	1/2" – 14 NPTF	6WSF4-BOP	---
	3/4" – 14 NPTF	6WSF6-BOP	6WSF6-SS-BOP
1"	1" – 11-1/2 NPTF	8WSF8-BOP	8WSF8-SS-BOP
1-1/4"	1-1/4" – 11-1/2 NPTF	10WSF10-BOP	10WSF10-SS-BOP
1-1/2"	1-1/2" – 11-1/2 NPTF	12WSF12-BOP	12WSF12-SS-BOP
2"	2" – 11-1/2 NPTF	16WSF16-BOP	16WSF16-SS-BOP

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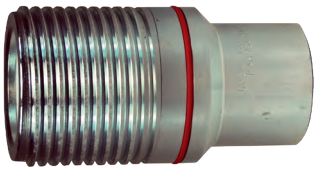
Heavy-Duty Wingstyle Female Threaded Plugs

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
3/4"	1/2" – 14 NPTF	WS6F4-BOP	---
	3/4" – 14 NPTF	WS6F6-BOP	WS6F6-SS-BOP
1"	1" – 11-1/2 NPTF	WS8F8-BOP	WS8F8-SS-BOP
1-1/4"	1-1/4" – 11-1/2 NPTF	WS10F10-BOP	WS10F10-SS-BOP
1-1/2"	1-1/2" – 11-1/2 NPTF	WS12F12-BOP	WS12F12-SS-BOP
2"	2" – 11-1/2 NPTF	WS16F16-BOP	WS16F16-SS-BOP



T-Series Hydraulic Couplings

Application

- Designed for high pressure applications including hydraulic rams and pumps where low flow and pressures up to **10,000 PSI** are encountered

Features

- Interchangeable with Enerpac® C 604, Parker®/Pioneer® 3000-Series, Stucchi® IVHP, Eaton® WS5600, and DNP PVM
- Both poppet valve and ball valve styles available

Specification

- Nitrile O-ring with TPC-ET back up ring standard providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

Female NPTF Ball Coupler

Body Size	Threads	Steel Part #
1/4"	1/4" – 18 NPTF	2TF2
3/8"	3/8" – 18 NPTF	3TF3

Male NPTF Ball Couplers

Body Size	Threads	Steel Part #	Threads	316 Stainless Steel Part #
1/4"	1/4" – 18 NPTF	2TM2	---	---
3/8"	3/8" – 18 NPTF	3TM3	3/8" – 18 NPT	3TM3-SS

Male NPTF Poppet Couplers

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
3/8"	3/8" – 18 NPT	3TM3-PV	3TM3-SS-PV

Female NPTF Ball Plugs

Body Size	Threads	Steel Part #	Threads	316 Stainless Steel Part #
1/4"	1/4" – 18 NPTF	T2F2	---	---
3/8"	3/8" – 18 NPTF	T3F3	3/8" – 18 NPT	T3F3-SS

Female NPTF Poppet Plugs

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
3/8"	3/8" - 18 NPT	T3F3-PV	T3F3-SS-PV

T-Series Hydraulic Couplings

Dust Plugs

Body Size	Steel body with rubber lanyard Part #
1/4"	2TDP
3/8"	3TDP

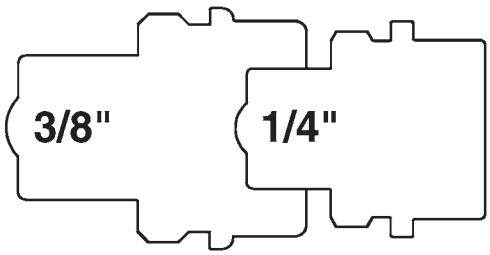
Dust Caps

Body Size	Steel body with steel cable Part #
1/4"	T2DC
3/8"	T3DC

Plug Profiles

Industry/Competitor Interchange

Enerpac® C604
Parker®/Pioneer® 3000- Series
Stucchi® IVHP
Eaton® WS56000
DNP PVM



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Value Proposition

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CVV-Series Hydraulic Couplings

Features

- Contact Dixon® for pressure ratings and other technical information.
- Interchangeable with European Screw-Together, Inteva® STG-Series, Faster® CVV-Series, DNP PVV3, Voswinkel® Type-HS

Specification

- Nitrile rubber seal standard, providing a temperature range of **-13°F** to **257°F** (**-25°C** to **125°C**)

European Female Threaded Couplers

Body Size	Threads	Steel Part #
1/4"	1/4" – 18 NPTF	2CVVF2
	1/4" – 19 BSPP	2CVVBF2
	M14X1.5	2CVVFM1415
3/8"	3/8" – 18 NPTF	3CVVF3
	3/8" – 19 BSPP	3CVVBF3
	M16X1.5	3CVVFM1615
1/2"	1/2" – 14 NPTF	4CVVF4
	3/4" – 16 ORB	4CVVOF4
	1/2" – 14 BSPP	4CVVBF4
	M18X1.5	4CVVFM1815
	7/8" – 14 ORB	4CVVOF5
	M22X1.5	4CVVFM2215
3/4"	3/4" – 14 NPTF	6CVVF6
	3/4" – 14 BSPP	6CVVBF6
	M22X1.5	6CVVFM2215
1"	1" – 11-1/2 NPTF	8CVVF8
	1" – 11 BSPP	8CVVBF8
1-1/4"	1-1/4" – 11-1/2 NPTF	10CVVF10
	1-1/4" – 11 BSPP	10CVVBF10

European Female Threaded Plugs

Body Size	Threads	Steel Part #
1/4"	1/4" – 18 NPTF	CVV2F2
	1/4" – 19 BSPP	CVV2BF2
	M14X1.5	CVV2FM1415
3/8"	3/8" – 18 NPTF	CVV3F3
	3/8" – 19 BSPP	CVV3BF3
	M16X1.5	CVV3FM1615
1/2"	1/2" – 14 NPTF	CVV4F4
	3/4" – 16 ORB	CVV4OF4
	1/2" – 14 BSPP	CVV4BF4
	M18X1.5	CVV4FM1815
	7/8" – 14 ORB	CVV4OF5
	M22X1.5	CVV4FM2215
3/4"	3/4" – 14 NPTF	CVV6F6
	3/4" – 14 BSPP	CVV6BF6
	M22X1.5	CVV6FM2215
1"	1" – 11-1/2 NPTF	CVV8F8
	1" – 11 BSPP	CVV8BF8
1-1/4"	1-1/4" – 11-1/2 NPTF	CVV10F10
	1-1/4" – 11 BSPP	CVV10BF10

CVV-Series Hydraulic Couplings

European Dust Plugs

Body Size	Plastic Part #
1/4"	2CVVDP
3/8"	3CVVDP
1/2"	4CVVDP
3/4"	6CVVDP
1"	8CVVDP
1-1/4"	10CVVDP

European Dust Caps

Body Size	Plastic Part #
1/4"	CVV2DC
3/8"	CVV3DC
1/2"	CVV4DC
3/4"	CVV6DC
1"	CVV8DC
1-1/4"	CVV10DC

TD-Series: 15K and 20K Pressure Couplings

Application
- Commonly used on water-blast or wireline equipment and pump systems

Sizes
- 1/2" body
- 1/2" FNPT or 9/16" MP threads

Features
- Unvalved, high flow
- Thread to connect
- Dust caps and plugs available

Materials
- Machined components are manufactured using 316 stainless steel bar stock
- Stainless steel retaining ring maximizes corrosion resistance and extends service life
- Couplers have a nitrile anti-extrusion ring, providing resistance to O-ring dynamic impulse pressure damage
- Nitrile rubber seals are standard

Specifications
- Temperature range: **-40°F** to **250°F** (**-40°C** to **121°C**)
- **15,000 PSI** for NPTF threads; **20,000 PSI** for MP threads
- Interchangeable with SPIR STAR® CQD Series, DNP CRS Series, and Jetstream Screw Type

4TDF4-SS

TD4F4-SS

4TDPF4.5-SS

TD4PF4.5-SS

Body Size	Threads	Description	Stainless Steel Part #
1/2"	1/2" – 14 NPTF	coupler	4TDF4-SS
		plug	TD4F4-SS
	9/16" MP	coupler	4TDPF4.5-SS
		plug	TD4PF4.5-SS

Dust Caps

Body Size	Threads	Aluminum Part #
1/2"	1/2" – 14 NPTF	TD4DC-A
	9/16" MP	TD4.5DC-A

Dust Plugs

Body Size	Threads	Aluminum Part #
1/2"	1/2" – 14 NPTF	4TDDP-A
	9/16" MP	4.5TDDP-A

E-Series Hydraulic Couplings

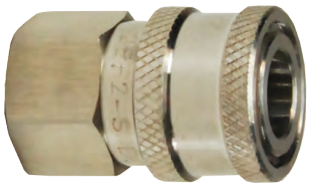
Features

- Couplers have no internal valves, which provide maximum flow with minimum pressure drop
- Contact Dixon® for additional seal material options
- Contact Dixon for pressure ratings and other technical information
- Interchanges with Hannifin® SST/BST, Foster® FST, Hansen® ST, Tomco® ST couplings, and Parker® ST-Series
- Do not disconnect with pressure in line

Specification

- Nitrile rubber seals are standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

brass


303 stainless

Straight-Through Female Threaded Couplers

Body Size	Threads	Brass Part #	303 Stainless Steel Part #
1/8"	1/8" – 27 NPTF	1EF1-B	1EF1-S
1/4"	1/4" – 18 NPTF	2EF2-B	2EF2-S
	1/4" – 19 BSPP	2EBF2-B	---
3/8"	3/8" – 18 NPTF	3EF3-B	3EF3-S
	3/8" – 19 BSPP	3EBF3-B	---
1/2"	1/2" – 14 NPTF	4EF4-B	4EF4-S
	1/2" – 14 BSPP	4EBF4-B	---
3/4"	3/4" – 14 NPTF	6EF6-B	6EF6-S
	3/4" – 14 BSPP	6EBF6-B	---
1"	1" – 11-1/2 NPTF	8EF8-B	8EF8-S
	1" – 11 BSPP	8EBF8-B	---
1-1/4"	1-1/4" – 11-1/2 NPTF	10EF10-B	10EF10-S
1-1/2"	1-1/2" – 11-1/2 NPTF	12EF12-B	12EF12-S
2"	2" – 11-1/2 NPTF	16EF16-B	16EF16-S

brass

303 stainless

Straight-Through Male Threaded Couplers

Body Size	Threads	Brass Part #	303 Stainless Steel Part #
1/8"	1/8" – 27 NPTF	1EM1-B	1EM1-S
1/4"	1/4" – 18 NPTF	2EM2-B	2EM2-S
3/8"	3/8" – 18 NPTF	3EM3-B	3EM3-S
1/2"	1/2" – 14 NPTF	4EM4-B	4EM4-S
3/4"	3/4" – 14 NPTF	6EM6-B	6EM6-S
1"	1" – 11-1/2 NPTF	8EM8-B	8EM8-S
1-1/4"	1-1/4" – 11-1/2 NPTF	10EM10-B	---
1-1/2"	1-1/2" – 11-1/2 NPTF	12EM12-B	---
2"	2" – 11-1/2 NPTF	16EM16-B	---

Straight-Through Hose Barb Couplers

Body Size	Hose I.D.	Brass Part #
1/4"	1/4"	2ES2-B
3/8"	3/8"	3ES3-B
1/2"	1/2"	4ES4-B
3/4"	3/4"	6ES6-B
1"	1"	8ES8-B

E-Series Hydraulic Couplings

Straight-Through Female Threaded Plugs

Body Size	Threads	Steel Part #	Brass Part #
1/8"	1/8" – 27 NPTF	E1F1	E1F1-B
1/4"	1/4" – 18 NPTF	E2F2	E2F2-B
	1/4" – 19 BSPP	---	E2BF2-B
3/8"	3/8" – 18 NPTF	E3F3	E3F3-B
	3/8" – 19 BSPP	---	E3BF3-B
1/2"	1/2" – 14 NPTF	E4F4	E4F4-B
	1/2" – 14 BSPP	---	E4BF4-B
3/4"	3/4" – 14 NPTF	E6F6	E6F6-B
	3/4" – 14 BSPP	---	E6BF6-B
1"	1" – 11-1/2 NPTF	E8F8	E8F8-B
	1" – 11 BSPP	---	E8BF8-B
1-1/4"	1-1/4" – 11-1/2 NPTF	E10F10	E10F10-B
1-1/2"	1-1/2" – 11-1/2 NPTF	E12F12	E12F12-B
2"	2" – 11-1/2 NPTF	E16F16	E16F16-B

steel

brass

Body Size	Threads	303 Stainless Steel Part #
1/8"	1/8" – 27 NPTF	E1F1-S
1/4"	1/4" – 18 NPTF	E2F2-S
3/8"	3/8" – 18 NPTF	E3F3-S
1/2"	1/2" – 14 NPTF	E4F4-S
3/4"	3/4" – 14 NPTF	E6F6-S
1"	1" – 11-1/2 NPTF	E8F8-S
1-1/4"	1-1/4" – 11-1/2 NPTF	E10F10-S
1-1/2"	1-1/2" – 11-1/2 NPTF	E12F12-S
2"	2" – 11-1/2 NPTF	E16F16-S

stainless steel

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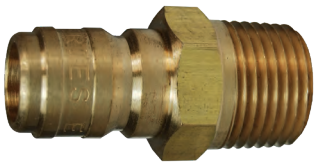
Straight-Through Male Threaded Plugs

Body Size	Threads	Steel Part #	Brass Part #
1/8"	1/8" – 27 NPTF	E1M1	E1M1-B
1/4"	1/4" – 18 NPTF	E2M2	E2M2-B
3/8"	3/8" – 18 NPTF	E3M3	E3M3-B
1/2"	1/2" – 14 NPTF	E4M4	E4M4-B
3/4"	3/4" – 14 NPTF	E6M6	E6M6-B
1"	1" – 11-1/2 NPTF	E8M8	E8M8-B
1-1/4"	1-1/4" – 11-1/4 NPTF	E10M10	E10M10-B
1-1/2"	1-1/2" – 11-1/2 NPTF	E12M12	E12M12-B
2"	2" – 11-1/2 NPTF	E16M16	E16M16-B

steel



brass

Body Size	Threads	303 Stainless Steel Part #
1/8"	1/8" – 27 NPTF	E1M1-S
1/4"	1/4" – 18 NPTF	E2M2-S
3/8"	3/8" – 18 NPTF	E3M3-S
1/2"	1/2" – 14 NPTF	E4M4-S
3/4"	3/4" – 14 NPTF	E6M6-S
1"	1" – 11-1/2 NPTF	E8M8-S

stainless steel

E-Series Hydraulic Couplings

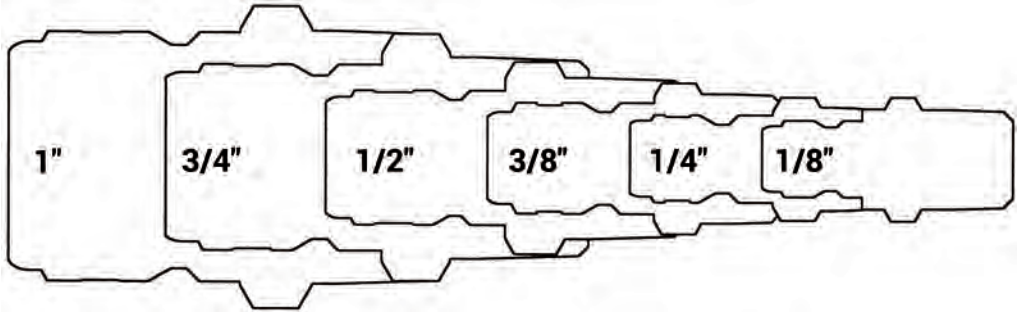
Straight-Through Hose Barb Plugs

steel

brass

Body Size	Hose I.D.	Steel Part #	Brass Part #
1/4"	1/4"	E2S2	E2S2-B
3/8"	3/8"	E3S3	E3S3-B
1/2"	1/2"	E4S4	E4S4-B
3/4"	3/4"	E6S6	E6S6-B
1"	1"	E8S8	E8S8-B

Plug Profiles



Industry/Competitor Interchange

Foster® FST
Hansen® ST
Parker® ST-Series

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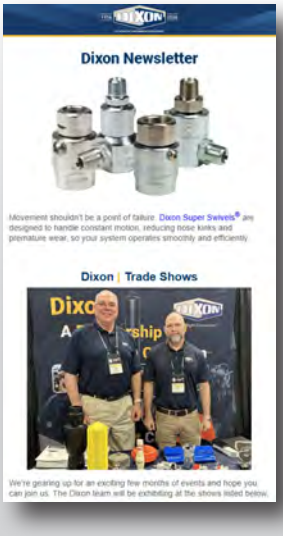

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EA-Series Hydraulic Couplings

Features

- Plug mounted sleeve guard protects against accidental disconnection
- Smooth bore full-flow design ensures maximum flow with minimal pressure drop
- Steel body components maximize service life by resisting the effects of brinneling and internal erosion
- Heavy duty knurled sleeve with locking pin provides maximum protection against brinneling and accidental disconnection
- Interchangeable with Aeroquip® FD69, Parker® Series-WB

Specifications

- Nitrile rubber seals are standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)
- Pressure rating **10000 PSI** at ambient temperature **70°F (21°C)**

Water-Blast Couplers

Body Size	Female Threads	Steel Part #
1/2"	3/8" – 18 NPTF	4EAF3
	1/2" – 14 NPTF	4EAF4

Water-Blast Plugs

Body Size	Female Threads	Steel Part #
1/2"	3/8" – 18 NPTF	EA4F3
	1/2" – 14 NPTF	EA4F4

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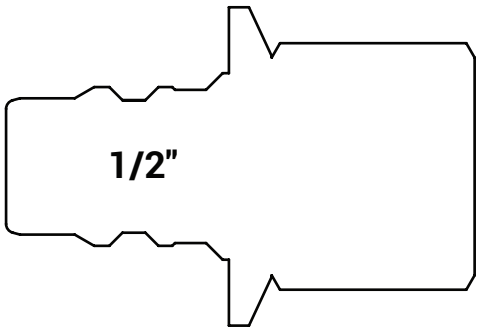
Plug Profile

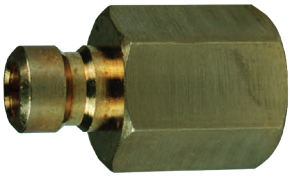


CM-Series Hydraulic Couplings

Features
- Interchangeable with Foster® Series-FJT, Hansen® Flo-Temp, Tomco® MC-Series, DME® Jiffy-Tite, and Parker® Moldmate
- Contact Dixon® for pressure ratings and other technical information

Specification
- Silicone gaskets and valve O-rings standard providing a temperature range **-90°F** to **400°F** **(-68°C** to **205°C)**

steel



brass

Industrial Mold Plug Female NPTF

Body Size	Threads	Steel Part #	Brass Part #
1/4"	1/8" – 27 NPTF	CM2F1	CM2F1-B
	1/4" – 18 NPTF	CM2F2	CM2F2-B
	3/8" – 18 NPTF	CM2F3	CM2F3-B
3/8"	1/4" – 18 NPTF	CM3F2	CM3F2-B
	3/8" – 18 NPTF	CM3F3	CM3F3-B
1/2"	1/2" – 14 NPTF	---	CM4F4-B
	3/4" – 14 NPTF	---	CM4F6-B

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Industrial Mold Plug Male NPTF

Body Size	Threads	Brass Part #
1/4"	1/8" – 27 NPTF	CM2M1-B
	1/4" – 18 NPTF	CM2M2-B
	3/8" – 18 NPTF	CM2M3-B
3/8"	1/4" – 18 NPTF	CM3M2-B
	3/8" – 18 NPTF	CM3M3-B
	1/2" – 14 NPTF	CM3M4-B
1/2"	1/2" – 14 NPTF	CM4M4-B
	3/4" – 14 NPTF	CM4M6-B

Industrial Mold Extension Plug Male NPTF

Body Size	Threads	Brass Part #
1/4"	1/8" – 27 NPTF	CM2M1-B-L2.5
		CM2M1-B-L4
		CM2M1-B-L5.5
	1/4" – 18 NPTF	CM2M2-B-L2.5
		CM2M2-B-L4
		CM2M2-B-L5.5
		CM2M2-B-L7
3/8"	1/8" – 27 NPTF	CM3M1-B-L2.5
		CM3M1-B-L4
		CM3M1-B-L5.5
		CM3M1-B-L7
	1/4" – 18 NPTF	CM3M2-B-L2.5
		CM3M2-B-L4
		CM3M2-B-L5.5
		CM3M2-B-L7
		CM3M2-B-L8.5
		CM3M2-B-L11.5

CM-Series Hydraulic Couplings

Industrial Mold Unvalved Coupler Female NPTF

Body Size	Threads	Brass Part #
1/4"	1/8" – 27 NPTF	2CMF1-B-E
	1/4" – 18 NPTF	2CMF2-B-E
3/8"	1/4" – 18 NPTF	3CMF2-B-E
	3/8" – 18 NPTF	3CMF3-B-E
1/2"	1/2" – 14 NPTF	4CMF4-B-E

Industrial Mold Valved Coupler Female NPTF

Body Size	Threads	Brass Part #
1/4"	1/8" – 27 NPTF	2CMF1-B
3/8"	1/4" – 18 NPTF	3CMF2-B

Industrial Mold Unvalved Coupler Hose Barb

Body Size	Hose I.D.	Brass Part #
1/4"	1/4"	2CMS2-B-E
	5/16"	2CMS2.5-B-E
	3/8"	2CMS3-B-E
3/8"	3/8"	3CMS3-B-E
	1/2"	3CMS4-B-E
1/2"	1/2"	4CMS4-B-E
	3/4"	4CMS6-B-E

Industrial Mold Valved Coupler Hose Barb

Body Size	Hose I.D.	Brass Part #
1/4"	1/4"	2CMS2-B
	5/16"	2CMS2.5-B
	3/8"	2CMS3-B
3/8"	3/8"	3CMS3-B
	1/2"	3CMS4-B

Industrial Mold Unvalved Coupler Push-Loc Barb

Body Size	Hose I.D.	Brass Part #
1/4"	1/4"	2CMB2-B-E
	3/8"	2CMB3-B-E
3/8"	3/8"	3CMB3-B-E
	1/2"	3CMB4-B-E
1/2"	1/2"	4CMB4-B-E
	3/4"	4CMB6-B-E

Industrial Mold Valved Coupler Push-Loc Barb

Body Size	Hose I.D.	Brass Part #
1/4"	1/4"	2CMB2-B
	3/8"	2CMB3-B
3/8"	3/8"	3CMB3-B
	1/2"	3CMB4-B

CM-Series Hydraulic Couplings

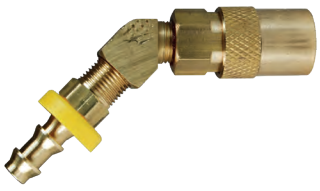
Industrial Mold Unvalved Coupler 45° Hose Barb

Body Size	Hose I.D.	Brass Part #
1/4"	1/4"	2CM4S2-B-E
	5/16"	2CM4S2.5-B-E
	3/8"	2CM4S3-B-E
3/8"	3/8"	3CM4S3-B-E
	1/2"	3CM4S4-B-E
1/2"	1/2"	4CM4S4-B-E
	3/4"	4CM4S6-B-E

Industrial Mold Valved Coupler 45° Hose Barb

Body Size	Hose I.D.	Brass Part #
1/4"	1/4"	2CM4S2-B
	3/8"	2CM4S3-B

Industrial Mold Unvalved Coupler 45° Push-Loc Barb

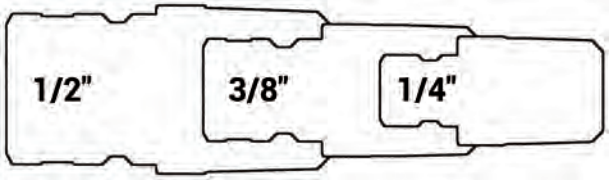


Body Size	Hose I.D.	Brass Part #
1/4"	1/4"	2CM4B2-B-E
	3/8"	2CM4B3-B-E
3/8"	3/8"	3CM4B3-B-E
	1/2"	3CM4B4-B-E
1/2"	1/2"	4CM4B4-B-E
	3/4"	4CM4B6-B-E

Industrial Mold Valved Coupler 45° Push-Loc Barb

Body Size	Hose I.D.	Brass Part #
1/4"	1/4"	2CM4B2-B
	3/8"	2CM4B3-B
3/8"	3/8"	3CM4B3-B
	1/2"	3CM4B4-B

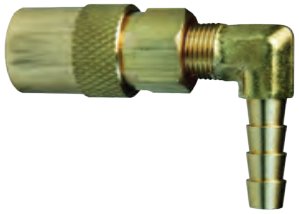
Plug Profiles



CM-Series Hydraulic Couplings

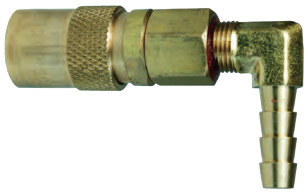
Industrial Mold Unvalved Coupler 90° Hose Barb

Body Size	Hose I.D.	Brass Part #
1/4"	1/4"	2CM9S2-B-E
	5/16"	2CM9S2.5-B-E
	3/8"	2CM9S3-B-E
3/8"	3/8"	3CM9S3-B-E
	1/2"	3CM9S4-B-E
1/2"	1/2"	4CM9S4-B-E
	3/4"	4CM9S6-B-E



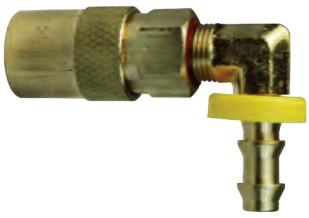
Industrial Mold Valved Coupler 90° Hose Barb

Body Size	Hose I.D.	Brass Part #
1/4"	5/16"	2CM9S2.5-B
	3/8"	2CM9S3-B
3/8"	3/8"	3CM9S3-B
	1/2"	3CM9S4-B



Industrial Mold Unvalved Coupler 90° Push-Loc Barb

Body Size	Hose I.D.	Brass Part #
1/4"	1/4"	2CM9B2-B-E
	3/8"	2CM9B3-B-E
3/8"	3/8"	3CM9B3-B-E
	1/2"	3CM9B4-B-E
1/2"	1/2"	4CM9B4-B-E
	3/4"	4CM9B6-B-E



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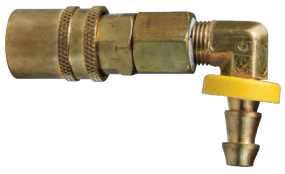
Industrial Mold Valved Coupler 90° Push-Loc Barb

Body Size	Hose I.D.	Brass Part #
1/4"	1/4"	2CM9B2-B
	3/8"	2CM9B3-B
3/8"	3/8"	3CM9B3-B
	1/2"	3CM9B4-B



Industrial Mold Interchange Dust Plugs

Body Size	Brass Part #
1/4"	2CMPC-B
3/8"	3CMPC-B
1/2"	4CMPC-B

Industrial Mold Coupler Seal Kits

Body Size	Coupler Style	Seal Kit Contents	Silicone Part #
1/4"	all	body seal	2CM-SKIT
3/8"			3CM-SKIT
1/2"			4CM-SKIT

Super Swivels® Single Plane Inline Swivels

Applications
- Hose reels, hydraulic log loaders, automatic car washes, wrecker trucks, horizontal directional drilling, robotics, power line equipment, railroad equipment, mining, and machine tool indexers

Features
- Compact design fits in tight areas
- Reduces risk of hose twisting and kinking
- Provides minimal friction allowing free movement of hoses and piping in fluid conduction power systems
- Connect directly to hose lines without adapters, reducing overall costs of hydraulics
- Style: single plane inline, 90° straights and 90° elbows; other options include dual plane and extra heavy duty
- End configurations: female/male NPTF, BSPP, face seal, JIC (37°), ORB
- Rebuild kits available, crosses: Parker® (PS), Aeroquip®, and Hydraulics Inc.

Materials
- Seal: FKM standard, other options: nitrile rubber, EPR, Neoprene®, Aflas®
- Other material options: nickel plated carbon steel, 304 stainless steel and 440 carbon stainless steel (pipe thread only)

Specifications
- Temperature range: **-15°F to 250°F (-26°C** to **121°C)**
- Additional PSI ranges available at dixonvalve.com

WARNING: Super Swivels® are not recommended for breathing air or steam

Super Swivels® Live Swivel Straight

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Female NPTF x Female NPTF

Size	PSI	Zinc-Plated Carbon Steel Part #
1/8" – 27	5000	SP5000-2
1/4" – 18		SP5000-4
3/8" – 18		SP5000-6
1/2" – 14		SP5000-8
3/4" – 14	4500	SP5000-12
1" – 11-1/2	4000	SP5000-16
1-1/4" – 11-1/2		SP5000-20

Male NPTF x Female NPTF

Size	PSI	Zinc-Plated Carbon Steel Part #
1/8" – 27	5000	SP5404-2
1/4" – 18		SP5404-4
3/8" – 18		SP5404-6
1/2" – 14		SP5404-8
3/4" – 14	4500	SP5404-12
1" – 11-1/2	4000	SP5404-16
1-1/4" – 11-1/2		SP5404-20

Male NPTF x Male JIC 37°

Male NPTF	Male JIC 37°	PSI	Zinc-Plated Carbon Steel Part #
1/4" – 18	9/16" – 18	5000	SP2404-4-6
3/8" – 18	7/8" – 14		SP2404-6-10
3/8" – 18	9/16" – 18		SP2404-6-6
3/8" – 18	3/4" – 16		SP2404-6-8
1/2" – 14	7/8" – 14		SP2404-8-10
1/2" – 14	3/4" – 16		SP2404-8-8
3/4" – 14	1-1/16" – 12	4500	SP2404-12-12
1" – 11-1/2	1-5/16" – 12	4000	SP2404-16-16
1-1/4" – 11-1/2	1-5/8" – 12		SP2404-20-20

Super Swivels® Live Swivel Straight

Male JIC° x Male JIC 37°

Size	PSI	Zinc-Plated Carbon Steel Part #
9/16" – 18	5000	SP1204-6-6
3/4" – 16		SP1204-8-8
7/8" – 14		SP1204-10-10
1-1/16" – 12	4500	SP1204-12-12
1-5/16" – 12	4000	SP1204-16-16

Male JIC° x Female JIC 37°

Size	PSI	Zinc-Plated Carbon Steel Part #
9/16" – 18	5000	SP6504-6
3/4" – 16		SP6504-8
7/8" – 14		SP6504-10
1-1/16" – 12	4500	SP6504-12
1-5/16" – 12	4000	SP6504-16
1-5/8" – 12		SP6504-20

Male JIC 37° x Female NPTF

Male JIC 37°	Female NPTF	PSI	Zinc-Plated Carbon Steel Part #
9/16" – 18	1/4" – 18	5000	SP2405-6-4
9/16" – 18	3/8" – 18		SP2405-6-6
3/4" – 16	3/8" – 18		SP2405-8-6
3/4" – 16	1/2" – 14		SP2405-8-8
7/8" – 14	1/2" – 14		SP2405-10-8
1-1/16" – 12	3/4" – 16	4500	SP2405-12-12
1-5/16" – 12	1" – 11-1/2	4000	SP2405-16-16
1-5/8" – 12	1-1/4" – 11-1/2		SP2405-20-20

Male JIC 37° Bulkhead x Male JIC 37°

Size	PSI	Zinc-Plated Carbon Steel Part #
9/16" – 18	5000	SP2700-6
3/4" – 16		SP2700-8
7/8" – 14		SP2700-10
1-1/16" – 12	4500	SP2700-12
1-5/16" – 12	4000	SP2700-16
1-5/8" – 12		SP2700-20

Male O-Ring Bulkhead x Female NPTF

Male O-Ring Bulkhead	Female NPTF	PSI	Zinc-Plated Carbon Steel Part #
9/16" – 18	1/4" – 18	5000	SP6405-6-4
3/4" – 16	3/8" – 18		SP6405-8-6
3/4" – 16	1/2" – 14		SP6405-8-8
7/8" – 14	1/2" – 14		SP6405-10-12
1-1/16" – 12	3/4" – 16	4500	SP6405-12-12
1-5/16" – 12	1" – 11-1/2	4000	SP6405-16-16
1-5/8" – 12	1-1/4" – 11-1/2		SP6405-20-20

Super Swivels® Live Swivel Straight

Male O-Ring x Male JIC 37°

Size	PSI	Zinc-Plated Carbon Steel Part #
9/16" – 18	5000	SP1231-6
3/4" – 16		SP1231-8
7/8" – 14		SP1231-10
1-1/16" – 12	4500	SP1231-12
1-5/16" – 12	4000	SP1231-16
1-5/8" – 12		SP1231-20

Male Face Seal x Male Face Seal

Size	PSI	Zinc-Plated Carbon Steel Part #
11/16" – 16	5000	SPFS2403-6
13/16" – 16		SPFS2403-8
1" – 14		SPFS2403-10
1-3/16" – 12	4500	SPFS2403-12
1-7/16" – 12	4000	SPFS2403-16

Super Swivels® Live Swivel 90° Straight

Female NPTF x Female NPTF

Size	PSI	Zinc-Plated Carbon Steel Part #
1/8" – 27	5000	SPS95504-2
1/4" – 18		SPS95504-4
3/8" – 18		SPS95504-6
1/2" – 14		SPS95504-8
3/4" – 16	4500	SPS95504-12
1" – 11-1/2	4000	SPS95504-16
1-1/4" – 11-1/2		SPS95504-20

Male NPTF x Female NPTF

Size	PSI	Zinc-Plated Carbon Steel Part #
1/8" – 27	5000	SPS95404-2
1/4" – 18		SPS95404-4
3/8" – 18 x 1/4" – 18		SPS95404-4-6
3/8" – 18		SPS95404-6
1/2" – 14		SPS95404-8
3/4" – 14	4500	SPS95404-12
1" – 11-1/2	4000	SPS95404-16
1-1/4" – 11-1/2		SPS95404-20

Male JIC 37° x Female NPTF

Male JIC 37°	Female NPTF	PSI	Zinc-Plated Carbon Steel Part #
9/16" – 18	1/4" – 18	5000	SPS92405-6-4
3/4" – 16	1/2" – 14		SPS92405-8
3/4" – 16	3/8" – 18		SPS92405-8-6
1-1/16" – 12	3/4" – 16	4500	SPS92405-12
1-5/16" – 12	1" – 11-1/2	4000	SPS92405-16
1-5/8" – 12	1-1/4" – 11-1/2		SPS92405-20

Super Swivels® Live Swivel 90° Straight

Male O-Ring x Female O-Ring

Size	PSI	Zinc-Plated Carbon Steel Part #
9/16" – 18	5000	SPS6815-6
3/4" – 16		SPS6815-8
7/8" – 14 x 3/4" – 16		SPS6815-10-8
1-1/16" – 12	4500	SPS6815-12
1-5/16" – 12	4000	SPS6815-16
1-5/8" – 12		SPS6815-20

Super Swivels® Live Swivel 90° Elbows

Male NPTF x Male NPTF

Size	PSI	Zinc-Plated Carbon Steel Part #
1/4" – 18	3500	SP5500-4
3/8" – 18		SP5500-6
1/2" – 14		SP5500-8
3/4" – 14		SP5500-12
1" – 11-1/2		SP5500-16

Female NPTF x Male NPTF

Size	PSI	Zinc-Plated Carbon Steel Part #
1/4" – 18	3500	SPS95502-4
3/8" – 18		SPS95502-6
1/2" – 14		SPS95502-8
3/4" – 14		SPS95502-12
1" – 11-1/2		SPS95502-16
1-1/4" – 11-1/2		SPS95502-20

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Male NPTF x Female NPSM

Size	PSI	Zinc-Plated Carbon Steel Part #
1/4" – 18	3500	SPS91501-4
1/4" – 18 x 3/8" – 18		SPS91501-4-6
3/8" – 18 x 1/4" – 18		SPS91501-6
3/8" – 18		SPS91501-6-6
1/2" – 14		SPS91501-8
3/4" – 14		SPS91501-12
1" – 11-1/2		SPS91501-16
1-1/4" – 11-1/2		SPS91501-20

Male NPTF x Female JIC 37°

Male NPTF	Female JIC 37°	PSI	Zinc-Plated Carbon Steel Part #
1/4" – 18	7/16" – 20	3500	SPS96501-4-6
1/2" – 14	3/4" – 16		SPS96501-8
1" – 11-1/2	1-5/16" – 12	4000	SPS96501-16
1-1/4" – 11-1/2	1-5/8" – 12		SPS96501-20

Super Swivels® Live Swivel 90° Elbows

Male JIC 37° x Female JIC 37°

Size	PSI	Zinc-Plated Carbon Steel Part #
9/16" – 18	3500	SPS96500-6
3/4" – 16		SPS96500-8
7/8" – 14	4500	SPS96500-10
1-1/16" – 12		SPS96500-12
1-5/16" – 12	4000	SPS96500-16
1-5/8" – 12		SPS96500-20

Male JIC 37° x Male NPTF

Male JIC 37°	Male NPTF	PSI	Zinc-Plated Carbon Steel Part #
7/16" – 20	1/4" – 18	3500	SPS92501-4
9/16" – 18	1/4" – 18		SPS92501-6-4
9/16" – 18	3/8" – 18		SPS92501-6
3/4" – 16	3/8" – 18		SPS92501-8-6
3/4" – 16	1/2" – 14		SPS92501-8
7/8" – 14	1/2" – 14		SPS92501-10-8
1-1/16" – 12	3/4" – 14		SPS92501-12
1-5/16" – 12	1" – 11-1/2		SPS92501-16
1-5/8" – 12	1-1/4" – 11-1/2		SPS92501-20

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Male O-Ring x Female NPSM

Male ORB	Female NPSM	PSI	Zinc-Plated Carbon Steel Part #
9/16" – 18	1/4" – 18	3500	SPS96901-4-6
7/8" – 14	1/2" – 14		SPS96901-10-8
1-1/16" – 12	3/4" – 14		SPS96901-12
1-5/16" – 12	1" – 11-1/2		SPS96901-16
1-5/8" – 12	1-1/4" – 11-1/2		SPS96901-20

Male O-Ring x Male JIC 37°

Size	PSI	Zinc-Plated Carbon Steel Part #
9/16" – 18	3500	SPS91238-6
3/4" – 16		SPS91238-8
7/8" – 14		SPS91238-10
1-1/16" – 12		SPS91238-12
1-5/16" – 12		SPS91238-16
1-5/8" – 12		SPS91238-20

Hydraulic Adapters – Flat Face

Male Unions

Specifications
- Reference SAE 520101
- Pressure rating at **70°F (21°C)**

Male Flat Face	PSI	Zinc Plated Steel Part #
9/16" – 18	6000	FS2403-4
11/16" – 16		FS2403-6
13/16" – 16		FS2403-8
1" – 14		FS2403-10
1-3/16" – 12		FS2403-12
1-7/16" – 12		FS2403-16

Male x Male SAE O-ring Boss® Connectors

Specifications
- Reference SAE 520120
- Pressure rating at **70°F (21°C)**

Male Flat Face	Male SAE O-ring Boss	PSI	Zinc Plated Steel Part #
9/16" – 18	7/16" – 20	5000	FS6400-4-4
11/16" – 16	9/16" – 18		FS6400-6-6
13/16" – 16	3/4" – 16	4500	FS6400-8-8
1" – 14	7/8" – 14	3500	FS6400-10-10
1-3/16" – 12	1-1/16" – 12		FS6400-12-12
1-7/16" – 12	1-5/16" – 12	3000	FS6400-16-16

Male x Male NPTF Connectors

Specifications
- Reference SAE 520102
- Pressure rating at **70°F (21°C)**

Male Flat Face	Male NPTF	PSI	Zinc Plated Steel Part #
9/16" – 18	1/4" – 18	5000	FS2404-4-4
11/16" – 16	3/8" – 18	4000	FS2404-6-6
13/16" – 16	1/2" – 14	3000	FS2404-8-8
1-3/16" – 12	3/4" – 14	2500	FS2404-12-12
1-7/16" – 12	1" – 11-1/2	2000	FS2404-16-16

Male x Female Swivel Nut 90° Elbows

Specifications
- Reference SAE 520221
- Pressure rating at **70°F (21°C)**

Male Flat Face	Female Flat Face	PSI	Zinc Plated Steel Part #
9/16" – 18	9/16" – 18	6000	FS6500-4-4
11/16" – 16	11/16" – 16		FS6500-6-6
13/16" – 16	13/16" – 16		FS6500-8-8
1" – 14	1" – 14		FS6500-10-10
1-3/16" – 12	1-3/16" – 12		FS6500-12-12
1-7/16" – 12	1-7/16" – 12		FS6500-16-16

Male x Male SAE O-ring Boss 90° Elbows

Specifications
- Reference SAE 520220
- Pressure rating at **70°F (21°C)**

Male Flat Face	Male SAE O-ring Boss	PSI	Zinc Plated Steel Part #
9/16" – 18	7/16" – 20	5000	FS6801-4-4
11/16" – 16	9/16" – 18		FS6801-6-6
13/16" – 16	3/4" – 16	4500	FS6801-8-8
1" – 14	7/8" – 14	3500	FS6801-10-10
1-3/16" – 12	1-1/16" – 12		FS6801-12-12
1-7/16" – 12	1-5/16" – 12	3000	FS6801-16-16

Hydraulic Adapters – Flat Face

Male x Male NPTF 90° Elbows

Specifications
- Reference SAE 520202
- Pressure rating at **70°F (21°C)**

Male Flat Face	Male NPTF	PSI	Zinc Plated Steel Part #
9/16" – 18	1/4" – 18	**5000**	FS2501-4-4
11/16" – 16	3/8" – 18	**4000**	FS2501-6-6
13/16" – 16	1/2" – 14	**3000**	FS2501-8-8
1-3/16" – 12	3/4" – 14	**2500**	FS2501-12-12
1-7/16" – 12	1" – 11-1/2	**2000**	FS2501-16-16

Male Union Tees

Specifications
- Reference SAE 520401
- Pressure rating at **70°F (21°C)**

Male Flat Face	Male Flat Face	Male Flat Face	PSI	Zinc Plated Steel Part #
9/16" – 18	9/16" – 18	9/16" – 18	**6000**	FS2603-4
11/16" – 16	11/16" – 16	11/16" – 16		FS2603-6
13/16" – 16	13/16" – 16	13/16" – 16		FS2603-8
1" – 14	1" – 14	1" – 14		FS2603-10
1-3/6" – 12	1-3/16" – 12	1-3/16" – 12		FS2603-12
1-7/16" – 12	1-7/16" – 12	1-7/16" – 12		FS2603-16

Male x Female Swivel x Male Run Tees

Specifications
- Reference SAE 520432
- Pressure rating at **70°F (21°C)**

Male Flat Face	Female Flat Face Swivel	Male Flat Face	PSI	Zinc Plated Steel Part #
9/16" – 18	9/16" – 18	9/16" – 18	**4500**	FS6602-4
11/16" – 16	11/16" – 16	11/16" – 16	**4000**	FS6602-6
13/16" – 16	13/16" – 16	13/16" – 16		FS6602-8
1" – 14	1" – 14	1" – 14	**3000**	FS6602-10
1-3/16" – 12	1-3/16" – 12	1-3/16" – 12		FS6602-12
1-7/16" – 12	1-7/16" – 12	1-7/16" – 12	**2500**	FS6602-16

Caps

Specifications
- Reference SAE 520112
- Pressure rating at **70°F (21°C)**

Female Flat Face	PSI	Zinc Plated Steel Part #
9/16" – 18	**6000**	FS304C-4
11/16" – 16		FS304C-6
13/16" – 16		FS304C-8
1" – 14		FS304C-10
1-3/16" – 12		FS304C-12
1-7/16" – 12		FS304C-16

Plugs

Specifications
- Reference SAE 520109
- Pressure rating at **70°F (21°C)**

Male Flat Face	PSI	Zinc Plated Steel Part #
9/16" – 18	**6000**	FS2408-4
11/16" – 16		FS2408-6
13/16" – 16		FS2408-8
1" – 14		FS2408-10
1-3/16" – 12		FS2408-12
1-7/16" – 12		FS2408-16

Hydraulic Adapters – O-ring Boss®

Port Reducers

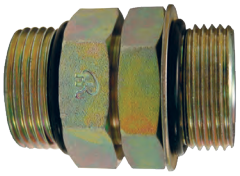
Specification
- Pressure rating at **70°F (21°C)**

Male SAE O-ring Boss	Female O-ring Port	PSI	Zinc Plated Steel Part #
9/16" – 18	7/16" – 20	**5000**	6410-6-4
	3/4" – 16	**4500**	6410-6-8
3/4" – 16	7/8" – 14	**3500**	6410-8-10
	9/16" – 18	**4500**	6410-8-6
7/8" – 14	1-1/16" – 12	**3500**	6410-10-12
	3/4" – 16		6410-10-8
1-1/16" – 12	7/8" – 14	**3000**	6410-12-10
	1-5/16" – 12		6410-12-16

Adjustable Unions

Specification
- Pressure rating at **70°F (21°C)**

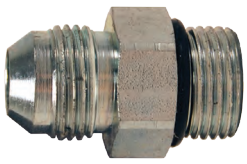
Male O-ring Boss	Adjustable O-ring Boss	PSI	Zinc Plated Steel Part #
7/16" – 20	7/16" – 20	**4500**	6403-4
9/16" – 18	9/16" – 18	**4000**	6403-6
3/4" – 16	3/4" – 16		6403-8
7/8" – 14	7/8" – 14	**3000**	6403-10
1-1/16" – 12	1-1/16" – 12		6403-12
1-5/16" – 12	1-5/16" – 12	**2500**	6403-16



Male JIC x Male SAE

Specifications
- Reference SAE 070120
- Pressure rating at **70°F (21°C)**

Male JIC	Male SAE O-ring Boss	PSI	Zinc Plated Steel Part #
7/16" – 20	7/16" – 20	**5000**	1231-04-04
	9/16" – 18		1231-04-06
	3/4" – 16	**4500**	1231-04-08
1/2" – 20	1/2" – 20	**5000**	1231-05-05
9/16" – 18	7/16" – 20		1231-06-04
	9/16" – 18		1231-06-06
	3/4" – 16	**4500**	1231-06-08
	7/8" – 14	**3500**	1231-06-10
3/4" – 16	9/16" – 18	**4500**	1231-08-06
	3/4" – 16		1231-08-08
	7/8" – 14	**3500**	1231-08-10
	1-1/16" – 12		1231-08-12
7/8" – 14	3/4" – 16		1231-10-08
	7/8" – 14		1231-10-10
	1-1/16" – 12		1231-10-12
1-1/16" – 12	7/8" – 14		1231-12-10
	1-1/16" – 12		1231-12-12
	1-5/16" – 12	**3000**	1231-12-16
1-5/16" – 12	1-1/16" – 12		1231-16-12
	1-5/16" – 12		1231-16-16
	1-5/8" – 12	**2500**	1231-16-20
1-6/8" – 12	1-5/16" – 12		1231-20-16
1-5/8" – 12	1-5/8" – 12		1231-20-20



Male x Male NPTF

Specification
- Pressure rating at **70°F (21°C)**

Male SAE O-ring Boss	Male NPTF Pipe Adapter	PSI	Zinc Plated Steel Part #
7/16" – 20	1/4" – 18	**5000**	6401-4-4
9/16" – 18	1/4" – 18	**4000**	6401-6-4
	3/8" – 18		6401-6-6
	1/2" – 14	**3000**	6401-6-8
3/4" – 16	3/8" – 18		6401-8-6
	1/2" – 14		6401-8-8
7/8" – 14	1/2" – 14		6401-10-8
1-1/16" – 12	3/4" – 14	**2500**	6401-12-12
1-5/16" – 12	1" – 11-1/2	**2000**	6401-16-16

Hydraulic Adapters – O-ring Boss® (ORB)

Male x Female NPTF

Specification
- Pressure rating at **70°F (21°C)**

Male SAE O-ring Boss	Female NPTF Pipe	PSI	Zinc Plated Steel Part #
7/16" – 20	1/8" – 27	5000	6405-4-2
	1/4" – 18		6405-4-4
	3/8" – 18	4000	6405-4-6
9/16" – 18	1/4" – 18		6405-6-4
	3/8" – 18		6405-6-6
	1/2" – 14	3000	6405-6-8
3/4" – 16	3/8" – 18	4000	6405-8-6
	1/2" – 14	3000	6405-8-8
7/8" – 14	1/4" – 18		6405-10-4
	1/2" – 14		6405-10-8
	3/4" – 14	2500	6405-10-12
1-1/16" – 12	1/2" – 14	3000	6405-12-8
	3/4" – 14	2500	6405-12-12
	1" – 11-1/2	2000	6405-12-16
1-5/16" – 12	3/4" – 14	2500	6405-16-12
	1" – 11-1/2	2000	6405-16-16
	1-1/4" – 11-1/2	1150	6405-16-20
1-5/8" – 12	1" – 11-1/2	2000	6405-20-16
	1-1/4" – 11-1/2	1150	6405-20-20

90° Male SAE x Male JIC Elbows

Specifications
- Reference SAE 070220
- Pressure rating at **70°F (21°C)**

Male SAE O-ring Boss	Male JIC	PSI	Zinc Plated Steel Part #
7/16" – 20	7/16" – 20	5000	1238-04-04
	9/16" – 18		1238-04-06
9/16" – 18	7/16" – 20		1238-06-04
	9/16" – 18		1238-06-06
3/4" – 16	9/16" – 18	4500	1238-08-06
	3/4" – 16		1238-08-08
	7/8" – 14	3500	1238-08-10
7/8" – 14	3/4" – 16		1238-10-08
	7/8" – 14		1238-10-10
	1-1/16" – 12		1238-10-12
1-1/16" – 12	7/8" – 14		1238-12-10
	1-1/16" – 12		1238-12-12
	1-5/16" – 12	3000	1238-12-16
1-5/16" – 16	1-1/16" – 12		1238-16-12
1-5/16" – 12	1-5/16" – 12		1238-16-16
1-5/8" – 12	1-5/16" – 12	2500	1238-20-16
	1-5/8" – 12		1238-20-20
1-7/8" – 12	1-7/8" – 12	2000	1238-24-24

90° SAE x Female NPSM Swivel Nut Elbows

Specifications
- Reference SAE 140257
- Pressure rating at **70°F (21°C)**

Male SAE O-ring Boss	Female NPSM Swivel	PSI	Zinc Plated Steel Part #
7/16" – 20	1/4" – 18	4500	6901-4-4
	3/8" – 18	4000	6901-4-6
9/16" – 18	1/4" – 18		6901-6-4
	3/8" – 18		6901-6-6
	1/2" – 14		6901-6-8
3/4" – 16	3/8" – 18	3500	6901-8-6
	1/2" – 14	4000	6901-8-8
	3/4" – 14	3000	6901-8-12
7/8" – 14	1/2" – 14	3500	6901-10-8
	3/4" – 14	3000	6901-10-12
1-1/16" – 12	1/2" – 14	3500	6901-12-8
	3/4" – 14	3000	6901-12-12
	1" – 11-1/2	2500	6901-12-16
1-5/16" – 12	3/4" – 14	3000	6901-16-12
	1" – 11-1/2	2500	6901-16-16
	1-1/4" – 11-1/2	2000	6901-16-20
1-5/8" – 12	1-1/4" – 11-1/2		6901-20-20

Hydraulic Adapters – O-ring Boss® (ORB)

45° Male SAE x Male JIC Elbows

Specifications
- Reference SAE 070320
- Pressure rating at **70°F (21°C)**

Male SAE O-ring Boss	Male JIC	PSI	Zinc Plated Steel Part #
7/16" – 20	7/16" – 20	5000	1240-04-04
9/16" – 18	9/16" – 18		1240-06-06
	3/4" – 16	4500	1240-06-08
3/4" – 16	9/16" – 18		1240-08-06
	3/4" – 16		1240-08-08
	7/8" – 14	3500	1240-08-10
7/8" – 14	3/4" – 16		1240-10-08
	7/8" – 14		1240-10-10
	1-1/16" – 12		1240-10-12
1-1/16" – 12	7/8" – 14		1240-12-10
	1-1/16" – 12		1240-12-12
	1-5/16" – 12	3000	1240-12-16
1-5/16" – 12	1-5/16" – 12		1240-16-16
1-5/8" – 12	1-5/16" – 12	2500	1240-20-16
	1-5/8" – 12		1240-20-20

Male 37° Flare x Male Branch Tees

Specifications
- Reference SAE 070429
- Pressure rating at **70°F (21°C)**

(2) Male JIC 37°	Male SAE O-ring Boss	PSI	Zinc Plated Steel Part #
7/16" – 20	7/16" – 20	5000	6803-4
9/16" – 18	9/16" – 18		6803-6
3/4" – 16	3/4" – 16	4500	6803-8
7/8" – 14	7/8" – 14	3500	6803-10
1-1/16" – 12	1-1/16" – 12		6803-12
1-5/16" – 12	1-5/16" – 12	3000	6803-16

SAE Plugs

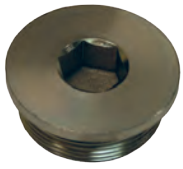
Specifications
- Reference SAE 090109A
- Pressure rating at **70°F (21°C)**

Male SAE O-ring Boss	PSI	Zinc Plated Steel Part #
7/16" – 20	5000	1255-04H
9/16" – 18		1255-06H
3/4" – 16	4500	1255-08H
7/8" – 14	3500	1255-10H
1-1/16" – 12		1255-12H
1-5/16" – 12	3000	1255-16H
1-5/8" – 12	2500	1255-20H
1-7/8" – 12	2000	1255-24H
2-1/2" – 12	1500	1255-32H

Hollow Hex Plugs

Specifications
- Reference SAE 090109B
- Pressure rating at **70°F (21°C)**
- Requires Allen wrench

Male SAE O-ring Boss	PSI	Zinc Plated Steel Part #
7/16" – 20	5000	6408HHP-4
9/16" – 18		6408HHP-6
3/4" – 16	4500	6408HHP-8
7/8" – 14	3500	6408HHP-10
1-1/16" – 12		6408HHP-12
1-5/16" – 12	3000	6408HHP-16
1-5/8" – 12	2500	6408HHP-20
1-7/8" – 12	1500	6408HHP-24
2-1/2" – 12		6408HHP-32



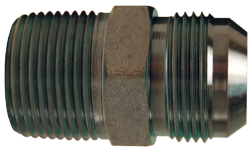
Hydraulic Adapters – 37° JIC

Male x Male

Specifications
- Reference SAE 070101
- Pressure rating at **70°F (21°C)**

Male JIC 37°	Male JIC 37°	PSI	Zinc Plated Steel Part #
7/16" – 20	7/16" – 20	**5000**	1204-04-04
9/16" – 18	9/16" – 18		1204-06-06
3/4" – 16	7/16" – 20	**4500**	1204-08-04
	3/4" – 16		1204-08-08
7/8" – 14	3/4" – 16	**3500**	1204-10-08
	7/8" – 14		1204-10-10
1-1/16" – 12	3/4" – 16		1204-12-08
	7/8" – 14		1204-12-10
	1-1/16" – 12		1204-12-12
1-5/16" – 12	1-1/16" – 12	**3000**	1204-16-12
	1-5/16" – 12		1204-16-16
1-5/8" – 12	1-5/8" – 12	**2500**	1204-20-20
1-7/8" – 12	1-7/8" – 12	**2000**	1204-24-24

Male Flare x Male NPTF



Specifications
- Reference SAE 070102
- Pressure rating at **70°F (21°C)**

Male JIC 37° Flare	Male NPTF	PSI	Zinc Plated Steel Part #	316 Stainless Steel Part #
7/16" – 20	1/8" – 27	**4500**	2404-4-2	---
	1/4" – 18		2404-4-4	SS2404-4-4
	3/8" – 18	**4000**	2404-4-6	---
	1/2" – 14	**3000**	2404-4-8	---
1/2" – 20	1/8" – 27	**4000**	2404-5-2	---
9/16" – 18	1/8" – 27		2404-6-2	---
	1/4" – 18		2404-6-4	---
	3/8" – 18		2404-6-6	SS2404-6-6
	1/2" – 14	**3000**	2404-6-8	---
3/4" – 16	1/4" – 18	**4000**	2404-8-4	---
	3/8" – 18		2404-8-6	---
	1/2" – 14	**3000**	2404-8-8	SS2404-8-8
	3/4" – 14	**2500**	2404-8-12	---
7/8" – 14	1/2" – 14	**3000**	2404-10-8	---
	3/4" – 14	**2500**	2404-10-12	---
1-1/16" – 12	1/2" – 14	**3000**	2404-12-8	---
	3/4" – 14	**2500**	2404-12-12	SS2404-12-12
	1" – 11-1/2	**2000**	2404-12-16	---
1-5/16" – 12	3/4" – 14	**2500**	2404-16-12	---
	1" – 11-1/2	**2000**	2404-16-16	SS2404-16-16
1-5/8" – 12	1-1/4" – 11-1/2	**1150**	2404-20-20	---
1-7/8" – 12	1-1/2" – 11-1/2	**1000**	2404-24-24	---
2-1/2" – 12	2" – 11-1/2		2404-32-32	---

Male Flare x Female NPTF

Specifications
- Reference SAE 070103
- Pressure rating at **70°F (21°C)**

Male JIC 37° Flare	Female NPTF	PSI	Zinc Plated Steel Part #	316 Stainless Steel Part #
7/16" – 20	1/8" – 27	**4500**	2405-4-2	---
	1/4" – 18		2405-4-4	SS2405-4-4
9/16" – 18	1/4" – 18	**4000**	2405-6-4	---
	3/8" – 18		2405-6-6	SS2405-6-6
	1/2" – 14	**3000**	2405-6-8	---
3/4" – 16	3/8" – 18	**4000**	2405-8-6	---
	1/2" – 14	**3000**	2405-8-8	SS2405-8-8
	3/4" – 14	**2500**	2405-8-12	---
7/8" – 14	1/2" – 14	**3000**	2405-10-8	---
1-1/16" – 12	3/4" – 14	**2500**	2405-12-12	SS2405-12-12
	1" – 11-1/2	**2000**	2405-12-16	---
1-5/16" – 12	1" – 11-1/2		2405-16-16	SS2405-16-16
1-5/8" – 12	1-1/4" – 11-1/2	**1150**	2405-20-20	---

Hydraulic Adapters – 37° JIC

Female Swivel x Male NPTF

Specification
- Pressure rating at **70°F (21°C)**

Female JIC 37° Swivel	Male NPTF Pipe	PSI	Zinc Plated Steel Part #
7/16" – 20	1/8" – 27	4500	6505-4-2
	1/4" – 18		6505-4-4
1/2" – 20	1/4" – 18	4000	6505-5-4
9/16" – 18	1/4" – 18		6505-6-4
	3/8" – 18		6505-6-6
3/4" – 16	3/8" – 18		6505-8-6
	1/2" – 14	3000	6505-8-8
7/8" – 14	1/2" – 14		6505-10-8
	3/4" – 14	2500	6505-10-12
1-1/16" – 12	1/2" – 14	3000	6505-12-8
	3/4" – 14	2500	6505-12-12
1-5/16" – 12	3/4" – 14		6505-16-12
	1" – 1/2	2000	6505-16-16
1-5/8" – 12	1-1/4" – 11-1/2	1150	6505-20-20
1-7/8" – 12	1-1/2" – 11-1/2	1000	6505-24-24
2-1/2" – 12	2" – 11-1/2		6505-32-32

Female Swivel x Female NPTF

Specification
- Pressure rating at **70°F (21°C)**

Female JIC 37° Swivel	Female NPTF	PSI	Zinc Plated Steel Part #
7/16" – 20	1/4" – 18	4500	6506-4-4
	3/8" – 18	4000	6506-4-6
9/16" – 18	1/4" – 18		6506-6-4
	3/8" – 18		6506-6-6
3/4" – 16	1/2" – 14	3000	6506-8-8
7/8" – 14	1/2" – 14		6506-10-8
1-1/16" – 12	3/4" – 14	2500	6506-12-12
1-5/16" – 12	1" – 11-1/2	2000	6506-16-16

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90° Male Flare Elbows

Specifications
- Reference SAE 070201
- Pressure rating at **70°F (21°C)**

Male JIC 37° Flare	Male JIC 37° Flare	PSI	Zinc Plated Steel Part #
7/16" – 20	7/16" – 20	5000	1234-04-04
9/16" – 18	9/16" – 18		1234-06-06
3/4" – 16	3/4" – 16	4500	1234-08-08
7/8" – 14	7/8" – 14	3500	1234-10-10
1-1/16" – 12	1-1/16" – 12		1234-12-12
1-5/16" – 12	1-5/16" – 12	3000	1234-16-16
1-5/8" – 12	1-5/8" – 12	2500	1234-20-20

90° Male Flare x Female Flare Swivel Elbows

Specifications
- Reference SAE 070221
- Pressure rating at **70°F (21°C)**

Male 37° JIC Flare	Female 37° JIC Swivel	PSI	Zinc Plated Steel Part #
7/16" – 20	7/16" – 20	5000	6500-4
9/16" – 18	9/16" – 18		6500-6
	7/16" – 20		6500-6-4
	3/4" – 16	4500	6500-6-8
3/4" – 16	3/4" – 16		6500-8
	9/16" – 18		6500-8-6
	7/8" – 14	3500	6500-8-10
7/8" – 14	7/8" – 14		6500-10
1-1/16" – 12	1-1/16" – 12		6500-12
	7/8" – 14		6500-12-10
1-5/16" – 12	1-5/16" – 12	3000	6500-16
1-5/8" – 12	1-5/8" – 12	2500	6500-20

Hydraulic Adapters – 37° JIC

90° Male Flare x Male NPTF Elbows

Specifications
- Reference SAE 070202
- Pressure rating at **70°F (21°C)**

Male JIC 37° Flare	Male NPTF	PSI	Zinc Plated Steel Part #	316 Stainless Steel Part #
7/16" – 20	1/8" – 27	4500	2501-4-2	---
	1/4" – 18		2501-4-4	SS2501-4-4
	3/8" – 18	4000	2501-4-6	---
9/16" – 18	1/8" – 27		2501-6-2	---
	1/4" – 18		2501-6-4	---
	3/8" – 18		2501-6-6	SS2501-6-6
	1/2" – 14	3000	2501-6-8	---
3/4" – 16	1/4" – 18	4000	2501-8-4	---
	3/8" – 18		2501-8-6	---
	1/2" – 14	3000	2501-8-8	SS2501-8-8
	3/4" – 14	2500	2501-8-12	---
7/8" – 14	1/2" – 14	3000	2501-10-8	---
	3/4" – 14	2500	2501-10-12	---
1-1/16" – 12	1/2" – 14	3000	2501-12-8	---
	3/4" – 14	2500	2501-12-12	SS2501-12-12
	1" – 11-1/2	2000	2501-12-16	---
1-5/16" – 12	3/4" – 14	2500	2501-16-12	---
	1" – 11-1/2	2000	2501-16-16	SS2501-16-16
1-5/8" – 12	1" – 11-1/2		2501-20-16	---
	1-1/4" – 11-1/2	1150	2501-20-20	---
1-7/8" – 12	1-1/2" – 11-1/2	1000	2501-24-24	---
2-1/2" – 12	2" – 11-1/2		2501-32-32	---

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90° Female Swivel x Male NPTF Elbows

Specification
- Pressure rating at **70°F (21°C)**

Female JIC 37° Swivel	Male NPTF	PSI	Zinc Plated Steel Part #
7/16" – 20	1/8" – 27	4500	6501-4-2
	1/4" – 18		6501-4-4
1/2" – 20	1/8" – 27	4000	6501-5-2
9/16" – 18	1/4" – 18		6501-6-4
	3/8" – 18		6501-6-6
3/4" – 16	3/8" – 18		6501-8-6
	1/2" – 14	3000	6501-8-8
7/8" – 14	1/2" – 14		6501-10-8
1-1/16" – 12	3/4" – 14	2500	6501-12-12
1-3/16" – 12	3/4" – 14		6501-14-12
1-5/16" – 12	1" – 11-1/2	2000	6501-16-16
1-5/8" – 12	1-1/4" – 11-1/2	1150	6501-20-20
1-7/8" – 12	1-1/2" – 11-1/2	1000	6501-24-24
2-1/2" – 12	2" – 11-1/2		6501-32-32

45° Male Flare x Female Swivel Elbows

Specifications
- Reference SAE 070321
- Pressure rating at **70°F (21°C)**

Male JIC 37°	Female JIC 37° Swivel	PSI	Zinc Plated Steel Part #
7/16" – 20	7/16" – 20	4500	6502-4
9/16" – 18	9/16" – 18	4000	6502-6
3/4" – 16	3/4" – 16		6502-8
7/8" – 14	7/8" – 14	3000	6502-10
1 1/16" – 12	1 1/16" – 12		6502-12
1 5/16" – 12	1 5/16" – 12	2500	6502-16
1-5/8" – 12	1-5/8" – 12	2000	6502-20

Hydraulic Adapters – 37° JIC

45° Male Flare x Male NPTF Elbows

Specifications
- Reference SAE 070302
- Pressure rating at **70°F (21°C)**

Male JIC 37° Flare	Male NPTF	PSI	Zinc Plated Steel Part #
7/16" – 20	1/8" – 27	4500	2503-4-2
	1/4" – 18		2503-4-4
9/16" – 18	1/4" – 18	4000	2503-6-4
	3/8" – 18		2503-6-6
3/4" – 16	1/4" – 18		2503-8-4
	3/8" – 18		2503-8-6
	1/2" – 14	3000	2503-8-8
7/8" – 14	1/2" – 14		2503-10-8
	3/4" – 14	2500	2503-10-12
1-1/16" – 12	3/4" – 14		2503-12-12
1-5/16" – 12	3/4" – 14		2503-16-12
	1" – 11-1/2	2000	2503-16-16

Male Flare Union Tees

Specifications
- Reference SAE 070401
- Pressure rating at **70°F (21°C)**

Male JIC 37° Flare (3)	PSI	Zinc Plated Steel Part #
7/16 "– 20	5000	2603-4
9/16" – 18		2603-6
3/4" – 16	4500	2603-8
7/8" – 14	3500	2603-10
1-1/16" – 12		2603-12
1-5/16" – 12	3000	2603-16

Male Flare x Female Swivel Tees

Specifications
- Reference SAE 070433
- Pressure rating at **70°F (21°C)**

Male JIC 37° Flare (2)	Female JIC 37° Swivel	PSI	Zinc Plated Steel Part #
7/16" – 20	7/16" – 20	4500	6600-4
9/16" – 18	9/16" – 18	4000	6600-6
3/4" – 16	3/4" – 16		6600-8
1 1/16" – 12	1 1/16" – 12	3000	6600-12
1 5/16" – 12	1 5/16" – 12	2500	6600-16

Male Flare x Female Swivel Branch Tees

Specifications
- Reference SAE 070432
- Pressure rating at **70°F (21°C)**

Male JIC 37° Flare (2)	Female JIC 37° Swivel	PSI	Zinc Plated Steel Part #
7/16" – 20	7/16" – 20	4500	6602-4
9/16" – 18	9/16" – 18	4000	6602-6
3/4" – 16	3/4" – 16		6602-8
7/8" – 14	7/8" – 14	3000	6602-10
1-1/16" – 12	1-1/16" – 12		6602-12
1-5/16" – 12	1-5/16" – 12	2500	6602-16
1-5/8" – 12	1-5/8" – 12	2000	6602-20

Male Flare x Male NPTF Branch Tees

Specifications
- Reference SAE070425
- Pressure rating at **70°F (21°C)**

Male JIC 37° Flare (2)	Male NPTF	PSI	Zinc Plated Steel Part #
7/16" – 20	1/4" – 18	5000	2601-4-4-4
9/16" – 18	1/4" – 18		2601-6-6-4
	3/8" – 18	4000	2601-6-6-6
3/4" – 16	1/2" – 14	3000	2601-8-8-8
7/8" – 14	1/2" – 14		2601-10-10-8
1-1/16" – 12	3/4" – 14	2500	2601-12-12-12
1-5/16" – 12	1" – 11-1/2	2000	2601-16-16-16

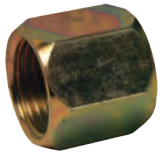
Hydraulic Adapters – 37° JIC

Flare Caps

Specifications
- Reference SAE 070112
- Pressure rating at **70°F (21°C)**

Female JIC 37° Flare	Tube O.D.	PSI	Zinc Plated Steel Part #
5/16" – 24	1/8"	5000	0304C-2
7/16" – 20	1/4"		0304C-4
9/16" – 18	3/8"		0304C-6
3/4" – 16	1/2"	4500	0304C-8
7/8" – 14	5/8"	3500	0304C-10
1-1/16" – 12	3/4"		0304C-12
1-5/16" – 12	1"	3000	0304C-16
1-5/8" – 12	1-1/4"	2500	0304C-20
1-7/8" – 12	1-1/2"	2000	0304C-24
2-1/2" – 12	2"	1500	0304C-32

Flare Tube Nuts



Specifications
- Reference SAE 070110
- Pressure rating at **70°F (21°C)**

Female JIC 37° Flare	Tube O.D.	PSI	Zinc Plated Steel Part #
7/16" – 20	1/4"	5000	0318-4
9/16" – 18	3/8"		0318-6
3/4" – 16	1/2"	4500	0318-8
7/8" – 14	5/8"	3500	0318-10
1-1/16" – 12	3/4"		0318-12
1-5/16" – 12	1"	3000	0318-16

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Screw Thread Plugs

Specifications
- Reference SAE 070109
- Pressure rating at **70°F (21°C)**

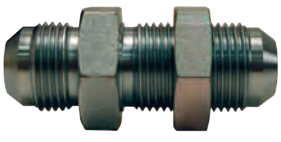
Male JIC 37° Flare	PSI	Zinc Plated Steel Part #
5/16" – 24	5000	1254-02H
7/16" – 20		1254-04H
9/16" – 18		1254-06H
3/4" – 16	4500	1254-08H
7/8" – 14	3500	1254-10H
1-1/16" – 12		1254-12H
1-5/16" – 12	3000	1254-16H
1-5/8" – 12	2500	1254-20H

Flare Tube Sleeves

Specifications
- Reference SAE 070115
- Pressure rating at **70°F (21°C)**

Female JIC 37° Flare	PSI	Zinc Plated Steel Part #
7/16" – 20	5000	0319-4
9/16" – 18		0319-6
3/4" – 16	4500	0319-8
7/8" – 14	3500	0319-10
1-1/16" – 12		0319-12
1-5/16" – 12	3000	0319-16

Flare Bulkhead Unions with Lock Nut



Specifications
- Reference SAE 070601
- Pressure rating at **70°F (21°C)**

Male JIC 37° Flare	PSI	Zinc Plated Steel Part #
7/16" – 20	5000	2700LN-4
9/16" – 18		2700LN-6
3/4" – 16	4500	2700LN-8
7/8" – 14	3500	2700LN-10
1-1/16" – 12		2700LN-12
1-5/16" – 12	3000	2700LN-16

Hydraulic Adapters – 37° JIC

Flare 90° Bulkhead Elbow with Lock Nuts

Specifications
- Reference SAE 070701
- Pressure rating at **70°F (21°C)**

Male JIC 37° Flare	PSI	Zinc Plated Steel Part #
7/16" – 20	**5000**	2701LN-4
9/16" – 18		2701LN-6
3/4" – 16	**4500**	2701LN-8
7/8" – 14	**3500**	2701LN-10
1-1/16" – 12		2701LN-12
1-5/16" – 12	**3000**	2701LN-16

Flare Bulkhead Lock Nuts

Specifications
- Reference SAE 070118
- Pressure rating at **70°F (21°C)**

Female JIC 37° Bulkhead	Tube O.D.	PSI	Zinc Plated Steel Part #
7/16" – 20	1/4"	**5000**	0306-4
9/16" – 18	3/8"		0306-6
3/4" – 16	1/2"	**4500**	0306-8
7/8" – 14	5/8"	**3500**	0306-10
1-1/16" – 12	3/4"		0306-12
1-5/16" – 12	1"	**3000**	0306-16

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Hydraulic Adapters – NPTF

Male Hex Pipe Nipples

Specifications
- Reference SAE 140137
- Pressure rating at **70°F (21°C)**

Male NPTF	Male NPTF	PSI	Zinc Plated Steel Part #
1/8" – 27	1/8" – 27	**5000**	5404-2
1/4" – 18	1/4" – 18		5404-4
3/8" – 18	3/8" – 18	**4000**	5404-6
	1/4" – 18		5404-6-4
1/2" – 14	1/2" – 14	**3000**	5404-8
	3/8" – 18		5404-8-6
3/4" – 14	3/4" – 14	**2500**	5404-12
	1/2" – 14		5404-12-8
1" – 11-1/2	1" – 11-1/2	**2000**	5404-16
	3/4" – 14		5404-16-12
1-1/4" – 11-1/2	1-1/4" – 11-1/2	**1150**	5404-20

Male x Female Hex Reducer Bushings

Specifications
- Reference SAE 140140
- Pressure rating at **70°F (21°C)**

Male NPTF	Female NPTF	PSI	Zinc Plated Steel Part #
1/4" – 18	1/8" – 27	**5000**	5406-4-2
3/8" – 18	1/8" – 27	**4000**	5406-6-2
	1/4" – 18		5406-6-4
1/2" – 14	1/8" – 27	**3000**	5406-8-2
	1/4" – 18		5406-8-4
	3/8" – 18		5406-8-6
3/4" – 14	1/8" – 27	**2500**	5406-12-2
	1/4" – 18		5406-12-4
	3/8" – 18		5406-12-6
	1/2" – 14		5406-12-8
1" – 11-1/2	1/4" – 18	**2000**	5406-16-4
	3/8" – 18		5406-16-6
	1/2" – 14		5406-16-8
	3/4" – 14		5406-16-12
1-1/4" – 11-1/2	3/8" – 18	**1150**	5406-20-6
	1/2" – 14		5406-20-8
	3/4" – 14		5406-20-12
	1" – 11-1/2		5406-20-16
1-1/2" – 11-1/2	1/2" – 14	**1000**	5406-24-8
	3/4" – 14		5406-24-12
	1" – 11-1/2		5406-24-16
	1-1/4" – 11-1/2		5406-24-20
2" – 11-1/2	1/2" – 14		5406-32-8
	3/4" – 14		5406-32-12
	1" – 11-1/2		5406-32-16
	1-1/4" – 11-1/2		5406-32-20
	1-1/2" – 11-1/2		5406-32-24

90° Male x Male Elbows

Specifications
- Reference SAE 140237
- Pressure rating at **70°F (21°C)**

Male NPTF	Male NPTF	PSI	Zinc Plated Steel Part #
1/4" – 18	1/4" – 18	**5000**	5500-4
3/8" – 18	3/8" – 18	**4000**	5500-6
1/2" – 14	1/2" – 14	**3000**	5500-8
3/4" – 14	3/4" – 14	**2500**	5500-12
1" – 11-1/2	1" – 11-1/2	**2000**	5500-16

Hydraulic Adapters – NPTF

Features
- Compact design provides ease of assembly in confining areas
- Designed to prevent hose stress due to twisting during assembly
- Female NPSM swivel seals on a 30° seat
- Male NPTF must have a 30° chamfer to seal

Male x Female NPSM Swivel Adapters

Specifications
- Reference SAE 140130
- Pressure rating at **70°F (21°C)**

Male NPTF	Female NPSM Swivel	PSI	Zinc Plated Steel Part #
1/8" – 27	1/8" – 27	5000	1404-2-2
	1/4" – 18	4500	1404-2-4
1/4" – 18	1/4" – 18		1404-4-4
	3/8" – 18	4000	1404-4-6
3/8" – 18	1/4" – 18		1404-6-4
	3/8" – 18		1404-6-6
	1/2" – 14		1404-6-8
1/2" – 14	3/8" – 18	3000	1404-8-6
	1/2" – 14		1404-8-8
	3/4" – 14		1404-8-12
3/4" – 14	1/2" – 14	2500	1404-12-8
	3/4" – 14		1404-12-12
1" – 11-1/2	1" – 11-1/2	2000	1404-16-16
1-1/4" – 11-1/2	1-1/4" – 11-1/2	1150	1404-20-20
1-1/2" – 11-1/2	1-1/2" – 11-1/2	1000	1404-24-24
2" – 11-1/2	2" – 11-1/2		1404-32-32

Female Hex Pipe Couplings

Specifications
- Reference SAE 140138
- Pressure rating at **70°F (21°C)**

Female NPTF	Female NPTF	PSI	Zinc Plated Steel Part #
1/8" – 27	1/8" – 27	5000	5000-2
1/4" – 18	1/4" – 18		5000-4
3/8" – 18	1/4" – 18	4000	5000-6-4
	3/8" – 18		5000-6
1/2" – 14	3/8" – 18	3000	5000-8-6
	1/2" – 14		5000-8
3/4" – 14	3/4" – 14	2500	5000-12
1" – 11-1/2	3/4" – 14	2000	5000-16-12
	1" – 11-1/2		5000-16
1-1/4" – 11-1/2	1-1/4" – 11-1/2	1150	5000-20

Female x Female NPSM Swivel Nuts

Specifications
- Reference SAE 140131
- Pressure rating at **70°F (21°C)**

Female NPTF	Female NPSM Swivel	PSI	Zinc Plated Steel Part #
1/8" – 27	1/8" – 27	5000	1405-2-2
1/4" – 18	1/4" – 18	4500	1405-4-4
3/8" – 18	1/4" – 18	4000	1405-6-4
	3/8" – 18		1405-6-6
	1/2" – 14		1405-6-8
1/2" – 14	1/2" – 14	3000	1405-8-8
3/4" – 14	1/2" – 14	2500	1405-12-8
	3/4" – 14		1405-12-12
1" – 11-1/2	1" – 11-1/2	2000	1405-16-16
1-1/4" – 11-1/2	1-1/4" – 11-1/2	1150	1405-20-20
1-1/2" – 11-1/2	1-1/2" – 11-1/2	1000	1405-24-24
2" – 11-1/2	2" – 11-1/2		1405-32-32

Hydraulic Adapters – NPTF

90° Male x Female Street Elbows

Specifications
- Reference 140239
- Pressure rating at **70°F (21°C)**

Male NPTF	Female NPTF	PSI	Zinc Plated Steel Part #
1/4" – 18	1/4" – 18	**5000**	5502-4
3/8" – 18	3/8" – 18	**4000**	5502-6
1/2" – 14	1/2" – 14	**3000**	5502-8
3/4" – 14	3/4" – 14	**2500**	5502-12
1" – 11-1/2	1" – 11-1/2	**2000**	5502-16
1-1/4" – 11-1/2	1-1/4" – 11-1/2	**1150**	5502-20

90° Male x Female NPSM Swivel Nut Elbows

Specifications
- Reference SAE 140230
- Pressure rating at **70°F (21°C)**

Male NPTF	Female NPSM Swivel	PSI	Zinc Plated Steel Part #
1/8" – 27	1/8" – 27	**5000**	1501-2-2
1/4" – 18	1/4" – 18	**4500**	1501-4-4
	3/8" – 18	**4000**	1501-4-6
3/8" – 18	1/4" – 18		1501-6-4
	3/8" – 18		1501-6-6
	1/2" – 14		1501-6-8
1/2" – 14	3/8" – 18	**3000**	1501-8-6
	1/2" – 14		1501-8-8
	3/4" – 14		1501-8-12
3/4" – 14	1/2" – 14	**2500**	1501-12-8
	3/4" – 14		1501-12-12
	1" – 11-1/2	**2000**	1501-12-16
1" – 11-1/2	3/4" – 14		1501-16-12
	1" – 11-1/2		1501-16-16
	1-1/4" – 11-1/2	**1150**	1501-16-20
1-1/4" – 11-1/2	1-1/4" – 11-1/2		1501-20-20

90° Female Pipe Elbows

Specifications
- Reference SAE 140237
- Pressure rating at **70°F (21°C)**

Female NPTF	Female NPTF	PSI	Zinc Plated Steel Part #
1/8" – 27	1/8" – 27	**5000**	5504-2
1/4" – 18	1/4" – 18		5504-4
3/8" – 18	3/8" – 18	**4000**	5504-6
1/2" – 14	1/2" – 14	**3000**	5504-8
3/4" – 14	3/4" – 14	**2500**	5504-12
1" – 11-1/2	1" – 11-1/2	**2000**	5504-16

90° Female x Female NPSM Swivel Nut Elbows

Specifications
- Reference SAE 140251
- Pressure rating at **70°F (21°C)**

Female NPTF	Female NPSM Swivel	PSI	Zinc Plated Steel Part #
1/4" – 18	1/4" – 18	**4500**	1502-4-4
3/8" – 18	3/8" – 18	**4000**	1502-6-6
1/2" – 14	1/2" – 14	**3000**	1502-8-8
3/4" – 14	3/4" – 14	**2500**	1502-12-12
1" – 11-1/2	1" – 11-1/2	**2000**	1502-16-16

45° Male x Female NPSM Swivel Nut Elbows

Specifications
- Reference SAE 140330
- Pressure rating at **70°F (21°C)**

Male NPTF	Female NPSM Swivel	PSI	Zinc Plated Steel Part #
1/4" – 18	1/4" – 18	**4500**	1503-4-4
3/8" – 18	3/8" – 18	**4000**	1503-6-6
1/2" – 14	1/2" – 14	**3000**	1503-8-8
3/4" – 14	3/4" – 14	**2500**	1503-12-12
1" – 11-1/2	1" – 11-1/2	**2000**	1503-16-16

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Hydraulic Adapters – NPTF

Male Pipe Tees

Specifications
- Reference SAE 140437
- Pressure rating at **70°F (21°C)**

Male NPTF (3)	PSI	Zinc Plated Steel Part #
1/4" – 18	**5000**	5600-4
3/8" – 18	**4000**	5600-6
1/2" – 14	**3000**	5600-8
3/4" – 14	**2500**	5600-12
1" – 11-1/2	**2000**	5600-16

Male x Female Pipe Tees

Specifications
- Reference SAE 140427
- Pressure rating at **70°F (21°C)**

Male NPTF (2)	Female NPTF	PSI	Zinc Plated Steel Part #
1/4" – 18	1/4" – 18	**5000**	5601-4
3/8" – 18	3/8" – 18	**4000**	5601-6
1/2" – 14	1/2" – 14	**3000**	5601-8
3/4" – 14	3/4" – 14	**2500**	5601-12
1" – 11-1/2	1" – 11-1/2	**2000**	5601-16

Female x Male Branch Tees

Specifications
- Reference SAE 140425
- Pressure rating at **70°F (21°C)**

Female NPTF (2)	Male NPTF	PSI	Zinc Plated Steel Part #
1/4" – 18	1/4" – 18	**5000**	5604-4
3/8" – 18	3/8" – 18	**4000**	5604-6
1/2" – 14	1/2" – 14	**3000**	5604-8
3/4" – 14	3/4" – 14	**2500**	5604-12
1" – 11-1/2	1" – 11-1/2	**2000**	5604-16

Female Pipe Tees

Specifications
- Reference 140438
- Pressure rating at **70°F (21°C)**

Female NPTF (3)	PSI	Zinc Plated Steel Part #
1/4" – 18	**5000**	5605-4
3/8" – 18	**4000**	5605-6
1/2" – 14	**3000**	5605-8
3/4" – 14	**2500**	5605-12
1" – 11-1/2	**2000**	5605-16

Male x Female Run Tees

Specifications
- Reference 140424
- Pressure rating at **70°F (21°C)**

Male NPTF	Female NPTF (2)	PSI	Zinc Plated Steel Part #
1/8" – 27	1/8" – 27	**5000**	5602-2
1/4" – 18	1/4" – 18		5602-4
3/8" – 18	3/8" – 18	**4000**	5602-6
1/2" – 14	1/2" – 14	**3000**	5602-8
3/4" – 14	3/4" – 14	**2500**	5602-12
1" – 11-1/2	1" – 11-1/2	**2000**	5602-16
1-1/4" – 11-1/2	1-1/4" – 11-1/2	**1150**	5602-20
1-1/2" – 11-1/2	1-1/2" – 11-1/2	**1000**	5602-24

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Hydraulic Adapters – NPTF

Female Hex Caps

Specification
- Pressure rating at **70°F (21°C)**

Female NPTF	PSI	Zinc Plated Steel Part #
1/8" – 27	**5000**	5406C-2
1/4" – 18		5406C-4
3/8" – 18	**4000**	5406C-6
1/2" – 14	**3000**	5406C-8
3/4" – 14	**2500**	5406C-12
1" – 11-1/2	**2000**	5406C-16
1-1/4" – 11-1/2	**1150**	5406C-20
1-1/2" – 11-1/2	**1000**	5406C-24

Male Hex Plugs

Specifications
- Reference SAE 130109C
- Pressure rating at **70°F (21°C)**

Male NPTF	PSI	Zinc Plated Steel Part #
1/8" – 27	**5000**	1251-02H
1/4" – 18		1251-04H
3/8" – 18	**4000**	1251-06H
1/2" – 14	**3000**	1251-08H
3/4" – 14	**2500**	1251-12H
1" – 11-1/2	**2000**	1251-16H
1-1/4" – 11-1/2	**1150**	1251-20H

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Male JIC 37° Flare x Male Metric Parallel Thread

Specification
- Pressure rating at **70°F (21°C)**

Male JIC 37° Flare	Male Metric Parallel	Zinc Plated Steel Part #
7/16" – 20	M10X1.0	M7400-4-10
	M12X1.5	M7400-4-12
9/16" – 18	M14X1.5	M7400-6-14
	M16X1.5	M7400-6-16
3/4" – 16	M16X1.5	M7400-8-16
	M18X1.5	M7400-8-18
1-1/16" – 12	M22X1.5	M7400-12-22
	M27X2.0	M7400-12-27
1-5/16" – 12	M33X2.0	M7400-16-33

Female Pipe x Male Metric Parallel Thread

Specification
- Pressure rating at **70°F (21°C)**

Female NPTF	Male Metric Parallel	Zinc Plated Steel Part #
1/4" – 18	M12X1.5	M7455-4-12
	M14X1.5	M7455-4-14
3/8" – 18	M16X1.5	M7455-6-16
	M18X1.5	M7455-6-18
1/2" – 14	M16X1.5	M7455-8-16
	M18X1.5	M7455-8-18
	M22X1.5	M7455-8-22
3/4" – 14	M27X2.0	M7455-12-27
1" – 11-1/2	M33X2.0	M7455-16-33

Hydraulic Adapters – British Standard Pipe Parallel (BSPP)

Male JIC 37° Flare x Male

Specification
- Pressure rating at **70°F (21°C)**

Male JIC 37° Flare	Male BSPP	PSI	Zinc Plated Steel Part #
7/16" – 20	1/4" – 19	**5000**	B3800-4-4
9/16" – 18	3/8" – 19	**4000**	B3800-6-6
3/4" – 16	1/2" – 14	**3000**	B3800-8-8
1-1/16" – 12	3/4" – 14	**2500**	B3800-12-12
1-5/16" – 12	1" – 11	**2000**	B3800-16-16

Male NPTF x Male

Specification
- Pressure rating at **70°F (21°C)**

Male NPTF	Male BSPP	PSI	Zinc Plated Steel Part #
1/4" – 18	1/4" – 19	**5000**	B3401-4-4
3/8" – 18	3/8" – 19	**4000**	B3401-6-6
1/2" – 14	1/2" – 14	**3000**	B3401-8-8
3/4" – 14	3/4" – 14	**2500**	B3401-12-12
1" – 11-1/2	1" – 11	**2000**	B3401-16-16

Female NPTF x Male

Specification
- Pressure rating at **70°F (21°C)**

Female NPTF	Male BSPP	PSI	Zinc Plated Steel Part #
1/4" – 18	1/4" – 19	**5000**	B3455-4-4
3/8" – 18	3/8" – 19	**4000**	B3455-6-6
1/2" – 14	1/2" – 14	**3000**	B3455-8-8
3/4" – 14	3/4" – 14	**2500**	B3455-12-12
1" – 11-1/2	1" – 11	**2000**	B3455-16-16

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Male JIC 37° Flare x Male 90° Elbow

Specification
- Pressure rating at **70°F (21°C)**

Male JIC 37° Flare	Male BSPP	PSI	Zinc Plated Steel Part #
7/16" – 20	1/4" – 19	**5000**	B3801-4-4
9/16" – 18	3/8" – 19	**4000**	B3801-6-6
3/4" – 16	1/2" – 14	**3000**	B3801-8-8
1-1/16" – 12	3/4" – 14	**2500**	B3801-12-12
1-5/16" – 12	1" – 11	**2000**	B3801-16-16

Bonded Dowty Seal for British Thread

Specification
- Pressure rating at **70°F (21°C)**

Size	Plated Carbon Steel with Nitrile Rubber O-ring Part #
1/4" – 19	BDS04
3/8" – 19	BDS06
1/2" – 14	BDS08
3/4" – 14	BDS12
1" – 11	BDS16

Hydraulic Adapters – Flareless Bite Fittings

Applications
- Chemical, pulp and paper, oil and gas refineries, military, air compressors, and machine tools
- Well-suited for a variety of processing and general hydraulic applications

Features
- Ideally suited for use with tubing having medium to extra heavy wall thicknesses
- 3-piece design with only one ferrule eliminates possible make-up errors that may occur using a twin ferrule tube fitting
- Minimal risk of improper assembly as the ferrule visibly bites into the tubing, allowing installer to visually inspect the bite quality
- Fittings are suitable for sub-zero through elevated temperature applications

Specifications
- Temperature rating is limited by the material chosen
- Pressure ratings are determined by the size (O.D.) and wall thickness (inches/mm) of the tubing on which they are to be installed

Approval
- Exceeds Military (MIL F18866) and SAE J514 standards

Assembly Instructions
- Cut, deburr and clean tubing
- Preset ferrule onto tubing
- Inspect ferrule bite in tubing by disassembling the fitting and visually inspecting the deburred end of tube for slight indentation
- Finger tighten nut and then further wrench tighten nut another 1/3 to 1/2 turn

Male Tube x Male NPTF Adapters

Tube O.D.	Male NPTF	Steel Part #
1/8"	1/8"	FLC2404-02
	1/4"	FLC2404-02-04
3/16"	1/8"	FLC2404-03-02
1/4"	1/8"	FLC2404-04-02
	1/4"	FLC2404-04
	3/8"	FLC2404-04-06
	1/2"	FLC2404-04-08
5/16"	1/8"	FLC2404-05-02
	1/4"	FLC2404-05-04
3/8"	1/8"	FLC2404-06-02
	1/4"	FLC2404-06-04
	3/8"	FLC2404-06
	1/2"	FLC2404-06-08
1/2"	1/4"	FLC2404-08-04
	3/8"	FLC2404-08-06
	1/2"	FLC2404-08
	3/4"	FLC2404-08-12
5/8"	3/8"	FLC2404-10-06
	1/2"	FLC2404-10-08
	3/4"	FLC2404-10-12
3/4"	1/2"	FLC2404-12-08
	3/4"	FLC2404-12
	1"	FLC2404-12-16
1"	3/4"	FLC2404-16-12
	1"	FLC2404-16
	1-1/4"	FLC2404-16-20
1-1/4"	3/4"	FLC2404-20-12
	1-1/4"	FLC2404-20
1-1/2"	1-1/2"	FLC2404-24

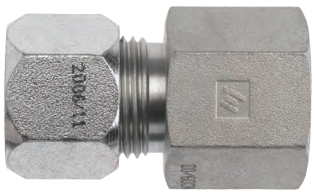
Male Tube x Male 37° JIC

Tube O.D.	Male 37° JIC	Steel Part #
1/4"	1/4"	FLC2402-04-04
3/8"	3/8"	FLC2402-06-06
1/2"	1/2"	FLC2402-08-08
3/4"	3/4"	FLC2402-12-12

Hydraulic Adapters – Flareless Bite Fittings

Male Tube x Female NPTF Adapters

Tube O.D.	Female NPTF	Steel Part #
1/8"	1/8"	FLC2405-02
1/4"	1/8"	FLC2405-04-02
	1/4"	FLC2405-04
5/16"	1/8"	FLC2405-05-02
3/8"	1/4"	FLC2405-06-04
	3/8"	FLC2405-06
1/2"	1/4"	FLC2405-08-04
	3/8"	FLC2405-08-06
	1/2"	FLC2405-08
5/8"	1/2"	FLC2405-10-08
3/4"	3/4"	FLC2405-12
1"	1"	FLC2405-16
1-1/4"	1-1/4"	FLC2405-20



Tube Unions

Tube O.D.	Steel Part #
1/8"	FLC2403-02
3/16"	FLC2403-03
1/4"	FLC2403-04
5/16"	FLC2403-05
3/8"	FLC2403-06
1/2"	FLC2403-08
5/8"	FLC2403-10
3/4"	FLC2403-12
1"	FLC2403-16
1-1/4"	FLC2403-20
1-1/2"	FLC2403-24

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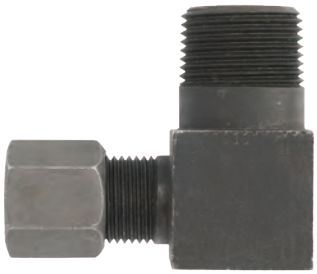
Male Tube x Male NPTF Adapter 90° Elbows

Tube O.D.	Male NPTF	Steel Part #
1/8"	1/8"	FLC2501-02
3/16"	1/8"	FLC2501-03-02
1/4"	1/8"	FLC2501-04-02
	1/4"	FLC2501-04
	3/8"	FLC2501-04-06
5/16"	1/8"	FLC2501-05-02
	1/4"	FLC2501-05-04
3/8"	1/8"	FLC2501-06-02
	1/4"	FLC2501-06-04
	3/8"	FLC2501-06
	1/2"	FLC2501-06-08
1/2"	1/4"	FLC2501-08-04
	3/8"	FLC2501-08-06
	1/2"	FLC2501-08
	3/4"	FLC2501-08-12
5/8"	3/8"	FLC2501-10-06
	1/2"	FLC2501-10-08
3/4"	1/2"	FLC2501-12-08
	3/4"	FLC2501-12
1"	3/4"	FLC2501-16-12
	1"	FLC2501-16
1-1/4"	1-1/4"	FLC2501-20
1-1/2"	1-1/2"	FLC2501-24

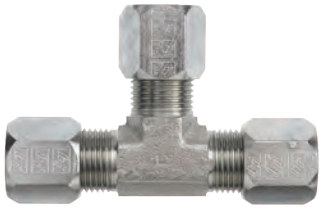


Hydraulic Adapters – Flareless Bite Fittings

Male Union 90° Elbows

Tube O.D.	Steel Part #
1/4"	FLC2500-04
5/16"	FLC2500-05
3/8"	FLC2500-06
1/2"	FLC2500-08
5/8"	FLC2500-10
3/4"	FLC2500-12
1"	FLC2500-16
1-1/4"	FLC2500-20

Male Tube Union Tees



Tube O.D.	Steel Part #
1/8"	FLC2603-02
3/16"	FLC2603-03
1/4"	FLC2603-04
5/16"	FLC2603-05
3/8"	FLC2603-06
1/2"	FLC2603-08
5/8"	FLC2603-10
3/4"	FLC2603-12
1"	FLC2603-16
1-1/4"	FLC2603-20

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Ferrules

Tube O.D.	Steel Part #
1/8"	FLC0319-02
3/16"	FLC0319-03
1/4"	FLC0319-04
5/16"	FLC0319-05
3/8"	FLC0319-06
1/2"	FLC0319-08
5/8"	FLC0319-10
3/4"	FLC0319-12
1"	FLC0319-16
1-1/4"	FLC0319-20
1-1/2"	FLC0319-24

Nuts

Tube O.D.	Steel Part #
1/8"	FLC0318-02
3/16"	FLC0318-03
1/4"	FLC0318-04
5/16"	FLC0318-05
3/8"	FLC0318-06
1/2"	FLC0318-08
5/8"	FLC0318-10
3/4"	FLC0318-12
1"	FLC0318-16
1-1/4"	FLC0318-20
1-1/2"	FLC0318-24

Flow Control Valves

Steel Series-F

Features
- Two-step needle provides fine adjustments at low flow with the first three turns of the adjusting knob, the next three turns give full-open needle position and conventional throttling control. When flow is reversed, a heavy-duty poppet/retainer permits full-flow return capacity.
- Color-coded reference scale simplifies flow setting, resetting, adjusting, and return to original flow; a simple set screw locks the valve on any desired setting

Material
- Seal: Nitrile

Specifications
- Maximum operating pressure:
  5000 PSI at **70°F (21°C)** for 1/8" - 1/2"
  3000 PSI at **70°F (21°C)** for 3/4" - 2"
- Cracking pressure: **5 PSI**

Female NPTF	Black Oxide Steel Part #
1/8"	SFC200
1/4"	SFC400
3/8"	SFC600
1/2"	SFC800
3/4"	SFC1200
1"	SFC1600
1-1/2"	SFC2400
2"	SFC3200

Steel Series-N

Features
- Excellent speed control on hydraulic systems where a reverse flow check valve is not needed
- Reliable shutoff in a very small envelope; color-coded reference scale simplifies setting, resetting, adjusting, and quick return to a previous speed setting

Material
- Seal: Nitrile

Specifications
- Maximum operating pressure:
  5000 PSI at **70°F (21°C)** for 1/8" - 3/4"
  3000 PSI at **70°F (21°C)** for 1" - 1-1/4"
- Cracking pressure: **5 PSI**

Female NPTF	Steel Part #
1/8"	SN200
1/4"	SN400
3/8"	SN600
1/2"	SN800
3/4"	SN1200
1"	SN1600
1-1/4"	SN2000

Series-MV Metering

Features
- Easily make fine adjustments and resets with color code feature that shows when desired setting is reached
- Body components are precision-turned from solid barstock

Materials
- Needle: 416 stainless steel
- Seal: Nitrile

Specification
- Maximum operating pressure: **5000 PSI** at **70°F (21°C)**

Female NPTF	Steel Part #
1/4"	SMV400
3/8"	SMV600
1/2"	SMV800

Series-C Check Valves

Feature
- Provides free flow in one direction and dependable shutoff in the opposite direction

Specifications
- Maximum operating pressure: brass **2000 PSI** at **70°F (21°C);** steel **5000 PSI** at **70°F (21C)**
- Cracking pressure: **5 PSI**

Material
- Seal: Nitrile

Female NPT	Free Flow GPM	Maximum Operating PSI at 70°F (21°C)	Maximum Operating PSI at 70°F (21°C)	Steel Part #
1/8"	**3**	**2000**	**5000**	SCV200
1/4"	**5**			SCV400
3/8"	**8**			SCV600
1/2"	**15**			SCV800

High Pressure Full-Bore 3-Way Ball Valves

Features
- Rugged construction
- L flow pattern

Materials
- Clear zinc carbon steel
- Nitrile rubber O-ring
- Nickel plated ball

Specification
- Temperature range: **-20°F** to **215° F (-29°C** to **102°C)**

Female NPT	PSI	Carbon Steel Part #
1/2"	**5145**	HPBV12-3WAYZPL
3/4"		HPBV34-3WAYZPL
1"		HPBV10-3WAYZPL

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High Pressure Clear Zinc Ball Valves

Features
- Temperature range **-20°F** to **215°F (-29°C** to **102°C)**
- Full port sizes 1/4" to 1"; reduced port sizes 1-1/4" to 1-1/2"

Materials
- O-rings: nitrile rubber
- Ball seats: POM (polyacetal)
- Ball: nickel plated

Approval
- RoHS compliant

Female NPT	PSI	Carbon Steel		PSI
		Part #	SAE Part #	
1/4"	**7350**	HPBV25ZPL	HPBV25SAEZPL	**7350**
3/8"		HPBV38ZPL	HPBV38SAEZPL	
1/2"		HPBV12ZPL	HPBV12SAEZPL	
3/4"	**6000**	HPBV34ZPL	HPBV34SAEZPL	**6000**
1"		HPBV10ZPL	HPBV10SAEZPL	
1-1/4"		HPBV125ZPL	HPBV125SAEZPL	
1-1/2"		HPBV150ZPL	HPBV150SAEZPL	
2"		HPBV200ZPL	HPBV200SAEZPL	

High Pressure Full-Bore Ball Valves

Features
- Blow-out proof stem
- Rugged construction
- Full port, sizes 1/4 to 1"

Specification
- Temperature range: **-20°F** to **215°F (-29°C** to **101.6°C)**

Materials
- FKM/FPM seals
- POM (polyacetal) ball seats
- 316 stainless steel

Female NPT	PSI	316 Stainless Steel Part #
1/4"	**5880**	HPBV25SS
3/8"		HPBV38SS
1/2"		HPBV12SS
3/4"	**5145**	HPBV34SS
1"		HPBV10SS

Mini Needle Valves

Features
- Available in a variety of materials and handle options
- FKM O-ring seal and PTFE back-up ring below the threads protect from corrosion and galling
- Stem threads are rolled for strength and ease of operation

Material
- Stems: 316 stainless steel

Specifications
- Metal-to-metal hard seat design is 100% helium leak tested to 1 x 10-4 ml/s at **200 PSI**
- 1/8" and 1/4" are orifice size: 0.172", flow coefficient: 0.42
- 1/2": orifice size are 0.187", flow coefficient: 0.44, hex body

Male to Female

NPT Size	Handle Style	PSI at 200°F	Brass Part #	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/8" – 27	knurled knob	**6,000**	MFB101	T design	**10,000**	MFC101	MFS101
1/4" – 18			MFB102			MFC102	MFS102
1/2" – 14	---	---	---			MFC404	MFS404

Female to Female

NPT Size	Handle Style	PSI at 200°F	Brass Part #	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/8" – 27	knurled knob	**6,000**	FFB101	T design	**10,000**	FFC101	FFS101
1/4" – 18			FFB102			FFC102	FFS102
1/2" – 14	---	---	---			FFC404	FFS404

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Multiport Needle Valves

Features
- Reduces the number of gauge and other instrument connections to permanent piping installations, decreasing possible leak paths
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- Stem threads are rolled for strength and ease of operation

Material
- Stems: 316 stainless steel

Specifications
- Metal-to-metal hard seat design is 100% helium leak tested to 1 x 10-4 ml/s at **200 PSI**
- 1/2" female NPT port
- Orifice size is 0.187", flow coefficient: 0.44

Hard Seat Male to Female

NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/2" – 14	T design	**10,000**	MFC204	MFS204
3/4" – 14			MFC20604	MFS20604

Soft Seat Male to Female

NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/2" – 14	T design	**6,000**	MFC304	MFS304
3/4" – 14			MFC30604	MFS30604

Block and Bleed Needle Valves

Features
- Allows pressure to be bled off without disturbing the permanent piping installation, allowing quick and easy removal or replacement of instruments
- FKM O-ring seal and PTFE back-up ring below the threads protect from corrosion and galling
- Stem threads are rolled for strength and ease of operation

Material
- Stems: 316 stainless steel

Specifications
- Metal-to-metal hard seat design is 100% helium leak tested to 1 x 10-4 ml/s at **200 PSI**
- Orifice size is 0.187", flow coefficient: 0.44
- 0.090" bleed hole located on bottom is controlled by a 1/4"-20 UNF-2A bleed screw

Hard Seat Male to Female

NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/4" – 18	T design	**10,000**	MFC602	MFS602
1/2" – 14			MFC604	MFS604

Soft Seat Male to Female

NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/4" – 18	T design	**6,000**	MFC702	MFS702
1/2" – 14			MFC704	MFS704

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Bleed Needle Valves

Features
- Convenient way to relieve process pressures trapped between a shut-off valve and the instrument
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- Stem threads are rolled for strength and ease of operation

Material
- Stems: 316 stainless steel

Specifications
- Metal-to-metal hard seat design is 100% helium leak tested to 1 x 10-4 ml/s at **200 PSI**
- Non-rotating soft tip stem and a backup metal-to-metal seal
- 0.159" bleed port

316 stainless

Hard Seat Male

NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/4" – 18	T design	**10,000**	MC802	MS802
1/2" – 14			MC804	MS804

316 stainless

Soft Tip Male

NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/4" – 18	T design	**6,000**	MC852	MS852
1/2" – 14			MC854	MS854

Hydraulic 4-Bolt Flanges

Features

- Flat face flange must be used with O-ring flange
- Code 61 – standard pressure; code 62 – high pressure
- Makes installation of components easier, especially in applications with limited space
- Bolt kit with nitrile rubber O-ring included with O-ring flange
- No bolt kit is included with flat face flange
- Also available in 316L stainless; contact Dixon® for more information

Hydraulic 4-Bolt Flange NPTF Port

Port Size	Pad Size	NPTF Thread	Code 61 Carbon Steel	
			O-ring Part #	Flat Face Part #
1/2"	1/2"	1/2" – 14	C6143K0808NPT	C611040808NPT
3/4"	3/4"	3/4" – 14	C6143K1212NPT	C611041212NPT
1"	1"	1" – 11-1/2	C6143K1616NPT	C611041616NPT
1-1/4"	1-1/4"	1-1/4" – 11-1/2	C6143K2020NPT	C611042020NPT
1-1/2"	1-1/2"	1-1/2" – 11-1/2	C6143K2424NPT	C611042424NPT
2"	2"	2" – 11-1/2	C6143K3232NPT	C611043232NPT
2-1/2"	2-1/2"	2-1/2" – 8	C6143K4040NPT	C611044040NPT
3"	3"	3" – 8	C6143K4848NPT	C611044848NPT

Port Size	Pad Size	NPTF Thread	Code 62 Carbon Steel	
			O-ring Part #	Flat Face Part #
1/2"	1/2"	1/2" – 14	C6244K0808NPT	C62450808NPT
3/4"	3/4"	3/4" – 14	C6244K1212NPT	C62451212NPT
1"	1"	1" – 11-1/2	C6244K1616NPT	C62451616NPT
1-1/4"	1-1/4"	1-1/4" – 11-1/2	C6244K2020NPT	C62452020NPT
1-1/2"	1-1/2"	1-1/2" – 11-1/2	C6244K2424NPT	C62452424NPT
2"	2"	2" – 11-1/2	C6244K3232NPT	C62453232NPT

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Hydraulic 4-Bolt Flange SAE Port

Port Size	Pad Size	UN/UNF-2B Thread	Code 61 Carbon Steel	
			O-ring Part #	Flat Face Part #
1/2"	1/2"	3/4" – 16	C6146K0808SAE	C611060808SAE
3/4"	3/4"	1-1/16" – 12	C6146K1212SAE	C611061212SAE
1"	1"	1-5/16" – 12	C6146K1616SAE	C611061616SAE
1-1/4"	1-1/4"	1-5/16" – 12	C6146K2020SAE	C611062020SAE
1-1/2"	1-1/2"	1-7/8" – 12	C6146K2424SAE	C611062424SAE
2"	2"	2-1/2" – 12	C6146K3232SAE[1]	C611063232SAE

[1] **1,000 PSI** maximum

Port Size	Pad Size	UN/UNF-2B Thread	Code 62 Carbon Steel	
			O-ring Part #	Flat Face Part #
1/2"	1/2"	3/4" – 16	C6248K0808SAE	C62490808SAE
3/4"	3/4"	1-1/16" – 12	C6248K1212SAE	C62491212SAE
1"	1"	1-5/16" – 12	C6248K1616SAE	C62491616SAE
1-1/4"	1-1/4"	15/8" – 12	C6248K2020SAE	C62492020SAE
1-1/2"	1-1/2"	1-7/8" – 12	C6248K2424SAE	C62492424SAE
2"	2"	2-1/2" – 12	C6248K3232SAE	C62493232SAE

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

Hydraulic 4-Bolt Flanges

Hydraulic 4-Bolt Flange Pipe Socket Weld

Port Size	Pad Size	Code 61 Carbon Steel	
		O-ring Part #	Flat Face Part #
1/2"	1/2"	C614K0808PSW	C61610808PSW
3/4"	3/4"	C614K1212PSW	C61611212PSW
1"	1"	C614K1616PSW	C61611616PSW
1-1/4"	1-1/4"	C614K2020PSW	C61612020PSW
1-1/2"	1-1/2"	C614K2424PSW	C61612424PSW
2"	2"	C614K3232PSW	C61613232PSW
2-1/2"	2-1/2"	C614K4040PSW	C61614040PSW
3"	3"	C614K4848PSW	C61614848PSW

Port Size	Pad Size	Code 62 Carbon Steel	
		O-ring Part #	Flat Face Part #
1/2"	1/2"	C6259K0808PSW	C62600808PSW
3/4"	3/4"	C6259K1212PSW	C62601212PSW
1"	1"	C6259K1616PSW	C62601616PSW
1-1/4"	1-1/4"	C6259K2020PSW	C62602020PSW
1-1/2"	1-1/2"	C6259K2424PSW	C62602424PSW
2"	2"	C6259K3232PSW	C62603232PSW
2-1/2"	2-1/2"	C6259K4040PSW	C62604040PSW
3"	3"	C6259K4848PSW	C62604848PSW

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Pressure Ratings of SAE Flanges

Code 61 SAE J518-1 / ISO6162-1

Dash Size	Size	Maximum Working Pressure		Fastener Torque Value
		PSI	MPa	Grade 8 UNC (ft. lbs.)
-8	1/2"	**5000**	**35**	24
-12	3/4"			44
-16	1"	**4600**	**32**	
-20	1-1/4"	**4000**	**28**	68
-24	1-1/2"	**3000**	**21**	111
-32	2"			
-40	2-1/2"	**2500**	**17.5**	
-48	3"	**2300**	**16**	218
-56	3-1/2"	**500**	**3.5**	
-64	4"			
-80	5"			

NOTE: Connection type opposite 4-bolt flange connection can de-rate maximum working pressure.

Code 62 SAE J518-2 / ISO6162-2

Dash Size	Size	Maximum Working Pressure		Fastener Torque Value
		PSI	MPa	Grade 8 UNC (ft. lbs.)
-8	1/2"	**6000**	**40**	24
-12	3/4"			44
-16	1"			68
-20	1-1/4"			111
-24	1-1/2"			218
-32	2"			332
-40	2-1/2"			380
-48	3"			667

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

Code 61/Code 62 Split Flange Kits

Features

- For tube, hose end, and split flange adapter connections
- Kits include (2) split flange halves, (4) hex head screws and lock washers, (1) nitrile rubber O-ring
- Silver trivalent finish for high corrosion resistance
- Also available in forged 316L stainless steel; contact Dixon® for more information

Flange Size	Code 61 Forged Carbon Steel Part #	Code 62 Forged Carbon Steel Part #
1/2"	C6108-SFKIT	C6208-SFKIT
3/4"	C6112-SFKIT	C6212-SFKIT
1"	C6116-SFKIT	C6216-SFKIT
1-1/4"	C6120-SFKIT	C6220-SFKIT
1-1/2"	C6124-SFKIT	C6224-SFKIT
2"	C6132-SFKIT	C6232-SFKIT
2-1/2"	C6140-SFKIT	---
3"	C6148-SFKIT	---

Code 61/Code 62 Flange Adapters

Straight Flange x Male JIC Hydraulic Adapter

JIC Thread	Tube O.D.	Flange Size	Code 61 Carbon Steel Part #	Code 62 Carbon Steel Part #
3/4" – 16	1/2"	1/2"	C6100F0808	---
		3/4"	C6100F0812	---
1-1/16" – 12	3/4"	3/4"	C6100F1212	C6200F1212
		1"	C6100F1216	C6200F1216
1-5/16" – 12	1"	3/4"	C6100F1612	C6200F1612
		1"	C6100F1616	C6200F1616
		1-1/4"	C6100F1620	C6200F1620
1-5/8" – 12	1-1/4"	1"	C6100F2016	C6200F2016
		1-1/4"	C6100F2020	C6200F2020
		1-1/2"	C6100F2024	C6200F2024
1-7/8" – 12	1-1/2"	1-1/4"	C6100F2420	C6200F2420
		1-1/2"	C6100F2424	C6200F2424
		2"	C6100F2432	C6200F2432
2-1/2" – 12	2"	1-1/2"	C6100F3224	C6200F3224
		2"	C6100F3232	C6200F3232

90° Flange Elbow x Male JIC Hydraulic Adapter

JIC Thread	Tube O.D.	Flange Size	Code 61 Carbon Steel Part #	Code 62 Carbon Steel Part #
3/4" – 16	1/2"	3/4"	C6190F0812	---
1-1/16" – 12	3/4"	3/4"	C6190F1212	C6290F1212
		1"	C6190F1216	C6290F1216
1-5/16" – 12	1"	3/4"	C6190F1612	C6290F1612
		1"	C6190F1616	C6290F1616
		1-1/4"	C6190F1620	C6290F1620
1-5/8" – 12	1-1/4"	1"	C6190F2016	C6290F2016
		1-1/4"	C6190F2020	C6290F2020
		1-1/2"	C6190F2024	C6290F2024
1-7/8" – 12	1-1/2"	1-1/2"	C6190F2424	C6290F2424
		2"	C6190F2432	C6290F2432
2-1/2" – 12	2"	1-1/2"	C6190F3224	C6290F3224
		2"	C6190F3232	C6290F3232

45° Flange Elbow x Male JIC Hydraulic Adapter

JIC Thread	Tube O.D.	Flange Size	Code 61 Carbon Steel Part #	Code 62 Carbon Steel Part #
1-1/16" – 12	3/4"	3/4"	C6145F1212	C6245F1212
1-5/16" – 12	1"	1"	C6145F1616	C6245F1616
1-5/8" – 12	1-1/4"	1-1/4"	C6145F2020	C6245F2020
1-7/8" – 12	1-1/2"	1-1/2"	C6145F2424	C6245F2424
2-1/2" – 12	2"	2"	C6145F3232	C6245F3232

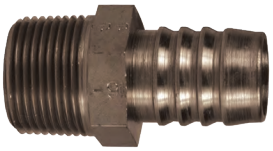
Hydraulic Suction and Return Line Hose Couplings

Application

- Designed for hydraulic suction line applications using SAE100R4 hydraulic hose

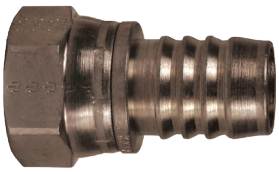
Feature

- Barbs provide easy assembly and maximum gripping action



Female SAE Stem

Hose I.D.	Male NPTF	Plated Steel Part #
3/4"	3/4" – 14	188-12
1"	1" – 11-1/2	188-16
1-1/4"	1-1/4" – 11-1/2	188-20
1-1/2"	1-1/2" – 11-1/2	188-24
2"	2" – 11-1/2	188-32



Female SAE 37° Swivel Stem

Hose I.D.	Male NPTF	Plated Steel Part #
3/4"	1-1/16" – 12	688-12
1"	1-5/16" – 12	688-16
1-1/4"	1-5/8" – 12	688-20
1-1/2"	1-7/8" – 12	688-24
2"	2-1/2" – 12	688-32

NOTE: Return line clamps must be used with these fittings.

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Double Bolt Clamps

Features

- Inner surface has dual gripping ridges
- Bolt lugs are reinforced to prevent bending out of alignment
- Torque values for clamps are based on dry bolts
- The use of lubricant on bolts will adversely effect clamp performance
- Measure hose O.D. accurately before ordering clamps
- Consult Dixon® when using double bolt clamps on helical wire hose

Hose O.D. from	Hose O.D. to	Plated Iron Part #	Torque in ft. lbs.	Optional Qty
1-8/64"	1-12/64"	J48	15	100
1-40/64"	1-52/64"	DL14	40	25
1-48/64"	2-3/64"	DL20	27	25
2-7/64"	2-19/64"	DL24[1]	27	25
2-20/64"	2-40/64"	DL32[1]	40	25

[1] Investment cast carbon steel

Hydraulic Hose Stems

Features
- Stems have a collar behind the hex to engage clamp fingers
- Reference clamps on page 169

Hose I.D.	NPTF Size	Plated Steel Part #
1/2"	1/2"	HY4
1"	1"	HY8

Hose I.D.	NPTF Size	Plated Iron Part #
1-1/4"	1-1/4"	HY10
1-1/2"	1-1/2"	HY12
2"	2"	HY16

Hydraulic Hose Clamps For 1-Wire Hose

Application
- For use only on 1-wire hydraulic hoses

Hose I.D.	Hose O.D.		Plated Iron Part #	Torque in ft. lbs.
	from	to		
3/8"	48/64"	50/64"	HD1-3	12
1/2"	56/64"	60/64"	HD1-4	18
3/4"	1-10/64"	1-14/64"	HD1-6	18
1"	1-29/64"	1-35/64"	HD1-8	36

Hydraulic Hose Clamps For 1- or 2-Wire Hose

Application
- For use only on 1 or 2-wire hydraulic hoses

Feature
- This clamp should not be used on 4- or 6-wire hydraulic hose even when hose falls within recommended ranges

Hose I.D.	Hose O.D.		Plated Iron Part #	Torque in ft. lbs.
	from	to		
3/8"	50/64"	52/64"	HRC-037	18
1/2"	57/64"	1"	HRC-050	18
3/4"	1-16/64"	1-20/64"	HRC-075	36
1"	1-37/64"	1-41/64"	HRC-100	64
1-1/4"	1-54/64"	1-62/64"	HRC-125	90
1-1/2"	2-10/64"	2-18/64"	HRC-150	90
2"	2-43/64"	2-52/64"	HRC-200	90

Inline Hydraulic Filters

Features
- Provides protection for small, high pressure systems
- Installs at the pressure side of a pump
- Conically shaped bronze element positioned by a retaining spring to allow true, uninterrupted flow
- Standard 25 micron bronze element can be easily cleaned or replaced

Specifications
- Temperature range: **35°F** to **200°F (2°C** to **93°C)**
- Maximum operating pressure: **3000 PSI**

Female SAE	Overall Length	Diameter	Plated Steel Part #
9/16" – 18	3-1/4"	1-1/2"	9152
3/4" – 16	3-1/4"	1-1/2"	9153

Pipe and Tube Clamps

Application
- Standard hydraulic applications, general pipe construction, electric cables, etc.

Features
- Clamps are welded in place to secure the pipe or tubing
- Polypropylene cushions reduce wear due to vibration
- Kit includes clamp with weld plate, cover plate, and bolts
- Interchangeable with Stauff®, ZSI®, and Behringer®

Specifications
- Standard and twin series clamps are recommended for systems with less than **1500 PSI** without dynamic loads
- Heavy duty clamps are recommended for systems with greater than **1500 PSI** operating pressure
- Temperature range: **-22°F** to **195°F (-30°C** to **91°C)**

Standard Series

Pipe Nom. Bore/Tube O.D.	Length	Width	Height	Steel and Polypropylene Part #
1/8" pipe	1.65"	1.18"	1.30"	HST02P
1/4" pipe	1.89"		1.54"	HST04P
1/4" tube	1.65"		1.30"	HST04T
5/16" tube	1.65"		1.30"	HST05T
3/8" pipe	1.89"		1.54"	HST06P
3/8" tube	1.65"		1.30"	HST06T
1/2" pipe	2.17"		1.61"	HST08P
1/2" tube	1.89"		1.54"	HST08T
5/8" tube	1.89"		1.54"	HST10T
3/4" pipe	2.44"		1.89"	HST12P
3/4" tube	2.17"		1.61"	HST12T
7/8" tube	2.17"		1.61"	HST14T
1" pipe	2.91"		2.52"	HST16P
1" tube	2.17"		1.61"	HST16T
1-1/4" pipe	2.91"		2.52"	HST20P
1-1/4" tube	2.91"		2.52"	HST20T
1-1/2" pipe	3.46"		2.83"	HST24P
1-1/2" tube	2.91"		2.52"	HST24T
2" tube	3.46"		2.83"	HST32T

Twin Series

Pipe Nom. Bore/Tube O.D.	Length	Width	Height	Steel and Polypropylene Part #
1/8" pipe	1.46"	1.18"	1.36"	HTW02P
1/4" pipe	1.46"		1.36"	HTW04P
1/4" tube	1.46"		1.36"	HTW04T
5/16" tube	1.46"		1.36"	HTW05T
3/8" pipe	2.17"		1.42"	HTW06P
3/8" tube	1.46"		1.36"	HTW06T
1/2" pipe	2.76"		1.85"	HTW08P
1/2" tube	2.17"		1.42"	HTW08T
5/8" tube	2.17"		1.42"	HTW10T
3/4" pipe	3.35"		2.05"	HTW12P
3/4" tube	2.76"		1.85"	HTW12T
7/8" tube	2.76"		1.85"	HTW14T
1" pipe	4.33"		2.52"	HTW16P
1" tube	2.76"		1.85"	HTW16T
1-1/4" pipe	4.33"		2.52"	HTW20P
1-1/4" tube	4.33"		2.52"	HTW20T
1-1/2" tube	4.33"		2.52"	HTW24T

Pipe and Tube Clamps

Heavy Duty Series

Pipe Nom. Bore/Tube O.D.	Length	Width	Height	Steel & Polypropylene Part #
1/8" pipe	2.87"	1.18"	1.89"	HHD02P
1/4" pipe	2.87"	1.18"	1.89"	HHD04P
1/4" tube	2.87"	1.18"	1.89"	HHD04T
5/16" tube	2.87"	1.18"	1.89"	HHD05T
3/8" pipe	2.87"	1.18"	1.89"	HHD06P
3/8" tube	2.87"	1.18"	1.89"	HHD06T
1/2" pipe	3.35"	1.18"	2.52"	HHD08P
1/2" tube	2.87"	1.18"	1.89"	HHD08T
5/8" tube	2.87"	1.18"	1.89"	HHD10T
3/4" pipe	3.35"	1.18"	2.52"	HHD12P
3/4" tube	3.35"	1.18"	2.52"	HHD12T
7/8" tube	3.35"	1.18"	2.52"	HHD14T
1" pipe	3.94"	1.18"	2.99"	HHD16P
1" tube	3.35"	1.18"	2.52"	HHD16T
1-1/4" pipe	5.51"	1.77"	4.33"	HHD20P
1-1/4" tube	3.94"	1.18"	2.99"	HHD20T
1-1/2" pipe	5.51"	1.77"	4.33"	HHD24P
1-1/2" tube	3.94"	1.18"	2.99"	HHD24T
2" pipe	5.51"	1.77"	4.33"	HHD32P
2" tube	5.51"	1.77"	4.33"	HHD32T

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Holedall 587-608

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Holedall Coupling Machines

Rams are powerful, finely engineered machines designed specifically to externally swage and internally expand Holedall couplings by hydraulic pressure, securely attaching Holedall couplings to hose. Since each ram generates all the hydraulic pressure required to attach the Holedall coupling, one person can easily operate the equipment.

15 Ton Ram

Application
- For internally expanded couplings only

Features
- Can expand 1" through 3" steel fittings and 5/8" through 4" brass Holedall petroleum fittings
- Bench-mounted model (optional stand available)

Specifications
- Produces up to **10,000 PSI**, for up to 15 tons of ram force
- Motor: 1/2 h.p., 115 volt, 60 cycle, single phase with foot pedal

25 Ton Ram

Features
- Can externally swage 1/4" through 4" I.D. hose and internally expand 5/8" through 4" I.D. hose with proper equipment
- Freestanding model
- High-speed pump kit option is available

Specifications
- Produces up to **10,000 PSI** of line pressure for up to 25 tons of ram force
- Motor is 1/2 h.p., 115 volt 60 cycle, single phase with foot pedal

All rams require dies of the proper size to reduce the ferrule to the proper diameter for a good grip on the hose. Pushers of the proper size must be used on the end of the ram to push the Holedall fitting through the die. Die and pusher selection depends on the sizes and types of hoses being coupled. Ferrule recommendations are available upon request. Consult Dixon® for specific details.

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Recommended Working Pressures

⚠WARNING Holedall couplings, regardless of coupling style, are never to be used for steam service at any pressure. Holedall fittings listed below are not to be used with cable reinforced high-pressure hose, 4- or 6-braid wire hydraulic hose or any other service not listed in recommendations. In addition, internally expanded Holedall couplings are not to be used with plastic-lined chemical hose. Consult Dixon® for recommendations on usage.

Holedall couplings (externally swaged), to perform satisfactorily, must be applied properly in accordance with Dixon assembly procedures, using the correct die and ferrule for that particular hose end O.D.. The Dixon die and ferrule recommendation guide is to be used to select correct dies and ferrules. If you do not have the updated die and ferrule recommendation guide, consult Dixon. Strict adherence to ferrule O.D. range (internally expanded) for each hose end to be assembled is essential for satisfactory performance.

Note: Hose service working pressure (including surges and spikes) is never to exceed the maximum recommended working pressure for the fitting (reference chart below)[2]. Media being transported through the hose should be compatible with the stem material. Compatibility of ferrule material with the environment in which it will be used is recommended. Consult the Compatibility Chart on dixonvalve.com or contact Dixon for material compatibility. For applications other than the ones listed, please consult Dixon.

	Externally Swaged						Internally Expanded	
Size	Standard Fittings[1]	Long Style Fittings[1]	Light Duty Fittings		Cam and Groove[1]	Holedall DIN Crimp Stems[1]	Internally Expanded[1]	Crimp Sanitary Fittings[1]
			NO Notched Fittings[1]	NOS Notched Short Fittings[1]				
	TM, TP, TG, TMR, TPR, TGR	TML, TPL, TGL	TM, TP, TG, RN•••NO	RST•••NOS, STC•••NOS, GAS••••NOS		HA••••	IXM, IXV, IXH	IXSE, IXFS, IXMS, CSSR
3/4"	---	---	---	---	---	---	---	---
1"	---	---	---	---	250	---	---	---
1-1/4"	600	1,000	350	---	---	---	800	---
1-3/8"	---	---	---	---	---	---	---	---
1-1/2"	600	1,000	350	250	250	145	800	250
2"	600	1,000	350	250	250	145	800	250
2-1/2"	600	1,000	250	---	150	---	600	250
3"	600	1,000	250	250	125	145	600[3]	250
4"	500	850	250	[4]	100	---	500[3]	200
5"	450	750	---	---	---	---	---	---
6"	400	700	---	---	---	---	400	---
8"	350	600	---	---	---	---	---	---
10"	300	550	---	---	---	---	---	---

[1] Maximum recommended working pressures, in **PSI**, given at **70°F** ambient temperature

[2] The assembly's (hose + coupling) maximum working pressure is the lesser of:
1) The hose rated working pressure, or
2) The coupling rated working pressure

[3] For hoses which use IXF48-3 to IXF48-5 and IXF64-2 to IXF64-5, consult Dixon for working pressures. See notes below for specific recommendations

[4] Contact Dixon for pressure recommendations

Standard Fittings
Recommended for use on most 1- and 2-wire braid reinforced hoses, fiber reinforced (braided or spiraled) with or without helical wire such as: oil suction and discharge hose, barge and dock loading and unloading hose, as well as LP gas hose, anhydrous ammonia hose, acid chemical hose, and high pressure air and water hose.

Long Style Fittings
Recommended for use on hose as listed under standard fittings where additional retention is required due to higher working pressures or end pull. Consult maximum working pressure chart or call Dixon.

Light-Duty Fittings
Recommended for use in the same applications as standard fittings above where lower working pressures are encountered. Consult maximum working pressure chart or consult Dixon.

Internally Expanded Fittings
Recommended for concrete placement, grout and plaster, food, dairy, pharmaceutical as well as other applications where increased flow capacity is important. Consult maximum working pressure chart or call Dixon for additional application and working pressure information.

Holedall External Swage Coupling System

The Holedall coupling system provides outstanding strength, durability, and safety.

The Holedall system is a method of attaching couplings to hose utilizing a progressive swage. The patented Holedall couplings include a Holedall stem and a specially engineered ferrule. The hydraulic swaging of the coupling to the hose is accomplished by pushing the ferrule through a die which reduces the ferrule O.D., thus providing a 360° uninterrupted compression band around the hose.

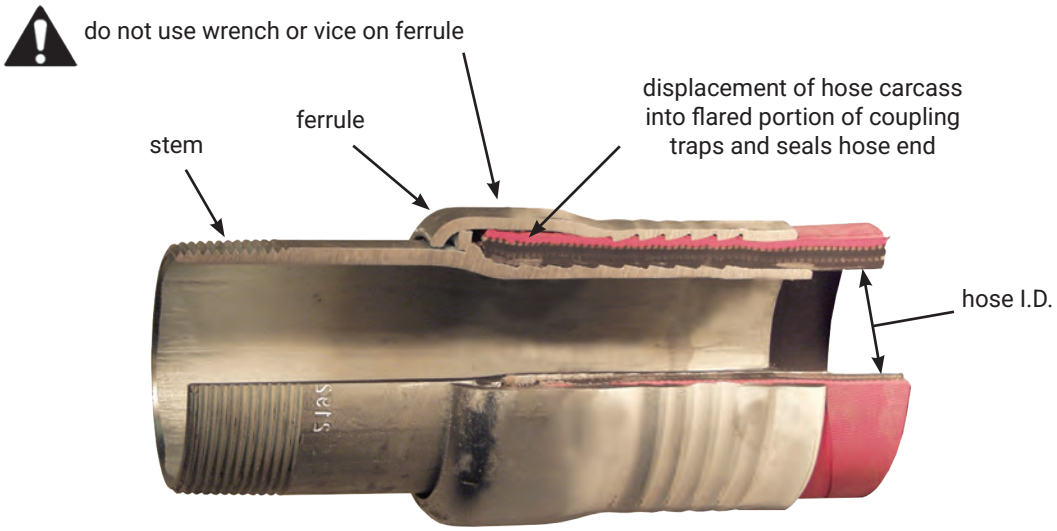
A hydraulic ram is the only piece of machinery necessary to accomplish the coupling. Available in two different sizes – 15 and 25 ton see page 587 – these rams will accommodate dies and pushers of various sizes so that hoses up to 10" in diameter may be coupled.

This multi-purpose, high pressure coupling system requires no bolts and results in a clean coupling with no protrusions. The swaging operation is fast, enabling coupling of hoses in various lengths and styles. Ease of operation, flexibility, and economy make the Holedall method an unequalled assembly system.

Features

- Provides long-lasting efficiency and safety
- Lightweight coupling consisting of ferrule and stem
- Streamlined, no protrusions to snag on equipment
- Holedall fittings can also be crimped
- Available in stainless steel and carbon steel
- Available in multiple configurations: pipe thread, plain end, grooved, or flanged ends

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



cross-section of Holedall externally swaged assembly

External Swage Stems

Male NPT End Tubular Type

Features

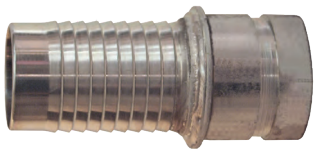
- Designed for hose I.D.s 1-1/4" - 10"; ferrule size depends on the hose O.D. Refer to page 593 to select the correct ferrule
- For higher working pressure applications use long style stems and ferrules
- Parts can be crimped or swaged

Size	Carbon Steel Part #	316 Stainless Part #	Long Style Carbon Steel Part #
1-1/4"	TM20	TMR20	TML20
1-1/2"	TM24	TMR24	TML24
2"	TM32	TMR32	TML32
2-1/2"	TM40	TMR40	TML40
3"	TM48	TMR48	TML48
4"	TM64	TMR64	TML64
5"	TM80	---	---
6"	TM96	TMR96	TML96
	---	TMR96-42	---
8"	TM128	---	---

Beveled End for Welding

Size	Carbon Steel Part #	316 Stainless Steel Part #	Long Style Unplated Carbon Steel Part #
1-1/2"	TP24	---	---
2"	TP32	TPR32	TPL32
2-1/2"	TP40	---	---
3"	TP48	TPR48	TPL48
4"	TP64	TPR64	TPL64
5"	TP80	---	---
6"	TP96	---	TPL96
8"	TP128	---	TPL128
10"	TP160	---	---

Grooved End



Size	Carbon Steel Part #	316 Stainless Part #	Long Style Plated Carbon Steel Part #
1-1/4"	---	---	TGL20
1-1/2"	TG24	TGR24	TGL24
2"	TG32	TGR32	---
2-1/2"	TG40	TGR40	---
3"	TG48	TGR48	TGL48
4"	TG64	TGR64	TGL64
5"	TG80	---	---
6"	TG96	---	TGL96
8"	TG128	---	TGL128

Special Holedall Stems

Size	Type	Material	Part #
4"	NPT	carbon steel	TM64-42
		carbon steel	TML64-42
6"	NPT	carbon steel	TM96-42
		316 stainless	TMR96-42
		carbon steel	TML96-42
	beveled	unplated carbon steel	TP96-42
		316 stainless	TPR96-42
	grooved	carbon steel	TGL96-42
		carbon steel	TG96-42
8"	NPT	carbon steel	TM128-42
	beveled	unplated carbon steel	TP128-42
	grooved	carbon steel	TG128-42

NOTE: Use with external swage ferrules on page 593

External Swage

Flange Assemblies

Features

- 150# ASA flange drilling available with carbon steel stem, flange, and ferrule, or with 316 stainless steel stem and flange and carbon steel ferrule
- Available in other sizes; consult Dixon®

Fixed Flange

Size	Hose O.D. From	Hose O.D. To	Carbon Steel Part #	Stainless Steel Part #
2"	2-28/64"	2-40/64"	32P1SO15	R32P1SOR15
	2-41/64"	2-48/64"	32P2SO15	R32P2SOR15
	2-49/64"	2-56/64"	32P3SO15	R32P3SOR15
3"	3-30/64"	3-40/64"	48P1SO15	R48P1SOR15
	3-41/64"	3-48/64"	48P2SO15	R48P2SOR15
	3-49/64"	3-56/64"	48P3SO15	R48P3SOR15
4"	4-40/64"	4-44/64"	64P1SO15	R64P1SOR15
	4-45/64"	4-52/64"	64P2SO15	R64P2SOR15
	4-53/64"	4-60/64"	64P3SO15	R64P3SOR15
6"	7"	7-4/64"	96P1SO15	---
	7-5/64"	7-12/64"	96P2SO15	---
	7-13/64"	7-20/64"	96P3SO15	---
8"	9-20/64"	9-24/64"	128P1SO15	---

Floating Flange

Size	Hose O.D. From	Hose O.D. To	Carbon Steel Part #	Stainless Steel Part #
2"	2-28/64"	2-40/64"	32P1LJ15	R32P1LJR15
	2-41/64"	2-48/64"	32P2LJ15	R32P2LJR15
	2-49/64"	2-56/64"	32P3LJ15	R32P3LJR15
3"	3-30/64"	3-40/64"	48P1LJ15	R48P1LJR15
	3-41/64"	3-48/64"	48P2LJ15	R48P2LJR15
	3-49/64"	3-56/64"	48P3LJ15	R48P3LJR15
4"	4-40/64"	4-44/64"	64P1LJ15	R64P1LJR15
	4-45/64"	4-52/64"	64P2LJ15	R64P2LJR15
	4-53/64"	4-60/64"	64P3LJ15	R64P3LJR15
6"	7"	7-4/64"	96P1LJ15	---
	7-5/64"	7-12/64"	96P2LJ15	---
	7-13/64"	7-20/64"	96P3LJ15	---
8"	9-20/64"	9-24/64"	128P1LJ15	---

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

External Swage Stems – Female End

two piece design
1"

one piece design
1-1/4" - 2"

Size	Hose O.D.		Plated Carbon Steel Part #
	From	To	
1"	1-30/64"	1-34/64"	TF16WF1-80
	1-34/64"	1-38/64"	TF16WF2-80
2"	2-36/64"	2-40/64"	TF32WF1-80[1]
	2-41/64"	2-48/64"	TF32WF2-80[1]

[1] Special pusher required for 1-1/4" and 2" sizes: 1-1/4" 25PUSH125-MOD, 2" 25PUSH200MOD

External Swage Uni-Range Male Couplings

Applications

- Recommended for use on most 1 or 2-wire braid reinforced hoses, fiber reinforced (braided or spiral) with or without helical wire such as chemical, high pressure air and water hoses, and LP gas hoses

Features

- Designed for smaller hose systems, hose I.D.s of 1/4" to 1"
- Shipped complete with factory assembled stem and ferrule combination
- Can be swaged or crimped
- Stainless steel stems are investment cast
- Other hose O.D.s available; consult Dixon®

L

Size	Hose O.D.		Plated Carbon Steel Part #	Stainless / Carbon Steel Part #	Stainless Steel Part #
	From	To			
1/4"	34/64"	38/64"	4P1	---	---
	38/64"	42/64"	4P2	---	---
	42/64"	46/64"	4P3	---	---
3/8"	46/64"	50/64"	6P1	---	---
	50/64"	54/64"	6P2	---	---
	54/64"	58/64"	6P3	---	---
1/2"	54/64"	58/64"	8P1	---	---
	58/64"	62/64"	8P2	---	R8P2SS
	62/64"	1-2/64"	8P3	---	---
3/4"	1-6/64"	1-12/64	---	---	R12P1250
	1-10/64"	1-14/64"	12P1	R12P1	---
	1-13/64	1-22/64	---	---	R12P1370
	1-14/64"	1-18/64"	12P2	R12P2	---
	1-18/64"	1-22/64"	12P3	R12P3	---
1"	1-30/64"	1-34/64"	16P1	R16P1	---
	1-30/64"	1-38/64"	---	---	R16P1620
	1-34/64"	1-38/64"	16P2	R16P2	---
	1-38/64"	1-42/64"	16P3	R16P3	---
	1-38/64"	1-46/64"	---	---	R16P1770
	1-42/64"	1-46/64"	16P4	R16P4	---

External Swage Ferrules

The selection of ferrules is very important to achieve the proper coupling-to-hose assembly. For assistance in proper selection, contact Dixon®.

Features

- Style F ferrules are used with all standard length stems, page 590
- Style FL ferrules are extra long and are used with all long style stems, page 590

Hose I.D.	Hose O.D. From	Hose O.D. To	Plated Carbon Steel Part #	Plated Carbon Steel Long Style Part #
1-1/4"	1-44/64"	1-48/64"	F20-1	FL20-1
	1-49/64"	1-56/64"	F20-2	FL20-2
	1-57/64"	2"	F20-3	FL20-3
	2-1/64"	2-8/64"	F20-4	FL20-4
1-1/2"	1-58/64"	2"	F24-1	FL24-1
	2-1/64"	2-8/64"	F24-2	FL24-2
	2-9/64"	2-16/64"	F24-3	FL24-3
	2-17/64"	2-24/64"	F24-4	---
	2-25/64"	2-32/64"	F24-5	FL24-5
2"	2-28/64"	2-40/64"	F32-1	FL32-1
	2-41/64"	2-48/64"	F32-2	FL32-2
	2-49/64"	2-56/64"	F32-3	FL32-3
	2-57/64"	3-2/64"	F32-4	FL32-4
2-1/2"	2-62/64"	3-8/64"	F40-1	FL40-1
	3-9/64"	3-16/64"	F40-2	FL40-2
	3-17/64"	3-24/64"	F40-3	FL40-3
	3-25/64"	3-32/64"	F40-4	---
	3-33/64"	3-40/64"	F40-5	---
3"	3-30/64"	3-40/64"	F48-1	FL48-1
	3-41/64"	3-48/64"	F48-2	FL48-2
	3-49/64"	3-56/64"	F48-3	FL48-3
	3-57/64"	4"	F48-4	FL48-4
	4-1/64"	4-8/64"	F48-5	FL48-5
4"	4-30/64"	4-39/64"	F64-Z[1]	FL64-Z[1]
	4-40/64"	4-44/64"	F64-1	FL64-1
	4-45/64"	4-52/64"	F64-2	FL64-2
	4-53/64"	4-60/64"	F64-3	FL64-3
	4-61/64"	5-4/64"	F64-4	FL64-4
	5-5/64"	5-12/64"	F64-5	FL64-5
	5-13/64"	5-20/64"	F64-6	FL64-6
	5-21/64	5-28/64"	F64-7	FL64-7
	5-29/64"	5-36/64"	F64-8	FL64-8
5"	5-56/64"	5-60/64"	F80-1	FL80-1
	5-61/64"	6-4/64"	F80-2	FL80-2
	6-5/64"	6-12/64"	F80-3	FL80-3
	6-13/64"	6-20/64"	F80-4	FL80-4
	6-21/64"	6-28/64"	F80-5	FL80-5
	6-29/64"	6-38/64"	F80-6	FL80-6
	6-37/64"	6-44/64"	F80-7	FL80-7
6"	6-44/64"	6-63/64"	F96-Z[1]	FL96-Z[1]
	7"	7-4/64"	F96-1	FL96-1
	7-5/64"	7-12/64"	F96-2	FL96-2
	7-13/64"	7-20/64"	F96-3	FL96-3
	7-21/64"	7-28/64"	F96-4	FL96-4
	7-29/64"	7-36/64"	F96-5	FL96-5
	7-37/64"	7-44/64"	---	FL96-6
	7-45/64"	7-52/64"	F96-7	FL96-7
	7-53/64"	7-60/64"	F96-8	---
	7-61/64"	8"	F96-9	FL96-9
8"	8-33/64"	8-40/64"	F128-X[1]	---
	9-5/64"	9-16/64"	F128-Y	FL128-Y
	9-17/64"	9-24/64"	F128-1	FL128-1
	9-25/64"	9-32/64"	F128-2	FL128-2
	9-33/64"	9-40/64"	F128-3	FL128-3
	9-41/64"	9-48/64"	F128-4	FL128-4
	9-49/64"	9-56/64"	F128-5	FL128-5
	9-57/64"	10"	F128-6	FL128-6
	10-1/64"	10-8/64"	F128-7	FL128-7
10"	11-32/64"	11-44/64"	F160-1	FL160-1
	11-45/64"	11-60/64"	F160-2	FL160-2
	11-61/64"	12-12/64"	F160-3	FL160-3
	12-13/64"	12-28/64"	F160-4	FL160-4
	12-29/64"	12-44/64"	F160-5	FL160-5
	12-45/64"	12-60/64"	F160-6	FL160-6

long style

L

[1] Requires use with special stems on page 592

NOTE: For applications with hose O.D. ranges not listed, contact Dixon®.

External Swage Ferrules – Light Duty

Application
- For use with standard length stems styles TMR, TPR, and TGR series on pages 590-591

Feature
- Consult Dixon® for die recommendations, go to dixonvalve.com for specific pressure recommendations

Hose I.D.	Hose O.D.		304 Stainless Steel Part #
	From	To	
1-1/2"	1-60/64"	2-12/64"	GAS2334TO
	2-4/64"	2-22/64"	GAS2370TO
2"	2-30-64"	2-44/64"	GAS2709TO
	2-42/64"	2-54/64"	GAS2885TO
3"	3-30/64"	3-46/64"	GAS3760TO
	3-47/64"	3-54/64"	GAS3885TO

External Swage High Pressure Couplings

Features
- Sold as a complete coupling (stem and matching ferrule)
- Must provide hose O.D. when ordering for a properly sized ferrule; make sure both ends of the hose are measured for O.D.
- Can be swaged or crimped
- API and NPT sizes are interchangeable
- Stems are machined from seamless pipe and tubing with specially designed serrations
- Ferrules are machined from a heavy wall material incorporating matching serrations

Specification
- Intended for services requiring a fitting to withstand extremely high pressures (up to **3,000 PSI** at **70°F (21°C)**) and severe operating conditions including: small and medium size drilling rigs, slim hole applications and core drill, workover, seismograph, water well, blast or shot holes

Stem and Ferrule Complete Assemblies

Male NPT Thread Coupling Units

Hose I.D.	NPT Size	Zinc Plated Steel Part #
2-1/2"	2-1/2"	LM40-*
3"	3"	LM48-*

* An accurate hose O.D. must be provided to complete the part # and to ensure proper retention

Internal Expansion Coupling System

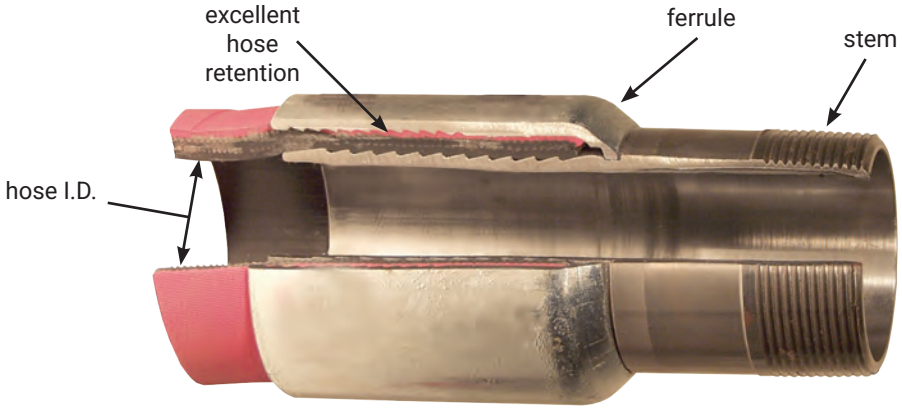
Applications

- Essential in applications requiring maximum flow including: concrete pump hose, plaster and grout hose, oil suction and discharge hose, multi-purpose heavy duty air hose, jetting hose, barge loading hose, and bottom loading hose.

Features

- Maximum flow of media
- Reduction of turbulence through hose
- Excellent sealing and retention characteristics
- Outperforms band clamps
- Easy and consistent installation
- Only one expansion tool is needed for each hose I.D.
- Available end configurations: male NPT, grooved, others available; contact Dixon®

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



Cross-section of Holedall internally expanded assembly

Male Pipe Threaded End Stems

Size	Working PSI[1]	Carbon Steel Part #
1"	800	IXM16
1-1/4"		IXM20
1-1/2"		IXM24
2"		IXM32
2-1/2"	600	IXM40
3"	600[2]	IXM48
4"	500[2]	IXM64
6"	400	IXM96

[1] Maximum recommended working pressures at **70°F (21°C)** ambient temperature
[2] For hoses that use IXF48-3 to IXF48-5 and IXF64-2 to IXF64-5, consult Dixon for working pressures. See page 588 for specific recommendations.

Heavy Duty Raised End Stems

Size	Working PSI[1]	Carbon Steel Part #
1-1/2"	800	IXH24
2"		IXH32
2-1/2"	600	IXH40
3"	600[2]	IXH48
4"	500[2]	IXH64

[1] Maximum recommended working pressures at **70°F (21°C)** ambient temperature
[2] For hoses that use IXF48-3 to IXF48-5 and IXF64-2 to IXF64-5, consult Dixon for working pressures. See page 588 for specific recommendations.

Internal Expansion Coupling System

Grooved End Stems

Size	Working PSI[1]	Carbon Steel Part #
1-1/4"	800	IXV20
1-1/2"		IXV24
2"		IXV32
2-1/2"	600	IXV40
3"	600[2]	IXV48
4"	500[2]	IXV64

[1] Maximum recommended working pressures at **70°F (21°C)** ambient temperature

[2] For hoses that use IXF48-3 to IXF48-5 and IXF64-2 to IXF64-5, consult Dixon® for working pressures. See page 588 for specific recommendations.

Internal Expansion Ferrules

Hose I.D.	Hose O.D. From	Hose O.D. To	Ferrule I.D.	Plated Carbon Steel Part #
1"	1-28/64"	1-32/64"	1-1/2"	IXF16-2
	1-32/64"	1-36/64"	1-9/16"	IXF16-3
	1-36/64"	1-40/64"	1"	IXF16-4
1-1/4"	1-40/64"	1-44/64"	1-11/16"	IXF20-Z
	1-44/64"	1-48/64"	1-3/4"	IXF20-1
	1-48/64"	1-52/64"	1-13/16"	IXF20-2
	1-52/64"	1-56/64"	1-7/8"	IXF20-3
	1-56/64"	1-60/64"	1-15/16"	IXF20-4
	1-60/64"	2"	2"	IXF20-5
	2"	2-4/64"	2-1/16"	IXF20-6
1-1/2"	1-56/64"	1-60/64"	1-15/16"	IXF24-Z
	1-60/64"	2"	2"	IXF24-1
	2"	2-4/64"	2-1/16"	IXF24-2
	2-4/64"	2-8/64"	2-1/8"	IXF24-3
	2-8/64"	2-12/64"	2-3/16"	IXF24-4
	2-12/64"	2-16/64"	2-1/4"	IXF24-5
	2-16/64"	2-20/64"	2-5/16”	IXF24-6
	2-20/64"	2-24/64"	2-3/8"	IXF24-7
2"	2-32/64"	2-36/64"	2-9/16"	IXF32-Y
	2-36/64"	2-40/64"	2-5/8"	IXF32-Z
	2-40/64"	2-44/64"	2-11/16"	IXF32-1
	2-44/64"	2-48/64"	2-3/4"	IXF32-2
	2-48/64"	2-52/64"	2-13/16"	IXF32-3
	2-52/64"	2-56/64"	2-7/8"	IXF32-4
	2-56/64"	2-60/64"	2-15/16"	IXF32-5
	2-60/64"	3"	3"	IXF32-6
	3"	3-4/64"	3-1/16"	IXF32-7
2-1/2"	3"	3-4/64"	3-1/16"	IXF40-1
	3-4/64"	3-8/64"	3-1/8"	IXF40-2
	3-8/64"	3-12/64"	3-3/16"	IXF40-3
	3-12/64"	3-16/64"	3-1/4"	IXF40-4
	3-16/64"	3-20/64"	3-5/16"	IXF40-5
	3-20/64"	3-24/64"	3-3/8"	IXF40-6
	3-24/64"	3-28/64"	3-7/16"	IXF40-7
	3-28/64"	3-32/64"	3-1/2"	IXF40-8

Hose I.D.	Hose O.D. From	Hose O.D. To	Ferrule I.D.	Plated Carbon Steel Part #
3"	3-32/64"	3-36/64"	3-9/16"	IXF48-T
	3-36/64"	3-40/64"	3-5/8"	IXF48-U
	3-40/64"	3-44/64"	3-11/16"	IXF48-V
	3-44/64"	3-48/64"	3-3/4"	IXF48-W
	3-48/64"	3-52/64"	3-13/16"	IXF48-X
	3-52/64"	3-56/64"	3-7/8"	IXF48-Y
	3-56/64"	3-60/64"	3-15/16"	IXF48-Z
	3-60/64"	4"	4"	IXF48-1
	4"	4-4/64"	4-1/16"	IXF48-2
	4-4/64"	4-8/64"	4-1/8"	IXF48-3[1]
	4-8/64"	4-12/64"	4-3/16"	IXF48-4[1]
	4-12/64"	4-16/64"	4-1/4"	IXF48-5[1]
4"	4-36/64"	4-40/64"	4-5/8"	IXF64-T
	4-40/64"	4-44/64"	4-11/16"	IXF64-U
	4-44/64"	4-48/64"	4-3/4"	IXF64-V
	4-48/64"	4-52/64"	4-13/16"	IXF64-W
	4-52/64"	4-56/64"	4-7/8"	IXF64-X
	4-56/64"	4-60/64"	4-15/16"	IXF64-Y
	4-60/64"	5"	5"	IXF64-Z
	5"	5-4/64"	5-1/16"	IXF64-1
	5-4/64"	5-8/64"	5-1/8"	IXF64-2[1]
	5-8/64"	5-12/64"	5-3/16"	IXF64-3[1]
	5-12/64"	5-16/64"	5-1/4"	IXF64-4[1]
	5-16/64"	5-20/64"	5-5/16"	IXF64-5[1]
6"	6-40/64"	6-44/64"	6-11/16"	IXF96-1
	6-44/64"	6-48/64"	6-3/4"	IXF96-2
	6-46/64"	6-50/64"	6-25/32"	IXF96-3
	6-48/64"	6-52/64"	6-13/16"	IXF96-4
	6-52/64"	6-56/64"	6-7/8"	IXF96-5
	6-56/64"	6-60/64"	6-15/16"	IXF96-6
	6-60/64"	7"	7"	IXF96-7
	7"	7-4/64"	7-1/16"	IXF96-8
	7-4/64"	7-8/64"	7-1/8"	IXF96-9
	7-8/64"	7-12/64"	7-3/16"	IXF96-10
	7-12/64"	7-16/64"	7-1/4"	IXF96-11
	7-16/64"	7-20/64"	7-5/16"	IXF96-12
	7-18/64"	7-22/64"	7-11/32"	IXF96-13
	7-20/64"	7-24/64"	7-3/8"	IXF96-14

[1] For hoses using ferrule sizes IXF48-3 thru IXF48-5 and IXF64-2 thru IXF64-5, consult Dixon for working pressures

NOTE: For use with IX stems on pages 595-596.

Holedall Petroleum Style Couplings

Applications

- Recommended for discharge and suction service; commonly used in the transfer of fuel to homes, airplanes, ships, etc.
- Intended for fuel delivery service, see page 599 for information on API 1529 certification

Features

- Compact, lightweight, and streamlined to eliminate catching on curbs and shrubs
- Stems and ferrules are designed to be used together as a coupling system
- Stem is expanded to nominal I.D. of hose for a rigid, uniform, full-flow area
- All fittings have octagonal facets for tightening with a wrench; females in 1-1/2" and larger sizes have lugs for tightening
- Pre-lubricated for assembly
- Designed for internal expansion only
- Hand and electrically operated installation equipment is available; consult Dixon® for pricing and availability
- Working pressure varies with the size of the fitting, the size and construction of the hose, and the media being conveyed; consult Dixon for recommendations
- Do not interchange with other manufacturers

Material

- Male and female stems are machined from bar stock or solid brass forgings; ferrules are available in brass and stainless steel

Holedall Male Couplings

Size	Thread	Brass Part #
3/4"	NPT	H5192
1"		H5212-A
1-1/4"		H5222-A
1-3/8"		H5272[1]
1-1/2"		H5232-A
2"		H5242
2-1/2"		H5252
3"		H5262
1"	NST	H5212NST
1-1/2"		H5232NST

[1] 1-3/8" stem has 1-1/2" thread

Holedall Female Couplings

Size	Thread	Brass Part #
3/4"	NPSH	H5191-BU
1"		H5211-A-BU
1-1/4"		H5221-A-BU
1-3/8"		H5271-BU[1]
1-1/2"		H5231-A-BU
2"		H5241-BU
2-1/2"	NPSM	H5251-A-BU[3]
3"		H5261[3]
1"	NST	H5211NST
1-1/2"		H5231NST[2]

[1] 1-3/8" stem has 1-1/2" thread
[2] 1-1/2" NST requires special adapter, part # H5231NSTADT
[3] 2-1/2" and 3" parts have female NPSM thread

Holedall Grooved Couplings

Size	Brass Part #
1"	G5212
1-1/2"	G5232
2"	G5242
2-1/2"	G5252

Holedall Petroleum Style Series

Application **Ferrules**

- For use with Holedall Petroleum style couplings on page 597

Features

- Eliminates the need for a large stock of coupling bodies
- With a wide range of sizes available, you can build the perfect assembly of a coupling to a corresponding hose size with commercial tolerances, regardless of wall thickness

L

Hose I.D.	Hose O.D.		Brass Part #
	From	To	
3/4"	1-4/64"	1-7/64"	R75AAAS
	1-8/64"	1-11/64"	R75AAS
	1-12/64"	1-14/64"	R75AS
	1-15/64"	1-17/64"	R75BS
	1-18/64"	1-20/64"	R75CS
1"	1-24/64"	1-26/64"	R1AAAS-A
	1-27/64"	1-29/64"	R1AAS-A
	1-30/64"	1-32/64"	R1AS-A
	1-33/64"	1-35/64"	R1BS-A
	1-36/64"	1-38/64"	R1CS-A
	1-39/64"	1-41/64"	R1DS-A
	1-42/64"	1-44/64"	R1ES-A
1-1/4"	1-39/64"	1-42/64"	R125AAS-A
	1-43/64"	1-46/64"	R125AS-A
	1-47/64"	1-50/64"	R125BS-A
	1-51/64"	1-54/64"	R125CS-A
	1-55/64"	1-58/64"	R125DS-A
	1-59/64"	1-62/64"	R125ES-A
1-3/8"	1-47/64"	1-50/64"	R1375BS
	1-51/64"	1-54/64"	R1375CS
	1-55/64"	1-58/64"	R1375DS
	1-59/64"	1-62/64"	R1375ES
1-1/2"	1-54/64"	1-57/64"	R15AAAS-A
	1-58/64"	1-62/64"	R15AAS-A
	1-63/64"	2-2/64"	R15AS-A
	2-3/64"	2-6/64"	R15BS-A
	2-7/64"	2-11/64"	R15CS-A
	2-12/64"	2-14/64"	R15DS-A
	2-15/64"	2-19/64"	R15ES-A
	2-20/64"	2-24/64"	R15FS-A
2"	2-27/64"	2-30/64"	R2AAS
	2-31/64"	2-34/64"	R2AS
	2-35/64"	2-38/64"	R2BS
	2-39/64"	2-42/64"	R2CS
	2-43/64"	2-46/64"	R2DS
	2-47/64"	2-50/64"	R2ES
	2-51/64"	2-54/64"	R2FS
2-1/2"	2-62/64"	3-1/64"	R25AS
	3-2/64"	3-6/64"	R25BS
	3-7/64"	3-11/64"	R25CS
	3-12/64"	3-16/64"	R25DS
3"	3-30/64"	3-34/64"	R3AAAS
	3-35/64"	3-39/64"	R3AAS
	3-40/64"	3-45/64"	R3AS
	3-46/64"	3-50/64"	R3BS
	3-51/64"	3-54/64"	R3CS

NOTE: Can be used with crimp fuel couplings on page 599.

API Certified Attached Holedall Petroleum Male Couplings

Male Couplings

Approval

- Tested and compliant with API 1529 6th edition; coupling procedures, ferrule recommendations, and API test data are available upon request, please contact Dixon® at engineering@dixonvalve.com

Size	Thread Type	Brass Part #
1"	NPT	H5212-A
1-1/4"		H5222-A
1-1/2"		H5232-A
2"		H5242L-A
2-1/2"		H5252L-A
3"		H5262L-A
4"		H5282L-A

Female Couplings

Size	Thread Type	Brass Part #
1"	NPSH	H5211-A-BU
1-1/4"		H5221-A-BU
1-1/2"		H5231-A-BU
2"		H5241L-A-BU
2-1/2"	NPSM	H5251L-A-BU
3"		H5261L-A-BU
4"		H5281L-A-BU

Crimp Fuel Oil Couplings

Application

- Crimpable brass ferrule and stem to outfit fuel oil hose assemblies

Features

- Same ferrules are used for crimping as internal expansion on page 600
- Faster assembly time
- Does not require tooling used for internal expansion

Specification

- Working pressure: **250 PSI**

Male Couplings

Size	Thread Type	Brass Part #
1"	NPT	H5212CS
1-1/4"		H5222CS
1-3/8"		H5272CS
1-1/2"		H5232CS

Female Couplings

Size	Thread Type	Brass Part #
1"	NPSH	H5211CS
1-1/4"		H5221CS
1-3/8"		H5271CS
1-1/2"		H5231CS

API Certified Series Ferrules

brass

304 stainless steel

Hose I.D.	Hose O.D. From	Hose O.D. To	Brass Part #	304 Stainless Steel Part #
1"	1-24/64"	1-26/64"	R1AAAS-A	---
	1-27/64"	1-29/64"	R1AAS-A	---
	1-30/64"	1-32/64"	R1AS-A	---
	1-33/64"	1-35/64"	R1BS-A	---
	1-36/64"	1-38/64"	R1CS-A	---
	1-39/64"	1-41/64"	R1DS-A	---
	1-42/64"	1-44/64"	R1ES-A	---
1-1/4"	1-39/64"	1-42/64"	R125AAS-A	---
	1-43/64"	1-46/64"	R125AS-A	---
	1-47/64"	1-50/64"	R125BS-A	---
	1-51/64"	1-54/64"	R125CS-A	---
	1-55/64"	1-58/64"	R125DS-A	---
	1-59/64"	1-62/64"	R125ES-A	---
1-1/2"	1-54/64"	1-57/64"	R15AAAS-A	---
	1-58/64"	1-62/64"	R15AAS-A	---
	1-63/64"	2-2/64"	R15AS-A	---
	2-3/64"	2-6/64"	R15BS-A	---
	2-7/64"	2-11/64"	R15CS-A	---
	2-12/64"	2-14/64"	R15DS-A	---
	2-15/64"	2-19/64"	R15ES-A	---
	2-20/64"	2-24/64"	R15FS-A	---
2"	2-31/64"	2-34/64"	---	R2ASS-A
	2-35/64"	2-38/64"	---	R2BSS-A
	2-39/64"	2-42/64"	---	R2CSS-A
	2-43/64"	2-46/64"	---	R2DSS-A
	2-47/64"	2-50/64"	---	R2ESS-A
2-1/2"	2-62/64"	3-1/64"	---	R25ASS-A
	3-2/64"	3-6/64"	---	R25BSS-A
	3-7/64"	3-11/64"	---	R25CSS-A
	3-12/64"	3-16/64"	---	R25DSS-A
	3-17/64"	3-21/64"	---	R25ESS-A
3"	3-35/64"	3-39/64"	---	R3AASS-A
	3-40/64"	3-45/64"	---	R3ASS-A
	3-46/64"	3-50/64"	---	R3BSS-A
	3-51/64"	3-54/64"	---	R3CSS-A
	3-55/64"	3-59/64"	---	R3DSS-A
4"	4-46/64"	4-48/64"	---	R4ESS-A
	4-49/64"	4-51/64"	---	R4FSS-A
	4-52/64"	4-54/64"	---	R4GSS-A
	4-55/64"	4-57/64"	---	R4HSS-A
	4-58/64"	4-59/64"	---	R4KSS-A
	4-60/64"	4-62/64"	---	R4LSS-A
	4-63/64"	5"	---	R4MSS-A

NOTE: For use with API couplings on page 599.

Female Replacement Washers

Application
- For use with female internally expanded Holedall couplings on page 599

Size	Nitrile Rubber Part #
3/4"	H5071-BU
1"	H5072-BU
1-1/4"	H5073-BU
1-1/2"	H5074-BU
2"	H5075-BU
2-1/2"	H5076-BU
3"	H5077-BU
4"	H5078-BU

HB Coupling Expander Machine

Applications
- For use in a fixed location for small production runs or as a portable repair type expander

Features
- Hand operated, pull-through type expander
- Attaches sizes 3/4" through 2" of the Holedall Petroleum style and all sizes of the curb pump fittings
- Expander tooling sold separately

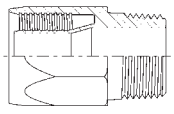
Part #
2500HB0000

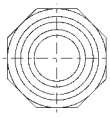
Pump Hose Couplings

Application
- Economical and trouble-free couplings for gas pump hose

Features
- Serrations on the stem embed in the hose, eliminating wicking and leakage
- Shell extends beyond the stem preventing cutting of interior walls; tapered ends of stem and shell protect hose when flexed
- Provide tamper-proof static connection, which cannot be broken without completely damaging coupling and hose
- Internal expansion of stem to nominal I.D. of hose provides full flow
- Broad, firm grip of coupling extends hose life by making it possible for hose to withstand repeated bending
- Hand and electrically operated installation equipment is available; consult Dixon® for pricing and availability
- Reattach static wire if required

Approval
- UL recognized





Size	Male NPT	Hose O.D.	Chrome Plated Brass Part #
3/4"	3/4"	1-9/64"	H5751
		1-11/64"	H5752
		1-13/64"	H5753
		1-7/32"	H5754
		1-17/64"	H5755[1]
1"	1"	1-25/64"	H5771
		1-29/64"	H5772
		1-1/2"	H5773
		1-9/16"	H5774

[1] Thrust plate required, part # 25000HTL15

Dubl-Grip Field Attachable Couplings for Curb Pump Hose

Features

- Two-piece construction
- Streamlined design prevents damage to hose and fits well on new pump equipment
- Wide, flat surfaces of body threads protect inside of hose from breaking
- Tapered surface of sleeve and body cradle hose preventing one-point strain from flexing
- Hose is gripped on its full circumference in two places, ensuring a rigid leakproof connection
- Easy assembly:
  - Hose is held in position by sleeve as body is threaded home
  - Only a wrench is required to assemble the Dubl-Grip
- Reattach static wire if required

Approval

- UL recognized

Swivel

Hose I.D.	Male NPT	Hose O.D.	Chrome-Plated Brass Part #
3/4"	3/4"	1-1/8"	H603
		1-13/64"	H604
		1-1/4"	H605
1"	1"	1-3/8"	H609[1]
		1-7/16"	H610[1]
		1-1/2"	H611[1]

Non-Swivel

Hose I.D.	Male NPT	Hose O.D.	Chrome-Plated Brass Part #
3/4"	3/4"	1-1/8"	850451
		1-13/64"	850455
		1-1/4"	850453
1"	1"	1-3/8"	850841[1]
		1-7/16"	850801[1]
		1-1/2"	850811[1]

[1] Octagonal shape

CIP Internal Expansion (IX) Sanitary Hose Couplings

Applications
- Used in the food, dairy, and beverage industries

Feature
- Internal expansion (IX) fittings are only to be used with stainless steel ferrules

Approval
- Clean-in-place (CIP) compliant

Sanitary Clamp End Stems

Features
- See pages 688-696 for sanitary style gaskets
- See pages 610-613 for sanitary style clamps

Approvals
- 3A compliant when assembled by 3A authorized hose shop
- Special plug is required to expand CIP compliant fittings
- Special adapter plate is required to expand 1-1/2" CIP compliant fittings

Size	304 Stainless Steel Part #
1-1/2"	IXSE24-3A
2"	IXSE32-3A
3"	IXSE48-3A

Special Expansion Plugs for CIP Compliant IX Fitting

Hose Size	304 Stainless Steel Part #
1-1/2"	IXFDPLG137
2"	IXFDPLG187
3"	IXFDPLG287

CIP Internal Expansion (IX) Sanitary Tube Weld End Stem

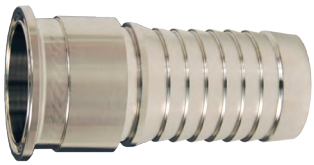
Feature
- Special plug is required to expand CIP compliant fittings

Size	304 Stainless Steel Part #
2"	IXPE32-3A

Internal Expansion (IX) Sanitary Stems

Clamp End Stems

Features
- Clamp end x hose shank
- Internal expansion (IX) fittings are only to be used with stainless steel ferrules
- See pages 688-696 for sanitary style gaskets
- See pages 610-613 for sanitary style clamps



Size	304 Stainless Steel Part #
1-1/2"	IXSE24
2"	IXSE32
2-1/2"	IXSE40
3"	IXSE48
4"	IXSE64

Internal Expansion (IX) Sanitary Stems

Male NPT Stems

Feature
- Internal expansion (IX) fittings are only to be used with stainless steel ferrules

Size	304 Stainless Steel Part #
1-1/2"	IXMS24
2"	IXMS32
2-1/2"	IXMS40
3"	IXMS48
4"	IXMS64

Internal Expansion (IX) Sanitary Bevel Seat Hose Couplings

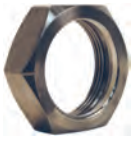
Features
- Internal expansion (IX) fittings are only to be used with stainless steel ferrules
- See pages 697-698 for bevel seat gaskets

Bevel Seat Stems

Feature
- Only use with the IXAN nuts shown below

Size	304 Stainless Steel Part #
1-1/2"	IXFS24
2"	IXFS32
2-1/2"	IXFS40
3"	IXFS48
4"	IXFS64

Bevel Seat Threaded Hex Nuts
Series 13H (modified)



Size	304 Stainless Steel Part #
1-1/2"	IXAN24
2"	IXAN32
2-1/2"	IXAN40
3"	IXAN48
4"	IXAN64

IX Sanitary Ferrules

Feature

- Ferrule I.D.s are designed in increments of 1/16"

Hose I.D.	Hose O.D.		304 Stainless Steel Part #
	From	To	
1-1/2" [1]	1-56/64"	1-59/64"	24PFX1.937
	1-60/64"	1-63/64"	24PFX2.000
	2"	2-3/64"	24PFX2.062
	2-4/64"	2-7/64"	24PFX2.125
	2-8/64"	2-11/64"	24PFX2.187
	2-12/64"	2-15/64"	24PFX2.250
	2-16/64"	2-19/64"	24PFX2.312 [2]
2"	2-28/64"	2-31/64"	32PFX2.500
	2-32/64"	2-35/64"	32PFX2.562
	2-36/64"	2-39/64"	32PFX2.625
	2-40/64"	2-43/64"	32PFX2.687
	2-44/64"	2-47/64"	32PFX2.750
	2-48/64"	2-51/64"	32PFX2.812
	2-52/64"	2-55/64"	32PFX2.875
	2-56/64"	2-59/64"	32PFX2.937
2-1/2"	3"	3-3/64"	40PFX3.062
	3-4/64"	3-7/64"	40PFX3.125
	3-8/64"	3-11/64"	40PFX3.187
	3-12/64"	3-15/64"	40PFX3.250
	3-16/64"	3-19/64"	40PFX3.312
	3-20/64"	3-23/64"	40PFX3.375
	3-28/64"	3-31/64"	40PFX3.500
3"	3-32/64"	3-35/64"	48PFX3.562
	3-36/64"	3-39/64"	48PFX3.625
	3-40/64"	3-43/64"	48PFX3.687
	3-44/64"	3-47/64"	48PFX3.750
	3-48/64"	3-51/64"	48PFX3.812
	3-52/64"	3-55/64"	48PFX3.875
	3-56/64"	3-59/64"	48PFX3.937
	3-60/64"	3-63/64"	48PFX4.000
	4"	4-3/64"	48PFX4.062
	4-4/64"	4-7/64"	48PFX4.125
4"	4-36/64"	4-39/64"	64PFX4.625
	4-40/64"	4-43/64"	64PFX4.687
	4-44/64"	4-47/64"	64PFX4.750
	4-48/64"	4-51/64"	64PFX4.812
	4-52/64"	4-55/64"	64PFX4.875
	4-56/64"	4-59/64"	64PFX4.937

L

[1] 1-1/2" ferrules do not have serrations on the I.D.
[2] Consult Dixon® at engineering@dixonvalve.com for working pressure
NOTE: For use with IX stems on pages 603-604.

Dixon Boss Sanitary King Crimp® Stem

Features
- To be used with King Crimp sleeves and/or ferrules see pages 13-16
- See pages 688-696 for sanitary style gaskets
- See pages 610-613 for sanitary style clamps

Approval
- Wetted surfaces meet governmental and independent regulatory standards only

Clamp End x Hose Shank Stems

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

Holedall DIN External

Crimp Female Stems

Size	DIN	316 Stainless Steel Part #
1-1/2"	40	HA0240
2"	50	HA0241
2-1/2"	65	HA0242
3"	80	HA0243

NOTE: Please visit dixonvalve.com for crimp recommendations.
To be used with DIN nuts on page 661

Crimp Male Stems

Size	DIN	316 Stainless Steel Part #
1-1/2"	40	HA0235
2"	50	HA0236
2-1/2"	65	HA0237
3"	80	HA0238

NOTE: Please visit dixonvalve.com for crimp recommendations.
To be used with Dixon sanitary style crimp ferrules on page 608.

Dixon Boss Sanitary Crimp Stems

Clamp End x Hose Shank

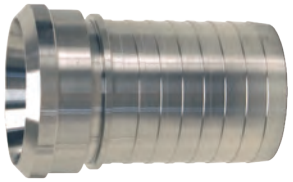
Features
- Sanitary style end
- Dixon® sanitary crimp stems are only to be used with Dixon sanitary stainless steel crimp ferrules on page 608
- Reference dixonvalve.com for crimp recommendations

Size	316 Stainless Steel Part #
1"	CSSR100-3A
1-1/2"	CSSR150-3A
2"	CSSR200-3A
2-1/2"	CSSR250
3"	CSSR300-3A
4"	CSSR400

Bevel Seat End x Hose Shank

Feature
- To be used with sanitary ferrules on page 608

Size	Nut Used	316 Stainless Steel Part #
1"	13H-G100	CBSR100
1-1/2"	IXAN24	CBSR150
2"	IXAN32	CBSR200
3"	IXAN300	CBSR300



Tube Weld End x Hose Shank

Feature
- To be used with sanitary ferrules on page 608

Size	316 Stainless Steel Part #
1-1/2"	CTER150
2"	CTER200
3"	CTER300
4"	CTER400

L

14-SHB-Series Hose Bumper

Feature
- Open design maintains clearance between the crimp stem and the bumper allowing for access to clean all surfaces of the stainless steel fitting and draining while providing complete protection to the sanitary tri-clamp ferrule

Materials
- Bumper: Polypropylene with an antimicrobial additive (FDA approved)
- Latch: EPDM (FDA approved)
- Crimp stem: AISI 316L

bumper extended

Size	Stem Material (Finish)	Stem Shank	Bumper Color	Connection	Assembly Kit Part #	Items Included
1"	316L stainless steel (32 Ra)	3A 62-02 conforming shank	blue	clamp	14BA-R10CX	(1) bumper
1-1/2"					14BA-R15CX	(1) latch
2"					14BA-R20CX	(1) crimp stem
3"					14BA-R30CX	

bumper retracted

NOTE: For non-standard kit configurations, contact Dixon Sanitary at 800.789.1718.

Dixon® Boss Sanitary Ferrules

Crimp Ferrules

Approval

- Ferrules have a surface finish of 63 or better

Hose I.D.	Hose O.D.		AISI 304 Stainless Steel Part #
	From	To	
1"	1-26/64"	1-28/64"	F16G-1453
	1-29/64"	1-31/64"	F16G-1500
	1-32/64"	1-34/64"	F16G-1547
	1-35/64"	1-37/64"	F16G-1594
	1-38/64"	1-40/64"	F16G-1641
	1-41/64"	1-43/64"	F16G-1687
	1-44/64"	1-46/64"	F16G-1734
	1-47/64"	1-49/64"	F16G-1781
1-1/2"	1-58/64"	1-61/64"	F24G-1969
	1-62/64"	2-1/64"	F24G-2031
	2-2/64"	2-5/64"	F24G-2094
	2-6/64"	2-9/64"	F24G-2156
	2-10/64"	2-13/64"	F24G-2219
	2-14/64"	2-17/64"	F24G-2281
	2-18/64"	2-21/64"	F24G-2344
	2-22/64"	2-25/64"	F24G-2406
2"	2-30/64"	2-33/64"	F32G-2531
	2-34/64"	2-37/64"	F32G-2594
	2-38/64"	2-41/64"	F32G-2656
	2-42/64"	2-45/64"	F32G-2719
	2-46/64"	2-48/64"	F32G-2766
	2-49/64"	2-51/64"	F32G-2815
	2-52/64"	2-55/64"	F32G-2875
	2-56/64"	2-59/64"	F32G-2938
	2-60/64"	2-63/64"	F32G-3000
	3"	3-3/64"	F32G-3063
	3-4/64"	3-7/64"	F32G-3125
2-1/2"	3"	3-3/64"	F40G-3063
	3-4/64"	3-7/64"	F40G-3125
	3-8/64"	3-11/64"	F40G-3188
	3-12/64"	3-15/64"	F40G-3250
	3-16/64"	3-19/64"	F40G-3313
	3-20/64"	3-23/64"	F40G-3375
	3-24/64"	3-26/64"	F40G3437
3"	3-36/64"	3-39/64"	F48G-3625
	3-40/64"	3-43/64"	F48G-3688
	3-44/64"	3-47/64"	F48G-3750
	3-48/64"	3-51/64"	F48G-3813
	3-52/64"	3-55/64"	F48G-3875
	3-56/64"	3-59/64"	F48G-3938
	3-61/64"	4"	F48G-4016
4"	4-40/64"	4-43/64"	F64G-4688
	4-44/64"	4-47/64"	F64G-4750
	4-48/64"	4-51/64"	F64G-4813
	4-52/64"	4-55/64"	F64G-4875
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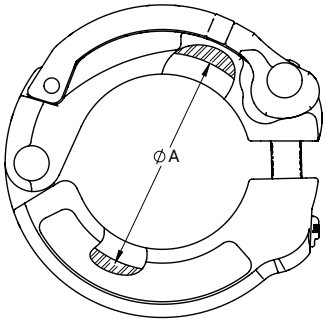
M

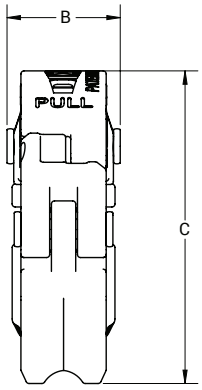
Clever Clamp®

Features

- Consistent compression of the gasket with every use – no concern for damage to gasket or creation of internal bacterial traps from improper compression
- Adjustable for both rubber and PTFE gasket styles
- Fast installation, no torquing tools required
- Threadless design, eliminates risk of damaged threads leading to improper tightening of the wingnut
- Lockout ready design
- Self-locking lever and color-coding options available

Dimensions





Tube O.D.	Service Pressure Rating PSI at 70°F (21°C)[1]	Service Pressure Rating PSI at 250°F (121°C)[1]	A (in)	B (in)	C (in)	304 Stainless Steel Part #	Clever Clamp with self locking pin 304 Stainless Steel Part #
1-1/2"	**500**	**300**	2.14	1.10	3.04	13SCC-100150	13SCC-100150L
2"	**450**	**250**	2.65	1.10	3.53	13SCC-200	13SCC-200L
3"	**350**	**175**	3.72	1.10	4.59	13SCC-300	13SCC-300L
4"	**300**	**150**	4.82	1.1	5.62	13SCC-400	13SCC-400L

[1] Service ratings are based on hydrostatic tests using standard-molded nitrile rubber, EPDM, FKM, and silicone material gaskets, with proper installation of ferrules, assembly of joints and absence of shock pressure or water hammer. Contact Dixon for service of other type and material gaskets. All ratings shown are dependent upon related components within the systems and proper installation of those components. For temperatures above **250°F**, we cannot provide service ratings. Before installation, testing must be done under the specific conditions of your application. Verify specific gasket material temperature ratings. This information is only applicable if Dixon clamps, ferrules, and gaskets are used. Dixon cannot guarantee the quality or integrity of other manufacturers' components.

Food Grade Silicone Color ID Bands – 25pcs/pack

Color	Part #
Red	13SCC-CB-R
Green	13SCC-CB-G
Blue	13SCC-CB-B
Yellow	13SCC-CB-Y

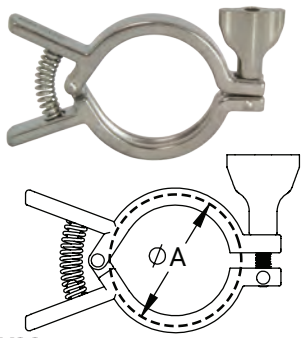
Clamps

Service pressure ratings are based on the following parameters: matching elastomer gaskets and weld ferrules properly aligned and assembled with the clamps tightened to the required torques. Tests are done hydrostatically with no water hammer or shock loads. Please note the pressure ratings of the described unions may be above the recommended pipe line operating pressures.

Single Pin Squeeze Clamps – 13MHHM-Q

Tube O.D.	Service Pressure Rating PSI at 70°F (21°C)[1]	Service Pressure Rating PSI at 250°F (121°C)[1]	A (in)	304 Stainless Steel Part #
1/2" – 3/4"	1500	1200	1.06	13MHHM-Q75
1" – 1-1/2"	500	300	2.12	13MHHM-Q100150
2"	450	250	2.65	13MHHM-Q200
2-1/2"	400	200	3.18	13MHHM-Q250
3"	350	175	3.72	13MHHM-Q300
4"	300	150	4.82	13MHHM-Q400

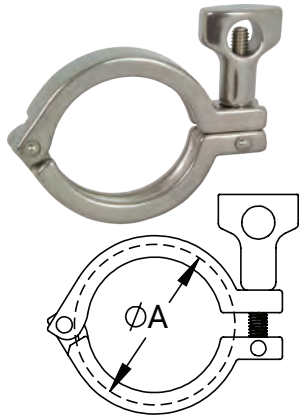
[1]Wing nut tightened to 25 in-lb of torque



Single Pin Heavy Duty Clamps with Cross Hole Wing Nut – 13MHHM

Tube O.D.	Service Pressure Rating PSI at 70°F (21°C)[1]	Service Pressure Rating PSI at 250°F (121°C)[1]	A (in)	304 Stainless Steel Part #
1/2" – 3/4"	1500	1200	1.06	13MHHM50-75
1" – 1-1/2"	500	300	2.12	13MHHM100-150
2"	450	250	2.65	13MHHM200
2-1/2"	400	200	3.19	13MHHM250
3"	350	175	3.72	13MHHM300
4"	300	150	4.82	13MHHM400
5"	225	100	5.82	13MHHM500
6"	150	75	6.69	13MHHM600
8"	100	50	8.69	13MHHM800

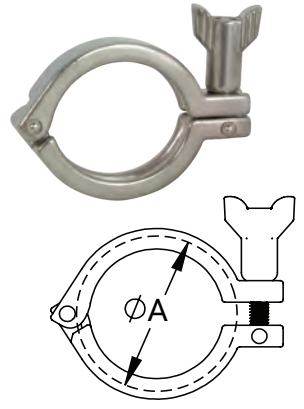
[1]Wing nut tightened to 25 in-lbs of torque



Single Pin Heavy Duty Clamps with Serrated Wing Nut – 13MHHM***SN

Tube O.D.	Service Pressure Rating PSI at 70°F (21°C)[1]	Service Pressure Rating PSI at 250°F (121°C)[1]	A (in)	304 Stainless Steel Part #
1/2" – 3/4"	1500	1200	1.06	13MHHM50-75SN
1" – 1-1/2"	500	300	2.12	13MHHM100-150SN
2"	450	250	2.65	13MHHM200SN
2-1/2"	400	200	3.19	13MHHM250SN
3"	350	175	3.72	13MHHM300SN
4"	300	150	4.82	13MHHM400SN
5"	225	100	5.82	13MHHM500SN
6"	150	75	6.70	13MHHM600SN
8"	100	50	8.70	13MHHM800SN

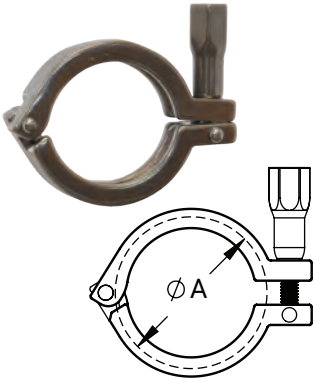
[1]Wing nut tightened to 25 in-lb of torque



Single Pin Heavy Duty Clamps with Hex Nut – 13MHHM***WNH

Tube O.D.	Service Pressure Rating PSI at 70°F (21°C)[1]	Service Pressure Rating PSI at 250°F (121°C)[1]	A (in)	304 Stainless Steel Part #
1/2" – 3/4"	1500	1200	1.06	13MHHM50-75WNH
1" – 1-1/2"	500	300	2.12	13MHHM100150WNH
2"	450	250	2.65	13MHHM200WNH
2-1/2"	400	200	3.19	13MHHM250WNH
3"	350	175	3.72	13MHHM300WNH
4"	300	150	4.82	13MHHM400WNH
5"	225	100	5.82	13MHHM500WNH
6"	150	75	6.70	13MHHM600WNH
8"	100	50	8.70	13MHHM800WNH

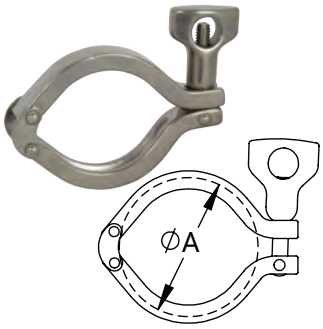
[1]Hex nut tightened to 25 in-lb of torque



M

Clamps

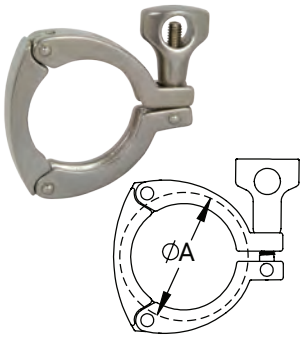
Double Pin Heavy Duty Clamps – 13MHHM-DP



Tube O.D.	Service Pressure Rating PSI at 70°F (21°C)[1]	Service Pressure Rating PSI at 250°F (121°C)[1]	A (in)	304 Stainless Steel Part #
1" – 1-1/2"	500	300	2.12	13MHHM-DP100150
2"	450	250	2.65	13MHHM-DP200
2-1/2"	400	200	3.19	13MHHM-DP250
3"	350	175	3.72	13MHHM-DP300
4"	300	150	4.82	13MHHM-DP400
10"	100	50	10.74	13MHHM-DP1000

[1]Wing nut tightened to 25 in-lb of torque

Three Segment Clamps – 13MHHM-3P

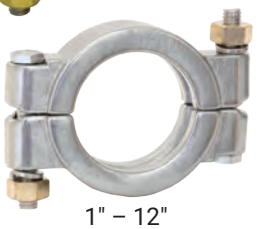


Tube O.D.	Service Pressure Rating PSI at 70°F (21°C)[1]	Service Pressure Rating PSI at 250°F (121°C)[1]	A (in)	304 Stainless Steel Part #
1" – 1-1/2"	600	300	2.12	13MHHM-3P100150
2"	550	275	2.65	13MHHM-3P200
2-1/2"	450	225	3.19	13MHHM-3P250
3"	350	175	3.72	13MHHM-3P300
4"	300	150	4.82	13MHHM-3P400
12"	75	50	12.74	13MHHM-3P1200

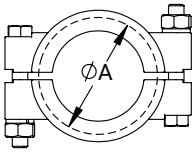
[1]Wing nut tightened to 25 in-lb of torque

Bolted Clamps – 13MHP

1/2" – 3/4"



1" – 12"



Tube O.D.	Service Pressure Rating PSI at 70°F (21°C)[1]	Service Pressure Rating PSI at 250°F (121°C)[1]	A (in)	304 Stainless Steel Part #
1/2" – 3/4"	1500	1200	1.06	13MHP75
1" – 1-1/2"			2.05	13MHP100-150
2"	1000	800	2.58	13MHP200
2-1/2"			3.11	13MHP250
3"			3.64	13MHP300
4"	800	600	4.74	13MHP400
5"	300	200	5.76	13MHP500
6"			6.63	13MHP600
8"	250	150	8.64	13MHP800
10"	200	125	10.74	13MHP1000
12"	150	100	12.74	13MHP1200

[1]All nuts are tightened to 20 ft-lb of torque

Toggle Clamps – 13MHLA

Tube O.D.	Service Pressure Rating PSI at 70°F (21°C)[1]	Service Pressure Rating PSI at 250°F (121°C)[1]	A (in)	304 Stainless Steel Part #
1" – 1-1/2"	150	125	2.12	13MHLA100-150
2"			2.65	13MHLA200
2-1/2"			3.19	13MHLA250
3"			3.72	13MHLA300
4"	100	75	4.82	13MHLA400

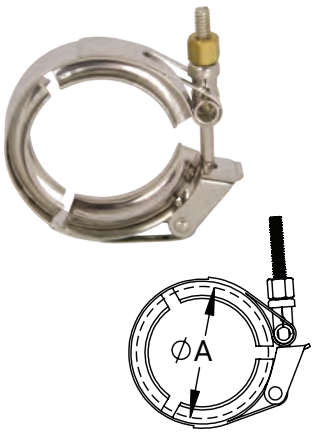
[1]Screw tightened to maximum

Clamps

T-bolt Clamps – 13MO

Tube O.D.	Service Pressure Rating PSI at 70°F (21°C)[1]	Service Pressure Rating PSI at 250°F (121°C)[1]	A (in)	304 Stainless Steel Part #
1" – 1-1/2"	**500**	**250**	2.08	13MO100-150
2"	**350**	**200**	2.61	13MO200
2-1/2"	**300**	**150**	3.14	13MO250
3"	**200**	**100**	3.67	13MO300
4"	**100**	**75**	4.78	13MO400
6"	**75**	**50**	6.69	13MO600
8" [2]	**50**	**40**	8.69	13MO800
10" [2]	**40**	**30**	10.69	13MO1000
12" [2]	**30**	**25**	12.69	13MO1200

[1] 1" - 3" nuts tightened to 20 in-lb, 4" to 30 in-lb, 6" to 40 in-lb, and 8" - 12" 50 in-lb of torque.
[2] 2-bolt configuration



Dairy Clamps – 13WGC

Tube O.D.	Service Pressure Rating PSI at 70°F (21°C)[1]	Service Pressure Rating PSI at 250°F (121°C)[1]	A (in)	304 Stainless Steel Part #
1" – 1-1/2"	**100**	**75**	2.08	13WGC100-150
2"			2.61	13WGC200
2-1/2"			3.14	13WGC250
3"			3.67	13WGC300
4"			4.78	13WGC400

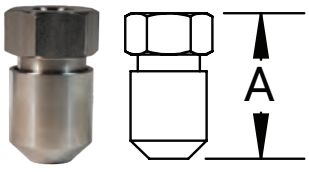
[1] Finger tight

M

Spring Loaded Nut – 13SLN

Applications
- Lines using PTFE gaskets that are subject to large temperature swings can benefit from this special product, as the PTFE is compressed through the cycling of the lines, the spring loaded nut will help keep the connection from leaking
- Ideal for use in high vibration applications where standard wing nuts can loosen and where bolted clamps are not an option

Specification
- Torque to 50 in-lb



Thread	A (in)	304 Stainless Steel Part #
5/16"-18	1.73	13SLN

NOTE: Can be used on all wing nut style clamps.

Accessories

Description	304 Stainless Steel Part #
cross hole wing nut 5/16"-18	13WNX

Description	304 Stainless Steel Part #
mini cross hole wing nut 5/16"-18 for 1/2" – 3/4" clamps	13WNXM

Description	304 Stainless Steel Part #
serrated wing nut 5/16"-18	13WNS

Description	304 Stainless Steel Part #
5/16"-18 wing nut 304 for Dixon brand squeeze clamps	13WNQ

Description	304 Stainless Steel Part #
hex nut 5/16"-18	13WNH

Description	Part #
brass 3/8"-16 nuts used on bolted clamps	13BNH

Description	304 Stainless Steel Part #
stainless steel hex nut for bolted clamps	13SN

Description	304 Stainless Steel Part #
3/8" 304 stainless steel lock washer	13LW

Description	304 Stainless Steel Part #
bolt 3/8"-16 x 2-1/4" for 1/2" – 1-1/2" bolted clamps	13CB-2.25
bolt 3/8"-16 x 2-3/4" for 2" and 2-1/2" bolted clamps	13CB-2.75
bolt 3/8"-16 x 3-1/4" for 3" – 12" bolted clamps	13CB-3.25

Description	304 Stainless Steel Part #
rivet pin for 1/2" – 5" single pin clamps 5/16" x 1"	13RP
rivet pin for 6" and 8" single pin clamps 5/16" x 1-1/8"	13RP6

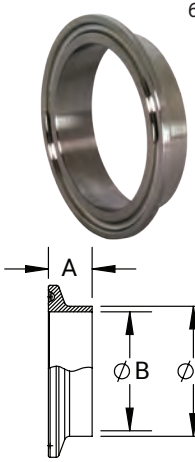
Description	304 Stainless Steel Part #
5/16"-18 x 2" threaded eye bolt for 1/2" – 5" clamps	13IB
5/16"-18 x 2-1/2" threaded eye bolt for 6" – 12" clamps	13IB6

M

Clamp Fittings – Ferrules

Short Weld Ferrules – 14WMP

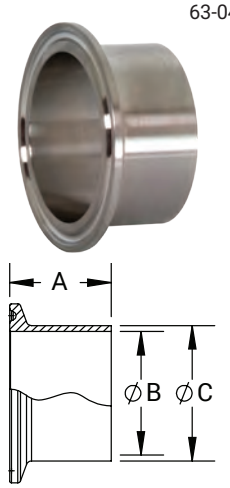
3-A 621
63-04



Tube O.D.	A (in)	B (in)	C (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	.50	.37	.50	14WMP-G50	14WMP-R50
3/4"		.62	.75	14WMP-G75	14WMP-R75
1"		.87	1.00	14WMP-G100	14WMP-R100
1-1/2"		1.37	1.50	14WMP-G150	14WMP-R150
2"		1.87	2.00	14WMP-G200	14WMP-R200
2-1/2"		2.37	2.50	14WMP-G250	14WMP-R250
3"		2.87	3.00	14WMP-G300	14WMP-R300
4"	.62	3.83	4.00	14WMP-G400	14WMP-R400
5"	.75	4.78	5.00	14WMP-G500	14WMP-R500
6"	.88	5.78	6.00	14WMP-G600	14WMP-R600
8"		7.78	8.00	14WMP-G800	14WMP-R800
10"		9.76	10.00	14WMP-G1000	14WMP-R1000
12"		11.76	12.00	14WMP-G1200	14WMP-R1200

Long Weld Ferrules – L14AM7

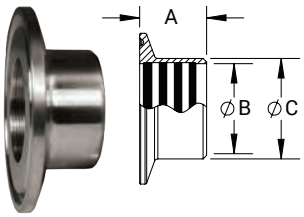
3-A 621
63-04



Tube O.D.	A (in)	B (in)	C (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	1.13	.37	.50	L14AM7-G50	L14AM7-R50
3/4"		.62	.75	L14AM7-G75	L14AM7-R75
1"		.87	1.00	L14AM7-G100	L14AM7-R100
1-1/2"		1.37	1.50	L14AM7-G150	L14AM7-R150
2"		1.87	2.00	L14AM7-G200	L14AM7-R200
2-1/2"		2.37	2.50	L14AM7-G250	L14AM7-R250
3"		2.87	3.00	L14AM7-G300	L14AM7-R300
4"		3.83	4.00	L14AM7-G400	L14AM7-R400
5"		4.78	5.00	L14AM7-G500	L14AM7-R500
6"	1.50	5.78	6.00	L14AM7-G600	L14AM7-R600
8"		7.78	8.00	L14AM7-G800	L14AM7-R800
10"	1.75	9.76	10.00	L14AM7-G1000	L14AM7-R1000
12"		11.76	12.00	L14AM7-G1200	L14AM7-R1200

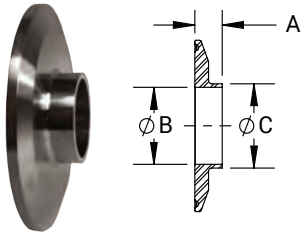
M

Reducing Roll-on Ferrules for Expanding – B31RMP



Clamp End	Tube O.D.	A (in)	B (in)	C (in)	304 Stainless Steel Part #
2"	1"	.75	1.00	1.16	B31RMP-G200100
2"	1-1/2"	1.13	1.50	1.68	B31RMP-G200150

Reducing Ferrules – B31WMP

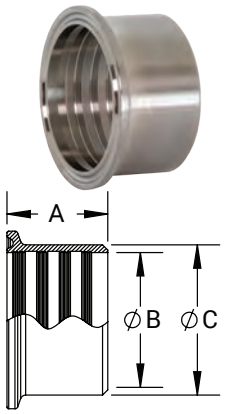


Tube O.D.	A (in)	B (in)	C (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
2" x 1"	.50	.87	1.00	B31WMP-G200100	B31WMP-R200100
2" x 1-1/2"		1.37	1.50	B31WMP-G200150	B31WMP-R200150
2-1/2" x 1-1/2"		1.37	1.50	B31WMP-G250150	B31WMP-R250150
2-1/2" x 2"		1.87	2.00	B31WMP-G250200	B31WMP-R250200
3" x 2"		1.87	2.00	B31WMP-G300200	B31WMP-R300200
3" x 2-1/2"		2.37	2.50	B31WMP-G300250	B31WMP-R300250
4" x 2"	.63	1.87	2.00	B31WMP-G400200	B31WMP-R400200
4" x 2-1/2"		2.37	2.50	B31WMP-G400250	B31WMP-R400250
4" x 3"		2.87	3.00	B31WMP-G400300	B31WMP-R400300

NOTE: Additional sizes available.

Clamp Fittings – Ferrules

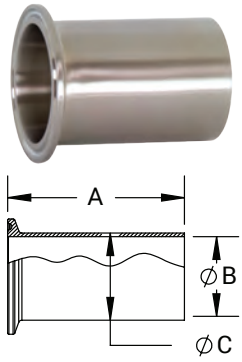
Roll-On Ferrules for Expanding – 14RMP



Tube O.D.	A (in)	B (in)	C (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	.75	1.01	1.16	14RMP-G100	14RMP-R100
1-1/2"	1.13	1.51	1.68	14RMP-G150	14RMP-R150
2"	1.31	2.01	2.19	14RMP-G200	14RMP-R200
2-1/2"	1.38	2.51	2.71	14RMP-G250	14RMP-R250
3"	1.44	3.01	3.22	14RMP-G300	14RMP-R300
4"	1.50	4.01	4.26	14RMP-G400	14RMP-R400
6"	2.00	6.01	6.26	14RMP-G600	---

3-A 621
63-04

Tank Ferrules (light duty) – 14WLMP



Tube O.D.	A (in)	B (in)	C (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	3.00	.87	1.00	14WLMP-G100	14WLMP-R100
1-1/2"		1.37	1.50	14WLMP-G150	14WLMP-R150
2"		1.87	2.00	14WLMP-G200	14WLMP-R200
2-1/2"		2.37	2.50	14WLMP-G250	14WLMP-R250
3"	4.00	2.87	3.00	14WLMP-G300	14WLMP-R300
4"		3.83	4.00	14WLMP-G400	14WLMP-R400
6"	6.00	5.78	6.00	14WLMP-G600	14WLMP-R600
8"		7.78	8.00	14WLMP-G800	14WLMP-R800
10"		9.76	10.00	---	14WLMP-R1000
12"		11.76	12.00	---	14WLMP-R1200

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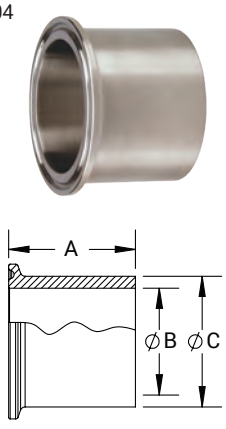
3-A 621
63-04

Tank Ferrules (heavy duty) – 14MPW



Tube O.D.	A (in)	B (in)	C (in)	316L Stainless Steel Part #
1/2"	1.63	.32	.50	14MPW-R50
3/4"		.57	.75	14MPW-R75
1"		.87	1.16	14MPW-R100
1-1/2"		1.37	1.68	14MPW-R150
2"	1.75	1.87	2.19	14MPW-R200
2-1/2"		2.37	2.71	14MPW-R250
3"	1.81	2.87	3.22	14MPW-R300
4"	2.13	3.83	4.26	14MPW-R400
6"	2.50	5.76	6.19	14MPW-R600
8"		7.76	8.19	14MPW-R800

Clamp Fittings – Elbows

90° Clamp Elbows – B2CMP

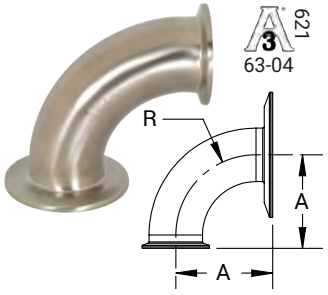
3-A 621
63-04

Tube O.D.	A (in)	R (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	1.63	1.13	---	B2CMP-R50
3/4"			---	B2CMP-R75
1/2"	3.50		---	B2CMPL-R50
3/4"			---	B2CMPL-R75
1"	2.00	1.50	B2CMP-G100	B2CMP-R100
1-1/2"	2.75	2.25	B2CMP-G150	B2CMP-R150
2"	3.50	3.00	B2CMP-G200	B2CMP-R200
2-1/2"	4.25	3.75	B2CMP-G250	B2CMP-R250
3"	5.00	4.50	B2CMP-G300	B2CMP-R300
4"	6.63	6.00	B2CMP-G400	B2CMP-R400
6"	9.88	9.00	B2CMP-G600	B2CMP-R600
8"	12.88	12.00	B2CMP-G800	B2CMP-R800
10"	15.88	15.00	B2CMP-G1000	---
12"	18.88	18.00	B2CMP-G1200	---

90° Non-Tapered Reducing Clamp Elbows – B2CM31MP

3-A 621
63-04

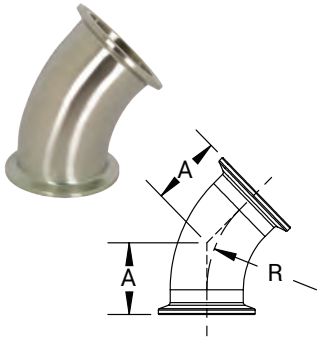
Tube O.D.	A (in)	R (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
2" x 1-1/2"	2.75	2.25	B2CM31MPG200150	B2CM31MPR200150
2-1/2" x 2"	3.50	3.00	B2CM31MPG250200	B2CM31MPR250200
3" x 2"			B2CM31MPG300200	B2CM31MPR300200
3" x 2-1/2"	4.25	3.75	B2CM31MPG300250	B2CM31MPR300250



45° Clamp Elbows – B2KMP

3-A 621
63-04

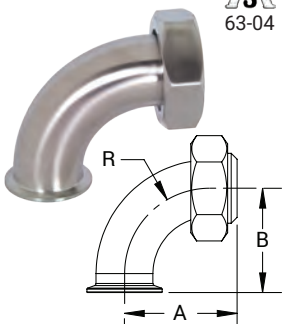
Tube O.D.	A (in)	R (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	.97	1.13	---	B2KMP-R50
3/4"			---	B2KMP-R75
1"	1.12	1.50	B2KMP-G100	B2KMP-R100
1-1/2"	1.44	2.25	B2KMP-G150	B2KMP-R150
2"	1.75	3.00	B2KMP-G200	B2KMP-R200
2-1/2"	2.06	3.75	B2KMP-G250	B2KMP-R250
3"	2.37	4.50	B2KMP-G300	B2KMP-R300
4"	3.13	6.00	B2KMP-G400	B2KMP-R400
6"	4.63	9.00	B2KMP-G600	B2KMP-R600
8"	5.85	12.00	B2KMP-G800	B2KMP-R800
10"	7.13	15.00	B2KMP-G1000	---
12"	8.38	18.00	B2KMP-G1200	---



90° Clamp x Plain Bevel Seat with Hex Nut Elbows – B2FMP-14

3-A 621
63-04

Tube O.D.	A (in)	B (in)	R (in)	304 Stainless Steel Part #
1"	2.22	2.00	1.50	B2FMP-14-G100
1-1/2"	2.97	2.75	2.25	B2FMP-14-G150
2"	3.75	3.50	3.00	B2FMP-14-G200
2-1/2"	4.63	4.25	3.75	B2FMP-14-G250
3"	5.41	5.00	4.50	B2FMP-14-G300
4"	7.03	6.63	6.00	B2FMP-14-G400



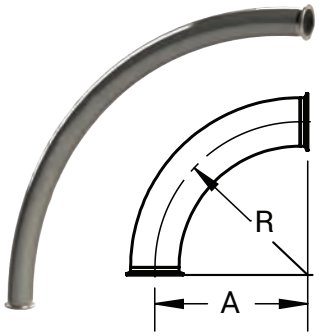
Clamp Sweep Elbows

Feature

- Standard comes without tangents; for tangents or 45° options, call Dixon Sanitary 800.789.1718

12" 90° Clamp Sweep Elbows – B2SXLMP

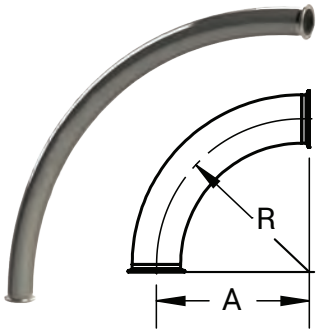
3-A 621
63-04



Tube O.D.	A (in)	R (in)	316L Stainless Steel Part #
1-1/2"	12.00	12.00	B2SXLMP12-R150
2"			B2SXLMP12-R200
2-1/2"			B2SXLMP12-R250
3"			B2SXLMP12-R300
4"			B2SXLMP12-R400

18" 90° Clamp Sweep Elbows – B2SXLMP

3-A 621
63-04



Tube O.D.	A (in)	R (in)	316L Stainless Steel Part #
1-1/2"	18.00	18.00	B2SXLMP18-R150
2"			B2SXLMP18-R200
2-1/2"			B2SXLMP18-R250
3"			B2SXLMP18-R300
4"			B2SXLMP18-R400

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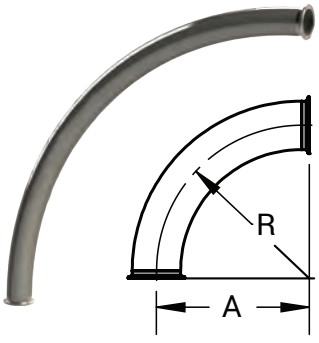
24" 90° Clamp Sweep Elbows – B2SXLMP

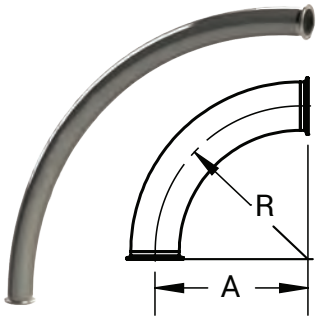
3-A 621
63-04



Tube O.D.	A (in)	R (in)	316L Stainless Steel Part #
1-1/2"	24.00	24.00	B2SXLMP24-R150
2"			B2SXLMP24-R200
2-1/2"			B2SXLMP24-R250
3"			B2SXLMP24-R300
4"			B2SXLMP24-R400

36" 90° Clamp Sweep Elbows – B2SXLMP

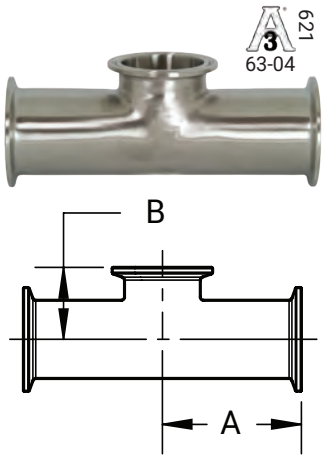
3-A 621
63-04



Tube O.D.	A (in)	R (in)	316L Stainless Steel Part #
3"	36.00	36.00	B2SXLMP36-R300
4"			B2SXLMP36-R400
6"			B2SXLMP36-R600

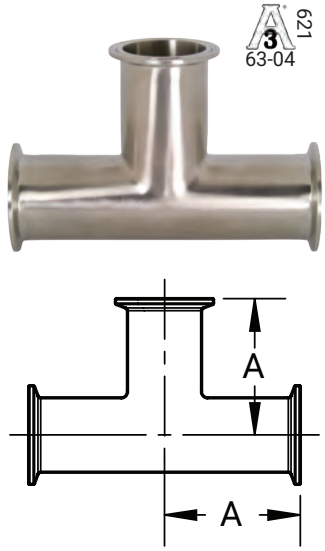
Clamp Fittings – Tees

Short Outlet Tees – B7MPS



Tube O.D.	A (in)	B (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	2.38	1.13	B7MPS-G100	B7MPS-R100
1-1/2"	2.75	1.38	B7MPS-G150	B7MPS-R150
2"	3.50	1.63	B7MPS-G200	B7MPS-R200
2-1/2"	3.50	1.88	B7MPS-G250	B7MPS-R250
3"	3.75	2.13	B7MPS-G300	B7MPS-R300
4"	4.50	2.75	B7MPS-G400	B7MPS-R400

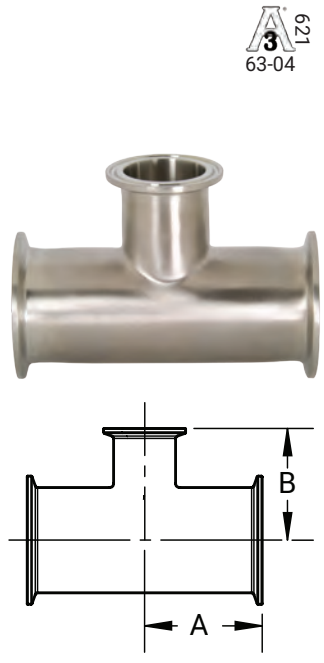
Clamp Tees – B7MP



Tube O.D.	A (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	2.38	---	B7MP-R50
3/4"	2.50	---	B7MP-R75
1"	2.38	B7MP-G100	B7MP-R100
1-1/2"	2.75	B7MP-G150	B7MP-R150
2"	3.50	B7MP-G200	B7MP-R200
2-1/2"	3.50	B7MP-G250	B7MP-R250
3"	3.75	B7MP-G300	B7MP-R300
4"	4.50	B7MP-G400	B7MP-R400
6"	6.50	B7MP-G600	B7MP-R600
8"	7.88	B7MP-G800	B7MP-R800
10"	9.38	B7MP-G1000	---
12"	10.88	B7MP-G1200	---

M

Clamp Reducing Tees – B7RMP

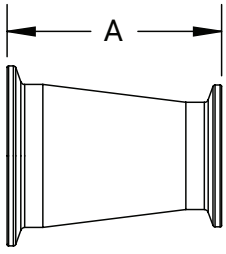


Tube O.D.	A (in)	B (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
3/4" x 1/2"	2.50	2.50	---	B7RMP-R7550
1" x 1/2"	2.63	2.63	---	B7RMP-R10050
1" x 3/4"			---	B7RMP-R10075
1-1/2" x 1/2"	2.88	2.88	---	B7RMP-R15050
1-1/2" x 3/4"			---	B7RMP-R15075
1-1/2" x 1"	2.16	1.88	B7RMP-G150100	B7RMP-R150100
2" x 1/2"	3.38	3.13	---	B7RMP-R20050
2" x 3/4"			---	B7RMP-R20075
2" x 1"	2.56	2.13	B7RMP-G200100	B7RMP-R200100
2" x 1-1/2"		2.41	B7RMP-G200150	B7RMP-R200150
2-1/2" x 1-1/2"	2.84	2.66	B7RMP-G250150	B7RMP-R250150
2-1/2" x 2"		2.81	B7RMP-G250200	B7RMP-R250200
3" x 1-1/2"	3.09	2.91	B7RMP-G300150	B7RMP-R300150
3" x 2"		3.06	B7RMP-G300200	B7RMP-R300200
3" x 2-1/2"		3.09	B7RMP-G300250	B7RMP-R300250
4" x 1-1/2"	4.06	3.41	B7RMP-G400150	B7RMP-R400150
4" x 2"		3.56	B7RMP-G400200	B7RMP-R400200
4" x 2-1/2"		3.59	B7RMP-G400250	B7RMP-R400250
4" x 3"			B7RMP-G400300	B7RMP-R400300

Clamp Reducers

3-A 621
63-04

Clamp Concentric Reducers – B3114MP



Tube O.D.	A (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
3/4" x 1/2"	2.00	---	B3114MP-R7550
1" x 1/2"	3.00	---	B3114MP-R10050
1" x 3/4"	2.00	---	B3114MP-R10075
1-1/2" x 1/2"	5.00	---	B3114MP-R15050
1-1/2" x 3/4"	4.00	---	B3114MP-R15075
1-1/2" x 1"	3.00	B3114MP-G150100	B3114MP-R150100
2" x 1/2"	7.00	---	B3114MP-R20050
2" x 3/4"	6.00	---	B3114MP-R20075
2" x 1"	5.00	B3114MP-G200100	B3114MP-R200100
2" x 1-1/2"	3.00	B3114MP-G200150	B3114MP-R200150
2-1/2" x 1-1/2"	5.00	B3114MP-G250150	B3114MP-R250150
2-1/2" x 2"	3.00	B3114MP-G250200	B3114MP-R250200
3" x 1"	9.00	B3114MP-G300100	B3114MP-R300100
3" x 1-1/2"	7.00	B3114MP-G300150	B3114MP-R300150
3" x 2"	5.00	B3114MP-G300200	B3114MP-R300200
3" x 2-1/2"	3.00	B3114MP-G300250	B3114MP-R300250
4" x 1-1/2"	11.13	B3114MP-G400150	B3114MP-R400150
4" x 2"	9.13	B3114MP-G400200	B3114MP-R400200
4" x 2-1/2"	7.13	B3114MP-G400250	B3114MP-R400250
4" x 3"	5.13	B3114MP-G400300	B3114MP-R400300
6" x 2"	6.88	B3114MP-G600200	B3114MP-R600200
6" x 3"	6.88	B3114MP-G600300	B3114MP-R600300
6" x 4"	7.00	B3114MP-G600400	B3114MP-R600400
8" x 4"	7.50	B3114MP-G800400	B3114MP-R800400
8" x 6"	7.75	B3114MP-G800600	B3114MP-R800600

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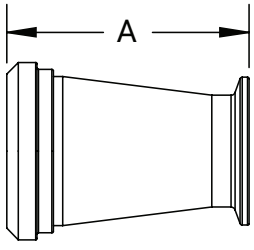
3-A 621
63-04

Plain Bevel Seat x Clamp Concentric Reducers – B14C31



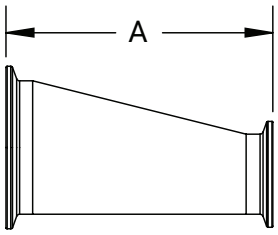
Tube O.D.	A (in)	304 Stainless Steel Part #
2" x 1-1/2"	3.25	B14C31-G200150
2-1/2" x 2"	3.38	B14C31-G250200
3" x 1-1/2"	7.41	B14C31-G300150
3" x 2"	5.41	B14C31-G300200
3" x 2-1/2"	3.41	B14C31-G300250

NOTE: Other sizes available upon request.

Clamp Reducers

Clamp Eccentric Reducers – B3214MP

Tube O.D.	A (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
3/4" x 1/2"	2.00	---	B3214MP-R7550
1" x 1/2"	3.00	---	B3214MP-R10050
1" x 3/4"	2.00	---	B3214MP-R10075
1-1/2" x 1/2"	5.00	---	B3214MP-R15050
1-1/2" x 3/4"	4.00	---	B3214MP-R15075
1-1/2" x 1"	3.00	B3214MP-G150100	B3214MP-R150100
2" x 1/2"	7.00	---	B3214MP-R20050
2" X 3/4"	6.00	---	B3214MP-R20075
2" x 1"	5.00	B3214MP-G200100	B3214MP-R200100
2" x 1-1/2"	3.00	B3214MP-G200150	B3214MP-R200150
2-1/2" x 1-1/2"	5.00	B3214MP-G250150	B3214MP-R250150
2-1/2" x 2"	3.00	B3214MP-G250200	B3214MP-R250200
3" x 1"	9.00	B3214MP-G300100	B3214MP-R300100
3" x 1-1/2"	7.00	B3214MP-G300150	B3214MP-R300150
3" x 2"	5.00	B3214MP-G300200	B3214MP-R300200
3" x 2-1/2"	3.00	B3214MP-G300250	B3214MP-R300250
4" x 1-1/2"	11.13	B3214MP-G400150	B3214MP-R400150
4" x 2"	9.13	B3214MP-G400200	B3214MP-R400200
4" x 2-1/2"	7.13	B3214MP-G400250	B3214MP-R400250
4" x 3"	5.13	B3214MP-G400300	B3214MP-R400300
6" x 3"	6.88	B3214MP-G600300	B3214MP-R600300
6" x 4"	7.00	B3214MP-G600400	B3214MP-R600400
8" x 4"	7.50	B3214MP-G800400	B3214MP-R800400



NOTE: Other sizes available upon request.

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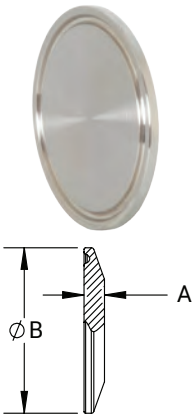
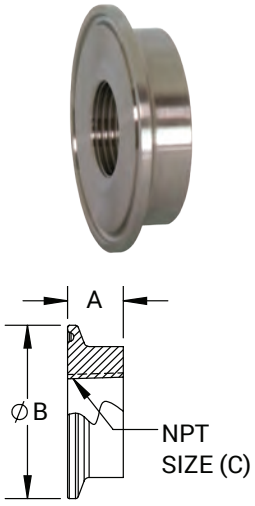
Clamp Fittings – Caps

3-A 621
63-04



Solid End Caps – 16AMP

Tube O.D.	A (in)	B (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2" – 3/4"	.25	.99	16AMP-G50-75	16AMP-R50-75
1" – 1-1/2"		1.98	16AMP-G100-150	16AMP-R100-150
2"		2.52	16AMP-G200	16AMP-R200
2-1/2"		3.05	16AMP-G250	16AMP-R250
3"		3.58	16AMP-G300	16AMP-R300
4"	.31	4.68	16AMP-G400	16AMP-R400
5"	.38	5.69	16AMP-G500	16AMP-R500
6"	.44	6.56	16AMP-G600	16AMP-R600
8"		8.60	16AMP-G800	16AMP-R800
10"		1.57	16AMP-G1000	16AMP-R1000
12"		12.57	16AMP-G1200	16AMP-R1200



Thermometer Caps – B23BMP

Tube O.D.	A (in)	B (in)	C[1] (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	.50	.99	1/4"	---	B23BMP-R5014
3/4"			1/4"	---	B23BMP-R7514
1"	.63	1.98	1/2"	B23BMP-G100	B23BMP-R100
1-1/2"			1/4"	---	B23BMP-R15025
			1/2"	B23BMP-G15050	B23BMP-R15050
			3/4"	B23BMP-G150	B23BMP-R150
2"		2.52	1/4"	---	B23BMP-R20025
			1/2"	B23BMP-G20050	B23BMP-R20050
			3/4"	B23BMP-G200	B23BMP-R200
			1"	---	B23BMP-R200100
			1-1/2"	---	B23BMP-R200150
2-1/2"		3.05	3/4"	B23BMP-G250	B23BMP-R250
3"		3.58	1/4"	B23BMP-G30025	B23BMP-R30025
			1/2"	B23BMP-G30050	B23BMP-R30050
			3/4"	B23BMP-G300	B23BMP-R300
			1"	B23BMP-G300100	B23BMP-R300100
			2"	B23BMP-G300200	B23BMP-R300200
4"		4.68	3/4"	B23BMP-G400	B23BMP-R400

[1]Other NPT tap sizes available; call Dixon Sanitary at 800.789.1718.

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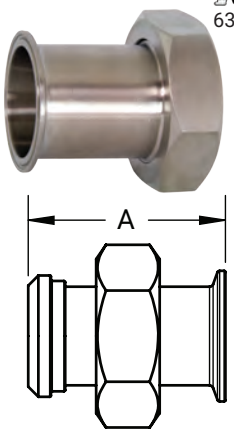
Clamp Adapters

Clamp x Plain Bevel Seat Adapters with Hex Nut – 17MP-14

3A 621 63-04

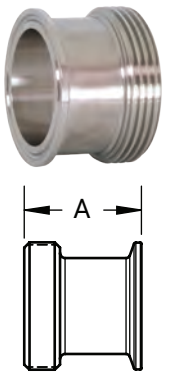
Tube O.D.	A (in)	304 Stainless Steel Part #
1"	3.00	17MP-14-G100
1-1/2"		17MP-14-G150
2"		17MP-14-G200
2-1/2"	3.50	17MP-14-G250
3"	3.75	17MP-14-G300
4"	4.00	17MP-14-G400



Clamp x Threaded Bevel Seat Adapters – 17MP-15

3A 621 63-04

Tube O.D.	A (in)	304 Stainless Steel Part #
1"	1.84	17MP-15-G100
1-1/2"		17MP-15-G150
2"	1.88	17MP-15-G200
2-1/2"	2.00	17MP-15-G250
3"	2.03	17MP-15-G300
4"	2.16	17MP-15-G400



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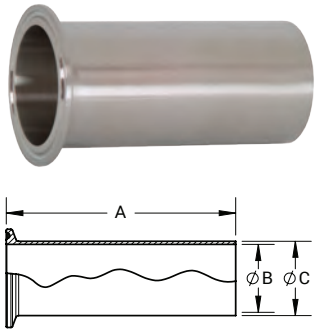
Tygon® Hose Adapters – 14MPHT

3A 621 63-04

Tube O.D.	A (in)	B (in)	C (in)	316L Stainless Steel Part #
1/2"	4.00	.37	.50	14MPHT-R50
3/4"		.62	.75	14MPHT-R75
1"	4.50	.87	1.00	14MPHT-R100
1-1/2"		1.37	1.50	14MPHT-R150
2"		1.87	2.00	14MPHT-R200
2-1/2"		2.37	2.50	14MPHT-R250
3"		2.87	3.00	14MPHT-R300
4"	4.63	3.83	4.00	14MPHT-R400
6"	6.00	5.88	6.00	14MPHT-R600

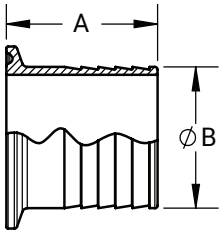


1. Make sure the I.D. of the hose is slightly bigger than the O.D. of the fitting.
2. Insert 14MPHT fitting into the I.D. of the hose, so that the hose is 1/2" away from the clamp connection.
3. Use a band clamp to secure the hose to the 14MPHT.

NOTE: 3A certification is for fitting alone. The fitting attached to a hose does not retain the 3A certification nor does it make the hose assembly 3A certified.

Clamp Fittings – Adapters

Rubber Hose Adapters – 14MPHR



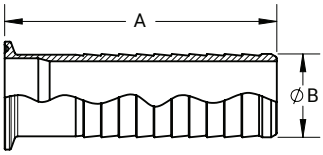
Tube O.D.	Hose Size	A (in)	B (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	1/8"	1.25	.15	---	14MPHR-R50125
	1/4"	1.50	.29	---	14MPHR-R5025
	3/8"		.42	---	14MPHR-R50375
	1/2"		.54	---	14MPHR-R50
	3/4"		.79	---	14MPHR-R5075
3/4"	1/8"		.15	---	14MPHR-R75125
	1/4"		.29	---	14MPHR-R7525
	3/8"		.42	---	14MPHR-R75375
	1/2"		.54	---	14MPHR-R7550
	3/4"		.79	---	14MPHR-R75
	5/8"		.67	---	14MPHR-R75625
1"	1/4"	1.69	.29	---	14MPHR-R10025
	3/8"	1.50	.42	14MPHR-G100375	14MPHR-R100375
	1/2"		.54	14MPHR-G10050	14MPHR-R10050
	3/4"	1.69	.79	14MPHR-G10075	14MPHR-R10075
	1"		1.04	14MPHR-G100	14MPHR-R100
1-1/2"	1/8"	1.50	.17	14MPHR-G150125	14MPHR-R150125
	1/4"		.29	---	14MPHR-R15025
	3/8"		.42	14MPHR-G150375	14MPHR-R150375
	1/2"		.54	14MPHR-G15050	14MPHR-R15050
	5/8"		.79	14MPHR-G150625	14MPHR-R150625
	3/4"		.67	14MPHR-G15075	14MPHR-R15075
	1"	1.69	1.04	14MPHR-G150100	14MPHR-R150100
	1-1/4"		1.29	---	14MPHR-R150-125
	1-1/2"		1.54	14MPHR-G150	14MPHR-R150
2"	1/8"	2.31	.17	14MPHR-G200125	14MPHR-R200125
	1/2"		.54	---	14MPHR-R20050
	5/8"		.67	14MPHR-G200625	---
	3/4"		.79	14MPHR-G20075	14MPHR-R20075
	1"		1.04	14MPHR-G200100	---
	1-1/2"		1.54	14MPHR-G200150	14MPHR-R200150
	2"		2.04	14MPHR-G200	14MPHR-R200
2-1/2"	1"	2.34	1.04	14MPHR-G250100	---
	2-1/2"		2.54	14MPHR-G250	14MPHR-R250
3"	3"	3.09	3.04	14MPHR-G300	14MPHR-R300
4"	3"	3.41	3.04	---	14MPHR-R400300
	4"		4.04	14MPHR-G400	14MPHR-R400
6"	6"		6.04	14MPHR-G600	14MPHR-R600
8"	8"		8.04	14MPHR-G800	14MPHR-R800
10"	10"	3.40	1.04	14MPHR-G1000	---

1. Make sure the I.D. of the hose is slightly bigger than the O.D. of the fitting.
2. Insert 14MPHR fitting into the I.D. of the hose, so that the hose is 1/2" away from the clamp connection.
3. Use a band clamp to secure the hose to the 14MPHR.

Brewery Hose Barb Adapters – 14MPHRL

Application

- Suitable for use with band clamps



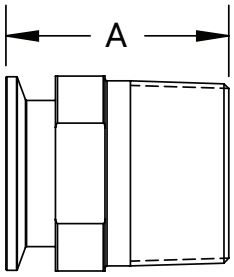
Size	A (in)	B (in)	304 Stainless Steel Part #
1/2"	3.35	.53	14MPHRL50
3/4"		.81	14MPHRL75
1"	3.50	1.05	14MPHRL100
1-1/2"	5.00	1.55	14MPHRL150
2"		2.05	14MPHRL200
2-1/2"	5.50	2.55	14MPHRL250
3"		3.05	14MPHRL300
4"		4.05	14MPHRL400
6"		6.05	14MPHRL600

NOTE: Use of PVC tubing requires special techniques to prevent leakage. All assembly work must be done with heated tube. Cold durometer is 90 as opposed to rubber hose at 65 to 70 durometer. Banding buckles must be at 180° from one another.

Clamp Fittings – Adapters

Male NPT Adapters – 21MP

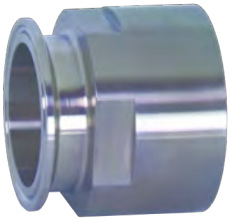
Tube O.D.	NPT Size	A (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	1/8"	2.00	---	21MP-R50125
	1/4"		---	21MP-R5025
	3/8"		---	21MP-R50375
	1/2"	1.63	---	21MP-R50
	3/4"	2.00	---	21MP-R5075
3/4"	1/4"		---	21MP-R7525
	3/8"		---	21MP-R75375
	1/2"		---	21MP-R7550
	3/4"	1.79	---	21MP-R75
	1"	2.25	---	21MP-R75100
1"	1/8"	2.19	21MP-G100-125	21MP-R100-125
	1/4"	2.16	21MP-G10025	21MP-R10025
	3/8"		21MP-G100375	21MP-R100375
	1/2"	2.19	21MP-G10050	21MP-R10050
	3/4"		21MP-G10075	21MP-R10075
	1"	2.25	21MP-G100	21MP-R100
	1-1/4"	2.44	21MP-G100125	21MP-R100125
	1-1/2"		21MP-G100150	21MP-R100150
	2"	2.63	21MP-G100200	21MP-R100200
1-1/2"	1/4"	2.16	21MP-G15025	21MP-R15025
	3/8"		21MP-G150375	21MP-R150375
	1/2"	2.19	21MP-G15050	21MP-R15050
	3/4"		21MP-G15075	21MP-R15075
	1"	2.44	21MP-G150100	21MP-R150100
	1-1/4"		21MP-G150125	21MP-R150125
	1-1/2"	2.25	21MP-G150	21MP-R150
	2"	2.63	21MP-G150200	21MP-R150200
	2-1/2"	3.28	21MP-G150250	21MP-R150250
2"	1/4"	2.47	---	21MP-R20025
	1/2"	2.19	21MP-G20050	21MP-R20050
	3/4"		21MP-G20075	21MP-R20075
	1"	2.47	21MP-G200100	21MP-R200100
	1-1/4"		21MP-G200125	21MP-R200125
	1-1/2"	2.63	21MP-G200150	21MP-R200150
	2"	2.64	21MP-G200	21MP-R200
	2-1/2"	3.13	21MP-G200250	21MP-R200250
	3"	3.50	21MP-G200300	21MP-R200300
	4"		21MP-G200400	21MP-R200400
2-1/2"	1/2"	2.78	21MP-G25050	21MP-R25050
	1"		21MP-G250100	21MP-R250100
	1-1/2"		21MP-G250150	21MP-R250150
	2"		21MP-G250200	21MP-R250200
	2-1/2"	2.88	21MP-G250	21MP-R250
	3"	3.69	21MP-G250300	21MP-R250300
3"	1"	3.00	21MP-G300100	21MP-R300100
	1-1/2"		21MP-G300150	21MP-R300150
	2"		21MP-G300200	21MP-R300200
	2-1/2"		21MP-G300250	21MP-R300250
	3"	3.07	21MP-G300	21MP-R300
	4"	3.50	21MP-G300400	21MP-R300400
4"	3"	3.81	21MP-G400300	21MP-R400300
	4"	3.16	21MP-G400	21MP-R400
6"	6"	4.50	21MP-G600	21MP-R600
8"	8"	3.75	21MP-G800	---

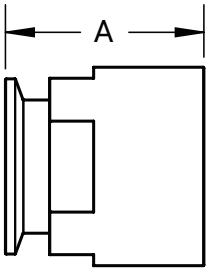


M

Clamp Fittings – Adapters

Female NPT Adapters – 22MP





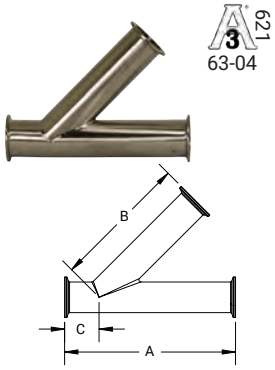
M

Tube O.D.	NPT Size	A (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	1/8"	1.25	---	22MP-R50-125
	1/4"	1.50	---	22MP-R5025
	3/8"		---	22MP-R50375
	1/2"		---	22MP-R50
	3/4"	1.63	---	22MP-R5075
	1"		---	22MP-R50100
	1-1/2"	2.25	---	22MP-R50150
	2"		---	22MP-R50200
3/4"	1/8"	1.25	---	22MP-R75125
	1/4"	1.50	---	22MP-R7525
	3/8"		---	22MP-R75375
	1/2"		---	22MP-R7550
	3/4"	1.63	---	22MP-R75
	1"		---	22MP-R75100
1"	1/8"		22MP-G100-125	22MP-R100-125
	1/4"		22MP-G10025	22MP-R10025
	3/8"		22MP-G100375	22MP-R100375
	1/2"		22MP-G10050	22MP-R10050
	3/4"		22MP-G10075	22MP-R10075
	1"		22MP-G100	22MP-R100
	1-1/4"		22MP-G100125	22MP-R100125
	1-1/2"		22MP-G100150	22MP-R100150
	2"		22MP-G100200	22MP-R100200
1-1/2"	1/8"		22MP-G150-125	22MP-R150-125
	1/4"		22MP-G15025	22MP-R15025
	3/8"		22MP-G150375	22MP-R150375
	1/2"		22MP-G15050	22MP-R15050
	3/4"		22MP-G15075	22MP-R15075
	1"		22MP-G150100	22MP-R150100
	1-1/4"	2.25	22MP-G150125	22MP-R150125
	1-1/2"		22MP-G150	22MP-R150
	2"		22MP-G150200	22MP-R150200
	2-1/2"	2.50	22MP-G150250	---
	3"		---	22MP-R150300
2"	1/4"	1.69	22MP-G20025	22MP-R20025
	1/2"		22MP-G20050	22MP-R20050
	3/4"		22MP-G20075	22MP-R20075
	1"		22MP-G200100	22MP-R200100
	1-1/4"		22MP-G200125	22MP-R200125
	1-1/2"	1.66	22MP-G200150	22MP-R200150
	2"	2.34	22MP-G200	22MP-R200
	2-1/2"	2.41	22MP-G200250	22MP-R200250
	3"		22MP-G200300	22MP-R200300
	4"	2.91	22MP-G200400	---
2-1/2"	3/4"	1.31	22MP-G25075	22MP-R25075
	1"		22MP-G250100	22MP-R250100
	1-1/2"	1.66	22MP-G250150	22MP-R250150
	2"	1.72	22MP-G250200	22MP-R250200
	2-1/2"	2.09	22MP-G250	22MP-R250
	3"	2.19	22MP-G250300	22MP-R250300
3"	1"		22MP-G300100	22MP-R300100
	1-1/2"		22MP-G300150	22MP-R300150
	2"		22MP-G300200	22MP-R300200
	2-1/2"		22MP-G300250	---
	3"		22MP-G300	22MP-R300
4"	1-1/2"		22MP-G400150	22MP-R400150
	2"		22MP-G400200	22MP-R400200
	2-1/2"		22MP-G400250	22MP-R400250
	3"		22MP-G400300	22MP-R400300
	4"	2.63	22MP-G400	22MP-R400
	6"	3.25	22MP-G400600	22MP-R400600

Laterals, Wyes, Crosses, Bends, and Flanges

Clamp Laterals – B28AMP

Tube O.D.	A (in)	B (in)	C (in)	316L Stainless Steel Part #
1"	7.00	5.50	1.50	B28AMP-R100
1-1/2"	8.38	6.69	1.69	B28AMP-R150
2"	9.75	7.63	2.13	B28AMP-R200
2-1/2"	11.00	9.00	2.00	B28AMP-R250
3"	11.75	9.38	2.38	B28AMP-R300
4"	14.06	11.31	2.64	B28AMP-R400
6"	19.75	15.38	4.38	B28AMP-R600



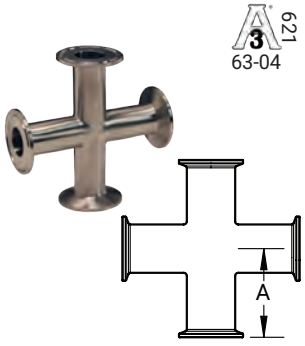
Clamp True Wyes – B28BMP

Tube O.D.	A (in)	B (in)	316L Stainless Steel Part #
1"	2.71	3.15	B28BMP-R100
1-1/2"	2.81	3.25	B28BMP-R150
2"	3.54	4.16	B28BMP-R200
2-1/2"	4.39	5.14	B28BMP-R250
3"	5.12	6.00	B28BMP-R300
4"	6.83	7.03	B28BMP-R400
6"	3.12	7.62	B28BMP-R600

NOTE: Other sizes available upon request.

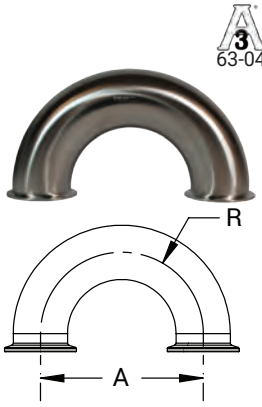
Clamp Crosses – B9MP

Tube O.D.	A (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	2.38	B9MP-G100	B9MP-R100
1-1/2"	2.75	B9MP-G150	B9MP-R150
2"	3.50	B9MP-G200	B9MP-R200
2-1/2"	3.50	B9MP-G250	B9MP-R250
3"	3.75	B9MP-G300	B9MP-R300
4"	4.50	B9MP-G400	B9MP-R400



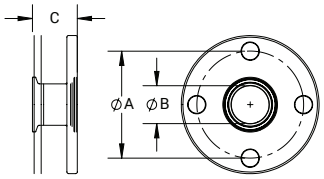
Clamp 180° Return Bends – B2WUMP

Tube O.D.	A (in)	R (in)	316L Stainless Steel Part #
1"	3.00	1.50	B2WUMP-R100
1-1/2"	4.50	2.25	B2WUMP-R150
2"	6.00	3.00	B2WUMP-R200
2-1/2"	7.50	3.75	B2WUMP-R250
3"	9.00	4.50	B2WUMP-R300
4"	12.00	6.00	B2WUMP-R400



M

Laterals, Wyes, Crosses, Bends, and Flanges



Clamp x 150# Flange Adapters – B38MP

Tube O.D.	A (in)	B (in)	C (in)	Number and Diameter Bolt Holes	316L Stainless Steel Part #
1"	3.13	.87	1.63	4/.625	B38MP-R100
1-1/2"	3.88	1.37	1.63	4/.625	B38MP-R150
2"	4.75	1.87	1.75	4/.750	B38MP-R200
2-1/2"	5.50	2.37	1.75	4/.750	B38MP-R250
3"	6.00	2.87	1.75	4/.750	B38MP-R300
4"	7.50	3.83	1.75	8/.750	B38MP-R400
6"	9.50	5.78	2.13	8/.750	B38MP-R600

Clamp End Protection Covers – BCC

Application

- Use these covers to protect all clamp ends on fittings, valves, filters, and pumps

Size	Vinyl Plastic Blue Part #	Vinyl Plastic Red Part #
1/2"	BCC-050	BCCR-050
3/4"	BCC-075	BCCR-075
1"	BCC-100	BCCR-100
1-1/2"	BCC-150	BCCR-150
2"	BCC-200	BCCR-200
2-1/2"	BCC-250	BCCR-250
3"	BCC-300	BCCR-300
4"	BCC-400	BCCR-400
6"	BCC-600	BCCR-600
8"	BCC-800	---

Sanitary Spools

3-A 621
63-04

Sanitary spools are pre-fabricated lengths of stainless steel tubing with sanitary fittings welded to the ends.

Applications
- Sanitary process lines can be built without having to use on-site fabrication or welding
- OEM skid packages that have predetermined spool specifications: Tube O.D. and length, end connections, and finish

Sizes
- 1/2" – 4" tube O.D.

Features
- Clamp connection, standard
- Will fabricate to customer drawings
- Customer part number/logo can be laser etched on each spool

Materials
- 304 or 316L stainless steel
- Surface finish: Internal product contact surface finish ≤ 32Ra

Clamp end

Weld end

Size	Material	12" Part #	18" Part #	24" Part #	36" Part #	48" Part #
1-1/2"	304 stainless steel	S15CC012.000GC	S15CC018.000GC	S15CC024.000GC	S15CC036.000GC	S15CC048.000GC
2"		S20CC012.000GC	S20CC018.000GC	S20CC024.000GC	S20CC036.000GC	S20CC048.000GC
2-1/2"		S25CC012.000GC	S25CC018.000GC	S25CC024.000GC	S25CC036.000GC	S25CC048.000GC
3"		S30CC012.000GC	S30CC018.000GC	S30CC024.000GC	S30CC036.000GC	S30CC048.000GC
4"		S40CC012.000GC	S40CC018.000GC	S40CC024.000GC	S40CC036.000GC	S40CC048.000GC
1-1/2"	316L stainless steel	S15CC012.000RC	S15CC018.000RC	S15CC024.000RC	S15CC036.000RC	S15CC048.000RC
2"		S20CC012.000RC	S20CC018.000RC	S20CC024.000RC	S20CC036.000RC	S20CC048.000RC
2-1/2"		S25CC012.000RC	S25CC018.000RC	S25CC024.000RC	S25CC036.000RC	S25CC048.000RC
3"		S30CC012.000RC	S30CC018.000RC	S30CC024.000RC	S30CC036.000RC	S30CC048.000RC
4"		S40CC012.000RC	S40CC018.000RC	S40CC024.000RC	S40CC036.000RC	S40CC048.000RC

NOTE: For additional sizes and configurations, contact Dixon Sanitary 800.789.1718.

M

Standard Sanitary Surface Finish Options

Option M (most economical)

- Polished 32 Ra I.D.
- Exterior weld chemically treated but not ground flush
- Compliant to 3-A 00-01 standard

Option C

- Polished 32 Ra I.D./O.D.
- Exterior weld ground flush
- Compliant to 3-A 00-01 standard

NOTE: If you would like to request a different surface finish, please contact Dixon Sanitary at 800.789.1718 or email sanitarysales@dixonvalve.com.

Sanitary Spool Part Number Key

Dixon Spool Fabrication Part Number Key		Series	Size	Connections		Overall Length						Material	Surface Finish
		S	10	C	B	1	0	0	.	1	2	5	R	C
Series	**Code**													
Spool	S													
Size	**Code**													
1/2”	50													
3/4”	75													
1”	10													
1-1/2”	15													
2”	20													
2-1/2”	25													
3”	30													
4”	40													
Connections	**Code**													
KF Flange	A													
Clamp	C													
Weld	B													
Female I-line	F													
Male I-line	M													
Threaded bevel	T													
Plain bevel	P													
Q-line	Q													
John Perry plain	J													
John Perry threaded	H													
Female NPT[1]	1													
Male NPT[1]	2													
DIN male	3													
DIN weld liner/nut	4													
SMS male	5													
SMS welding liner	6													
Overall Length	**Code**													
Hundredths place (given in inches)	0-9													
Tenths place (given in inches)	0-9													
Ones place (given in inches)	0-9													
Decimal divider	.													
Tenths place (given in inches)	0-9													
Hundredths place (given in inches)	0-9													
Thousandths place (given in inches)	0-9													
Material	**Code**													
304 stainless steel	G													
316L stainless steel	R													
Surface Finish	**Code**													
#7 polished 32Ra ID/OD	C													
SF1 mechanically polished 20Ra I.D. and 32Ra O.D.	F													
SF2 mechanically polished 25Ra I.D. and 32Ra O.D.	G													
SF3 mechanically polished 30Ra I.D. and 32Ra O.D.	H													
SF4 electropolished 15Ra I.D. and mechanically polished 32Ra O.D.	J													
SF5 electropolished 20Ra I.D. and mechanically polished 32Ra O.D.	K													
SF6 electropolished 25Ra I.D. and mechanically polished 32Ra O.D.	L													
Polished 32 Ra I.D./O.D. with welds unground[1]	M													

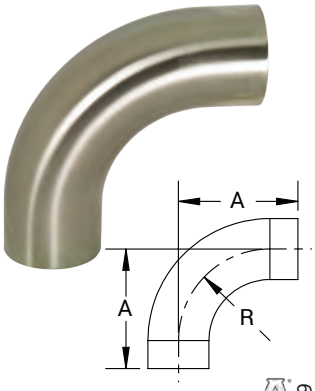
[1] These end connections do not meet 3A standards.

Weld Elbows

90° Weld Elbows with Tangents – B2S

A3 621 63-04

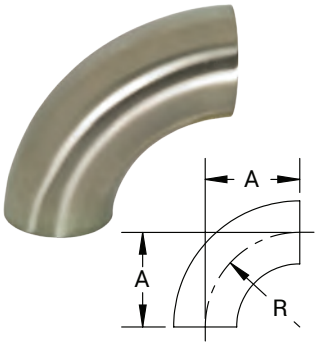
Tube O.D.	A (in)	R (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	3.00	1.13	.065	B2S-G50P	B2S-R50P
3/4"				B2S-G75P	B2S-R75P
1"	2.06	1.50		B2S-G100P	B2S-R100P
1-1/2"	2.94	2.25		B2S-G150P	B2S-R150P
2"	4.06	3.00		B2S-G200P	B2S-R200P
2-1/2"	5.19	3.75		B2S-G250P	B2S-R250P
3"	6.31	4.50		B2S-G300P	B2S-R300P
4"	8.31	6.00	.083	B2S-G400P	B2S-R400P
6"	12.46	9.00	.109	B2S-G600P	B2S-R600P



90° Weld Elbows – B2WCL

A3 621 63-04

Tube O.D.	A (in)	R (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	1.13	1.13	.065	---	B2WCL-R50P
3/4"				---	B2WCL-R75P
1"	1.50	1.50		B2WCL-G100P	B2WCL-R100P
1-1/2"	2.25	2.25		B2WCL-G150P	B2WCL-R150P
2"	3.00	3.00		B2WCL-G200P	B2WCL-R200P
2-1/2"	3.75	3.75		B2WCL-G250P	B2WCL-R250P
3"	4.50	4.50		B2WCL-G300P	B2WCL-R300P
4"	6.00	6.00	.083	B2WCL-G400P	B2WCL-R400P
6"	9.00	9.00	.109	B2WCL-G600P	B2WCL-R600P
8"	12.00	12.00		B2WCL-G800P	B2WCL-R800P
10"	15.00	15.00	.120	B2WCL-G1000P	B2WCL-R1000P

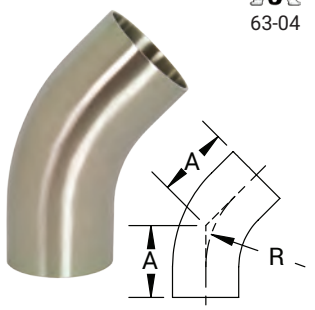


NOTE: Other sizes available upon request.

45° Weld Elbows with Tangents – B2KS

A3 621 63-04

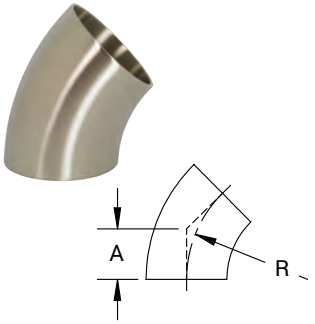
Tube O.D.	A (in)	R (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	2.25	1.13	.065	---	B2KS-R50P
3/4"				---	B2KS-R75P
1"	1.19	1.50		B2KS-G100P	B2KS-R100P
1-1/2"	1.63	2.25		B2KS-G150P	B2KS-R150P
2"	2.31	3.00		B2KS-G200P	B2KS-R200P
2-1/2"	3.00	3.75		B2KS-G250P	B2KS-R250P
3"	3.69	4.50		B2KS-G300P	B2KS-R300P
4"	4.81	6.00	.083	B2KS-G400P	B2KS-R400P



45° Weld Elbows – B2WK

A3 621 63-04

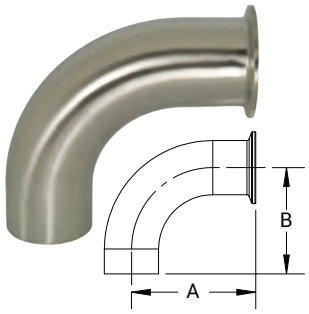
Tube O.D.	A (in)	R (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	0.47	1.13	.065	---	B2WK-R50P
3/4"				---	B2WK-R75P
1"	0.62	1.50		B2WK-G100P	B2WK-R100P
1-1/2"	0.94	2.25		B2WK-G150P	B2WK-R150P
2"	1.25	3.00		B2WK-G200P	B2WK-R200P
2-1/2"	1.56	3.75		B2WK-G250P	B2WK-R250P
3"	1.87	4.50		B2WK-G300P	B2WK-R300P
4"	2.50	6.00	.083	B2WK-G400P	B2WK-R400P
6"	3.75	9.00	.109	B2WK-G600P	B2WK-R600P
8"	4.97	12.00	.109	B2WK-G800P	B2WK-R800P
10"	6.25	15.00	.120	B2WK-G1000P	B2WK-R1000P



NOTE: Other sizes available upon request.

Weld Elbows

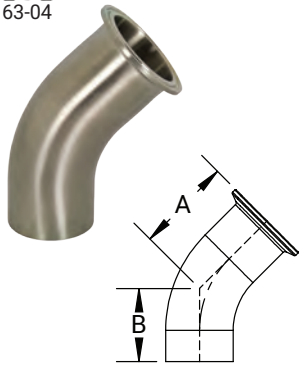
3-A 621
63-04



90° Clamp x Weld Elbows – B2CM

Tube O.D.	A (in)	B (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	3.50	3.00	.065	---	B2CM-R50
3/4"				---	B2CM-R75
1"	2.56	2.06		B2CM-G100	B2CM-R100
1-1/2"	3.44	2.94		B2CM-G150	B2CM-R150
2"	4.56	4.06		B2CM-G200	B2CM-R200
2-1/2"	5.69	5.19		B2CM-G250	B2CM-R250
3"	6.81	6.31		B2CM-G300	B2CM-R300
4"	8.94	8.31	.083	B2CM-G400	B2CM-R400
6"	13.34	12.46	.109	---	B2CM-R600
8"	12.88	12.00		---	B2CM-R800

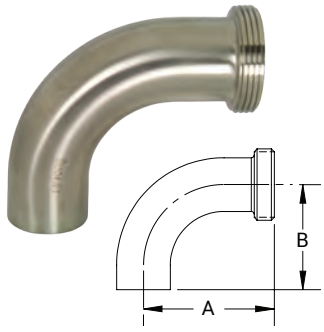
3-A 621
63-04



45° Clamp x Weld Elbows – B2KM

Tube O.D.	A (in)	B (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	1.69	1.19	.065	B2KM-G100	B2KM-R100
1-1/2"	2.13	1.63		B2KM-G150	B2KM-R150
2"	2.81	2.31		B2KM-G200	B2KM-R200
2-1/2"	3.50	3.00		B2KM-G250	B2KM-R250
3"	4.19	3.69		B2KM-G300	B2KM-R300
4"	5.44	4.81	.083	B2KM-G400	B2KM-R400

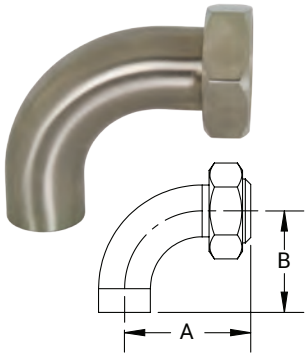
3-A 621
63-04



90° Threaded Bevel Seat x Weld Elbows – B2T

Tube O.D.	A (in)	B (in)	Nominal Wall (in)	304 Stainless Steel Part #
1"	2.78	2.06	.065	B2T-G100
1-1/2"	3.66	2.94		B2T-G150
2"	4.81	4.06		B2T-G200
2-1/2"	6.06	5.19		B2T-G250
3"	7.22	6.31		B2T-G300
4"	9.34	8.31	.083	B2T-G400

3-A 621
63-04



90° Plain Bevel Seat with Hex Nut x Weld Elbows – B2FP

Tube O.D.	A (in)	B (in)	Nominal Wall (in)	304 Stainless Steel Part #
1"	2.78	2.06	.065	B2FP-G100
1-1/2"	3.66	2.94		B2FP-G150
2"	4.81	4.06		B2FP-G200
2-1/2"	6.06	5.19		B2FP-G250
3"	7.22	6.31		B2FP-G300
4"	9.34	8.31	.083	B2FP-G400

M

Weld Sweep Elbows

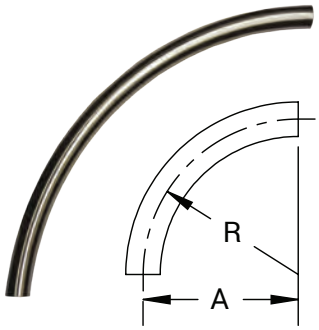
Feature

- Standard comes without tangents; for tangents or 45° options, call Dixon Sanitary 800.789.1718

12" 90° Weld Sweep Elbows – B2SXL

3-A 621 63-04

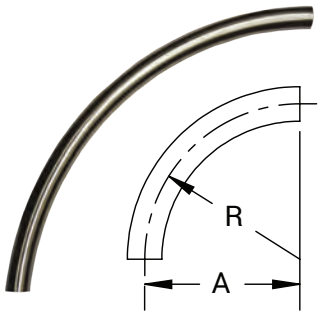
Tube O.D.	A (in)	R (in)	Nominal Wall (in)	316L Stainless Steel Part #
1"	12.00	12.00	.065	B2SXL12-R100
1-1/2"				B2SXL12-R150
2"				B2SXL12-R200
2-1/2"				B2SXL12-R250
3"				B2SXL12-R300
4"			.083	B2SXL12-R400



18" 90° Weld Sweep Elbows – B2SXL

3-A 621 63-04

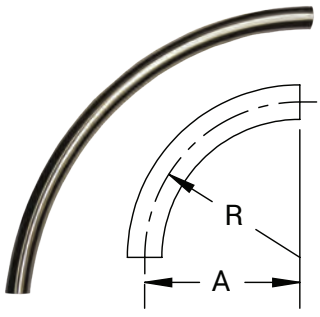
Tube O.D.	A (in)	R (in)	Nominal Wall (in)	316L Stainless Steel Part #
1"	18.00	18.00	.065	B2SXL18-R100
1-1/2"				B2SXL18-R150
2"				B2SXL18-R200
2-1/2"				B2SXL18-R250
3"				B2SXL18-R300
4"			.083	B2SXL18-R400



24" 90° Weld Sweep Elbows – B2SXL

3-A 621 63-04

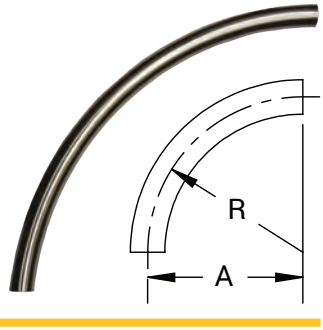
Tube O.D.	A (in)	R (in)	Nominal Wall (in)	316L Stainless Steel Part #
1-1/2"	24.00	24.00	.065	B2SXL24-R150
2"				B2SXL24-R200
2-1/2"				B2SXL24-R250
3"				B2SXL24-R300
4"			.083	B2SXL24-R400
6"			.109	B2SXL24-R600



36" 90° Weld Sweep Elbows – B2SXL

3-A 621 63-04

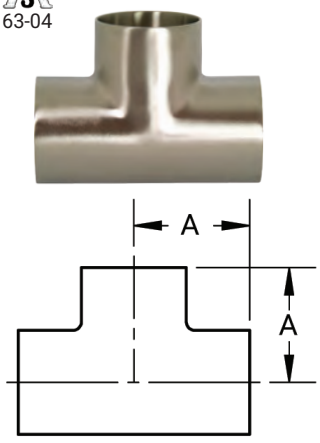
Tube O.D.	A (in)	R (in)	Nominal Wall (in)	316L Stainless Steel Part #
1-1/2"	36.00	36.00	.065	B2SXL36-R150
2"				B2SXL36-R200
2-1/2"				B2SXL36-R250
3"				B2SXL36-R300
4"			.083	B2SXL36-R400
6"			.109	B2SXL36-R600



M

Weld Tees

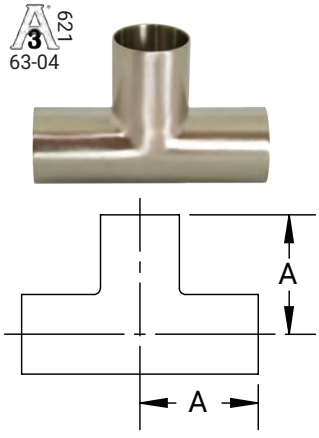
3-A 621
63-04



Short Weld Tees – B7WWW

Tube O.D.	A (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	1.13	.065	B7WWW-G100P	B7WWW-R100P
1-1/2"	1.66		B7WWW-G150P	B7WWW-R150P
2"	2.06		B7WWW-G200P	B7WWW-R200P
2-1/2"	2.34		B7WWW-G250P	B7WWW-R250P
3"	2.59		B7WWW-G300P	B7WWW-R300P
4"	3.44	.083	B7WWW-G400P	B7WWW-R400P

3-A 621
63-04

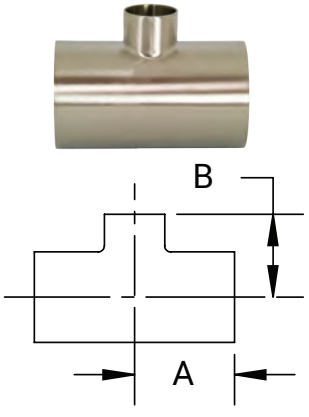


Long Weld Tees – B7W

Tube O.D.	A (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	1.88	.065	---	B7W-R50P
3/4"	2.00		---	B7W-R75P
1"	1.88		B7W-G100P	B7W-R100P
1-1/2"	2.25		B7W-G150P	B7W-R150P
2"	3.00		B7W-G200P	B7W-R200P
2-1/2"	3.00		B7W-G250P	B7W-R250P
3"	3.25		B7W-G300P	B7W-R300P
4"	3.88	.083	B7W-G400P	B7W-R400P

M

3-A 621
63-04



Reducing Weld Tees – B7RWWW

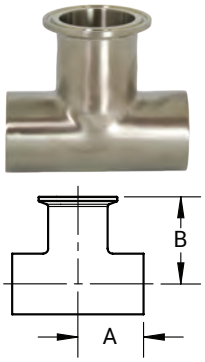
Tube O.D.	A (in)	B (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
3/4" x 1/2"	2.00	2.00	.065	---	B7RWWW-R7550P
1" x 1/2"	2.13	2.13		---	B7RWWW-R10050P
1" x 3/4"				---	B7RWWW-R10075P
1-1/2" x 1/2"	2.38	2.38		---	B7RWWW-R15050P
1-1/2" x 3/4"				---	B7RWWW-R15075P
1-1/2" x 1"	1.66	1.38		B7RWWW-G150100P	B7RWWW-R150100P
2" x 1"	2.06	1.63		B7RWWW-G200100P	B7RWWW-R200100P
2" x 1-1/2"		1.91		B7RWWW-G200150P	B7RWWW-R200150P
2-1/2" x 1-1/2"	2.34	2.16		B7RWWW-G250150P	B7RWWW-R250150P
2-1/2" x 2"		2.31		B7RWWW-G250200P	B7RWWW-R250200P
3" x 1-1/2"	2.59	2.41		B7RWWW-G300150P	B7RWWW-R300150P
3" x 2"		2.56		B7RWWW-G300200P	B7RWWW-R300200P
3" x 2-1/2"		2.59		B7RWWW-G300250P	B7RWWW-R300250P
4" x 1-1/2"	3.44	2.91	.083	B7RWWW-G400150P	B7RWWW-R400150P
4" x 2"		3.06		B7RWWW-G400200P	B7RWWW-R400200P
4" x 2-1/2"		3.09		B7RWWW-G400250P	B7RWWW-R400250P
4" x 3"		3.09		B7RWWW-G400300P	B7RWWW-R400300P
6" x 2"	5.63	4.50	.109	B7RWWW-G600200P	B7RWWW-R600200P
6" x 3"		4.88		B7RWWW-G600300P	B7RWWW-R600300P
6" x 4"		5.13		B7RWWW-G600400P	B7RWWW-R600400P

Weld Tees

Weld Run x Clamp Branch Tees – B7WWM

3-A 621 63-04

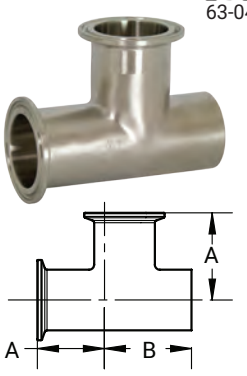
Tube O.D.	A (in)	B (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	1.88	2.38	.065	---	B7WWM-R50
3/4"	2.00	2.50		---	B7WWM-R75
1"	1.13	1.63		B7WWM-G100	B7WWM-R100
1-1/2"	1.66	2.16		B7WWM-G150	B7WWM-R150
2"	2.06	2.56		B7WWM-G200	B7WWM-R200
2-1/2"	2.34	2.84		B7WWM-G250	B7WWM-R250
3"	2.59	3.09		B7WWM-G300	B7WWM-R300
4"	3.44	4.06	.083	B7WWM-G400	B7WWM-R400



Weld x Clamp Run x Clamp Branch Tees – B7WMM

3-A 621 63-04

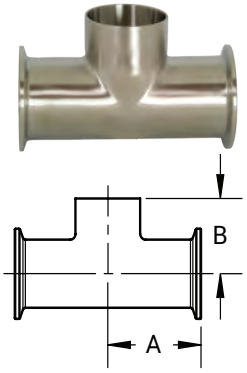
Tube O.D.	A (in)	B (in)	Nominal Wall (in)	304 Stainless Steel Part #
1"	1.63	1.13	.065	B7WMM-G100
1-1/2"	2.16	1.66		B7WMM-G150
2"	2.56	2.06		B7WMM-G200
2-1/2"	2.84	2.34		B7WMM-G250
3"	3.09	2.59		B7WMM-G300
4"	4.06	3.44	.083	B7WMM-G400



Clamp Run x Weld Branch Tees – B7MMW

3-A 621 63-04

Tube O.D.	A (in)	B (in)	Nominal Wall (in)	304 Stainless Steel Part #
1"	1.63	1.13	.065	B7MMW-G100
1-1/2"	2.16	1.66		B7MMW-G150
2"	2.56	2.06		B7MMW-G200
2-1/2"	2.84	2.34		B7MMW-G250
3"	3.09	2.59		B7MMW-G300
4"	4.06	3.44	.083	B7MMW-G400



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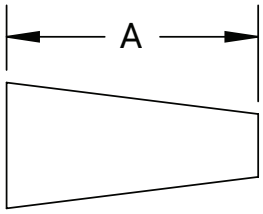
Weld Reducers

3-A 621 63-04

Concentric Weld Reducers – B31W



Tube O.D.	A (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
3/4" X 1/2"	1.00	.065	---	B31W-R7550P
1" X 1/2"	2.00		---	B31W-R10050P
1" X 3/4"	1.00		---	B31W-R10075P
1-1/2" X 1/2"	4.00		---	B31W-R15050P
1-1/2" X 3/4"	3.00		---	B31W-R15075P
1-1/2" X 1"	2.00		B31W-G150100P	B31W-R150100P
2" X 1/2"	6.00		---	B31W-R20050P
2" X 3/4"	5.00		---	B31W-R20075P
2" X 1"	4.00		B31W-G200100P	B31W-R200100P
2" X 1-1/2"	2.00		B31W-G200150P	B31W-R200150P
2-1/2" X 1"	6.00		B31W-G250100P	B31W-R250100P
2-1/2" X 1-1/2"	4.00		B31W-G250150P	B31W-R250150P
2-1/2" X 2"	2.00		B31W-G250200P	B31W-R250200P
3" X 1"	8.00		B31W-G300100P	B31W-R300100P
3" X 1-1/2"	6.00		B31W-G300150P	B31W-R300150P
3" X 2"	4.00		B31W-G300200P	B31W-R300200P
3" X 2-1/2"	2.00		B31W-G300250P	B31W-R300250P
4" X 1-1/2"	10.00	.083	B31W-G400150P	B31W-R400150P
4" X 2"	8.00		B31W-G400200P	B31W-R400200P
4" X 2-1/2"	6.00		B31W-G400250P	B31W-R400250P
4" X 3"	4.00		B31W-G400300P	B31W-R400300P
6" X 2"	5.50	.109	B31W-G600200P	B31W-R600200P
6" X 3"			B31W-G600300P	B31W-R600300P
6" X 4"			B31W-G600400P	B31W-R600400P
8" X 4"	6.00		B31W-G800400P	B31W-R800400P
8" X 6"	7.00	.120	B31W-G800600P	B31W-R800600P
10" X 8"			B31W-G1000800P	B31W-R1000800P

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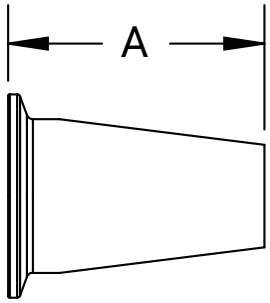
3-A 621 63-04

Concentric Clamp x Weld Reducers – B31M



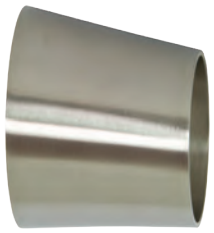
Tube O.D.	A (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
3/4" x 1/2"	1.50	.065	---	B31M-R7550
1" x 1/2"	2.50		---	B31M-R10050
1" x 3/4"	1.50		---	B31M-R10075
1-1/2" x 1/2"	4.50		---	B31M-R15050
1-1/2" x 3/4"	3.50		---	B31M-R15075
1-1/2" x 1"	2.50		B31M-G150100	B31M-R150100
2" x 1"	4.50		B31M-G200100	B31M-R200100
2" x 1-1/2"	2.50		B31M-G200150	B31M-R200150
2-1/2" x 1-1/2"	4.50		B31M-G250150	B31M-R250150
2-1/2" x 2"	2.50		B31M-G250200	B31M-R250200
3" x 1-1/2"	6.50		B31M-G300150	B31M-R300150
3" x 2"	4.50		B31M-G300200	B31M-R300200
3" x 2-1/2"	2.50		B31M-G300250	B31M-R300250
4" x 2"	8.66	.083	B31M-G400200	B31M-R400200
4" x 2-1/2"	6.66		B31M-G400250	B31M-R400250
4" x 3"	4.66		B31M-G400300	B31M-R400300

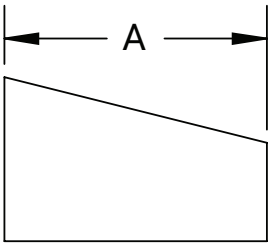
Weld Reducers

Eccentric Weld Reducers – B32W

A 621 3 63-04

Tube O.D.	A (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
3/4" x 1/2"	1.00	.065	---	B32W-R7550P
1" x 1/2"	2.00		---	B32W-R10050P
1" x 3/4"	1.00		---	B32W-R10075P
1-1/2" x 1/2"	4.00		---	B32W-R15050P
1-1/2" x 3/4"	3.00		---	B32W-R15075P
1-1/2" x 1"	2.00		B32W-G150100P	B32W-R150100P
2" x 1/2"	6.00		---	B32W-R20050P
2" x 3/4"	5.00		---	B32W-R20075P
2" x 1"	4.00		B32W-G200100P	B32W-R200100P
2" x 1-1/2"	2.00		B32W-G200150P	B32W-R200150P
2-1/2" x 1-1/2"	4.00		B32W-G250150P	B32W-R250150P
2-1/2" x 2"	2.00		B32W-G250200P	B32W-R250200P
3" x 1"	8.00		B32W-G300100P	B32W-R300100P
3" x 1-1/2"	6.00		B32W-G300150P	B32W-R300150P
3" x 2"	4.00		B32W-G300200P	B32W-R300200P
3" x 2-1/2"	2.00		B32W-G300250P	B32W-R300250P
4" x 1-1/2"	10.00	.083	B32W-G400150P	B32W-R400150P
4" x 2"	8.00		B32W-G400200P	B32W-R400200P
4" x 2-1/2"	6.00		B32W-G400250P	B32W-R400250P
4" x 3"	4.00		B32W-G400300P	B32W-R400300P
6" x 3"	5.50	.109	B32W-G600300P	B32W-R600300P
6" x 4"	5.50		B32W-G600400P	B32W-R600400P
8" x 4"	6.00		B32W-G800400P	B32W-R800400P
8" x 6"	6.00		B32W-G800600P	B32W-R800600P





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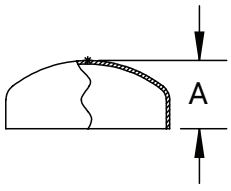
Weld End Caps

Weld End Caps – B16W

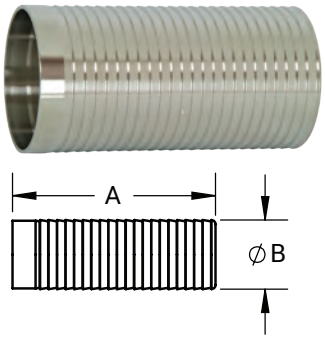
Tube O.D.	A (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	.25	.065	---	B16W-R50
3/4"	.31		---	B16W-R75
1"	.38		B16W-G100	B16W-R100
1-1/2"	.56		B16W-G150	B16W-R150
2"	.75		B16W-G200	B16W-R200
2-1/2"	1.00		B16W-G250	B16W-R250
3"	1.25		B16W-G300	B16W-R300
4"	1.50	.083	B16W-G400	B16W-R400
6"	2.00	.109	B16W-G600	B16W-R600
8"	2.50		B16W-G800	B16W-R800



NOTE: Other sizes available upon request.

Weld Adapters

Long Weld Hose Adapters – 14WHRL

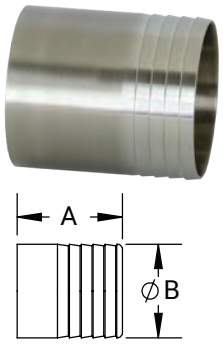


Feature
- Suitable for use with band clamps

Tube O.D.	A (in)	B (in)	Nominal Wall (in)	316L Stainless Steel Part #
1"	3.00	1.03	.065	14WHRL-R100
1-1/2"	4.50	1.53		14WHRL-R150
2"	4.50	2.03		14WHRL-R200
2-1/2"	5.00	2.53		14WHRL-R250
3"	5.00	3.03		14WHRL-R300
4"	4.88	4.03	.083	14WHRL-R400

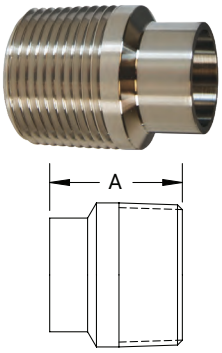
NOTE: Use of PVC tubing requires special techniques to prevent leakage. All assembly work must be done with heated tube. Cold durometer is 90 as opposed to rubber hose at 65 to 70 durometer. Banding buckles must be at 180° from one another.

Weld Hose Adapters – 14WHR



Tube O.D.	A (in)	B (in)	Nominal Wall (in)	316L Stainless Steel Part #
1/2"	1.50	.50	.065	14WHR-R50
3/4"	1.50	.75		14WHR-R75
1"	1.69	1.00		14WHR-R100
1-1/2"	1.69	1.50		14WHR-R150
2"	2.31	2.00		14WHR-R200
2-1/2"	2.00	2.50		14WHR-R250
3"	3.09	3.00		14WHR-R300
4"	3.41	4.00	.083	14WHR-R400

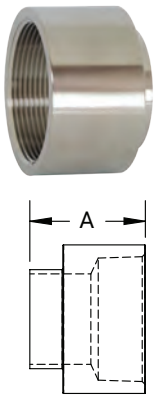
Male NPT x Weld End Adapters – B19WB



Feature
- 32Ra finish I.D. only

Tube O.D.	A (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	1.63	.065	---	B19WB-R50
3/4"	1.63		---	B19WB-R75
1"	1.75		B19WB-G100	B19WB-R100
1-1/2"	1.75		B19WB-G150	B19WB-R150
2"	1.81		B19WB-G200	B19WB-R200
2-1/2"	2.31		B19WB-G250	B19WB-R250
3"	2.50		B19WB-G300	B19WB-R300
4"	2.56	.083	B19WB-G400	B19WB-R400
6"	3.40	.109	---	B19WB-R600

Female NPT x Weld End Adapters – B22WB



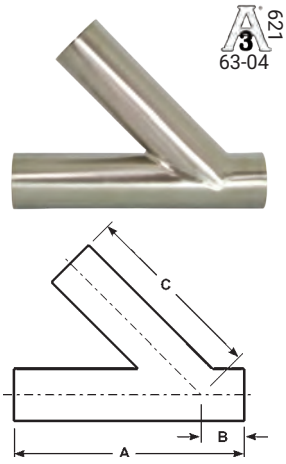
Feature
- 32Ra finish I.D. only

Tube O.D.	A (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	1.25	.065	---	B22WB-R50
3/4"	1.63		---	B22WB-R75
1"	1.75		B22WB-G100	B22WB-R100
1-1/2"	1.75		B22WB-G150	B22WB-R150
2"	1.81		B22WB-G200	B22WB-R200
2-1/2"	2.31		B22WB-G250	B22WB-R250
3"	2.50		B22WB-G300	B22WB-R300
4"	2.50	.083	B22WB-G400	B22WB-R400

Laterals, Wyes, Crosses, Bends, and Flanges

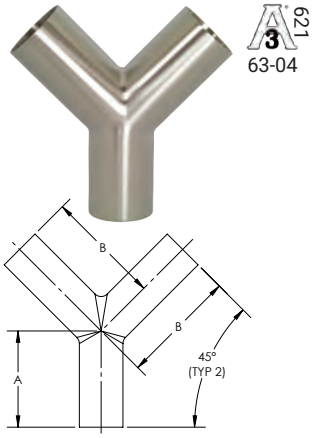
Weld Laterals – B28WA

Tube O.D.	A (in)	B (in)	C (in)	Nominal Wall (in)	316L Stainless Steel Part #
1"	6.00	1.00	5.00	.065	B28WA-R100P
1-1/2"	7.38	1.19	6.19		B28WA-R150P
2"	8.75	1.63	7.13		B28WA-R200P
2-1/2"	10.00	1.50	8.50		B28WA-R250P
3"	10.75	1.88	8.88		B28WA-R300P
4"	12.81	2.02	10.75	.083	B28WA-R400P
6"	18.00	3.50	14.50	.109	B28WA-R600P
8"	22.00	5.00	17.00		B28WA-R800P



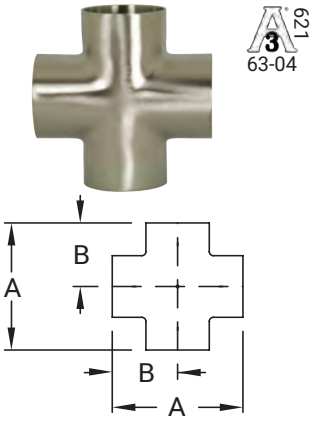
Weld True Wyes – B28W

Tube O.D.	A (in)	B (in)	Nominal Wall (in)	316L Stainless Steel Part #
1"	3.50	2.65	.065	B28W-R100P
1-1/2"	2.31	2.75		B28W-R150P
2"	3.04	3.66		B28W-R200P
2-1/2"	3.89	4.64		B28W-R250P
3"	4.62	5.50		B28W-R300P
4"	6.20	6.40	.083	B28W-R400P
6"	3.50	8.00	.109	B28W-R600P



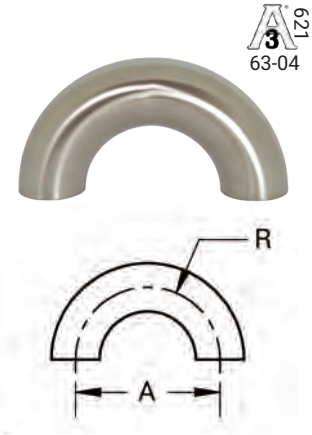
Weld Crosses – B9WWWW

Tube O.D.	A (in)	B (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	2.25	1.13	.065	B9WWWW-G100P	B9WWWW-R100P
1-1/2"	3.31	1.66		B9WWWW-G150P	B9WWWW-R150P
2"	4.13	2.06		B9WWWW-G200P	B9WWWW-R200P
2-1/2"	4.69	2.34		B9WWWW-G250P	B9WWWW-R250P
3"	5.19	2.59		B9WWWW-G300P	B9WWWW-R300P
4"	6.88	3.44	.083	B9WWWW-G400P	B9WWWW-R400P



Weld 180° Return Bends – B2WUL

Tube O.D.	A (in)	R (in)	Nominal Wall (in)	316L Stainless Steel Part #
1"	3.00	1.50	.065	B2WUL-R100P
1-1/2"	4.50	2.25		B2WUL-R150P
2"	6.00	3.00		B2WUL-R200P
2-1/2"	7.50	3.75		B2WUL-R250P
3"	9.00	4.50		B2WUL-R300P
4"	12.00	6.00	.083	B2WUL-R400P



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Laterals, Wyes, Crosses, Bends, and Flanges

Weld End Blue Protection Covers – BCW

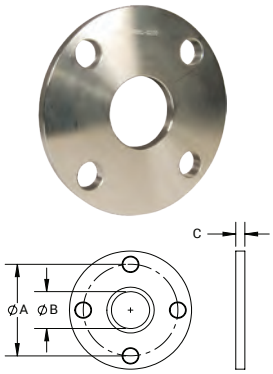
Application

- Use these covers to protect all weld ends on fittings, valves, and pumps

Size	Vinyl Plastic Part #
1/2"	BCW-050
3/4"	BCW-075
1"	BCW-100
1-1/2"	BCW-150
2"	BCW-200
2-1/2"	BCW-250
3"	BCW-300
4"	BCW-400
6"	BCW-600
8"	BCW-800

Weld Flanges

Slip-On 150# Flanges – B38SL



Tube O.D.	A (in)	B (in)	C (in)	Number and Diameter Bolt Holes (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	3.13	1.06	0.38	4/.63	B38SL-G100	B38SL-R100
1-1/2"	3.88	1.56	0.38	4/.63	B38SL-G150	B38SL-R150
2"	4.75	2.06	0.44	4/.75	B38SL-G200	B38SL-R200
2-1/2"	5.50	2.56	0.44	4/.75	B38SL-G250	B38SL-R250
3"	6.00	3.06	0.50	4/.75	B38SL-G300	B38SL-R300
4"	7.50	4.06	0.56	8/.75	B38SL-G400	B38SL-R400
6"	9.50	6.06	0.56	8/.88	B38SL-G600	B38SL-R600
8"	11.75	8.06	0.69	8/.88	B38SL-G800	B38SL-R800
10"	14.25	10.06	0.69	12/1.00	B38SL-G1000	B38SL-R1000

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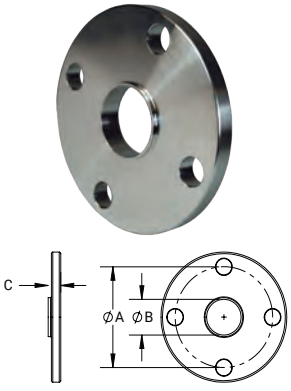
Weld Neck Flanges – B38W



Tube O.D.	A (in)	B (in)	C (in)	Nominal Wall (in)	Number and Diameter Bolt Holes (in)	316L Stainless Steel Part #
1"	3.13	0.87	0.50	.065	4/.63	B38W-R100
1-1/2"	3.88	1.37			4/.63	B38W-R150
2"	4.75	1.87	0.63		4/.75	B38W-R200
2-1/2"	5.50	2.37			4/.75	B38W-R250
3"	6.00	2.87			4/.75	B38W-R300
4"	7.50	3.83		.083	8/.75	B38W-R400
6"	9.50	5.78		.109	8/.88	B38W-R600
8"	11.75	7.78			8/.88	B38W-R800
10"	14.25	9.76	0.81	.120	12/1.00	B38W-R1000

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

Flange Gaskets

Size

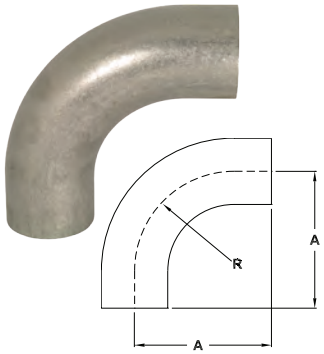
- Standard drop-ring type all 1/16" thick

Size	Neoprene Part #
1"	NG10
1-1/4"	NG15
1-1/2"	NG20
2"	NG25
2-1/2"	NG30
3"	NG35
4"	NG40
5"	NG50
6"	NG60
8"	NG80

Unpolished Elbows

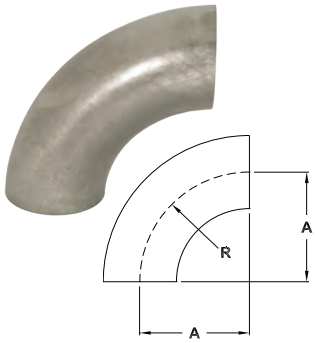
Unpolished 90° Weld Elbows with Tangents – B2S

Tube O.D.	A (in)	R (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	3.00	1.12	.065	---	B2S-R50U
3/4"				---	B2S-R75U
1"	2.06	1.50		B2S-G100U	B2S-R100U
1-1/2"	2.93	2.25		B2S-G150U	B2S-R150U
2"	4.06	3.00		B2S-G200U	B2S-R200U
2-1/2"	5.18	3.75		B2S-G250U	B2S-R250U
3"	6.31	4.50		B2S-G300U	B2S-R300U
4"	8.31	6.00	.083	B2S-G400U	B2S-R400U



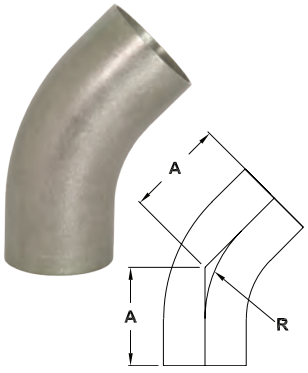
Unpolished 90° Weld Elbows – B2WCL

Tube O.D.	A (in)	R (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	1.13	1.13	.065	---	B2WCL-R50U
3/4"				---	B2WCL-R75U
1"	1.50	1.50		B2WCL-G100U	B2WCL-R100U
1-1/2"	2.25	2.25		B2WCL-G150U	B2WCL-R150U
2"	3.00	3.00		B2WCL-G200U	B2WCL-R200U
2-1/2"	3.75	3.75		B2WCL-G250U	B2WCL-R250U
3"	4.50	4.50		B2WCL-G300U	B2WCL-R300U
4"	6.00	6.00	.083	B2WCL-G400U	B2WCL-R400U
6"	9.00	9.00	.109	B2WCL-G600U	B2WCL-R600U
8"	12.00	12.00		B2WCL-G800U	B2WCL-R800U
10"	15.00	15.00	.120	B2WCL-G1000U	B2WCL-R1000U
12"	18.00	18.00		B2WCL-G1200U	B2WCL-R1200U



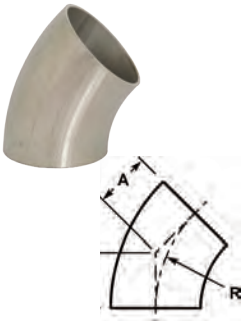
Unpolished 45° Weld Elbows with Tangents – B2KS

Tube O.D.	A (in)	R (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	2.25	1.13	.065	---	B2KS-R50U
3/4"				---	B2KS-R75U
1"	1.19	1.50		B2KS-G100U	B2KS-R100U
1-1/2"	1.63	2.25		B2KS-G150U	B2KS-R150U
2"	2.31	3.00		B2KS-G200U	B2KS-R200U
2-1/2"	3.00	3.75		B2KS-G250U	B2KS-R250U
3"	3.69	4.50		B2KS-G300U	B2KS-R300U
4"	4.81	6.00	.083	B2KS-G400U	B2KS-R400U



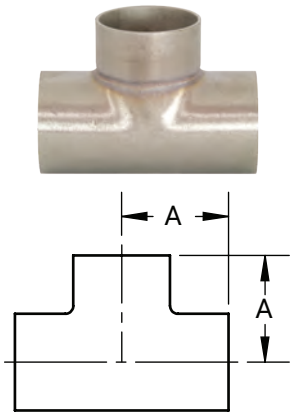
Unpolished 45° Weld Elbows – B2WK

Tube O.D.	A (in)	R (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	.47	1.13	.065	---	B2WK-R50U
3/4"				---	B2WK-R75U
1"	.63	1.50		B2WK-G100U	B2WK-R100U
1-1/2"	.94	2.25		B2WK-G150U	B2WK-R150U
2"	1.25	3.00		B2WK-G200U	B2WK-R200U
2-1/2"	1.56	3.75		B2WK-G250U	B2WK-R250U
3"	1.88	4.50		B2WK-G300U	B2WK-R300U
4"	2.50	6.00	.083	B2WK-G400U	B2WK-R400U
6"	3.75	9.00	.109	B2WK-G600U	B2WK-R600U
8"	5.00	12.00		B2WK-G800U	B2WK-R800U
10"	6.25	15.00	.120	B2WK-G1000U	B2WK-R1000U
12"	7.50	18.00		B2WK-G1200U	B2WK-R1200U



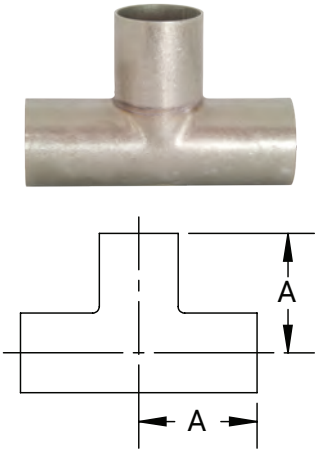
Unpolished Tees

Unpolished Short Weld Tees – B7WWW



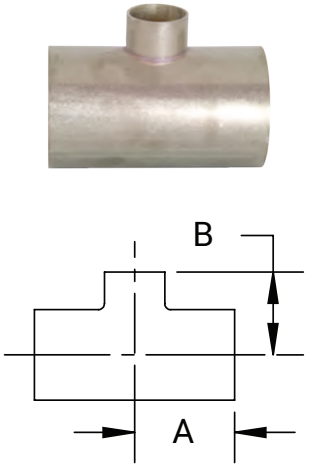
Tube O.D.	A (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	1.13	.065	B7WWW-G100U	B7WWW-R100U
1-1/2"	1.66		B7WWW-G150U	B7WWW-R150U
2"	2.06		B7WWW-G200U	B7WWW-R200U
2-1/2"	2.34		B7WWW-G250U	B7WWW-R250U
3"	2.59		B7WWW-G300U	B7WWW-R300U
4"	3.44	.083	B7WWW-G400U	B7WWW-R400U

Unpolished Long Weld Tees – B7W



Tube O.D.	A (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	1.88	.065	---	B7W-R50U
3/4"	2.00		---	B7W-R75U
1"	1.88		B7W-G100U	B7W-R100U
1-1/2"	2.25		B7W-G150U	B7W-R150U
2"	3.00		B7W-G200U	B7W-R200U
2-1/2"	3.00		B7W-G250U	B7W-R250U
3"	3.25		B7W-G300U	B7W-R300U
4"	3.88	.083	B7W-G400U	B7W-R400U

Unpolished Reducing Weld Tees – B7RWWW



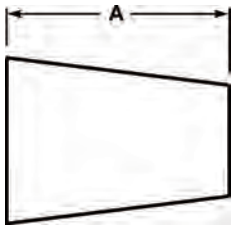
Tube O.D.	A (in)	B (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1-1/2" x 3/4"	2.13	2.13	.065	---	B7RWWW-R15075U
1-1/2" x 1"	2.38	2.38		B7RWWW-G150100U	B7RWWW-R150100U
2" x 1/2"	2.38	2.38		---	B7RWWW-R20050U
2" x 3/4"	1.66	1.38		---	B7RWWW-R20075U
2" x 1"	2.06	1.63		B7RWWW-G200100U	B7RWWW-R200100U
2" x 1-1/2"	2.06	1.91		B7RWWW-G200150U	B7RWWW-R200150U
2-1/2" x 1-1/2"	2.34	2.16		B7RWWW-G250150U	B7RWWW-R250150U
2-1/2" x 2"	2.34	2.31		B7RWWW-G250200U	B7RWWW-R250200U
3" x 1-1/2"	2.59	2.41		B7RWWW-G300150U	B7RWWW-R300150U
3" x 2"		2.56		B7RWWW-G300200U	B7RWWW-R300200U
3" x 2-1/2"		2.59		B7RWWW-G300250U	B7RWWW-R300250U
4" x 1-1/2"	3.44	2.91	.083	B7RWWW-G400150U	B7RWWW-R400150U
4" x 2"		3.06		B7RWWW-G400200U	B7RWWW-R400200U
4" x 2-1/2"		3.09		B7RWWW-G400250U	B7RWWW-R400250U
4" x 3"		3.09		B7RWWW-G400300U	B7RWWW-R400300U

M

Unpolished Reducers

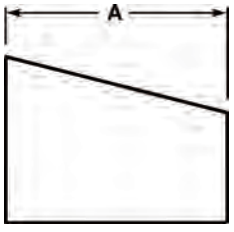
Unpolished Concentric Weld Reducers – B31W

Tube O.D.	A (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
3/4" x 1/2"	1.00	.065	---	B31W-R7550U
1" x 1/2"	2.00		---	B31W-R10050U
1" x 3/4"	1.00		---	B31W-R10075U
1-1/2" x 1/2"	4.00		---	B31W-R15050U
1-1/2" x 3/4"	3.00		---	B31W-R15075U
1-1/2" x 1"	2.00		B31W-G150100U	B31W-R150100U
2" x 3/4"	5.00		---	B31W-R20075U
2" x 1"	4.00		B31W-G200100U	B31W-R200100U
2" x 1-1/2"	2.00		B31W-G200150U	B31W-R200150U
2-1/2" x 1-1/2"	4.00		B31W-G250150U	B31W-R250150U
2-1/2" x 2"	2.00		B31W-G250200U	B31W-R250200U
3" x 1"	8.00		B31W-G300100U	B31W-R300100U
3" x 1-1/2"	6.00		B31W-G300150U	B31W-R300150U
3" x 2"	4.00		B31W-G300200U	B31W-R300200U
3" x 2-1/2"	2.00		B31W-G300250U	B31W-R300250U
4" x 1-1/2"	10.00	.083	B31W-G400150U	B31W-R400150U
4" x 2"	8.00		B31W-G400200U	B31W-R400200U
4" x 2-1/2"	6.00		B31W-G400250U	B31W-R400250U
4" x 3"	4.00		B31W-G400300U	B31W-R400300U
6" x 3"	5.50	.109	B31W-G600300U	B31W-R600300U
6" x 4"	5.50		B31W-G600400U	B31W-R600400U
8" x 4"	6.00		B31W-G800400U	B31W-R800400U
8" x 6"	6.00		B31W-G800600U	B31W-R800600U



Unpolished Eccentric Weld Reducers – B32W

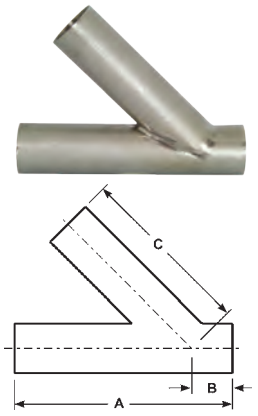
Tube O.D.	A (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
3/4" x 1/2"	1.00	.065	---	B32W-R7550U
1" x 1/2"	2.00		---	B32W-R10050U
1" x 3/4"	1.00		---	B32W-R10075U
1-1/2" x 1/2"	4.00		---	B32W-R15050U
1-1/2" x 3/4"	3.00		---	B32W-R15075U
1-1/2" x 1"	2.00		B32W-G150100U	B32W-R150100U
2" x 3/4"	5.00		---	B32W-R20075U
2" x 1"	4.00		B32W-G200100U	B32W-R200100U
2" x 1-1/2"	2.00		B32W-G200150U	B32W-R200150U
2-1/2" x 2"	2.00		B32W-G250200U	B32W-R250200U
3" x 1-1/2"	6.00		B32W-G300150U	B32W-R300150U
3" x 2"	4.00		B32W-G300200U	B32W-R300200U
3" x 2-1/2"	2.00		B32W-G300250U	B32W-R300250U
4" x 1-1/2"	10.00	.083	B32W-G400150U	B32W-R400150U
4" x 2"	8.00		B32W-G400200U	B32W-R400200U
4" x 3"	4.00		B32W-G400300U	B32W-R400300U
6" x 4"	5.50	.109	B32W-G600400U	B32W-R600400U
8" x 6"	6.00		B32W-G800600U	B32W-R800600U



M

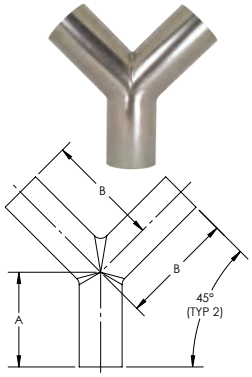
Laterals, Wyes, Bends, and Flanges

Unpolished Weld Laterals – B28WA



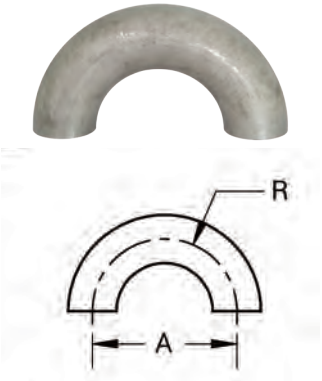
Tube O.D.	A (in)	B (in)	C (in)	Nominal Wall (in)	316L Stainless Steel Part #
1"	6.00	1.00	5.00	.065	B28WA-R100U
1-1/2"	7.38	1.19	6.19		B28WA-R150U
2"	8.75	1.63	7.13		B28WA-R200U
2-1/2"	10.00	1.50	8.50		B28WA-R250U
3"	10.75	1.88	8.88		B28WA-R300U
4"	12.81	2.02	10.75	.083	B28WA-R400U
6"	18.00	3.00	14.50	.109	B28WA-R600U

Unpolished Weld True Wyes – B28W



Tube O.D.	A (in)	B (in)	Nominal Wall (in)	316L Stainless Steel Part #
1"	3.50	2.65	.065	B28W-R100U
1-1/2"	2.31	2.75		B28W-R150U
2"	3.04	3.66		B28W-R200U
2-1/2"	3.89	4.64		B28W-R250U
3"	4.62	5.50		B28W-R300U
4"	6.20	6.40	.083	B28W-R400U
6"	3.50	8.00	.109	B28W-R600U

Unpolished Weld 180° Return Bends – B2WUL

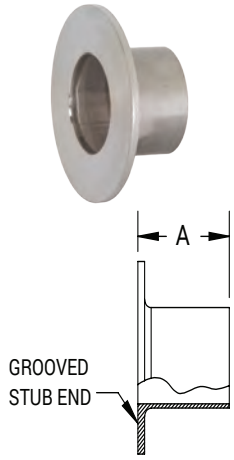


Tube O.D.	A (in)	R (in)	Nominal Wall (in)	316L Stainless Steel Part #
1"	3.00	1.50	.065	B2WUL-R100U
1-1/2"	4.50	2.25		B2WUL-R150U
2"	6.00	3.00		B2WUL-R200U
2-1/2"	7.50	3.75		B2WUL-R250U
3"	9.00	4.50		B2WUL-R300U
4"	12.00	6.00	.083	B2WUL-R400U

Unpolished Type A Stub Ends – 14VB

Application

- Typically used with B38SL flanges

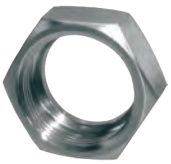


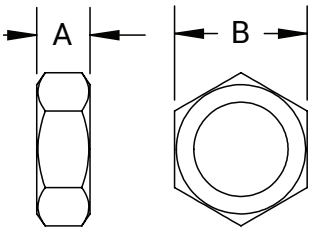
Tube O.D.	A (in)	Nominal Wall (in)	316L Stainless Steel Part #
1/2"	1.38	.065	14VB-R50
3/4"	1.38		14VB-R75
1"	1.63		14VB-R100
1-1/2"	1.75		14VB-R150
2"	1.50		14VB-R200
2-1/2"	2.00		14VB-R250
3"	2.25		14VB-R300
4"	2.63	.083	14VB-R400
6"	3.00	.109	14VB-R600
8"	3.00		14VB-R800
10"	3.50	.120	14VB-R1000

Bevel Seat Nuts

Union Hex Nuts – 13H

Tube O.D.	A (in)	B (in)	304 Stainless Steel (CF8) Part #
1"	.91	1.81	13H-G100
1-1/2"	.97	2.41	13H-G150
2"	1.06	3.00	13H-G200
2-1/2"	1.19	3.59	13H-G250
3"	1.28	4.19	13H-G300
4"	1.50	5.44	13H-G400

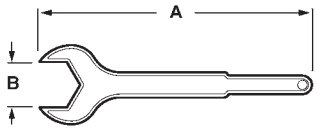




Bevel Seat Wrenches

Single Side Hex Wrenches – 25H

Tube O.D.	A (in)	B (in)	Weight lbs.	Aluminum Part #
1"	10.50	1.81	.64	25H-100
1-1/2"	12.00	2.41	.86	25H-150
2"	14.00	3.00	1.76	25H-200
2-1/2"	16.25	3.59	2.40	25H-250
3"	18.50	4.19	3.04	25H-300
4"	19.50	5.44	3.62	25H-400



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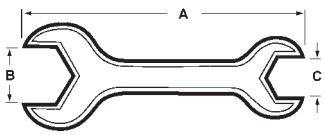
Two Sided Hex Wrenches – 25H

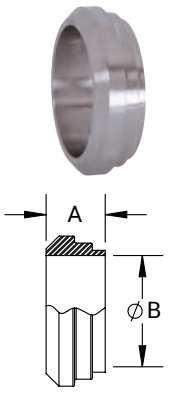
Tube O.D.	A (in)	B (in)	C (in)	Weight lbs.	Aluminum Part #
1-1/2" x 1"	12.00	2.41	1.81	1.00	25H-150100
2" x 1-1/2"	14.00	3.00	2.41	1.75	25H-200150
2-1/2" x 2"	16.50	3.59	3.00	2.80	25H-250200
3" x 2"	18.00	4.19	3.00	3.20	25H-300200
3" x 2-1/2"	18.00	4.19	3.59	3.70	25H-300250



Bevel Seat Ferrules

Short Plain Bevel Seat Weld Ferrules – 14PRF

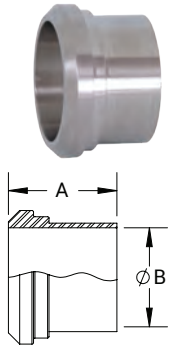
3-A 621
63-04



Tube O.D.	A (in)	B (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	.72	.87	.065	14PRF-G100	14PRF-R100
1-1/2"	.72	1.37		14PRF-G150	14PRF-R150
2"	.75	1.87		14PRF-G200	14PRF-R200
2-1/2"	.88	2.37		14PRF-G250	14PRF-R250
3"	.91	2.87		14PRF-G300	14PRF-R300
4"	1.03	3.83	.083	14PRF-G400	14PRF-R400

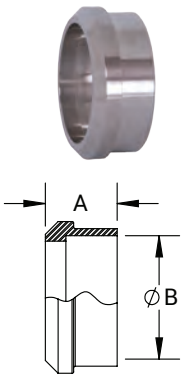
Long Plain Bevel Seat Weld Ferrules – 14A

3-A 621
63-04



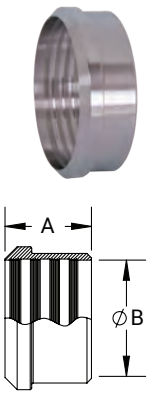
Tube O.D.	A (in)	B (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	1.38	.87	.065	14A-G100	14A-R100
1-1/2"	1.50	1.37		14A-G150	14A-R150
2"	1.50	1.87		14A-G200	14A-R200
2-1/2"	1.75	2.37		14A-G250	14A-R250
3"	1.75	2.87		14A-G300	14A-R300
4"	1.75	3.83	.083	14A-G400	14A-R400

Recessed Plain Bevel Seat Weld Ferrules – 14



Tube O.D.	A (in)	B (in)	Nominal Wall (in)	304 Stainless Steel Part #
1"	.75	1.01	.065	14-G100
1-1/2"	.88	1.51		14-G150
2"	.97	2.01		14-G200
2-1/2"	1.06	2.51		14-G250
3"	1.13	3.01		14-G300
4"	1.25	4.01	.083	14-G400

Recessless Plain Bevel Seat Ferrules for Expanding – 14R



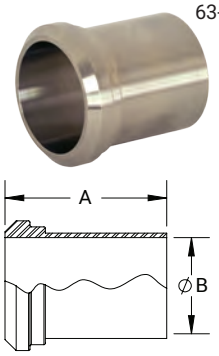
Tube O.D.	A (in)	B (in)	304 Stainless Steel Part #
1"	.75	1.00	14R-G100
1-1/2"	1.12	1.50	14R-G150
2"	1.31	2.00	14R-G200
2-1/2"	1.38	2.50	14R-G250
3"	1.44	3.00	14R-G300
4"	1.50	4.00	14R-G400

Bevel Seat Ferrules

Light Wall Tank Plain Bevel Seat Ferrules – 14WL

A3 621
63-04

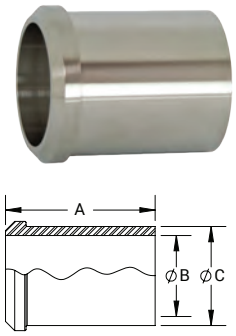
Tube O.D.	A (in)	B (in)	Nominal Wall (in)	304 Stainless Steel Part #
1"	2.00	.87	.065	14WL-G100
1-1/2"	2.25	1.37		14WL-G150
2"	2.50	1.87		14WL-G200
2-1/2"	2.75	2.37		14WL-G250
3"	3.00	2.87		14WL-G300
4"	4.00	3.83	.083	14WL-G400



Heavy Wall Tank Plain Bevel Seat Ferrules – 14W

A3 621
63-04

Size	A (in)	B (in)	C (in)	304 Stainless Steel Part #
1"	2.38	.87	1.16	14W-G100
1-1/2"	2.53	1.37	1.68	14W-G150
2"	2.78	1.87	2.19	14W-G200
2-1/2"	3.06	2.37	2.71	14W-G250
3"	3.53	2.87	3.22	14W-G300
4"	4.31	3.83	4.26	14W-G400



Short Threaded Bevel Seat Weld Ferrules – 15TRF

A3 621
63-04

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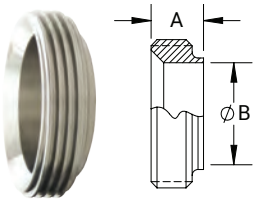
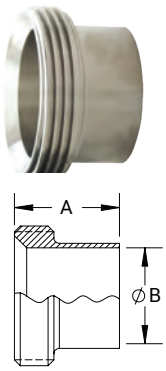
Tube O.D.	A (in)	B (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	.72	.87	.065	15TRF-G100	15TRF-R100
1-1/2"	.72	1.37		15TRF-G150	15TRF-R150
2"	.75	1.87		15TRF-G200	15TRF-R200
2-1/2"	.88	2.37		15TRF-G250	15TRF-R250
3"	.91	2.87		15TRF-G300	15TRF-R300
4"	1.03	3.83	.083	15TRF-G400	15TRF-R400



Long Threaded Bevel Seat Weld Ferrules – 15A

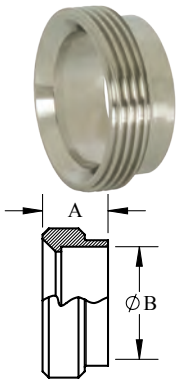
A3 621
63-04

Tube O.D.	A (in)	B (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	1.38	.87	.065	15A-G100	15A-R100
1-1/2"	1.50	1.37		15A-G150	15A-R150
2"		1.87		15A-G200	15A-R200
2-1/2"	1.75	2.37		15A-G250	15A-R250
3"		2.87		15A-G300	15A-R300
4"		3.83	.083	15A-G400	15A-R400



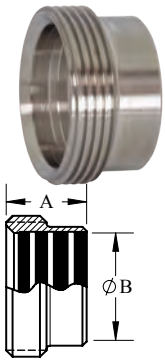
Bevel Seat Ferrules

Recessed Threaded Bevel Seat Ferrules – 15



Tube O.D.	A (in)	B (in)	304 Stainless Steel Part #
1"	.81	1.01	15-G100
1-1/2"	.88	1.51	15-G150
2"	1.03	2.01	15-G200
2-1/2"	1.13	2.51	15-G250
3"	1.25	3.01	15-G300
4"	1.38	4.01	15-G400

Recessless Threaded Bevel Seat Ferrules for Expanding – 15R

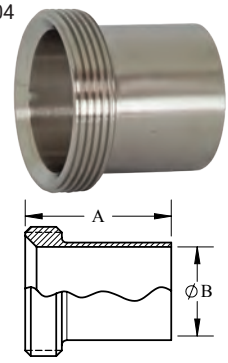


Tube O.D.	A (in)	B (in)	304 Stainless Steel Part #
1"	.81	1.01	15R-G100
1-1/2"	1.13	1.51	15R-G150
2"	1.38	2.01	15R-G200
2-1/2"	1.50	2.51	15R-G250
3"	1.63	3.01	15R-G300
4"	1.68	4.01	15R-G400

M

A3 621
63-04

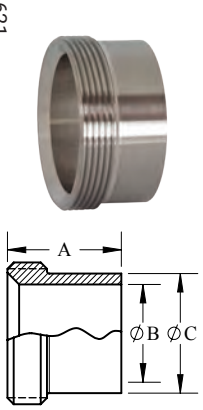
Light Wall Tank Threaded Bevel Seat Ferrules – 15WL



Tube O.D.	A (in)	B (in)	Nominal Wall (in)	304 Stainless Steel Part #
1"	2.00	.87	.065	15WL-G100
1-1/2"	2.25	1.37		15WL-G150
2"	2.50	1.87		15WL-G200
2-1/2"	2.75	2.37		15WL-G250
3"	3.00	2.87		15WL-G300
4"	4.00	3.83	.083	15WL-G400

A3 621
63-04

Heavy Wall Tank Threaded Bevel Seat Ferrules – 15W



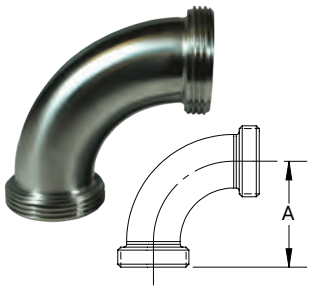
Size	A (in)	B (in)	C (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	1.50	.87	1.16	15W-G100	15W-R100
1-1/2"	1.63	1.37	1.68	15W-G150	15W-R150
2"	1.75	1.87	2.19	15W-G200	15W-R200
2-1/2"	1.75	2.37	2.71	15W-G250	15W-R250
3"	1.81	2.87	3.22	15W-G300	15W-R300
4"	2.13	3.83	4.26	15W-G400	15W-R400

Bevel Seat Elbows

Threaded Bevel Seat x Threaded Bevel Seat 90° Elbows – B2C

3-A 621 63-04

Tube O.D.	A (in)	304 Stainless Steel Part #
1"	2.22	B2C-G100
1-1/2"	2.97	B2C-G150
2"	3.75	B2C-G200
2-1/2"	4.63	B2C-G250
3"	5.41	B2C-G300
4"	7.03	B2C-G400



Threaded Bevel Seat x Plain Bevel Seat with Hex Nut 90° Elbows – B2F

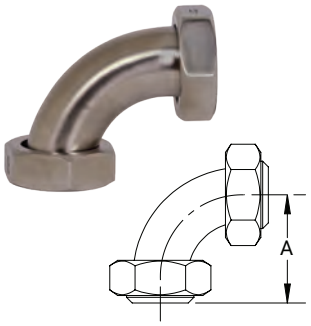
3-A 621 63-04

Tube O.D.	A (in)	304 Stainless Steel Part #
1"	2.22	B2F-G100
1-1/2"	2.97	B2F-G150
2"	3.75	B2F-G200
2-1/2"	4.63	B2F-G250
3"	5.41	B2F-G300
4"	7.03	B2F-G400

Plain Bevel Seat x Plain Bevel Seat with Hex Nut 90° Elbows – B2E

3-A 621 63-04

Tube O.D.	A (in)	304 Stainless Steel Part #
1"	2.22	B2E-G100
1-1/2"	2.97	B2E-G150
2"	3.75	B2E-G200
2-1/2"	4.63	B2E-G250
3"	5.41	B2E-G300
4"	7.03	B2E-G400

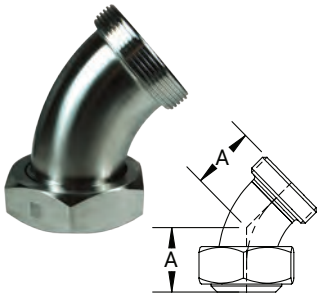


M

Threaded Bevel Seat x Plain Bevel Seat with Hex Nut 45° Elbows – B2P

3-A 621 63-04

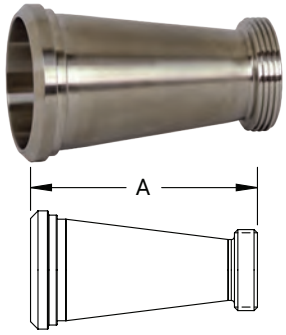
Tube O.D.	A (in)	304 Stainless Steel Part #
1"	1.34	B2P-G100
1-1/2"	1.66	B2P-G150
2"	2.00	B2P-G200
2-1/2"	2.44	B2P-G250
3"	2.78	B2P-G300
4"	3.53	B2P-G400



Bevel Seat Concentric Reducers

Plain Bevel Seat x Threaded Bevel Seat Concentric Reducers – B3115F

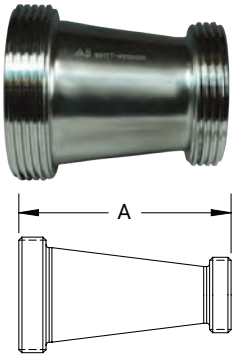
3-A 621 63-04



Tube O.D.	A (in)	304 Stainless Steel Part #
1-1/2" x 1"	3.44	B3115F-G150100
2" x 1-1/2"	3.47	B3115F-G200150
2-1/2" x 2"	3.63	B3115F-G250200
3" x 2"	5.66	B3115F-G300200
3" x 2-1/2"	3.78	B3115F-G300250
4" x 3"	5.94	B3115F-G400300

Threaded Bevel Seat x Threaded Bevel Seat Concentric Reducers – B31TT

3-A 621 63-04

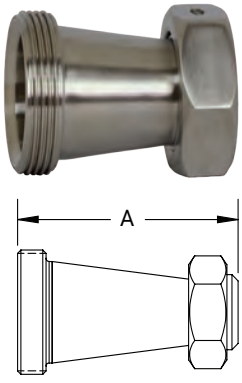


Tube O.D.	A (in)	304 Stainless Steel Part #
1-1/2" x 1"	3.44	B31TT-G150100
2" x 1-1/2"	3.47	B31TT-G200150
2-1/2" x 2"	3.63	B31TT-G250200
3" x 2"	5.66	B31TT-G300200
3" x 2-1/2"	3.78	B31TT-G300250
4" x 3"	5.94	B31TT-G400300

M

Threaded Bevel Seat x Plain Bevel Seat with Hex Nut Concentric Reducers – B31TP

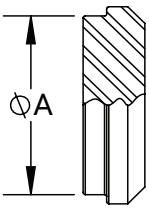
3-A 621 63-04



Tube O.D.	A (in)	304 Stainless Steel Part #
1-1/2" x 1"	3.44	B31TP-G150100
2" x 1-1/2"	3.47	B31TP-G200150
2-1/2" x 2"	3.63	B31TP-G250200
3" x 2"	5.66	B31TP-G300200
3" x 2-1/2"	3.78	B31TP-G300250
4" x 3"	5.94	B31TP-G400300

Bevel Seat End Caps

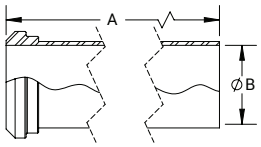
Plain Bevel Seat Solid End Caps – 16A



Size	A (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	1.16	16A-G100	16A-R100
1-1/2"	1.67	16A-G150	16A-R150
2"	2.19	16A-G200	16A-R200
2-1/2"	2.71	16A-G250	16A-R250
3"	3.22	16A-G300	16A-R300
4"	4.26	16A-G400	16A-R400

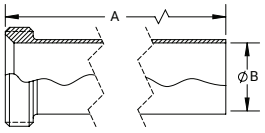
Bevel Seat Adapters

Plain Bevel Seat Tygon® Hose Adapters – 14AHT



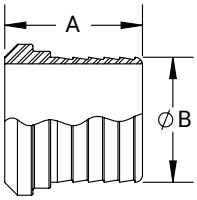
Tube O.D.	A (in)	B (in)	304 Stainless Steel Part #
1"	4.69	.87	14AHT-G100
1-1/2"	4.72	1.37	14AHT-G150
2"	4.72	1.87	14AHT-G200
2-1/2"	4.84	2.37	14AHT-G250
3"	4.91	2.87	14AHT-G300
4"	5.22	3.83	14AHT-G400

Threaded Bevel Seat Tygon® Hose Adapters – 15AHT



Tube O.D.	A (in)	B (in)	304 Stainless Steel Part #
1"	4.50	.87	15AHT-G100
1-1/2"	4.50	1.37	15AHT-G150
2"	4.50	1.87	15AHT-G200
2-1/2"	4.50	2.37	15AHT-G250
3"	4.50	2.87	15AHT-G300
4"	5.00	3.83	15AHT-G400

Plain Bevel Seat Rubber Hose Adapters – 14AHR



Tube O.D.	A (in)	B (in)	304 Stainless Steel Part #
1"	1.69	1.03	14AHR-G100
1-1/2"	1.69	1.53	14AHR-G150
2"	2.31	2.03	14AHR-G200
2-1/2"	2.67	2.53	14AHR-G250
3"	3.10	3.03	14AHR-G300
4"	4.00	4.06	14AHR-G400

I-line/Q-line Clamps

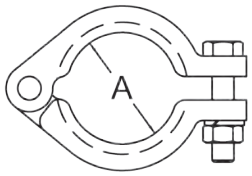
Heavy Duty Clamps – 13ILH

Tube O.D.	Service Pressure Rating PSI at 70°F (21°C)[1]	Service Pressure Rating PSI at 250°F (121°C)[1]	A (in)	Part #
1"- 1-1/2"	**700**	**250**	2.12	13ILH100-150
2"	**450**	**250**	2.65	13ILH200
2-1/2"	**450**	**200**	3.19	13ILH250
3"	**350**	**150**	3.72	13ILH300
4"	**200**	**125**	4.82	13ILH400
6"	**150**	**100**	7.69	13ILH600
8"	**125**	**75**	9.69	13ILH800

[1] Wing nut tightened to 25 in-lb of torque

Bolted Clamps – 13ILB

1" – 4"



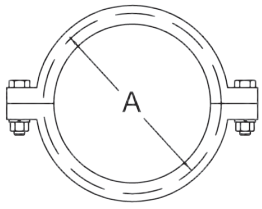
Tube O.D.	Service Pressure Rating PSI at 70°F (21°C)[1]	Service Pressure Rating PSI at 250°F (121°C)[1]	A (in)	Part #
1"- 1-1/2"	**1220**	**1100**	2.12	13ILB100-150
2"	**900**	**830**	2.65	13ILB200
2-1/2"	**720**	**660**	3.19	13ILB250
3"	**600**	**550**	3.72	13ILB300
4"	**570**	**525**	4.82	13ILB400

[1] Nut tightened to 20 ft-lb of torque

M

Bolted I-Line Clamps

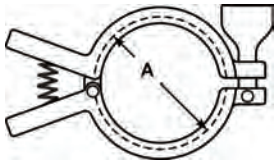
6" and 8"



Tube O.D.	Service Pressure Rating PSI at 70°F (21°C)[1]	Service Pressure Rating PSI at 250°F (121°C)[1]	A (in)	Part #
6"	**300**	**200**	7.69	13ILB600
8"	**250**	**150**	9.69	13ILB800

[1] Nut tightened to 20 ft-lb of torque

Squeeze Clamps – 13IL-Q



Tube O.D.	Service Pressure Rating PSI at 70°F (21°C)[1]	Service Pressure Rating PSI at 250°F (121°C)[1]	A (in)	Part #
1"- 1-1/2"	**700**	**250**	2.12	13IL-Q100150
2"	**450**		2.65	13IL-Q200

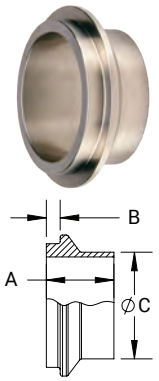
[1] Wing nut tightened to 25 in-lb of torque

I-Line/Q-Line – Ferrules

Male I-Line Short Weld Ferrules – 14WI

3A 621 63-04

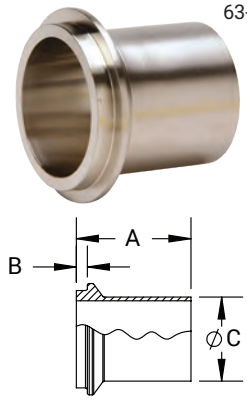
Tube O.D.	A (in)	B (in)	C (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	.79	.19	1.00	.065	14WI-G100	14WI-R100
1-1/2"	.95	.20	1.50		14WI-G150	14WI-R150
2"	1.04	.26	2.00		14WI-G200	14WI-R200
2-1/2"	1.16	.31	2.50		14WI-G250	14WI-R250
3"	1.22	.31	3.00		14WI-G300	14WI-R300
4"	1.35	.31	4.00	.083	14WI-G400	14WI-R400
6"	1.13	.19	6.00	.109	---	14WI-R600
8"	1.13	.19	8.00		---	14WI-R800



Male I-Line Long Weld Ferrules – 14WLI

3A 621 63-04

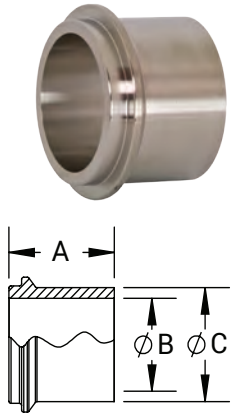
Tube O.D.	A (in)	B (in)	C (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	1.75	.19	1.00	.065	14WLI-G100	14WLI-R100
1-1/2"	2.04	.20	1.50		14WLI-G150	14WLI-R150
2"	2.32	.26	2.00		14WLI-G200	14WLI-R200
2-1/2"	2.50	.31	2.50		14WLI-G250	14WLI-R250
3"	2.68	.31	3.00		14WLI-G300	14WLI-R300
4"	3.00	.31	4.00	.083	14WLI-G400	14WLI-R400
6"	2.88	.19	6.00	.109	14WLI-G600	14WLI-R600



Male I-Line Heavy Wall Tank Weld Ferrules – 14WHI

3A 621 63-04

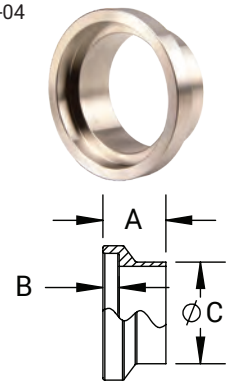
Tube O.D.	A (in)	B (in)	C (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	1.50	.87	1.25	.065	14WHI-G100	14WHI-R100
1-1/2"	1.63	1.37	1.69		14WHI-G150	14WHI-R150
2"	1.75	1.87	2.25		14WHI-G200	14WHI-R200
2-1/2"	1.75	2.37	2.75		14WHI-G250	14WHI-R250
3"	1.81	2.87	3.31		14WHI-G300	14WHI-R300
4"	2.13	3.83	4.25	.083	14WHI-G400	14WHI-R400
6"	3.00	5.78	6.88	.109	---	14WHI-R600



M

I-Line/Q-Line – Ferrules

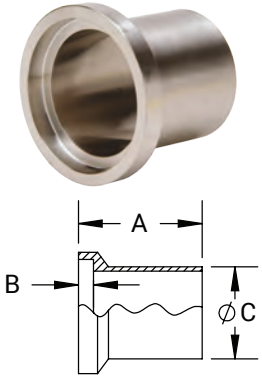
3-A 621
63-04



Female I-Line Short Weld Ferrules – 15WI

Tube O.D.	A (in)	B (in)	C (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	.79	.25	1.00	.065	15WI-G100	15WI-R100
1-1/2"	.95		1.50		15WI-G150	15WI-R150
2"	1.04	.31	2.00		15WI-G200	15WI-R200
2-1/2"	1.16	.36	2.50		15WI-G250	15WI-R250
3"	1.22		3.00		15WI-G300	15WI-R300
4"	1.35		4.00	.083	15WI-G400	15WI-R400
6"	1.13	.24	6.00	.109	---	15WI-R600
8"			8.00		---	15WI-R800

3-A 621
63-04

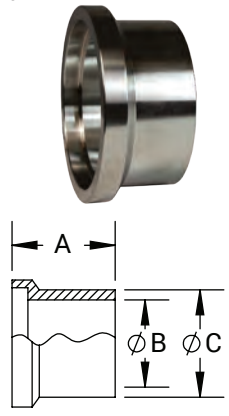


Female I-Line Long Weld Ferrules – 15WLI

Tube O.D.	A (in)	B (in)	C (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	1.75	.25	1.00	.065	15WLI-G100	15WLI-R100
1-1/2"	2.03		1.50		15WLI-G150	15WLI-R150
2"	2.31	.31	2.00		15WLI-G200	15WLI-R200
2-1/2"	2.50	.36	2.50		15WLI-G250	15WLI-R250
3"	2.69		3.00		15WLI-G300	15WLI-R300
4"	3.00		4.00	.083	15WLI-G400	15WLI-R400
6"		.24	6.00	.109	---	15WLI-R600

M

3-A 621
63-04



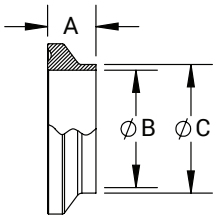
Female I-Line Heavy Wall Tank Weld Ferrules – 15WHI

Size	A (in)	B (in)	C (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	1.50	.87	1.25	15WHI-G100	15WHI-R100
1-1/2"	1.63	1.37	1.69	15WHI-G150	15WHI-R150
2"	1.75	1.87	2.25	15WHI-G200	15WHI-R200
2-1/2"	1.75	2.37	2.75	15WHI-G250	15WHI-R250
3"	1.81	2.87	3.31	15WHI-G300	15WHI-R300
4"	2.13	3.83	4.25	15WHI-G400	15WHI-R400

I-Line/Q-Line – Ferrules

Q-Line Weld Ferrules – 14WQ

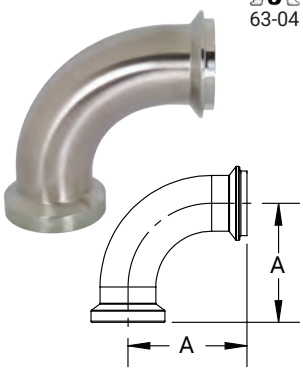
3-A 621 63-04



Tube O.D.	A (in)	B (in)	C (in)	Nominal Wall (in)	304 Stainless Steel Part #
1"	.53	.87	1.00	.065	14WQ-G100
1-1/2"	.56	1.37	1.50		14WQ-G150
2"	.81	1.87	2.00		14WQ-G200
2-1/2"	.94	2.37	2.50		14WQ-G250
3"	.94	2.87	3.00		14WQ-G300
4"	1.00	3.83	4.00	.083	14WQ-G400

90° Female I-Line x Male I-Line Elbows – B2FI

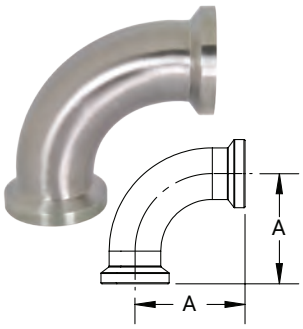
3-A 621 63-04



Tube O.D.	A (in)	304 Stainless Steel Part #
1"	2.29	B2FI-G100
1-1/2"	3.20	B2FI-G150
2"	4.04	B2FI-G200
2-1/2"	4.91	B2FI-G250
3"	5.72	B2FI-G300
4"	7.35	B2FI-G400

90° Female I-Line Elbows – B2CI

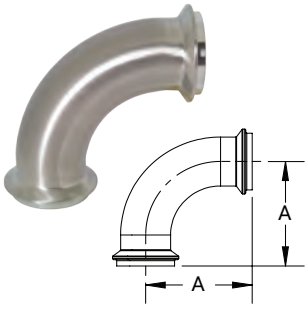
3-A 621 63-04



Tube O.D.	A (in)	304 Stainless Steel Part #
1"	2.29	B2CI-G100
1-1/2"	3.20	B2CI-G150
2"	4.04	B2CI-G200
2-1/2"	4.91	B2CI-G250
3"	5.72	B2CI-G300
4"	7.35	B2CI-G400

90° Male I-Line Elbows – B2EI

3-A 621 63-04

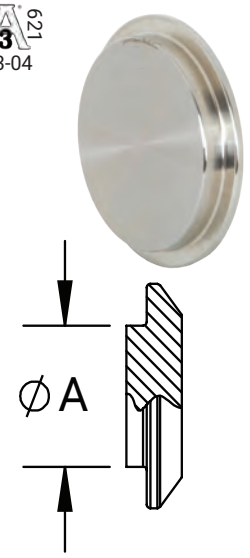


Tube O.D.	A (in)	304 Stainless Steel Part #
1"	2.29	B2EI-G100
1-1/2"	3.20	B2EI-G150
2"	4.04	B2EI-G200
2-1/2"	4.91	B2EI-G250
3"	5.72	B2EI-G300
4"	7.35	B2EI-G400

M

I-Line/Q-Line – End Caps

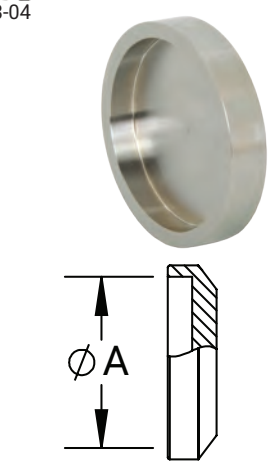
3-A 621
63-04



Male I-Line Solid End Caps – 16AI-14I

Size	A (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	1.25	16AI-14I100	16AI-14I100R
1-1/2"	1.74	16AI-14I150	16AI-14I150R
2"	2.24	16AI-14I200	16AI-14I200R
2-1/2"	2.74	16AI-14I250	16AI-14I250R
3"	3.30	16AI-14I300	16AI-14I300R
4"	4.30	16AI-14I400	16AI-14I400R
6"	6.83	16AI-14I600	16AI-14I600R
8"	8.83	---	16AI-14I800R

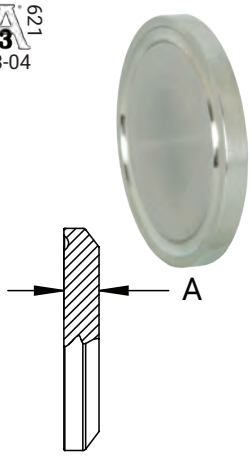
3-A 621
63-04



Female I-Line Solid End Caps – 16AI-15I

Size	A (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	1.27	16AI-15I100	16AI-15I100R
1-1/2"	1.76	16AI-15I150	16AI-15I150R
2"	2.26	16AI-15I200	16AI-15I200R
2-1/2"	2.76	16AI-15I250	16AI-15I250R
3"	3.32	16AI-15I300	16AI-15I300R
4"	4.32	16AI-15I400	16AI-15I400R
6"	6.92	16AI-15I600	16AI-15I600R
8"	8.92	---	16AI-15I800R

3-A 621
63-04



Q-Line Solid End Caps – 16AQ

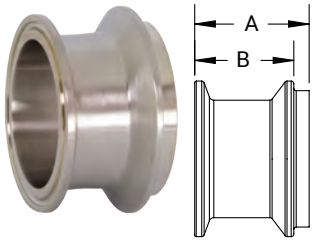
Size	A (in)	304 Stainless Steel Part #
1"	.19	16AQ-G100
1-1/2"	.19	16AQ-G150
2"	.25	16AQ-G200
2-1/2"	.26	16AQ-G250
3"	.26	16AQ-G300
4"	.25	16AQ-G400

I-Line/Q-Line Adapters

Male I-Line x Clamp Adapters – 17-14I-14MP

3A 621
63-04

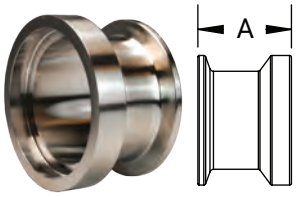
Tube O.D.	A (in)	B (in)	304 Stainless Steel Part #
1"	1.29	1.10	17-14I-14MPG100
1-1/2"	1.45	1.26	17-14I-14MPG150
2"	1.54	1.29	17-14I-14MPG200
2-1/2"	1.66	1.35	17-14I-14MPG250
3"	1.72	1.41	17-14I-14MPG300
4"	1.98	1.67	17-14I-14MPG400



Female I-Line x Clamp Adapters – 17-15I-14MP

3A 621
63-04

Tube O.D.	A (in)	304 Stainless Steel Part #
1"	1.28	17-15I-14MPG100
1-1/2"	1.45	17-15I-14MPG150
2"	1.54	17-15I-14MPG200
2-1/2"	1.63	17-15I-14MPG250
3"	1.72	17-15I-14MPG300
4"	1.97	17-15I-14MPG400



M

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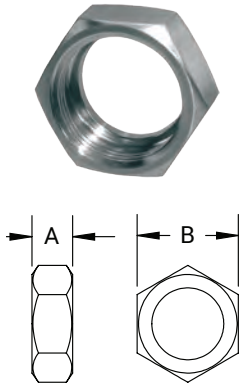
John Perry Nuts

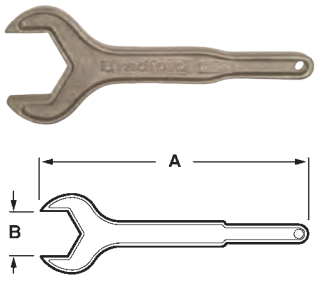
Union Hex Nuts – 13H



Tube O.D.	A (in)	B (in)	304 Stainless Steel (CF8) Part #
1"	.91	1.81	13H-G100
1-1/2"	.97	2.41	13H-G150
2"	1.06	3.00	13H-G200
2-1/2"	1.19	3.59	13H-G250
3"	1.28	4.19	13H-G300
4"	1.50	5.44	13H-G400

John Perry Wrenches

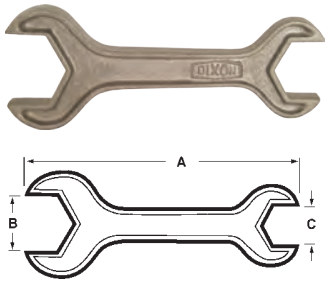
Single-Side Hex Wrenches – 25H



Tube O.D.	A (in)	B (in)	Weight lbs.	Aluminum Part #
1"	10.50	1.81	.64	25H-100
1-1/2"	12.00	2.41	.86	25H-150
2"	14.00	3.00	1.76	25H-200
2-1/2"	16.25	3.59	2.40	25H-250
3"	18.50	4.19	3.04	25H-300
4"	19.50	5.44	3.62	25H-400

M

Two-Sided Hex Wrenches – 25H

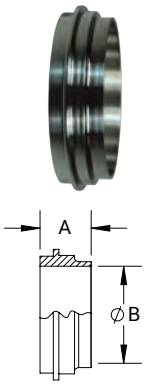


Tube O.D.	A (in)	B (in)	C (in)	Weight lbs.	Aluminum Part #
1-1/2" x 1"	12.00	2.41	1.81	1.00	25H-150100
2" x 1-1/2"	14.00	3.00	2.41	1.75	25H-200150
2-1/2" x 2"	16.50	3.59	3.00	2.80	25H-250200
3" x 2"	18.00	4.19	3.00	3.20	25H-300200
3" x 2-1/2"	18.00	4.19	3.59	3.70	25H-300250

John Perry Ferrules

John Perry Short Plain Weld Ferrules – 14PRFJP

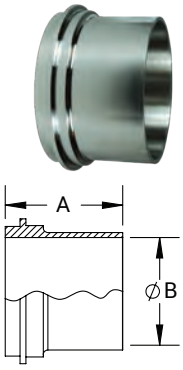
3-A 621
63-04



Tube O.D.	A (in)	B (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	.69	.87	.065	14PRFJP-G100	14PRFJP-R100
1-1/2"	.72	1.37		14PRFJP-G150	14PRFJP-R150
2"	.72	1.87		14PRFJP-G200	14PRFJP-R200
2-1/2"	.84	2.37		14PRFJP-G250	14PRFJP-R250
3"	.91	2.87		14PRFJP-G300	14PRFJP-R300
4"	1.22	3.83	.083	14PRFJP-G400	14PRFJP-R400

John Perry Long Plain Weld Ferrules – L14AJP

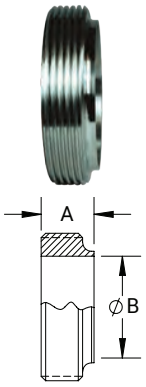
3-A 621
63-04



Tube O.D.	A (in)	B (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	1.38	.87	.065	L14AJP-G100	L14AJP-R100
1-1/2"	1.50	1.37		L14AJP-G150	L14AJP-R150
2"		1.87		L14AJP-G200	L14AJP-R200
2-1/2"	1.75	2.37		L14AJP-G250	L14AJP-R250
3"		2.87		L14AJP-G300	L14AJP-R300
4"		3.83	.083	L14AJP-G400	L14AJP-R400

John Perry Threaded Short Weld Ferrules – 15TRFJP

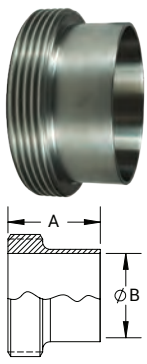
3-A 621
63-04



Tube O.D.	A (in)	B (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	.69	.87	.065	15TRFJP-G100	15TRFJP-R100
1-1/2"	.72	1.37		15TRFJP-G150	15TRFJP-R150
2"	.72	1.87		15TRFJP-G200	15TRFJP-R200
2-1/2"	.84	2.37		15TRFJP-G250	15TRFJP-R250
3"	.91	2.87		15TRFJP-G300	15TRFJP-R300
4"	1.22	3.83	.083	15TRFJP-G400	15TRFJP-R400

John Perry Threaded Long Weld Ferrules – L15AJP

3-A 621
63-04



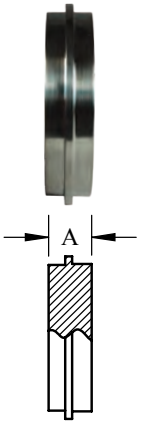
Tube O.D.	A (in)	B (in)	Nominal Wall (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	1.38	.87	.065	L15AJP-G100	L15AJP-R100
1-1/2"	1.50	1.37		L15AJP-G150	L15AJP-R150
2"		1.87		L15AJP-G200	L15AJP-R200
2-1/2"	1.75	2.37		L15AJP-G250	L15AJP-R250
3"		2.87		L15AJP-G300	L15AJP-R300
4"		3.83	.083	L15AJP-G400	L15AJP-R400

M

63-04

John Perry End Caps

John Perry Solid End Caps – 16AJP



Size	A (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	.47	16AJP-G100	16AJP-R100
1-1/2"	.48	16AJP-G150	16AJP-R150
2"	.53	16AJP-G200	16AJP-R200
2-1/2"	.55	16AJP-G250	16AJP-R250
3"	.61	16AJP-G300	16AJP-R300
4"	.69	16AJP-G400	16AJP-R400

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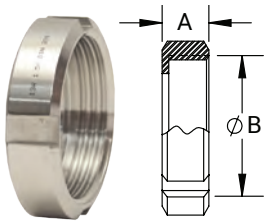
European Fittings – DIN

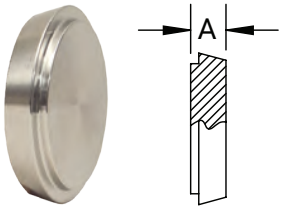
DIN Round Nuts – 13R

Size	A (mm)	B (mm)	304 Stainless Steel Part #
1"	21.0	Rd 52 x 1/6"	13R-G100DIN
1-1/2"		Rd 65 x 1/6"	13R-G150DIN
2"	22.0	Rd 78 x 1/6"	13R-G200DIN
2-1/2"	25.0	Rd 95 x 1/6"	13R-G250DIN
3"	29.0	Rd 110 x 1/4"	13R-G300DIN
4"	31.0	Rd 130 x 1/4"	13R-G400DIN



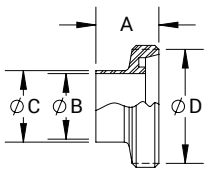
DIN Blank Caps – 16AMP

Size	A (mm)	316 Stainless Steel Part #
1"	13.0	16AMP-R100DIN
1-1/2"		16AMP-R150DIN
2"	14.0	16AMP-R200DIN
2-1/2"	16.0	16AMP-R250DIN
3"		16AMP-R300DIN
4"	20.0	16AMP-R400DIN



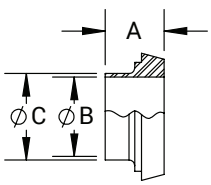
DIN x Tube O.D. Welding Male Adapters – 15A

Tube O.D.	A (mm)	B (mm)	C (mm)	D (mm)	316 Stainless Steel Part #
1"	29.0	22.1	25.4	Rd 52 x 1/6"	15A-R100DIN
1-1/2"	33.0	34.8	38.1	Rd 65 x 1/6"	15A-R150DIN
2"	35.0	47.5	50.8	Rd 78 x 1/6"	15A-R200DIN
2-1/2"	40.0	60.2	63.5	Rd 95 x 1/6"	15A-R250DIN
3"	45.0	72.9	76.2	Rd 110 x 1/4"	15A-R300DIN
4"	54.0	97.4	101.6	Rd 130 x 1/4"	15A-R400DIN



DIN x Tube O.D. Welding Liner Adapters – 14A

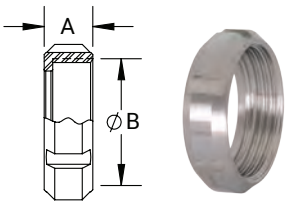
Tube O.D.	A (mm)	B (mm)	C (mm)	316 Stainless Steel Part #
1"	22.0	22.1	25.4	14A-R100DIN
1-1/2"	26.0	34.8	38.1	14A-R150DIN
2"	28.0	47.5	50.8	14A-R200DIN
2-1/2"	32.0	60.2	63.5	14A-R250DIN
3"	37.0	72.9	76.2	14A-R300DIN
4"	44.0	97.4	101.6	14A-R400DIN



NOTE: Manufactured in accordance to Imperial DIN 11851.

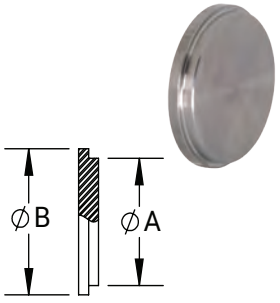
SMS

SMS Round Nuts – 13R



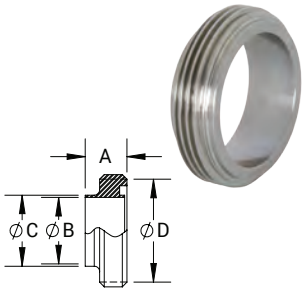
Size	A (mm)	B (mm)	304 Stainless Steel Part #
1"	19.0	Rd 40 x 1/6"	13R-G100SMS
1-1/2"	23.0	Rd 60 x 1/6"	13R-G150SMS
2"	24.0	Rd 70 x 1/6"	13R-G200SMS
2-1/2"	28.0	Rd 85 x 1/6"	13R-G250SMS
3"	30.0	Rd 98 x 1/6"	13R-G300SMS
4"	31.0	Rd 125 x 1/4"	13R-G400SMS

SMS Blank Caps – 16AMP



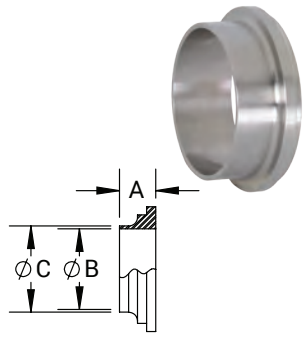
Size	A (mm)	B (mm)	316 Stainless Steel Part #
1"	32.0	35.5	16AMP-R100SMS
1-1/2"	47.9	55.0	16AMP-R150SMS
2"	60.4	65.0	16AMP-R200SMS
2-1/2"	73.5	80.0	16AMP-R250SMS
3"	86.5	93.0	16AMP-R300SMS
4"	112.5	118.0	16AMP-R400SMS

SMS x Tube O.D. Adapters – 15A



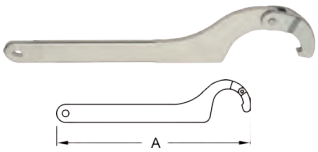
Tube O.D.	A (mm)	B (mm)	C (mm)	D (mm)	316 Stainless Steel Part #
1"	19.0	22.1	25.4	Rd 40 x 1/6"	15A-R100SMS
1-1/2"	23.0	34.8	38.1	Rd 60 x 1/6"	15A-R150SMS
2"	23.0	47.5	50.8	Rd 70 x 1/6"	15A-R200SMS
2-1/2"	27.0	60.2	63.5	Rd 85 x 1/6"	15A-R250SMS
3"	27.0	72.9	76.2	Rd 98 x 1/6"	15A-R300SMS
4"	30.0	97.4	101.6	Rd 125 x 1/4"	15A-R400SMS

SMS x Tube O.D. Welding Liners – 14A



Tube O.D.	A (mm)	B (mm)	C (mm)	316 Stainless Steel Part #
1"	15.5	22.1	25.4	14A-R100SMS
1-1/2"	16.0	34.8	38.1	14A-R150SMS
2"	17.0	47.5	50.8	14A-R200SMS
2-1/2"		60.2	63.5	14A-R250SMS
3"	19.0	72.9	76.2	14A-R300SMS
4"		97.4	101.6	14A-R400SMS

DIN and SMS Spanner Wrenches – SP



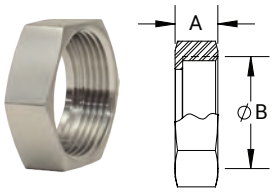
Used On Size	A (mm)	Nickel Plated Steel Part #
1" – 1-1/2"	247.7	DIN-SMS-60/90SP
2" – 4"	330.2	DIN-SMS90/155SP

NOTE: Manufactured in accordance to Swedish Milk Standard ISO 2037 and ISO 2851.

European Fittings – RJT BS: 4825

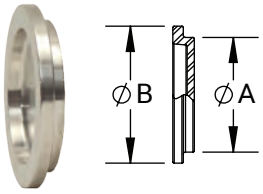
RJT Hex Nuts – 13H

Size	A (mm)	B (mm)	304 Stainless Steel Part #
1"	22.2	42.3 x 8TPI WHIT	13H-G100RJT
1-1/2"		55.0 x 8TPI WHIT	13H-G150RJT
2"		67.9 x 6TPI WHIT	13H-G200RJT
2-1/2"		80.6 x 6TPI WHIT	13H-G250RJT
3"		93.3 x 6TPI WHIT	13H-G300RJT
4"		118.7 x 6TPI WHIT	13H-G400RJT



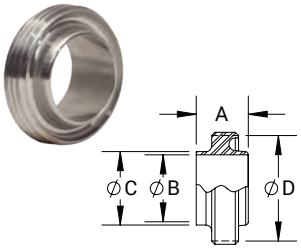
RJT Blank Caps – 13RBN

Size	A (mm)	B (mm)	304 Stainless Steel Part #
1"	32.5	41.3	13RBN-G100RJT
1-1/2"	45.2	54.0	13RBN-G150RJT
2"	57.9	66.7	13RBN-G200RJT
2-1/2"	70.6	79.4	13RBN-G250RJT
3"	83.3	92.1	13RBN-G300RJT
4"	108.7	117.5	13RBN-G400RJT



RJT x Tube O.D. Adapters – 15A

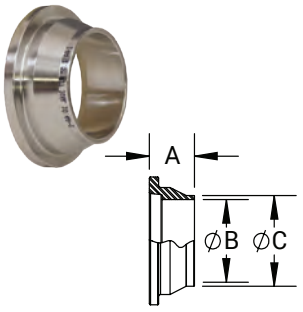
Tube O.D.	A (mm)	B (mm)	C (mm)	D (mm)	316 Stainless Steel Part #
1"	27.0	22.1	25.4	45.7 x 8T	15A-R100RJT
1-1/2"		34.8	38.1	58.4 x 8T	15A-R150RJT
2"		47.5	50.8	72.7 x 6T	15A-R200RJT
2-1/2"		60.2	63.5	85.4 x 6T	15A-R250RJT
3"		72.9	76.2	98.1 x 6T	15A-R300RJT
4"		97.4	101.6	123.5 x 6T	15A-R400RJT



M

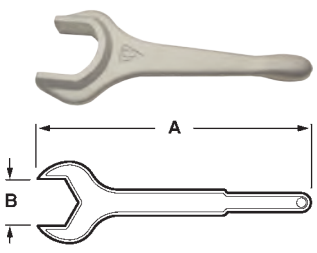
RJT x Tube O.D. Welding Liners – 14A

Tube O.D.	A (mm)	B (mm)	C (mm)	316 Stainless Steel Part #
1"	19.5	22.1	25.4	14A-R100RJT
1-1/2"		34.8	38.1	14A-R150RJT
2"		47.5	50.8	14A-R200RJT
2-1/2"		60.2	63.5	14A-R250RJT
3"		72.9	76.2	14A-R300RJT
4"		97.4	101.6	14A-R400RJT



RJT Spanner Wrenches – SP

Size	A (mm)	B (mm)	Aluminum Part #
1"	254.00	50.80	RJT-100SP
1-1/2"	292.10	65.02	RJT-150SP
2"	304.80	79.25	RJT-200SP
2-1/2"	342.80	91.95	RJT-250SP
3"	368.30	104.65	RJT-300SP
4"	444.50	130.05	RJT-400SP

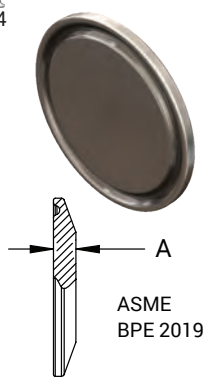


NOTE: Manufactured in accordance to BS 4825.

High Purity BioPharm Fittings

Solid End Caps – T16AMP

A 3 621 63-04

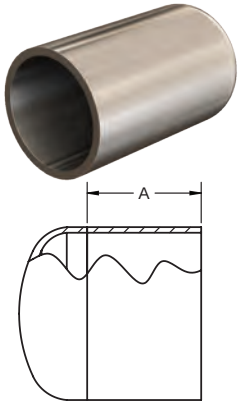


BPE Table DT-4.1.5-2

Tube O.D.	A (in)	PL Finish – SF1	PM Finish – SF4
1/2" – 3/4"	0.187	T16AMP-050075PL	T16AMP-050075PM
1" – 1-1/2"	0.250	T16AMP-100150PL	T16AMP-100150PM
2"		T16AMP-200PL	T16AMP-200PM
2-1/2"		T16AMP-250PL	T16AMP-250PM
3"		T16AMP-300PL	T16AMP-300PM
4"	0.312	T16AMP-400PL	T16AMP-400PM
6"	0.437	T16AMP-600PL	T16AMP-600PM

Weld Caps – T16WA

A 3 621 63-04



BPE Table DT-4.1.5-1

ASME BPE 2024 Type A

Tube O.D.	A (in)	Nominal Wall (in)	PL Finish – SF1	PM Finish – SF4
1/2"	1.500	0.065	T16WA-050PL	T16WA-050PM
3/4"			T16WA-075PL	T16WA-075PM
1"			T16WA-100PL	T16WA-100PM
1-1/2"			T16WA-150PL	T16WA-150PM
2"			T16WA-200PL	T16WA-200PM
2-1/2"			T16WA-250PL	T16WA-250PM
3"	1.750		T16WA-300PL	T16WA-300PM
4"	2.000	0.083	T16WA-400PL	T16WA-400PM
6"	2.500	0.109	T16WA-600PL	T16WA-600PM

NOTE: BPE 2019 Specifications:

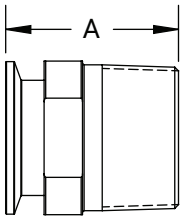
PL Finish – SF1
O.D. = 32Ra Mechanically Polished
I.D. = 20Ra Mechanically Polished

PM Finish – SF4
O.D. = 32Ra Mechanically Polished
I.D. = 15Ra Mechanically Polished and Electropolished

High Purity BioPharm Line

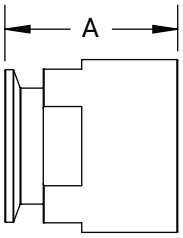
Clamp Adapters x Male NPT – T21MP

Clamp Size	NPT Thread Size	A (in)	PL Finish – SF1
1/2"	1/4"	2.00	T21MP-050025PL
	3/8"		T21MP-050375PL
	1/2"	1.63	T21MP-050PL
	3/4"	2.00	T21MP-050075PL
3/4"	1/4"		T21MP-075025PL
	3/8"		T21MP-075375PL
	1/2"		T21MP-075050PL
	3/4"	1.79	T21MP-075PL
1"	1/2"	2.19	T21MP-100050PL
	1"	2.25	T21MP-100PL
1-1/2"	1-1/2"		T21MP-150PL
2"	2"	2.64	T21MP-200PL
2-1/2"	2-1/2"	2.88	T21MP-250PL
3"	3"	3.07	T21MP-300PL
4"	4"	3.16	T21MP-400PL



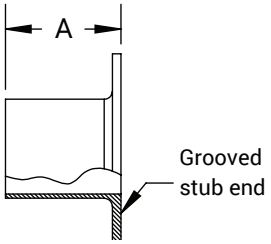
Clamp Adapters x Female NPT – T22MP

Clamp Size	NPT Thread Size	A (in)	PL Finish – SF1
1/2"	1/8"	1.25	T22MP-050125PL
	1/4"	1.50	T22MP-050025PL
	3/8"		T22MP-050375PL
	1/2"		T22MP-050PL
	3/4"	1.63	T22MP-050075PL
3/4"	1/4"	1.50	T22MP-075025PL
	3/8"		T22MP-075375PL
	1/2"		T22MP-075050PL
	3/4"	1.63	T22MP-075PL
1"	1"		T22MP-100PL
1-1/2"	1-1/2"	2.25	T22MP-150PL
2"	2"	2.34	T22MP-200PL
2-1/2"	2-1/2"	2.09	T22MP-250PL
3"	3"	2.19	T22MP-300PL
4"	4"	2.63	T22MP-400PL



Stub Adapters – T14VB

Tube O.D.	A (in)	PL Finish – SF1
1/2"	2.00	T14VB-050PL
3/4"		T14VB-075PL
1"		T14VB-100PL
1-1/2"		T14VB-150PL
2"	2.50	T14VB-200PL
2-1/2"		T14VB-250PL
3"		T14VB-300PL
4"		T14VB-400PL
6"	3.00	T14VB-600PL

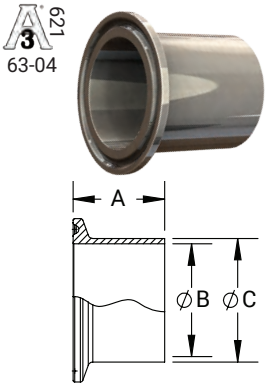


PL Finish – SF1
O.D. = 32Ra Mechanically Polished
I.D. = 20Ra Mechanically Polished

PM Finish – SF4
O.D. = 32Ra Mechanically Polished
I.D. = 15Ra Mechanically Polished and Electropolished

High Purity BioPharm Fittings

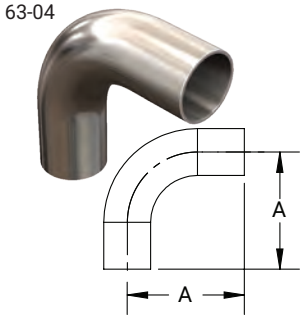
Automatic Weld Ferrules – TL14AM7



BPE Table DT-4.1.4-1
ASME BPE 2019

Tube O.D.	A (in)	B (in)	C (in)	Nominal Wall (in)	PL Finish – SF1	PM Finish – SF4
1/2"	1.750	0.375	0.500	0.065	TL14AM7-050PL	TL14AM7-050PM
3/4"		0.625	0.750		TL14AM7-075PL	TL14AM7-075PM
1"		0.875	1.000		TL14AM7-100PL	TL14AM7-100PM
1-1/2"		1.375	1.500		TL14AM7-150PL	TL14AM7-150PM
2"	2.250	1.875	2.000		TL14AM7-200PL	TL14AM7-200PM
2-1/2"		2.375	2.500		TL14AM7-250PL	TL14AM7-250PM
3"		2.875	3.000		TL14AM7-300PL	TL14AM7-300PM
4"		3.834	4.000	0.083	TL14AM7-400PL	TL14AM7-400PM
6"	3.000	5.782	6.000	0.109	TL14AM7-600PL	TL14AM7-600PM

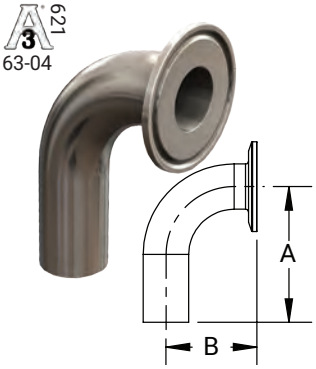
90° Weld Elbows – T2S



BPE Table DT-4.1.1-1
ASME BPE 2019

Tube O.D.	A (in)	Nominal Wall (in)	PL Finish – SF1	PM Finish – SF4
1/2"	3.000	0.065	T2S-050PL	T2S-050PM
3/4"			T2S-075PL	T2S-075PM
1"			T2S-100PL	T2S-100PM
1-1/2"	3.750		T2S-150PL	T2S-150PM
2"	4.750		T2S-200PL	T2S-200PM
2-1/2"	5.500		T2S-250PL	T2S-250PM
3"	6.250		T2S-300PL	T2S-300PM
4"	8.000	0.083	T2S-400PL	T2S-400PM
6"	11.500	0.109	T2S-600PL	T2S-600PM

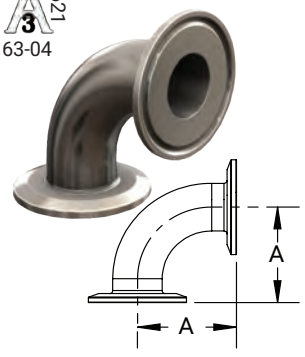
90° Clamp x Weld Elbows – T2CM



BPE Table DT-4.1.1-2
ASME BPE 2019

Tube O.D.	A (in)	B (in)	Nominal Wall (in)	PL Finish – SF1	PM Finish – SF4
1/2"	3.000	1.625	0.065	T2CM-050PL	T2CM-050PM
3/4"				T2CM-075PL	T2CM-075PM
1"		2.000		T2CM-100PL	T2CM-100PM
1-1/2"	3.750	2.750		T2CM-150PL	T2CM-150PM
2"	4.750	3.500		T2CM-200PL	T2CM-200PM
2-1/2"	5.500	4.250		T2CM-250PL	T2CM-250PM
3"	6.250	5.000		T2CM-300PL	T2CM-300PM
4"	8.000	6.625	0.083	T2CM-400PL	T2CM-400PM
6"	11.500	10.500	0.109	T2CM-600PL	T2CM-600PM

90° Clamp x Clamp Elbows – T2CMP



BPE Table DT-4.1.1-3
ASME BPE 2019

Tube O.D.	A (in)	PL Finish – SF1	PM Finish – SF4
1/2"	1.625	T2CMP-050PL	T2CMP-050PM
3/4"		T2CMP-075PL	T2CMP-075PM
1"	2.000	T2CMP-100PL	T2CMP-100PM
1-1/2"	2.750	T2CMP-150PL	T2CMP-150PM
2"	3.500	T2CMP-200PL	T2CMP-200PM
2-1/2"	4.250	T2CMP-250PL	T2CMP-250PM
3"	5.000	T2CMP-300PL	T2CMP-300PM
4"	6.625	T2CMP-400PL	T2CMP-400PM
6"	10.500	T2CMP-600PL	T2CMP-600PM

NOTE: BPE 2019 Specifications:

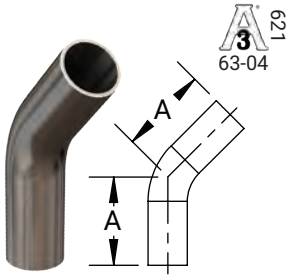
PL Finish – SF1
O.D. = 32Ra Mechanically Polished
I.D. = 20Ra Mechanically Polished

PM Finish – SF4
O.D. = 32Ra Mechanically Polished
I.D. = 15Ra Mechanically Polished and Electropolished

High Purity BioPharm Fittings

45° Weld Elbows – T2KS

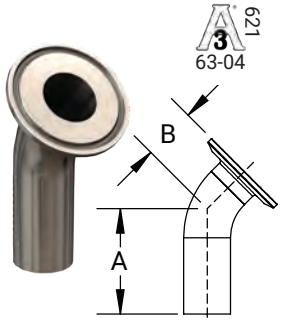
Tube O.D.	A (in)	Nominal Wall (in)	PL Finish – SF1	PM Finish – SF4
1/2"	2.250	0.065	T2KS-050PL	T2KS-050PM
3/4"			T2KS-075PL	T2KS-075PM
1"			T2KS-100PL	T2KS-100PM
1-1/2"	2.500		T2KS-150PL	T2KS-150PM
2"	3.000		T2KS-200PL	T2KS-200PM
2-1/2"	3.375		T2KS-250PL	T2KS-250PM
3"	3.625		T2KS-300PL	T2KS-300PM
4"	4.500	0.083	T2KS-400PL	T2KS-400PM
6"	6.250	0.109	T2KS-600PL	T2KS-600PM



BPE Table DT-4.1.1-4
ASME BPE 2019

45° Clamp x Weld Elbows – T2KM

Tube O.D.	A (in)	B (in)	Nominal Wall (in)	PL Finish – SF1	PM Finish – SF4
1/2"	2.250	1.000	0.065	T2KM-050PL	T2KM-050PM
3/4"				T2KM-075PL	T2KM-075PM
1"		1.125		T2KM-100PL	T2KM-100PM
1-1/2"	2.500	1.438		T2KM-150PL	T2KM-150PM
2"	3.000	1.750		T2KM-200PL	T2KM-200PM
2-1/2"	3.375	2.063		T2KM-250PL	T2KM-250PM
3"	3.625	2.375		T2KM-300PL	T2KM-300PM
4"	4.500	3.125	0.083	T2KM-400PL	T2KM-400PM
6"	6.250	5.250	0.109	T2KM-600PL	T2KM-600PM



BPE Table DT-4.1.1-5
ASME BPE 2019

45° Clamp x Clamp Elbows – T2KMP

Tube O.D.	A (in)	PL Finish – SF1	PM Finish – SF4
1/2"	1.000	T2KMP-050PL	T2KMP-050PM
3/4"		T2KMP-075PL	T2KMP-075PM
1"	1.125	T2KMP-100PL	T2KMP-100PM
1-1/2"	1.438	T2KMP-150PL	T2KMP-150PM
2"	1.750	T2KMP-200PL	T2KMP-200PM
2-1/2"	2.063	T2KMP-250PL	T2KMP-250PM
3"	2.375	T2KMP-300PL	T2KMP-300PM
4"	3.125	T2KMP-400PL	T2KMP-400PM
6"	5.250	T2KMP-600PL	T2KMP-600PM

BPE Table DT-4.1.1-6
ASME BPE 2019

88° Weld Elbows – T2S88

Tube O.D.	A (in)	R (in)	Nominal Wall (in)	PL Finish – SF1	PM Finish – SF4
1/2"	1.94	1.06	0.065	T2S88-050PL	T2S88-050PM
3/4"	1.98	1.02		T2S88-075PL	T2S88-075PM
1"	1.50	1.50		T2S88-100PL	T2S88-100PM
1-1/2"		2.25		T2S88-150PL	T2S88-150PM
2"	1.75	3.00		T2S88-200PL	T2S88-200PM
2-1/2"		3.75		T2S88-250PL	T2S88-250PM
3"		4.50		T2S88-300PL	T2S88-300PM
4"	2.00	6.00	0.083	T2S88-400PL	T2S88-400PM
6"	2.50	9.00	0.109	T2S88-600PL	T2S88-600PM

92° Weld Elbows – T2S92

Tube O.D.	A (in)	R (in)	Nominal Wall (in)	PL Finish – SF1	PM Finish – SF4
1/2"	1.94	1.06	0.065	T2S92-050PL	T2S92-050PM
3/4"	1.98	1.02		T2S92-075PL	T2S92-075PM
1"	1.50	1.50		T2S92-100PL	T2S92-100PM
1-1/2"		2.25		T2S92-150PL	T2S92-150PM
2"	1.75	3.00		T2S92-200PL	T2S92-200PM
2-1/2"		3.75		T2S92-250PL	T2S92-250PM
3"		4.50		T2S92-300PL	T2S92-300PM
4"	2.00	6.00	0.083	T2S92-400PL	T2S92-400PM
6"	2.50	9.00	0.109	T2S92-600PL	T2S92-600PM

NOTE: BPE 2019 Specifications

PL Finish – SF1
O.D. = 32Ra Mechanically Polished
I.D. = 20Ra Mechanically Polished

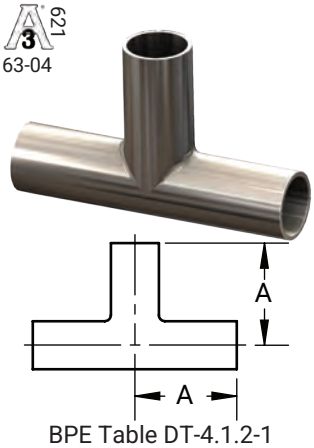
PM Finish – SF4
O.D. = 32Ra Mechanically Polished
I.D. = 15Ra Mechanically Polished and Electropolished

M

High Purity BioPharm Fittings

Weld x Weld x Weld Tees – T7WWW

63-04

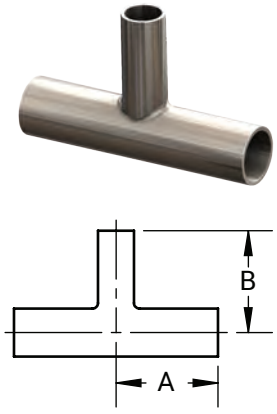


BPE Table DT-4.1.2-1
ASME BPE 2019

Tube O.D.	A (in)	Nominal Wall (in)	PL Finish – SF1	PM Finish – SF4
1/2"	1.875	0.065	T7WWW-050PL	T7WWW-050PM
3/4"	2.000		T7WWW-075PL	T7WWW-075PM
1"	2.125		T7WWW-100PL	T7WWW-100PM
1-1/2"	2.375		T7WWW-150PL	T7WWW-150PM
2"	2.875		T7WWW-200PL	T7WWW-200PM
2-1/2"	3.125		T7WWW-250PL	T7WWW-250PM
3"	3.375		T7WWW-300PL	T7WWW-300PM
4"	4.125	0.083	T7WWW-400PL	T7WWW-400PM
6"	5.625	0.109	T7WWW-600PL	T7WWW-600PM

Weld x Weld x Weld Reducing Tees – T7RWWW

63-04



BPE Table DT-4.1.2-6
ASME BPE 2019

Tube O.D.	A (in)	B (in)	Nominal Wall (in)	PL Finish – SF1	PM Finish – SF4
3/4" x 1/2"	2.000	2.000	0.065 x 0.065	T7RWWW-075050PL	T7RWWW-075050PM
1" X 1/2"	2.125	2.125		T7RWWW-100050PL	T7RWWW-100050PM
1" X 3/4"				T7RWWW-10075PL	T7RWWW-10075PM
1-1/2" X 1/2"	2.375	2.375		T7RWWW-150050PL	T7RWWW-150050PM
1-1/2" X 3/4"				T7RWWW-150075PL	T7RWWW-150075PM
1-1/2" X 1"				T7RWWW-150100PL	T7RWWW-150100PM
2 X 1/2"	2.875	2.625		T7RWWW-200050PL	T7RWWW-200050PM
2" X 3/4"				T7RWWW-200075PL	T7RWWW-200075PM
2" X 1"				T7RWWW-200100PL	T7RWWW-200100PM
2" X 1-1/2"				T7RWWW-200150PL	T7RWWW-200150PM
2-1/2" X 1/2"	3.125	2.875		T7RWWW-250050PL	T7RWWW-250050PM
2-1/2" X 3/4"				T7RWWW-250075PL	T7RWWW-250075PM
2-1/2" X 1"				T7RWWW-250100PL	T7RWWW-250100PM
2-1/2" X 1-1/2"				T7RWWW-250150PL	T7RWWW-250150PM
2-1/2" X 2"				T7RWWW-250200PL	T7RWWW-250200PM
3" X 1/2"	3.375	3.125		T7RWWW-300050PL	T7RWWW-300050PM
3" X 3/4"				T7RWWW-300075PL	T7RWWW-300075PM
3" X 1"				T7RWWW-300100PL	T7RWWW-300100PM
3" X 1-1/2"				T7RWWW-300150PL	T7RWWW-300150PM
3" X 2"				T7RWWW-300200PL	T7RWWW-300200PM
3" X 2-1/2"				T7RWWW-300250PL	T7RWWW-300250PM
4" X 1/2"	4.125	3.625	0.083 x 0.065	T7RWWW-400050PL	T7RWWW-400050PM
4" X 3/4"				T7RWWW-400075PL	T7RWWW-400075PM
4" X 1"				T7RWWW-400100PL	T7RWWW-400100PM
4" X 1-1/2"				T7RWWW-400150PL	T7RWWW-400150PM
4" X 2"		3.875		T7RWWW-400200PL	T7RWWW-400200PM
4" X 2-1/2"				T7RWWW-400250PL	T7RWWW-400250PM
4" X 3"				T7RWWW-400300PL	T7RWWW-400300PM
6" X 3"	5.625	4.875	0.109 x 0.065	T7RWWW-600300PL	T7RWWW-600300PM
6" X 4"		5.125	0.109 x 0.083	T7RWWW-600400PL	T7RWWW-600400PM

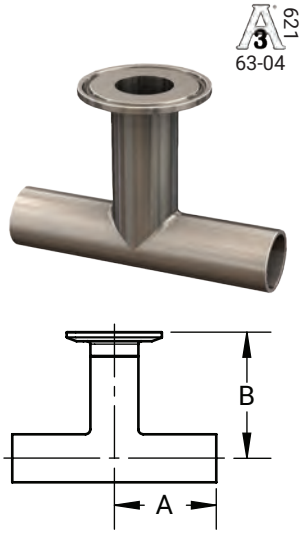
NOTE: BPE 2019 Specifications

PL Finish – SF1
O.D. = 32Ra Mechanically Polished
I.D. = 20Ra Mechanically Polished

PM Finish – SF4
O.D. = 32Ra Mechanically Polished
I.D. = 15Ra Mechanically Polished and Electropolished

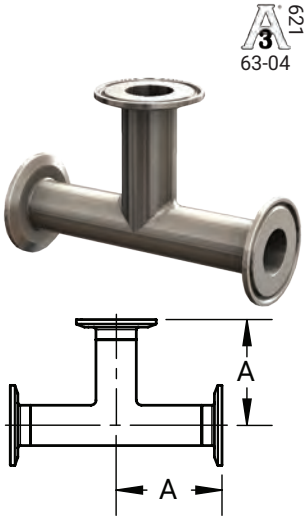
High Purity BioPharm Fittings

Weld x Weld x Clamp Tees – T7WWM



Tube O.D.	A (in)	B (in)	Nominal Wall (in)	PL Finish – SF1	PM Finish – SF4
1/2"	1.88	2.25	0.065	T7WWM-050PL	T7WWM-050PM
3/4"	2.00	2.38		T7WWM-075PL	T7WWM-075PM
1"	2.13	2.63		T7WWM-100PL	T7WWM-100PM
1-1/2"	2.38	2.88		T7WWM-150PL	T7WWM-150PM
2"	2.88	3.38		T7WWM-200PL	T7WWM-200PM
2-1/2"	3.13	3.63		T7WWM-250PL	T7WWM-250PM
3"	3.38	3.88		T7WWM-300PL	T7WWM-300PM
4"	4.13	4.75	0.083	T7WWM-400PL	T7WWM-400PM
6"	5.63	7.13	0.109	T7WWM-600PL	T7WWM-600PM

Clamp x Clamp x Clamp Tees – T7MP



Tube O.D.	A (in)	PL Finish – SF1	PM Finish – SF4
1/2"	2.375	T7MP-050PL	T7MP-050PM
3/4"	2.500	T7MP-075PL	T7MP-075PM
1"	2.625	T7MP-100PL	T7MP-100PM
1-1/2"	2.875	T7MP-150PL	T7MP-150PM
2"	3.375	T7MP-200PL	T7MP-200PM
2-1/2"	3.625	T7MP-250PL	T7MP-250PM
3"	3.875	T7MP-300PL	T7MP-300PM
4"	4.750	T7MP-400PL	T7MP-400PM
6"	7.125	T7MP-600PL	T7MP-600PM

BPE Table DT-4.1.2-4
ASME BPE 2019

M

NOTE: BPE 2019 Specifications:

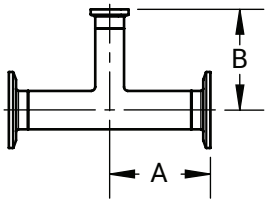
PL Finish – SF1
O.D. = 32Ra Mechanically Polished
I.D. = 20Ra Mechanically Polished

PM Finish – SF4
O.D. = 32Ra Mechanically Polished
I.D. = 15Ra Mechanically Polished and Electropolished

High Purity BioPharm Fittings

3-A 621 63-04

Clamp x Clamp x Clamp Reducing Tees – T7RMP



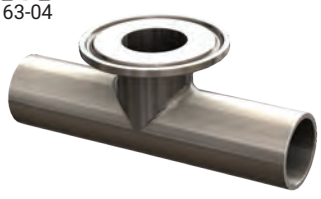
BPE Table DT-4.1.2-8
ASME BPE 2019

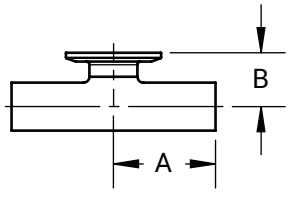
Tube O.D.	A (in)	B (in)	PL Finish – SF1	PM Finish – SF4
3/4" x 1/2"	2.500	2.500	T7RMP-075050PL	T7RMP-075050PM
1" x 1/2"	2.625	2.625	T7RMP-100050PL	T7RMP-100050PM
1" x 3/4"			T7RMP-100075PL	T7RMP-100075PM
1-1/2" x 1/2"	2.875	2.875	T7RMP-150050PL	T7RMP-150050PM
1-1/2" x 3/4"			T7RMP-150075PL	T7RMP-150075PM
1-1/2" x 1"			T7RMP-150100PL	T7RMP-150100PM
2" x 1/2"	3.375	3.125	T7RMP-200050PL	T7RMP-200050PM
2" x 3/4"			T7RMP-200075PL	T7RMP-200075PM
2" x 1"			T7RMP-200100PL	T7RMP-200100PM
2" x 1-1/2"			T7RMP-200150PL	T7RMP-200150PM
2-1/2" x 1/2"	3.625	3.375	T7RMP-250050PL	T7RMP-250050PM
2-1/2" x 3/4"			T7RMP-250075PL	T7RMP-250075PM
2-1/2" x 1"			T7RMP-250100PL	T7RMP-250100PM
2-1/2" x 1-1/2"			T7RMP-250150PL	T7RMP-250150PM
2-1/2" x 2"			T7RMP-250200PL	T7RMP-250200PM
3" x 1/2"	3.875	3.625	T7RMP-300050PL	T7RMP-300050PM
3" x 3/4"			T7RMP-300075PL	T7RMP-300075PM
3" x 1"			T7RMP-300100PL	T7RMP-300100PM
3" x 1-1/2"			T7RMP-300150PL	T7RMP-300150PM
3" x 2"			T7RMP-300200PL	T7RMP-300200PM
3" x 2-1/2"			T7RMP-300250PL	T7RMP-300250PM
4" x 1/2"	4.750	4.125	T7RMP-400050PL	T7RMP-400050PM
4" x 3/4"			T7RMP-400075PL	T7RMP-400075PM
4" x 1"			T7RMP-400100PL	T7RMP-400100PM
4" x 1-1/2"			T7RMP-400150PL	T7RMP-400150PM
4" x 2"		4.375	T7RMP-400200PL	T7RMP-400200PM
4" x 2-1/2"			T7RMP-400250PL	T7RMP-400250PM
4" x 3"			T7RMP-400300PL	T7RMP-400300PM
6" x 3"	7.125	5.375	T7RMP-600300PL	T7RMP-600300PM
6" x 4"		5.750	T7RMP-600400PL	T7RMP-600400PM

M

3-A 621 63-04

Weld x Weld x Clamp Short Outlet Tees – T7WWMS





BPE Table DT-4.1.2-2
ASME BPE 2019

Tube O.D.	A (in)	B (in)	Nominal wall (in)	PL Finish – SF1	PM Finish – SF4
1/2"	1.875	1.000	0.065	T7WWMS-050PL	T7WWMS-050PM
3/4"	2.000	1.125		T7WWMS-075PL	T7WWMS-075PM
1"	2.125	1.125		T7WWMS-100PL	T7WWMS-100PM
1-1/2"	2.375	1.375		T7WWMS-150PL	T7WWMS-150PM
2"	2.875	1.625		T7WWMS-200PL	T7WWMS-200PM
2-1/2"	3.125	1.875		T7WWMS-250PL	T7WWMS-250PM
3"	3.375	2.125		T7WWMS-300PL	T7WWMS-300PM
4"	4.125	2.750	0.083	T7WWMS-400PL	T7WWMS-400PM
6"	5.625	4.625	0.109	T7WWMS-600PL	T7WWMS-600PM

NOTE: BPE 2019 Specifications:

PL Finish – SF1
O.D. = 32Ra Mechanically Polished
I.D. = 20Ra Mechanically Polished

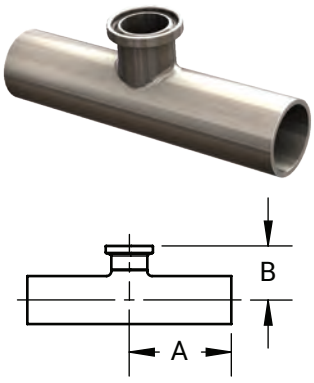
PM Finish – SF4
O.D. = 32Ra Mechanically Polished
I.D. = 15Ra Mechanically Polished and Electropolished

High Purity BioPharm Line

Weld x Weld x Clamp Short Outlet Reducing Tees – T7RWWMS

3-A 621 63-04

Tube O.D.	A (in)	B (in)	Nominal Wall (in)	PL Finish – SF1	PM Finish – SF4
3/4" x 1/2"	2.000	1.000	0.065	T7RWWMS075050PL	T7RWWMS075050PM
1" x 1/2"	2.125	1.125		T7RWWMS100050PL	T7RWWMS100050PM
1" x 3/4"				T7RWWMS100075PL	T7RWWMS100075PM
1-1/2" x 1/2"	2.375	1.375		T7RWWMS150050PL	T7RWWMS150050PM
1-1/2" x 3/4"				T7RWWMS150075PL	T7RWWMS150075PM
1-1/2" x 1"				T7RWWMS150100PL	T7RWWMS150100PM
2" x 1/2"	2.875	1.625		T7RWWMS200050PL	T7RWWMS200050PM
2" x 3/4"				T7RWWMS200075PL	T7RWWMS200075PM
2" x 1"				T7RWWMS200100PL	T7RWWMS200100PM
2" x 1-1/2"				T7RWWMS200150PL	T7RWWMS200150PM
2-1/2" x 1/2"	3.125	1.875		T7RWWMS250050PL	T7RWWMS250050PM
2-1/2" x 3/4"				T7RWWMS250075PL	T7RWWMS250075PM
2-1/2" x 1"				T7RWWMS250100PL	T7RWWMS250100PM
2-1/2" x 1-1/2"				T7RWWMS250150PL	T7RWWMS250150PM
2-1/2" x 2"				T7RWWMS250200PL	T7RWWMS250200PM
3" x 1/2"	3.375	2.125		T7RWWMS300050PL	T7RWWMS300050PM
3" x 3/4"				T7RWWMS300075PL	T7RWWMS300075PM
3" x 1"				T7RWWMS300100PL	T7RWWMS300100PM
3" x 1-1/2"				T7RWWMS300150PL	T7RWWMS300150PM
3" x 2"				T7RWWMS300200PL	T7RWWMS300200PM
3" x 2-1/2"				T7RWWMS300250PL	T7RWWMS300250PM
4" x 1/2"	4.125	2.625	0.083	T7RWWMS400050PL	T7RWWMS400050PM
4" x 3/4"				T7RWWMS400075PL	T7RWWMS400075PM
4" x 1"				T7RWWMS400100PL	T7RWWMS400100PM
4" x 1-1/2"				T7RWWMS400150PL	T7RWWMS400150PM
4" x 2"				T7RWWMS400200PL	T7RWWMS400200PM
4" x 2-1/2"				T7RWWMS400250PL	T7RWWMS400250PM
4" x 3"				T7RWWMS400300PL	T7RWWMS400300PM
6" x 3"	5.625	3.625	0.109	T7RWWMS600300PL	T7RWWMS600300PM
6" x 4"		3.750		T7RWWMS600400PL	T7RWWMS600400PM



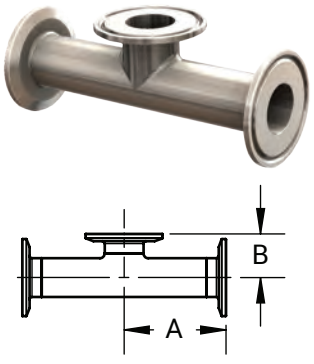
BPE Table DT-4.1.2-7
ASME BPE 2019

M

Clamp x Clamp x Clamp Short Outlet Tees – T7MPS

3-A 621 63-04

Tube O.D.	A (in)	B (in)	PL Finish – SF1	PM Finish – SF4
1/2"	2.375	1.000	T7MPS-050PL	T7MPS-050PM
3/4"	2.500	1.125	T7MPS-075PL	T7MPS-075PM
1"	2.625	1.125	T7MPS-100PL	T7MPS-100PM
1-1/2"	2.875	1.375	T7MPS-150PL	T7MPS-150PM
2"	3.375	1.625	T7MPS-200PL	T7MPS-200PM
2-1/2"	3.625	1.875	T7MPS-250PL	T7MPS-250PM
3"	3.875	2.125	T7MPS-300PL	T7MPS-300PM
4"	4.750	2.750	T7MPS-400PL	T7MPS-400PM
6"	7.125	4.625	T7MPS-600PL	T7MPS-600PM



BPE Table DT-4.1.2-5
ASME BPE 2019

NOTE: BPE 2019 Specifications:

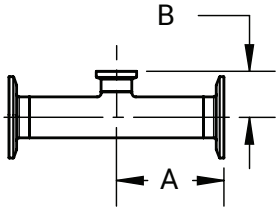
PL Finish – SF1
O.D. = 32Ra Mechanically Polished
I.D. = 20Ra Mechanically Polished

PM Finish – SF4
O.D. = 32Ra Mechanically Polished
I.D. = 15Ra Mechanically Polished and Electropolished

High Purity BioPharm Line

Clamp x Clamp x Clamp Short Outlet Reducing Tees – T7RMPS

3-A 621 63-04

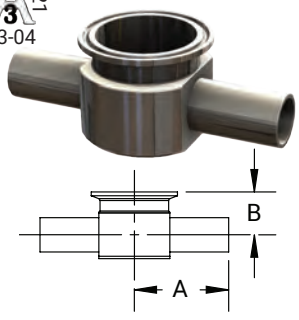


BPE Table DT-4.1.2-9
ASME BPE 2019

Tube O.D.	A (in)	B (in)	PL Finish – SF1	PM Finish – SF4
3/4" x 1/2"	2.500	1.000	T7RMPS-075050PL	T7RMPS-075050PM
1" x 1/2"	2.625	1.125	T7RMPS-100050PL	T7RMPS-100050PM
1" x 3/4"			T7RMPS-100075PL	T7RMPS-100075PM
1-1/2" x 1/2"	2.875	1.375	T7RMPS-150050PL	T7RMPS-150050PM
1-1/2" x 3/4"			T7RMPS-150075PL	T7RMPS-150075PM
1-1/2" x 1"			T7RMPS-150100PL	T7RMPS-150100PM
2" x 1/2"	3.375	1.625	T7RMPS-200050PL	T7RMPS-200050PM
2" x 3/4"			T7RMPS-200075PL	T7RMPS-200075PM
2" x 1"			T7RMPS-200100PL	T7RMPS-200100PM
2" x 1-1/2"			T7RMPS-200150PL	T7RMPS-200150PM
2-1/2" x 1/2"	3.625	1.875	T7RMPS-250050PL	T7RMPS-250050PM
2-1/2" x 3/4"			T7RMPS-250075PL	T7RMPS-250075PM
2-1/2" x 1"			T7RMPS-250100PL	T7RMPS-250100PM
2-1/2" x 1-1/2"			T7RMPS-250150PL	T7RMPS-250150PM
2-1/2" x 2"			T7RMPS-250200PL	T7RMPS-250200PM
3" x 1/2"	3.875	2.125	T7RMPS-300050PL	T7RMPS-300050PM
3" x 3/4"			T7RMPS-300075PL	T7RMPS-300075PM
3" x 1"			T7RMPS-300100PL	T7RMPS-300100PM
3" x 1-1/2"			T7RMPS-300150PL	T7RMPS-300150PM
3" x 2"			T7RMPS-300200PL	T7RMPS-300200PM
3" x 2-1/2"			T7RMPS-300250PL	T7RMPS-300250PM
4" x 1/2"	4.750	2.625	T7RMPS-400050PL	T7RMPS-400050PM
4" x 3/4"			T7RMPS-400075PL	T7RMPS-400075PM
4" x 1"			T7RMPS-400100PL	T7RMPS-400100PM
4" x 1-1/2"			T7RMPS-400150PL	T7RMPS-400150PM
4" x 2"			T7RMPS-400200PL	T7RMPS-400200PM
4" x 2-1/2"			T7RMPS-400250PL	T7RMPS-400250PM
4" x 3"			T7RMPS-400300PL	T7RMPS-400300PM
6" x 3"	7.125	3.625	T7RMPS-600300PL	T7RMPS-600300PM
6" x 4"		3.750	T7RMPS-600400PL	T7RMPS-600400PM

M

3-A 621 63-04

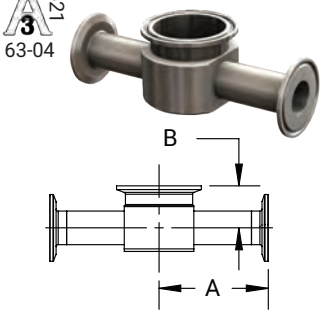


BPE Table DT-4.1.2-10
ASME BPE 2019

Weld x Weld x Clamp Instrument Tees – T7IWWMS

Tube O.D.	A (in)	B (in)	Nominal Wall (in)	PL Finish – SF1	PM Finish – SF4
1/2" x 1-1/2"	2.500	0.875	0.065	T7IWWMS050150PL	T7IWWMS050150PM
3/4" x 1-1/2"		1.000		T7IWWMS075150PL	T7IWWMS075150PM
1" x 1-1/2"		1.125		T7IWWMS100150PL	T7IWWMS100150PM
1/2" x 2"	2.750	1.000		T7IWWMS050200PL	T7IWWMS050200PM
3/4" x 2"		1.125		T7IWWMS075200PL	T7IWWMS075200PM
1" X 2"		1.250		T7IWWMS100200PL	T7IWWMS100200PM
1-1/2" X 2"		1.500		T7IWWMS150200PL	T7IWWMS150200PM

3-A 621 63-04



Clamp x Clamp x Clamp Instrument Tees – T7IMPS

Tube O.D.	A (in)	B (in)	PL Finish – SF1	PM Finish – SF4
1/2" x 1-1/2"	3.000	0.875	T7IMPS-050150PL	T7IMPS-050150PM
3/4" x 1-1/2"		1.000	T7IMPS-075150PL	T7IMPS-075150PM
1" x 1-1/2"		1.125	T7IMPS-100150PL	T7IMPS-100150PM
1/2" x 2"	3.250	1.000	T7IMPS-050200PL	T7IMPS-050200PM
3/4" x 2"		1.125	T7IMPS-075200PL	T7IMPS-075200PM
1" X 2"		1.250	T7IMPS-100200PL	T7IMPS-100200PM
1-1/2" X 2"		1.500	T7IMPS150200PL	T7IMPS150200PM

NOTE: BPE 2019 Specifications:
BPE Table DT-4.1.2-11
ASME BPE 2019

PL Finish – SF1
O.D. = 32Ra Mechanically Polished
I.D. = 20Ra Mechanically Polished

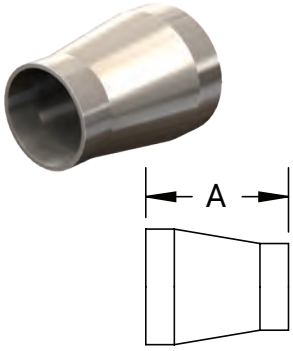
PM Finish – SF4
O.D. = 32Ra Mechanically Polished
I.D. = 15Ra Mechanically Polished and Electropolished

High Purity BioPharm Fittings

Weld x Weld Concentric Reducers – 2211C

A3 621 63-04

Size	A (in)	Nominal Wall (in)	PL finish – SF1	PM finish – SF4
3/4" x 1/2"	2.125	0.065 x 0.065	2211CBB075050F1	2211CBB075050F4
1" x 1/2"	2.500		2211CBB100050F1	2211CBB100050F4
1" x 3/4"	2.125		2211CBB100075F1	2211CBB100075F4
1-1/2" x 3/4"	3.000		2211CBB150075F1	2211CBB150075F4
1-1/2" x 1"	2.500		2211CBB150100F1	2211CBB150100F4
2" x 1"	3.375		2211CBB200100F1	2211CBB200100F4
2" x 1-1/2"	2.500		2211CBB200150F1	2211CBB200150F4
2-1/2" x 1-1/2"	3.375		2211CBB250150F1	2211CBB250150F4
2-1/2" x 2"	2.500		2211CBB250200F1	2211CBB250200F4
3" x 1-1/2"	4.250		2211CBB300150F1	2211CBB300150F4
3" x 2"	3.375		2211CBB300200F1	2211CBB300200F4
3" x 2-1/2"	2.625		2211CBB300250F1	2211CBB300250F4
4" x 2"	5.125	0.083 x 0.065	2211CBB400200F1	2211CBB400200F4
4" x 2-1/2"	4.250		2211CBB400250F1	2211CBB400250F4
4" x 3"	3.875		2211CBB400300F1	2211CBB400300F4
6" x 3"	7.250	0.109 x 0.065	2211CBB600300F1	2211CBB600300F4
6" x 4"	5.625	0.109 x 0.083	2211CBB600400F1	2211CBB600400F4

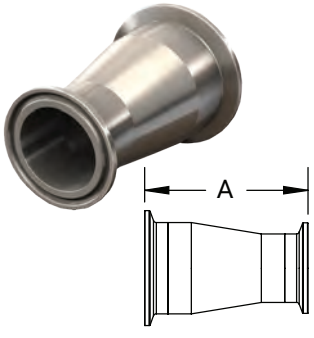


BPE Table DT-4.1.3-1
ASME BPE 2019

Clamp x Clamp Concentric Reducers – 2221C

A3 621 63-04

Size	A (in)	PL finish – SF1	PM finish – SF4
3/4" x 1/2"	3.125	2221CBB075050F1	2221CBB075050F4
1" x 1/2"	3.500	2221CBB100050F1	2221CBB100050F4
1" x 3/4"	3.125	2221CBB100075F1	2221CBB100075F4
1-1/2" x 3/4"	4.000	2221CBB150075F1	2221CBB150075F4
1-1/2" x 1"	3.500	2221CBB150100F1	2221CBB150100F4
2" x 1"	4.375	2221CBB200100F1	2221CBB200100F4
2" x 1-1/2"	3.500	2221CBB200150F1	2221CBB200150F4
2-1/2" x 1-1/2"	4.375	2221CBB250150F1	2221CBB250150F4
2-1/2" x 2"	3.500	2221CBB250200F1	2221CBB250200F4
3" x 1-1/2"	5.250	2221CBB300150F1	2221CBB300150F4
3" x 2"	4.375	2221CBB300200F1	2221CBB300200F4
3" x 2-1/2"	3.625	2221CBB300250F1	2221CBB300250F4
4" x 2"	6.250	2221CBB400200F1	2221CBB400200F4
4" x 2-1/2"	5.375	2221CBB400250F1	2221CBB400250F4
4" x 3"	5.000	2221CBB400300F1	2221CBB400300F4
6" x 3"	8.500	2221CBB600300F1	2221CBB600300F4
6" x 4"	7.000	2221CBB600400F1	2221CBB600400F4



BPE Table DT-4.1.3-3
ASME BPE 2019

M

NOTE: BPE 2019 Specifications:

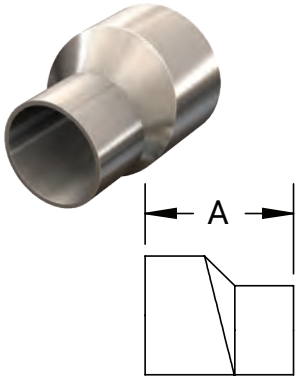
PL Finish – SF1
O.D. = 32Ra Mechanically Polished
I.D. = 20Ra Mechanically Polished

PM Finish – SF4
O.D. = 32Ra Mechanically Polished
I.D. = 15Ra Mechanically Polished and Electropolished

High Purity BioPharm Fittings

A3 621
63-04

Weld x Weld Eccentric Reducers – 2211E

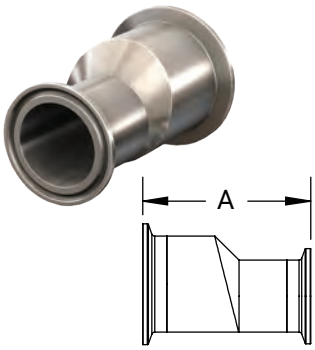


BPE Table DT-4.1.3-1
ASME BPE 2019

Tube O.D.	A (in)	Nominal Wall (in)	PL finish – SF1	PM finish – SF4
3/4" x 1/2"	2.125	0.065 x 0.065	2211EBB075050F1	2211EBB075050F4
1" x 1/2"	2.500		2211EBB100050F1	2211EBB100050F4
1" x 3/4"	2.125		2211EBB100075F1	2211EBB100075F4
1-1/2" x 3/4"	3.000		2211EBB150075F1	2211EBB150075F4
1-1/2" x 1"	2.500		2211EBB150100F1	2211EBB150100F4
2" x 1"	3.375		2211EBB200100F1	2211EBB200100F4
2" x 1-1/2"	2.500		2211EBB200150F1	2211EBB200150F4
2-1/2" x 1-1/2"	3.375		2211EBB250150F1	2211EBB250150F4
2-1/2" x 2"	2.500		2211EBB250200F1	2211EBB250200F4
3" x 1-1/2"	4.250		2211EBB300150F1	2211EBB300150F4
3" x 2"	3.375		2211EBB300200F1	2211EBB300200F4
3" x 2-1/2"	2.625		2211EBB300250F1	2211EBB300250F4
4" x 2"	5.125	0.083 x 0.065	2211EBB400200F1	2211EBB400200F4
4" x 2-1/2"	4.250		2211EBB400250F1	2211EBB400250F4
4" x 3"	3.875		2211EBB400300F1	2211EBB400300F4
6" x 3"	7.250	0.109 x 0.065	2211EBB600300F1	2211EBB600300F4
6" x 4"	5.625	0.109 x 0.083	2211EBB600400F1	2211EBB600400F4

A3 621
63-04

Clamp x Clamp Eccentric Reducers – 2221E



BPE Table DT-4.1.3-3
ASME BPE 2019

Tube O.D.	A (in)	PL finish – SF1	PM finish – SF4
3/4" x 1/2"	3.125	2221EBB075050F1	2221EBB075050F4
1" x 1/2"	3.500	2221EBB100050F1	2221EBB100050F4
1" x 3/4"	3.125	2221EBB100075F1	2221EBB100075F4
1-1/2" x 3/4"	4.000	2221EBB150075F1	2221EBB150075F4
1-1/2" x 1"	3.500	2221EBB150100F1	2221EBB150100F4
2" x 1"	4.375	2221EBB200100F1	2221EBB200100F4
2" x 1-1/2"	3.500	2221EBB200150F1	2221EBB200150F4
2-1/2" x 1-1/2"	4.375	2221EBB250150F1	2221EBB250150F4
2-1/2" x 2"	3.500	2221EBB250200F1	2221EBB250200F4
3" x 1-1/2"	5.250	2221EBB300150F1	2221EBB300150F4
3" x 2"	4.375	2221EBB300200F1	2221EBB300200F4
3" x 2-1/2"	3.625	2221EBB300250F1	2221EBB300250F4
4" x 2"	6.250	2221EBB400200F1	2221EBB400200F4
4" x 2-1/2"	5.375	2221EBB400250F1	2221EBB400250F4
4" x 3"	5.000	2221EBB400300F1	2221EBB400300F4
6" x 3"	8.500	2221EBB600300F1	2221EBB600300F4
6" x 4"	7.000	2221EBB600400F1	2221EBB600400F4

NOTE: BPE 2019 Specifications:

PL Finish – SF1
O.D. = 32Ra Mechanically Polished
I.D. = 20Ra Mechanically Polished

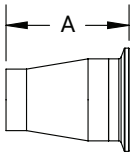
PM Finish – SF4
O.D. = 32Ra Mechanically Polished
I.D. = 15Ra Mechanically Polished and Electropolished

High Purity BioPharm Fittings

Clamp x Weld Concentric Reducers – 2226C

A 621 3 63-04

Tube O.D.	A (in)	Nominal Wall (in)	PL Finish – SF1	PM Finish – SF4
3/4" x 1/2"	2.625	0.065	2226CBB075050F1	2226CBB075050F4
1" x 1/2"	3.000		2226CBB100050F1	2226CBB100050F4
1" x 3/4"	2.625		2226CBB100075F1	2226CBB100075F4
1-1/2" x 3/4"	3.500		2226CBB150075F1	2226CBB150075F4
1-1/2" x 1"	3.000		2226CBB150100F1	2226CBB150100F4
2" x 1"	3.875		2226CBB200100F1	2226CBB200100F4
2" x 1-1/2"	3.000		2226CBB200150F1	2226CBB200150F4
2-1/2" x 1-1/2"	3.875		2226CBB250150F1	2226CBB250150F4
2-1/2" x 2"	3.000		2226CBB250200F1	2226CBB250200F4
3" x 1-1/2"	4.750		2226CBB300150F1	2226CBB300150F4
3" x 2"	3.875		2226CBB300200F1	2226CBB300200F4
3" x 2-1/2"	3.125		2226CBB300250F1	2226CBB300250F4
4" x 2"	5.750		2226CBB400200F1	2226CBB400200F4
4" x 2-1/2"	4.875		2226CBB400250F1	2226CBB400250F4
4" x 3"	4.500		2226CBB400300F1	2226CBB400300F4

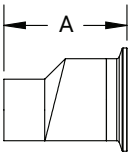


ASME BPE 2019

Clamp x Weld Eccentric Reducers – 2226E

A 621 3 63-04

Tube O.D.	A (in)	Nominal Wall (in)	PL Finish – SF1	PM Finish – SF4
3/4" x 1/2"	2.625	0.065	2226EBB075050F1	2226EBB075050F4
1" x 1/2"	3.000		2226EBB100050F1	2226EBB100050F4
1" x 3/4"	2.625		2226EBB100075F1	2226EBB100075F4
1-1/2" x 3/4"	3.500		2226EBB150075F1	2226EBB150075F4
1-1/2" x 1"	3.000		2226EBB150100F1	2226EBB150100F4
2" x 1"	3.875		2226EBB200100F1	2226EBB200100F4
2" x 1-1/2"	3.000		2226EBB200150F1	2226EBB200150F4
2-1/2" x 1-1/2"	3.875		2226EBB250150F1	2226EBB250150F4
2-1/2" x 2"	3.000		2226EBB250200F1	2226EBB250200F4
3" x 1-1/2"	4.750		2226EBB300150F1	2226EBB300150F4
3" x 2"	3.875		2226EBB300200F1	2226EBB300200F4
3" x 2-1/2"	3.125		2226EBB300250F1	2226EBB300250F4
4" x 2"	5.750		2226EBB400200F1	2226EBB400200F4
4" x 2-1/2"	4.875		2226EBB400250F1	2226EBB400250F4
4" x 3"	4.500		2226EBB400300F1	2226EBB400300F4



ASME BPE 2019

M

NOTE: BPE 2019 Specifications:

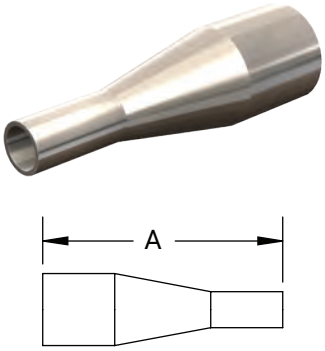
PL Finish – SF1
O.D. = 32Ra Mechanically Polished
I.D. = 20Ra Mechanically Polished

PM Finish – SF4
O.D. = 32Ra Mechanically Polished
I.D. = 15Ra Mechanically Polished and Electropolished

3-A 621
63-04

High Purity BioPharm Fittings

Weld x Weld Concentric Reducers – T31W



Tube O.D.	A (in)	Nominal Wall (in)	2007 BPE	2012 BPE	PL Finish – SF1	PM Finish – SF4
3/4" x 1/2"	4.000	.065 x .065		x	T31W-075050PL	T31W-075050PM
1" x 1/2"	4.500			x	T31W-100050PL	T31W-100050PM
1" x 3/4"	4.000			x	T31W-100075PL	T31W-100075PM
1-1/2" x 1/2"	5.500		x		T31W-150050PL	T31W-150050PM
1-1/2" x 3/4"	5.000			x	T31W-150075PL	T31W-150075PM
1-1/2" x 1"	5.000			x	T31W-150100PL	T31W-150100PM
2" x 1/2"	7.750		x		T31W-200050PL	T31W-200050PM
2" x 3/4"	7.250		x		T31W-200075PL	T31W-200075PM
2" x 1"	7.250			x	T31W-200100PL	T31W-200100PM
2" x 1-1/2"	5.250			x	T31W-200150PL	T31W-200150PM
2-1/2" x 1/2"	9.750		x		T31W-250050PL	T31W-250050PM
2-1/2" x 3/4"	9.250		x		T31W-250075PL	T31W-250075PM
2-1/2" x 1"	9.250		x		T31W-250100PL	T31W-250100PM
2-1/2" x 1-1/2"	7.250			x	T31W-250150PL	T31W-250150PM
2-1/2" x 2"	5.500			x	T31W-250200PL	T31W-250200PM
3" x 1"	11.250		x		T31W-300100PL	T31W-300100PM
3" x 1-1/2"	9.250			x	T31W-300150PL	T31W-300150PM
3" x 2"	7.500			x	T31W-300200PL	T31W-300200PM
3" x 2-1/2"	5.500			x	T31W-300250PL	T31W-300250PM
4" x 1"	15.500	.083 x .065	x		T31W-400100PL	T31W-400100PM
4" x 1-1/2"	13.500		x		T31W-400150PL	T31W-400150PM
4" x 2"	11.750			x	T31W-400200PL	T31W-400200PM
4" x 2-1/2"	9.750			x	T31W-400250PL	T31W-400250PM
4" x 3"	7.750			x	T31W-400300PL	T31W-400300PM
6" x 3"	10.000	.109 x .065		x	T31W-600300PL	T31W-600300PM
6" x 4"	10.000	.109 x .083		x	T31W-600400PL	T31W-600400PM

Clamp x Weld Concentric Reducers – T31M

3-A 621
63-04

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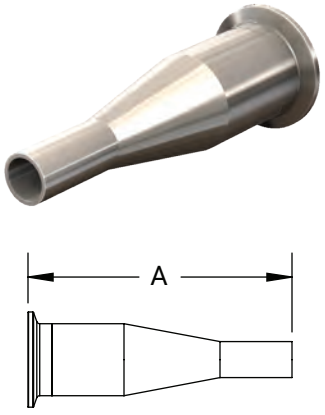


Tube O.D.	A (in)	Nominal Wall (in)	2007 BPE	2012 BPE	PL Finish – SF1	PM Finish – SF4
3/4" x 1/2"	3.000	0.065		x	T31M-075050PL	T31M-075050PM
1" x 1/2"	3.500			x	T31M-100050PL	T31M-100050PM
1" x 3/4"	3.000			x	T31M-100075PL	T31M-100075PM
1-1/2" x 1/2"	4.500		x		T31M-150050PL	T31M-150050PM
1-1/2" x 3/4"	4.000			x	T31M-150075PL	T31M-150075PM
1-1/2" x 1"	4.000			x	T31M-150100PL	T31M-150100PM
2" x 1/2"	6.500		x		T31M-200050PL	T31M-200050PM
2" x 3/4"	6.000		x		T31M-200075PL	T31M-200075PM
2" x 1"	6.000			x	T31M-200100PL	T31M-200100PM
2" x 1-1/2"	4.000			x	T31M-200150PL	T31M-200150PM
2-1/2" x 1/2"	8.500		x		T31M-250050PL	T31M-250050PM
2-1/2" x 3/4"	8.000		x		T31M-250075PL	T31M-250075PM
2-1/2" x 1"	8.000		x		T31M-250100PL	T31M-250100PM
2-1/2" x 1-1/2"	6.000			x	T31M-250150PL	T31M-250150PM
2-1/2" x 2"	4.250			x	T31M-250200PL	T31M-250200PM
3" x 1"	10.000		x		T31M-300100PL	T31M-300100PM
3" x 1-1/2"	8.000			x	T31M-300150PL	T31M-300150PM
3" x 2"	6.250			x	T31M-300200PL	T31M-300200PM
3" x 2-1/2"	4.250			x	T31M-300250PL	T31M-300250PM
4" x 1"	14.125		x		T31M-400100PL	T31M-400100PM
4" x 1-1/2"	12.125		x		T31M-400150PL	T31M-400150PM
4" x 2"	10.375			x	T31M-400200PL	T31M-400200PM
4" x 2-1/2"	8.375			x	T31M-400250PL	T31M-400250PM
4" x 3"	6.375			x	T31M-400300PL	T31M-400300PM
6" x 3"	9.000			x	T31M-600300PL	T31M-600300PM
6" x 4"	9.000	0.083		x	T31M-600400PL	T31M-600400PM

NOTE: BPE 2007 or 2012 Specifications as indicated:

PL Finish – SF1
O.D. = 32Ra Mechanically Polished
I.D. = 20Ra Mechanically Polished

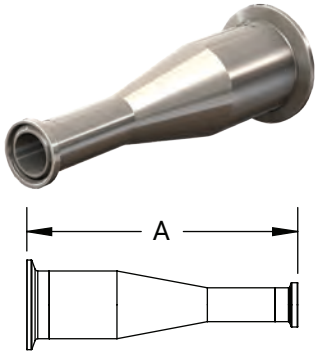
PM Finish – SF4
O.D. = 32Ra Mechanically Polished
I.D. = 15Ra Mechanically Polished and Electropolished

High Purity BioPharm Fittings

Clamp x Clamp Concentric Reducers – T3114MP

3A 621 63-04

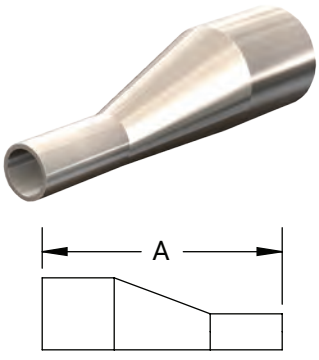
Tube O.D.	A (in)	2007 BPE	2012 BPE	PL Finish – SF1	PM Finish – SF4
3/4" x 1/2"	2.000		x	T3114MP075050PL	T3114MP075050PM
1" x 1/2"	2.500		x	T3114MP100050PL	T3114MP100050PM
1" x 3/4"	2.000		x	T3114MP100075PL	T3114MP100075PM
1-1/2" x 1/2"	3.500	x		T3114MP150050PL	T3114MP150050PM
1-1/2" x 3/4"	3.000		x	T3114MP150075PL	T3114MP150075PM
1-1/2" x 1"	3.000		x	T3114MP150100PL	T3114MP150100PM
2" x 1/2"	5.500	x		T3114MP200050PL	T3114MP200050PM
2" x 3/4"	5.000	x		T3114MP200075PL	T3114MP200075PM
2" x 1"	5.000		x	T3114MP200100PL	T3114MP200100PM
2" x 1-1/2"	3.000		x	T3114MP200150PL	T3114MP200150PM
2-1/2" x 1/2"	7.500	x		T3114MP250050PL	T3114MP250050PM
2-1/2" x 3/4"	7.000	x		T3114MP250075PL	T3114MP250075PM
2-1/2" x 1"	7.000	x		T3114MP250100PL	T3114MP250100PM
2-1/2" x 1-1/2"	5.000		x	T3114MP250150PL	T3114MP250150PM
2-1/2" x 2"	3.000		x	T3114MP250200PL	T3114MP250200PM
3" x 1"	9.000	x		T3114MP300100PL	T3114MP300100PM
3" x 1-1/2"	7.000		x	T3114MP300150PL	T3114MP300150PM
3" x 2"	5.000		x	T3114MP300200PL	T3114MP300200PM
3" x 2-1/2"	3.000		x	T3114MP300250PL	T3114MP300250PM
4" x 1"	13.125	x		T3114MP400100PL	T3114MP400100PM
4" x 1-1/2"	11.125	x		T3114MP400150PL	T3114MP400150PM
4" x 2"	9.125		x	T3114MP400200PL	T3114MP400200PM
4" x 2-1/2"	7.125		x	T3114MP400250PL	T3114MP400250PM
4" x 3"	5.125		x	T3114MP400300PL	T3114MP400300PM
6" x 3"	7.500		x	T3114MP600300PL	T3114MP600300PM
6" x 4"	7.625		x	T3114MP600400PL	T3114MP600400PM



Weld x Weld Eccentric Reducers – T32W

3A 621 63-04

Tube O.D.	A (in)	Nominal Wall (in)	2007 BPE	2012 BPE	PL Finish – SF1	PM Finish – SF4
3/4" x 1/2"	4.000	0.065 x 0.065		x	T32W-075050PL	T32W-075050PM
1" x 1/2"	4.500			x	T32W-100050PL	T32W-100050PM
1" x 3/4"	4.000			x	T32W-100075PL	T32W-100075PM
1-1/2" x 1/2"	5.500		x		T32W-150050PL	T32W-150050PM
1-1/2" x 3/4"	5.000			x	T32W-150075PL	T32W-150075PM
1-1/2" x 1"	5.000			x	T32W-150100PL	T32W-150100PM
2" x 1/2"	7.750		x		T32W-200050PL	T32W-200050PM
2" x 3/4"	7.250		x		T32W-200075PL	T32W-200075PM
2" x 1"	7.250			x	T32W-200100PL	T32W-200100PM
2" x 1-1/2"	5.250			x	T32W-200150PL	T32W-200150PM
2-1/2" x 1/2"	9.750		x		T32W-250050PL	T32W-250050PM
2-1/2" x 3/4"	9.250		x		T32W-250075PL	T32W-250075PM
2-1/2" x 1"	9.250		x		T32W-250100PL	T32W-250100PM
2-1/2" x 1-1/2"	7.250			x	T32W-250150PL	T32W-250150PM
2-1/2" x 2"	5.500			x	T32W-250200PL	T32W-250200PM
3" x 1"	11.250		x		T32W-300100PL	T32W-300100PM
3" x 1-1/2"	9.250			x	T32W-300150PL	T32W-300150PM
3" x 2"	7.500			x	T32W-300200PL	T32W-300200PM
3" x 2-1/2"	5.500			x	T32W-300250PL	T32W-300250PM
4" x 1"	15.500	0.083 x 0.065	x		T32W-400100PL	T32W-400100PM
4" x 1-1/2"	13.500		x		T32W-400150PL	T32W-400150PM
4" x 2"	11.750			x	T32W-400200PL	T32W-400200PM
4" x 2-1/2"	9.750			x	T32W-400250PL	T32W-400250PM
4" x 3"	7.750			x	T32W-400300PL	T32W-400300PM
6" x 3"	9.750	0.109 x 0.065		x	T32W-600300PL	T32W-600300PM
6" x 4"	10.000	0.109 x 0.083		x	T32W-600400PL	T32W-600400PM



NOTE: BPE 2007 or 2012 Specifications as indicated:

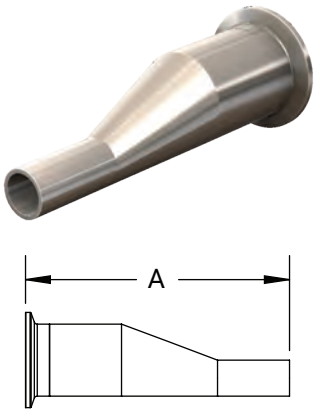
PL Finish – SF1
O.D. = 32Ra Mechanically Polished
I.D. = 20Ra Mechanically Polished

PM Finish – SF4
O.D. = 32Ra Mechanically Polished
I.D. = 15Ra Mechanically Polished and Electropolished

High Purity BioPharm Fittings

A3 621
63-04

Clamp x Weld Eccentric Reducers – T32M



Tube O.D.	A (in)	Nominal Wall (in)	2007 BPE	2012 BPE	PL Finish – SF1	PM Finish – SF4
3/4" x 1/2"	3.000			x	T32M-075050PL	T32M-075050PM
1" x 1/2"	3.500			x	T32M-100050PL	T32M-100050PM
1" x 3/4"	3.000			x	T32M-100075PL	T32M-100075PM
1-1/2" x 1/2"	4.500		x		T32M-150050PL	T32M-150050PM
1-1/2" x 3/4"	4.000			x	T32M-150075PL	T32M-150075PM
1-1/2" x 1"	4.000			x	T32M-150100PL	T32M-150100PM
2" x 1/2"	6.500		x		T32M-200050PL	T32M-200050PM
2" x 3/4"	6.000		x		T32M-200075PL	T32M-200075PM
2" x 1"	6.000			x	T32M-200100PL	T32M-200100PM
2" x 1-1/2"	4.000			x	T32M-200150PL	T32M-200150PM
2-1/2" x 1/2"	8.500		x		T32M-250050PL	T32M-250050PM
2-1/2" x 3/4"	8.000		x		T32M-250075PL	T32M-250075PM
2-1/2" x 1"	8.000	0.065	x		T32M-250100PL	T32M-250100PM
2-1/2" x 1-1/2"	6.000			x	T32M-250150PL	T32M-250150PM
2-1/2" x 2"	4.250			x	T32M-250200PL	T32M-250200PM
3" x 1"	10.000		x		T32M-300100PL	T32M-300100PM
3" x 1-1/2"	8.000			x	T32M-300150PL	T32M-300150PM
3" x 2"	6.250			x	T32M-300200PL	T32M-300200PM
3" x 2-1/2"	4.250			x	T32M-300250PL	T32M-300250PM
4" x 1"	14.125		x		T32M-400100PL	T32M-400100PM
4" x 1-1/2"	12.125		x		T32M-400150PL	T32M-400150PM
4" x 2"	10.375			x	T32M-400200PL	T32M-400200PM
4" x 2-1/2"	8.375			x	T32M-400250PL	T32M-400250PM
4" x 3"	6.375			x	T32M-400300PL	T32M-400300PM
6" x 3"	8.750			x	T32M-600300PL	T32M-600300PM
6" x 4"	9.000	0.083		x	T32M-600400PL	T32M-600400PM

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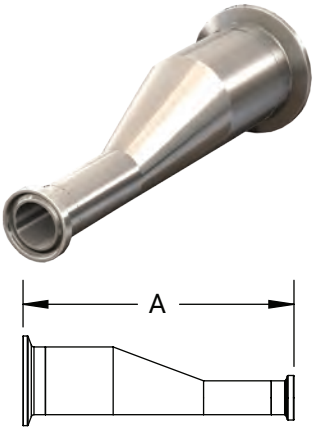
Clamp x Clamp Eccentric Reducers – T3214MP



Tube O.D.	A (in)	2007 BPE	2012 BPE	PL Finish – SF1	PM Finish – SF4
3/4" x 1/2"	2.000		x	T3214MP075050PL	T3214MP075050PM
1" x 1/2"	2.500		x	T3214MP100050PL	T3214MP100050PM
1" x 3/4"	2.000		x	T3214MP100075PL	T3214MP100075PM
1-1/2" x 1/2"	3.500	x		T3214MP150050PL	T3214MP150050PM
1-1/2" x 3/4"	3.000		x	T3214MP150075PL	T3214MP150075PM
1-1/2" x 1"	3.000		x	T3214MP150100PL	T3214MP150100PM
2" x 1/2"	5.500	x		T3214MP200050PL	T3214MP200050PM
2" x 3/4"	5.000	x		T3214MP200075PL	T3214MP200075PM
2" x 1"	5.000		x	T3214MP200100PL	T3214MP200100PM
2" x 1-1/2"	3.000		x	T3214MP200150PL	T3214MP200150PM
2-1/2" x 1/2"	7.500	x		T3214MP250050PL	T3214MP250050PM
2-1/2" x 3/4"	7.000	x		T3214MP250075PL	T3214MP250075PM
2-1/2" x 1"	7.000	x		T3214MP250100PL	T3214MP250100PM
2-1/2" x 1-1/2"	5.000		x	T3214MP250150PL	T3214MP250150PM
2-1/2" x 2"	3.000		x	T3214MP250200PL	T3214MP250200PM
3" x 1"	9.000	x		T3214MP300100PL	T3214MP300100PM
3" x 1-1/2"	7.000		x	T3214MP300150PL	T3214MP300150PM
3" x 2"	5.000		x	T3214MP300200PL	T3214MP300200PM
3" x 2-1/2"	3.000		x	T3214MP300250PL	T3214MP300250PM
4" x 1"	13.125	x		T3214MP400100PL	T3214MP400100PM
4" x 1-1/2"	11.125	x		T3214MP400150PL	T3214MP400150PM
4" x 2"	9.125		x	T3214MP400200PL	T3214MP400200PM
4" x 2-1/2"	7.125		x	T3214MP400250PL	T3214MP400250PM
4" x 3"	5.125		x	T3214MP400300PL	T3214MP400300PM
6" x 3"	7.625		x	T3214MP600300PL	T3214MP600300PM
6" x 4"	7.625		x	T3214MP600400PL	T3214MP600400PM

NOTE: BPE 2007 or 2012 Specifications as indicated:

PL Finish – SF1
O.D. = 32Ra Mechanically Polished
I.D. = 20Ra Mechanically Polished

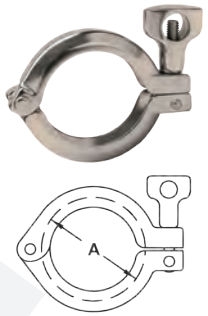
PM Finish – SF4
O.D. = 32Ra Mechanically Polished
I.D. = 15Ra Mechanically Polished and Electropolished

Pipe Size Clamps

Schedule 5S and 10S Single Pin Heavy Duty Clamps – 13MHHV

Pipe Size	A (in)	Service Pressure Rating PSI at 70°F (21°C)[1]	Part #
1"	2.12	**500**	13MHHV100
1-1/2"	2.65	**450**	13MHHV150
2"	3.18	**400**	13MHHV200
2-1/2"	3.72	**350**	13MHHV250
3"	4.26	**250**	13MHHV300
4"	5.26	**150**	13MHHV400
6"	7.50	**100**	13MHHV600
8"	9.32	**75**	13MHHV800
10"	11.45	**75**	13MHHV1000

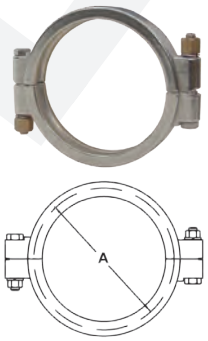
[1] Wing nut tightened to 25 in-lb of torque



Schedule 5S and 10S Bolted Clamps – 13MHPV

Pipe Size	A (in)	Service Pressure Rating PSI at 70°F (21°C)[1]	Part #
1"	2.05	**750**	13MHPV100
1-1/2"	2.58	**500**	13MHPV150
2"	3.11		13MHPV200
2/1/2"	3.46		13MHPV250
3"	4.31	**400**	13MHPV300
4"	5.19		13MHPV400
6"	7.20	**350**	13MHPV600
8"	9.17		13MHPV800

[1] Nuts tightened to 20 ft-lb of torque



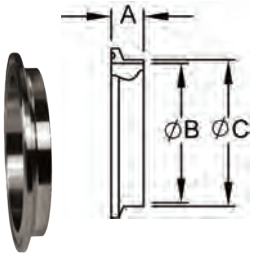
Pipe Size Ferrules

3A 621 63-04

M

Schedule 5S Short Weld Ferrules – 14WMV

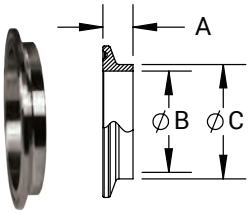
Pipe Size	A (in)	B (in)	C (in)	316L Stainless Steel Part #
1"	.50	1.19	1.32	14WMV-R100
1-1/2"		1.77	1.90	14WMV-R150
2"		2.25	2.38	14WMV-R200
2-1/2"		2.71	2.88	14WMV-R250
3"		3.33	3.50	14WMV-R300
4"	.63	4.33	4.50	14WMV-R400
6"	.88	6.41	6.63	14WMV-R600



3A 621 63-04

Schedule 10S Short Weld Ferrules – 14WMX

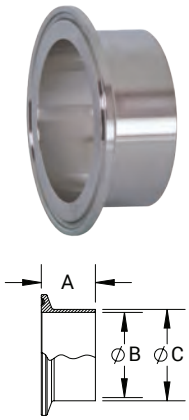
Pipe Size	A (in)	B (in)	C (in)	316L Stainless Steel Part #
1"	.50	1.10	1.32	14WMX-R100
1-1/2"		1.68	1.90	14WMX-R150
2"		2.16	2.38	14WMX-R200
2-1/2"		2.64	2.88	14WMX-R250
3"		3.26	3.50	14WMX-R300
4"	.63	4.26	4.50	14WMX-R400
6"	.88	6.36	6.63	14WMX-R600



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

Pipe Size Ferrules

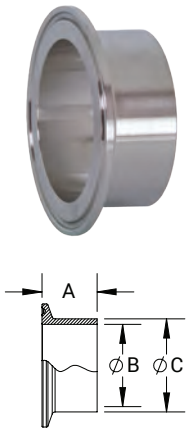
3-A 621 63-04



Schedule 5S Long Weld Ferrules – L14AM7V

Pipe Size	A (in)	B (in)	C (in)	316L Stainless Steel Part #
1"	1.13	1.19	1.32	L14AM7V-R100
1-1/2"		1.77	1.90	L14AM7V-R150
2"		2.25	2.38	L14AM7V-R200
2-1/2"		2.71	2.88	L14AM7V-R250
3"		3.33	3.50	L14AM7V-R300
4"		4.33	4.50	L14AM7V-R400
6"	1.50	6.41	6.63	L14AM7V-R600

3-A 621 63-04



Schedule 10S Long Weld Ferrules – L14AM7X

Pipe Size	A (in)	B (in)	C (in)	316L Stainless Steel Part #
1"	1.13	1.10	1.32	L14AM7X-R100
1-1/2"		1.68	1.90	L14AM7X-R150
2"		2.16	2.38	L14AM7X-R200
2-1/2"		2.64	2.88	L14AM7X-R250
3"		3.26	3.50	L14AM7X-R300
4"		4.26	4.50	L14AM7X-R400
6"	1.50	6.36	6.63	L14AM7X-R600

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Pipe Size End Caps

3-A 621 63-04

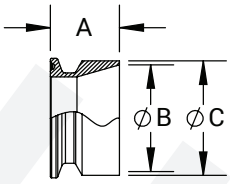
Schedule 5S and 10S Solid End Caps – 16AMV

Pipe Size	A (in)	B (in)	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	.25	1.98	16AMV-G100	16AMV-R100
1-1/2"		2.52	16AMV-G150	16AMV-R150
2"		3.05	16AMV-G200	16AMV-R200
2-1/2"		3.60	16AMV-G250	16AMV-R250
3"	.31	4.13	16AMV-G300	16AMV-R300
4"		5.13	16AMV-G400	16AMV-R400
6"	.44	7.20	16AMV-G600	16AMV-R600

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

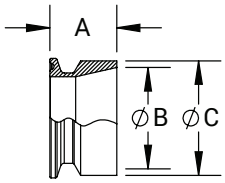
Pipe Size Adapters

Tube O.D. Clamp x Schedule 5S Weld Adapters – B19MPV



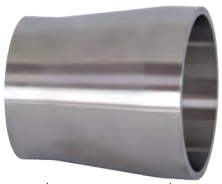
Pipe Size	A (in)	B (in)	C (in)	Pipe Wall Thickness (in)	316L Stainless Steel Part #
1"	1.13	1.19	1.32	.065	B19MPV-R100
1-1/2"		1.77	1.90		B19MPV-R150
2"		2.25	2.38		B19MPV-R200
2-1/2"		2.71	2.88	.083	B19MPV-R250
3"		3.33	3.50		B19MPV-R300
4"		4.33	4.50		B19MPV-R400

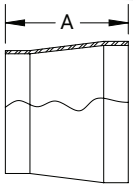
Tube O.D. Clamp x Schedule 10S Weld Adapters – B19MPX



Pipe Size	A (in)	B (in)	C (in)	Pipe Wall Thickness (in)	316L Stainless Steel Part #
1"	1.13	1.10	1.32	.109	B19MPX-R100
1-1/2"		1.68	1.90		B19MPX-R150
2"		2.16	2.38		B19MPX-R200
2-1/2"		2.64	2.88	.120	B19MPX-R250
3"		3.26	3.50		B19MPX-R300
4"		4.26	4.50		B19MPX-R400

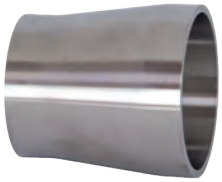
Tube O.D. Weld x Schedule 5S Weld Adapters – B19WV

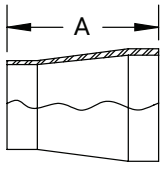




Pipe Size	A (in)	Tube Wall Thickness (in)	Pipe Wall Thickness (in)	316L Stainless Steel Part #
1"	2.00	.065	.065	B19WV-R100
1-1/2"	2.50			B19WV-R150
2"				B19WV-R200
2-1/2"			.083	B19WV-R250
3"				B19WV-R300
4"	3.00	.083		B19WV-R400

Tube O.D. Weld x Schedule 10S Weld Adapters – B19WX

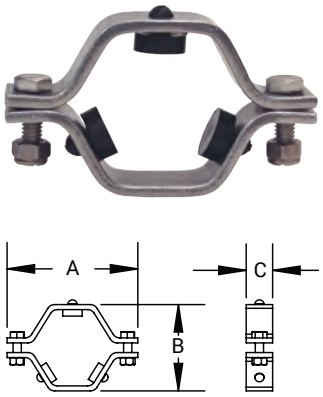




Pipe Size	A (in)	Tube Wall Thickness (in)	Pipe Wall Thickness (in)	316L Stainless Steel Part #
1"	2.00	.065	.109	B19WX-R100
1-1/2"	2.50			B19WX-R150
2"				B19WX-R200
2-1/2"			.120	B19WX-R250
3"				B19WX-R300
4"	3.00	.083		B19WX-R400

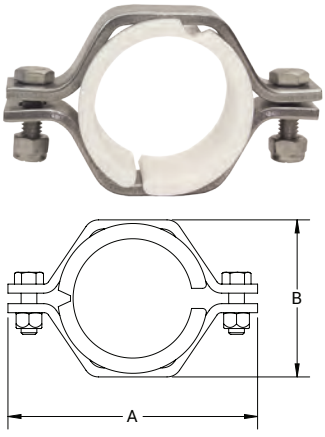
Pipe Size Hangers

Hex Hangers with Rubber Grommets – B24RV



Pipe Size	A (in)	B (in)	C (in)	Grommet Qty	304 Stainless Steel Part #
1/2"	3.38	2.25	1.00	3	B24RV-G50
3/4"	3.38	2.19			B24RV-G75
1"	3.70	2.20			B24RV-G100
1-1/2"	4.40	2.80			B24RV-G150
2"	5.00	3.30			B24RV-G200
2-1/2"	5.60	3.70			B24RV-G250
3"	6.10	4.30		4	B24RV-G300
4"	7.60	5.00			B24RV-G400
6"	9.80	7.20	1.50	5	B24RV-G600
8"	12.25	9.38			B24RV-G800

Hex Hangers with Polypropylene Sleeve – B24PV



Pipe Size	A (in)	B (in)	304 Stainless Steel Part #
1/2"	3.38	1.63	B24PV-G50
3/4"	3.38	1.63	B24PV-G75
1"	3.63	2.13	B24PV-G100
1-1/2"	4.31	2.63	B24PV-G150
2"	4.88	3.13	B24PV-G200
2-1/2"	4.88	3.13	B24PV-G250
3"	6.00	4.25	B24PV-G300
4"	7.50	5.63	B24PV-G400
5"	8.50	6.38	B24PV-G500
6"	9.75	7.38	B24PV-G600
8"	11.38	9.38	B24PV-G800

Sleeves – 13PV

Pipe Size	Polypropylene Part #
3/4"	13PV-75
1"	13PV-100
1-1/2"	13PV-150
2"	13PV-200
2-1/2"	13PV-250
3"	13PV-300
4"	13PV-400
6"	13PV-600

PDF

Pipe Size Block Hangers

Applications
- Clean rooms and mechanical areas; not limited to: biotech, pharmaceutical, food processing, beverage, dairy, cosmetic, chemical, water treatment, and semi-conductor industries.
- Low-flow and low-pressure systems with moderate vibration: WFI, SIP, CIP, process, utility, and instrument lines

Sizes
- 1" – 4" standard; other sizes may be available upon request

Features
- Insulation envelope: reduced O.D. allows hanger to be buried under the insulation jacket
- ZERO PUDDLE silicone inserts raised geometry facilitates drainage of liquids on vertical/riser lines
- There are no exposed threads or openings in hardware plates

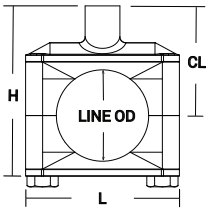
Materials
- Silicone insert – 80 durometer; color: blue
- ZERO PUDDLE silicone rubber insert is available with FDA and UL ratings
- 304 stainless steel as standard; 316 available upon request

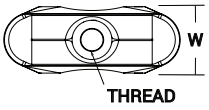
Specifications
- Intermittent temperatures from **-40°F** to **320°F** **(-40°C** to **160°C)**
- Continuous temperatures from **-20°F** to **285°F** **(-29°C** to **140°C)**

Approvals
- All plates polished, bolts are cleaned, and nuts are lubricated with FDA-approved product
- Hanger threads match MSS SP-69 rod O.D. requirements

Hang Plate Block Hangers – B24V-HP

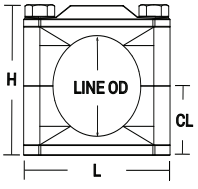
Pipe Size	Line O.D. (in)	H (in)	L (in)	W (in)	CL (in)	Thread	304 Stainless Steel Part #
1"	1.32	2.79	2.49	0.75	1.80	3/8"-16	B24V-HP-G100
1-1/2"	1.90	3.29	2.99	0.88	2.05		B24V-HP-G150
2"	2.38	5.59	3.36		2.09	1/2"-13	B24V-HP-G200
2-1/2"	2.88	6.02	3.74		3.18		B24V-HP-G250
3"	3.50	6.68	4.48	1.00	3.60		B24V-HP-G300
4"	4.50	6.24	5.10		4.21	5/8"-11	B24V-HP-G400



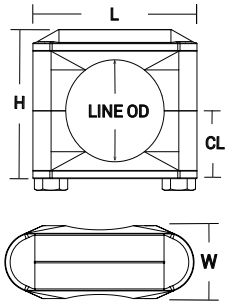


Weld Plate Block Hangers – B24V-WP

Pipe Size	Line O.D. (in)	H (in)	L (in)	W (in)	CL (in)	304 Stainless Steel Part #
1"	1.32	2.23	2.49	0.75	1.03	B24V-WP-G100
1-1/2"	1.90	2.75	2.99	0.88	1.31	B24V-WP-G150
2"	2.38	3.25	3.36		1.55	B24V-WP-G200
2-1/2"	2.88	3.68	3.74		1.77	B24V-WP-G250
3"	3.50	4.15	4.48	1.00	2.06	B24V-WP-G300
4"	4.50	5.27	5.10		2.58	B24V-WP-G400

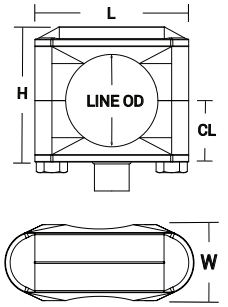


Pipe Size Uni-Hinge Block Hangers



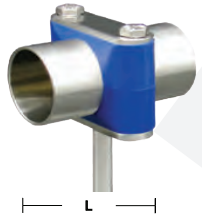
Base Mount Block Hangers – B24V-BM

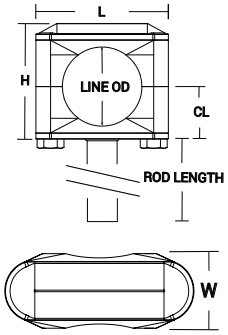
Pipe Size	Line O.D. (in)	H (in)	L (in)	W (in)	CL (in)	304 Stainless Steel Part #
1"	1.32	2.19	2.49	0.75	0.97	B24V-BM-G100
1-1/2"	1.90	2.69	2.99	0.88	1.25	B24V-BM-G150
2"	2.38	3.19	3.36		1.49	B24V-BM-G200
2-1/2"	2.88	3.63	3.74		1.71	B24V-BM-G250



Base Mount Block Hanger Threaded Couplings – B24V-BMTC

Tube Size	Line O.D. (in)	H (in)	L (in)	W (in)	CL (in)	Round Coupling		304 Stainless Steel Part #
						Length (in)	O.D.	
1"	1.32	2.19	2.49	0.75	0.97	.47	3/8"-16	B24-BMTC-G100
1-1/2"	1.90	2.69	2.99	0.88	1.25			B24-BMTC-G150
2"	2.38	3.19	3.36		1.49	.59	1/2"-13	B24-BMTC-G200
2-1/2"	2.88	3.63	3.74		1.71			B24-BMTC-G250





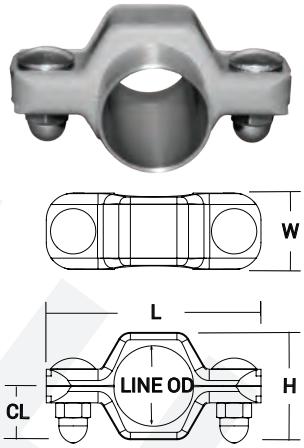
Base Mount Block Hanger Rod Mounts – B24V-BMR6

Pipe Size	Line O.D. (in)	H (in)	L (in)	W (in)	CL (in)	Rod (stock length)		304 Stainless Steel Part #
						Length (in)	O.D.	
1"	1.32	2.19	2.49	0.75	0.97	6.00	.38	B24V-BMR6-G100
1-1/2"	1.90	2.69	2.99	0.88	1.25			B24V-BMR6-G150
2"	2.38	3.19	3.36		1.49		.50	B24V-BMR6-G200
2-1/2"	2.88	3.63	3.74		1.71			B24V-BMR6-G250

Pipe Size Uni-Hinge Block Hangers

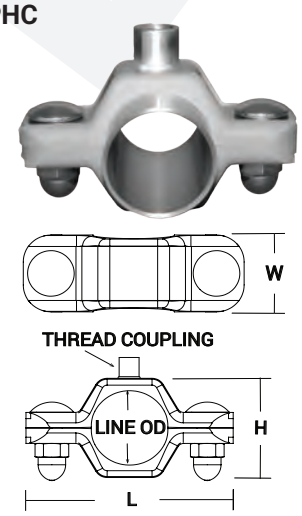
Process Hex Hanger Weld Mounts – B24V-PH

Pipe Size	Line O.D. (in)	H (in)	L (in)	W (in)	CL (in)	304 Stainless Steel With Acorn Nut Part #	304 Stainless Steel With Lock Nut Part #
1"	1.32	1.96	4.00	1.42	0.98	B24V-PH-G100	B24V-PHL-G100
1-1/2"	1.90	2.50	4.60		1.25	B24V-PH-G150	B24V-PHL-G150
2"	2.38	3.00	5.10		1.50	B24V-PH-G200	B24V-PHL-G200
2-1/2"	2.88	3.50	5.60		1.75	B24V-PH-G250	B24V-PHL-G250
3"	3.50	4.13	6.33		2.06	B24V-PH-G300	B24V-PHL-G300
4"	4.50	5.07	7.52		2.54	B24V-PH-G400	B24V-PHL-G400



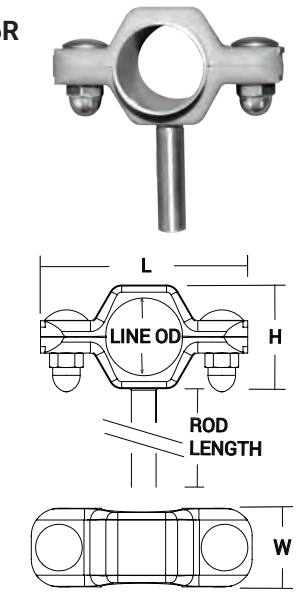
Process Hex Hanger Weld Mount Threaded Couplings – B24V-PHC

Pipe Size	Line O.D. (in)	H (in)	L (in)	W (in)	Height (in)	Thread (in)	304 Stainless Steel With Acorn Nut Part #	304 Stainless Steel With Lock Nut Part #
1"	1.32	1.96	4.00	1.42	0.50	3/8"-16	B24V-PHC-G100	B24V-PHCL-G100
1-1/2"	1.90	2.50	4.60				B24V-PHC-G150	B24V-PHCL-G150
2"	2.38	3.00	5.10		0.59	1/2"-13	B24V-PHC-G200	B24V-PHCL-G200
2-1/2"	2.88	3.50	5.60				B24V-PHC-G250	B24V-PHCL-G250
3"	3.50	4.13	6.33				B24V-PHC-G300	B24V-PHCL-G300
4"	4.50	5.07	7.52				B24V-PHC-G400	B24V-PHCL-G400



Process Hex Hanger Weld Mounts Rod Attached – B24V-PH6R

Pipe Size	Line O.D. (in)	H (in)	L (in)	W (in)	Length (in)	O.D. (in)	304 Stainless Steel With Acorn Nut Part #	304 Stainless Steel With Lock Nut Part #
1"	1.32	1.96	4.00	1.42	6.00	0.38	B24V-PH6R-G100	B24V-PH6RL-G100
1-1/2"	1.90	2.50	4.60				B24V-PH6R-G150	B24V-PH6RL-G150
2"	2.38	3.00	5.10			0.50	B24V-PH6R-G200	B24V-PH6RL-G200
2-1/2"	2.88	3.50	5.60				B24V-PH6R-G250	B24V-PH6RL-G250
3"	3.50	4.13	6.33				B24V-PH6R-G300	B24V-PH6RL-G300
4"	4.50	5.07	7.52			0.63	B24V-PH6R-G400	B24V-PH6RL-G400



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Schedule 5S and 10S Pipe Gaskets

Nitrile Rubber – 40MPV-U, Black

Feature
- Color code: red dot

Approval
- Meets 21CFR 177.2600

Size	Nitrile Rubber Part #
1"	40MPV-U100
1-1/2"	40MPV-U150
2"	40MPV-U200
2-1/2"	40MPV-U250
3"	40MPV-U300
4"	40MPV-U400
6"	40MPV-U600

PTFE – 40MPV-G, White

Features
- Color code: no dot
- Not recommended for use with bolted clamps

Approvals
- Meets 21CFR 177.1550
- Passed U.S.P. Class VI Cytotoxicity testing

Size	PTFE Part #
1"	40MPV-G100
1-1/2"	40MPV-G150
2"	40MPV-G200
2-1/2"	40MPV-G250
3"	40MPV-G300
4"	40MPV-G400
6"	40MPV-G600

NOTE: PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration, and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.

M

Visit dixonvalve.com for sizing charts

Schedule 5S and 10S Pipe Gaskets

EPDM – 40MPV-E, Black

Feature
- Color code: 3 green dots

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

Size	EPDM Part #
1"	40MPV-E100
1-1/2"	40MPV-E150
2"	40MPV-E200
2-1/2"	40MPV-E250
3"	40MPV-E300
4"	40MPV-E400
6"	40MPV-E600

FKM – 40MPV-SFY, Black

Feature
- Color code: 1 white dot, 1 yellow dot

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

Size	FKM Part #
1"	40MPV-SFY100
1-1/2"	40MPV-SFY150
2"	40MPV-SFY200
2-1/2"	40MPV-SFY250
3"	40MPV-SFY300
4"	40MPV-SFY400
6"	40MPV-SFY600

M

Sanitary Gaskets

Types **Pages**

- Clamp 689-696
- Bevel seat 697-698
- I-line/Q-line 699-700
- John Perry 701-702
- Euro 703-704
- Clamp gasket sizing chart 705-707

Materials
- Nitrile rubber
- Silicone (peroxide cured)
- EPDM
- FKM
- PTFE

Approvals
- U.S. Pharmacopoeia Class VI Cytotoxicity Criteria
- Title 21CFR177.2600 & .1550
- USDA and 3A Sanitary Standards

All elastomeric gaskets require periodic replacement. Gasket life is influenced by the gasket material, product application, temperature, cleaning procedures, etc. After monitoring gasket conditions in a process system, a schedule should be developed for replacement of gaskets.

Color Coding – Identification of Gasket Materials

Elastomer	Part # Identifier	Color Code	Temperature	
			Farenheit	Celsius
Nitrile rubber	U	1 red dot	**-30°F** to **200°F**	**-34°C** to **93°C**
White nitrile rubber	UW	1 red dot	**-30°F** to **200°F**	**-34°C** to **93°C**
EPDM peroxide cured	E	3 green dots	**-30°F** to **300°F**	**-34°C** to **149°C**
FKM	SFY	1 white dot and 1 yellow dot	**-30°F** to **400°F**	**-34°C** to **204°C**
Silicone peroxide cured (white)	XW	1 pink dot	**-40°F** to **450°F**	**-40°C** to **232°C**
Silicone platinum cured (clear)	XCPL	none	**-40°F** to **450°F**	**-40°C** to **232°C**
PTFE	G	none	**-100°F** to **500°F**	**-73°C** to **260°C**
Metal detectable PTFE	GZ	none	**-320°F** to **550°F**	**-195°C** to **288°C**
Metal detectable nitrile rubber	UZ	2 blue dots and 1 red dot	**-30°F** to **200°F**	**-34°C** to **93°C**
Metal detectable EPDM	EZ	2 blue dots and 3 green dots	**-30°F** to **300°F**	**-34°C** to **149°C**
Metal detectable FKM	SFYZ	2 blue dots and 1 white dot and 1 yellow dot	**-30°F** to **400°F**	**-34°C** to **204°C**
Metal detectable Silicone	XZ	2 blue dots and 1 pink dot	**-40°F** to **450°F**	**-40°C** to **232°C**

Packaging and Storing Information

The shelf life of rubber gaskets is the maximum period from cure date to the date the product is installed. During the shelf life time, the rubber product is expected to retain its characteristics under the following conditions:
- Stored in original packaging in a clean, dry warehouse
- Not exposed to direct sunlight
- Stored no closer than 6 feet from electric motors
- Temperature between **65°F** to **85°F (18°C** to **29°C)**

A guideline for shelf life of rubber gaskets manufactured from the following components should have the following shelf life not to exceed:
- Nitrile rubber ..... 10 years
- EPDM ..... 10 years
- FKM ..... 10 years
- Silicone ..... 5 years
- PTFE ..... 20 years
- Nitrile rubber, EPDM, and Silicone Metal Detectable Gaskets ..... 10 years

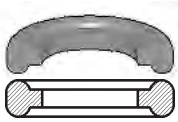
Clamp Gaskets

Specifications

- **PSI** Service Ratings for the sanitary clamps DO NOT APPLY to connections (1" and above) using any PTFE gaskets, due to the potential for cold flow under normal operating conditions. PTFE gaskets, when used with any clamp, are likely to leak at pressures far below the published service ratings. This restriction does not apply to the fractionally sized 1/2" and 3/4" connections, due to their recessed, fully contained design.

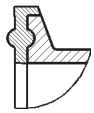
Approval

- Gasket material approved by 3A (3A), USDA and complies with FDA's 21CFR177.2600 and 1550



Mini

Standard – type 1



Flanged – type 2

Clamp Gaskets – Nitrile Rubber

Features

- Sulfur cured
- Color code: one red dot

Approval

- Meets 21CFR 177.2600

Size	Black Part #	White Part #	Red Part #	Blue Part #
1/2"	42MP-U50	42MP-UW50	42MP-U50RD	42MP-U50BL
3/4"	42MP-U75	42MP-UW72	42MP-U75RD	42MP-U75BL
1"	40MP-U100	40MP-UW100	40MP-U100RD	40MP-U100BL
1-1/2"	40MP-U150	40MP-UW150	40MP-U150RD	40MP-U150BL
2"	40MP-U200	40MP-UW200	40MP-U200RD	40MP-U200BL
2-1/2"	40MP-U250	40MP-UW250	40MP-U250RD	40MP-U250BL
3"	40MP-U300	40MP-UW300	40MP-U300RD	40MP-U300BL
4"	40MP-U400	40MP-UW400	40MP-U400RD	40MP-U400BL
5"	40MP-U500	40MP-UW500	40MP-U500RD	40MP-U500BL
6"	40MP-U600	40MP-UW600	40MP-U600RD	40MP-U600BL
8"	40MP-U800	40MP-UW800	40MP-U800RD	40MP-U800BL

Type 1 – Standard
1" and larger

Type 1 – Standard
1/2" – 3/4"

NOTE: Also available in green, yellow, pink, orange, and purple

M

Clamp Gaskets – EPDM

Features

- Color code: three green dots
- Peroxide cured

Approvals

- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

Size	Black Part #	White Part #	Red Part #	Blue Part #	Green Part #	Yellow Part #
1/2"	42MP-E50	42MP-E50WN	42MP-E50RD	42MP-E50BL	42MP-E50GN	42MP-E50YL
3/4"	42MP-E75	42MP-E75WN	42MP-E75RD	42MP-E75BL	42MP-E75GN	42MP-E75YL
1"	40MP-E100	40MP-E100WH	40MP-E100RD	40MP-E100BL	40MP-E100GN	40MP-E100YL
1-1/2"	40MP-E150	40MP-E150WH	40MP-E150RD	40MP-E150BL	40MP-E150GN	40MP-E150YL
2"	40MP-E200	40MP-E200WH	40MP-E200RD	40MP-E200BL	40MP-E200GN	40MP-E200YL
2-1/2"	40MP-E250	40MP-E250WH	40MP-E250RD	40MP-E250BL	40MP-E250GN	40MP-E250YL
3"	40MP-E300	40MP-E300WH	40MP-E300RD	40MP-E300BL	40MP-E300GN	40MP-E300YL
4"	40MP-E400	40MP-E400WH	40MP-E400RD	40MP-E400BL	40MP-E400GN	40MP-E400YL
5"	40MP-E500	40MP-E500WH	40MP-E500RD	40MP-E500BL	40MP-E500GN	40MP-E500YL
6"	40MP-E600	40MP-E600WH	40MP-E600RD	40MP-E600BL	40MP-E600GN	40MP-E600YL

Type 1 – Standard
1" and larger

Type 1 – Standard
1/2" – 3/4"

Visit dixonvalve.com for sizing charts.

Clamp Gaskets

Clamp Gaskets – FKM

Type 1 – Standard
1/2" – 3/4"

Type 1 – Standard
1" and larger

Size	Black Part #
1/2"	42MP-SFY50
3/4"	42MP-SFY75
1"	40MP-SFY100
1-1/2"	40MP-SFY150
2"	40MP-SFY200
2-1/2"	40MP-SFY250
3"	40MP-SFY300
4"	40MP-SFY400
5"	40MP-SFY500
6"	40MP-SFY600
8"	40MP-SFY800

NOTE: Also available in blue, green, purple, pink, red, and yellow

Feature
- Color code: one white dot and one yellow dot

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

Clamp Gaskets – Silicone

Type 1 – Standard
1/2" – 3/4"

Type 1 – Standard
1" and larger

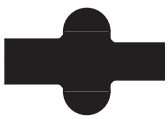
Size	White Part #
1/2"	42MP-XW50
3/4"	42MP-XW75
1"	40MP-XW100
1-1/2"	40MP-XW150
2"	40MP-XW200
2-1/2"	40MP-XW250
3"	40MP-XW300
4"	40MP-XW400
6"	40MP-XW600

Features
- Color code: one pink dot
- Peroxide cured

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

Clamp Gaskets – Silicone

Type 1 – Standard
1/2" – 3/4"



Type 1 – Standard
1" and larger

Size	Clear Part #
1/2"	42MP-XCPL50
3/4"	42MP-XCPL75
1"	40MP-XCPL100
1-1/2"	40MP-XCPL150
2"	40MP-XCPL200
2-1/2"	40MP-XCPL250
3"	40MP-XCPL300
4"	40MP-XCPL400
5"	40MP-XCPL500
6"	40MP-XCPL600
8"	40MP-XCPL800

Features
- Color code: no dot
- Platinum cured

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

Clamp Gaskets – PTFE

Type 1 – Standard
1/2" – 3/4"

Type 1 – Standard
1" and larger

Size	White Part #
1/2"	42MP-G50
3/4"	42MP-G75
1"	40MP-G100
1-1/2"	40MP-G150
2"	40MP-G200
2-1/2"	40MP-G250
3"	40MP-G300
4"	40MP-G400
5"	40MP-G500
6"	40MP-G600
8"	40MP-G800
10"	40MP-G1000
12"	40MP-G1200

Features
- Color code: no dot
- Not recommended for use with bolted clamps

Approvals
- Meets 21CFR 177.1550
- Passed U.S.P. Class VI Cytotoxicity testing

NOTE: PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration, and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained. Visit dixonvalve.com for sizing charts.

Metal and X-ray Detectable Clamp Gaskets

Type 1 – Standard
1/2" – 3/4"

Type 1 – Standard
1" and larger

Material
- Metal detectable gaskets are impregnated with stainless steel particles; the addition of stainless steel allows a gasket or gasket pieces to be found with metal detection equipment

Nitrile Rubber – Metal and X-ray Detectable Clamp Gaskets

Feature
- Color code: two blue dots and one red dot

Approval
- Meets 21CFR 177.2600

NOTE: Also available in red, yellow, green, and purple

Size	Black Part #	Blue Part #
1/2"	42MP-UZ50	42MP-UZ50BL
3/4"	42MP-UZ75	42MP-UZ75BL
1"	40MP-UZ100	40MP-UZ100BL
1-1/2"	40MP-UZ150	40MP-UZ150BL
2"	40MP-UZ200	40MP-UZ200BL
2-1/2"	40MP-UZ250	40MP-UZ250BL
3"	40MP-UZ300	40MP-UZ300BL
4"	40MP-UZ400	40MP-UZ400BL
5"	40MP-UZ500	40MP-UZ500BL
6"	40MP-UZ600	40MP-UZ600BL
8"	40MP-UZ800	40MP-UZ800BL
10"	40MP-UZ1000	40MP-UZ1000BL
12"	40MP-UZ1200	40MP-UZ1200BL

EPDM – Metal and X-ray Detectable Clamp Gaskets

Feature
- Color code: two blue dots and three green dots

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P Class VI Cytotoxicity testing

NOTE: Also available in red, yellow, and green

Size	Black Part #	Blue Part #
1/2"	42MP-EZ50	42MP-EZ50BL
3/4"	42MP-EZ75	42MP-EZ75BL
1"	40MP-EZ100	40MP-EZ100BL
1-1/2"	40MP-EZ150	40MP-EZ150BL
2"	40MP-EZ200	40MP-EZ200BL
2-1/2"	40MP-EZ250	40MP-EZ250BL
3"	40MP-EZ300	40MP-EZ300BL
4"	40MP-EZ400	40MP-EZ400BL
6"	40MP-EZ600	40MP-EZ600BL
8"	40MP-EZ800	40MP-EZ800BL
10"	40MP-EZ1000	40MP-EZ1000BL

M

FKM – Metal and X-ray Detectable Clamp Gaskets

Feature
- Color code: two blue dots, one white dot, and one yellow dot

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P Class VI Cytotoxicity testing

NOTE: Also available in red, and blue

Size	Black Part #
1/2"	42MP-SFYZ50
3/4"	42MP-SFYZ75
1"	40MP-SFYZ100
1-1/2"	40MP-SFYZ150
2"	40MP-SFYZ200
2-1/2"	40MP-SFYZ250
3"	40MP-SFYZ300
4"	40MP-SFYZ400
6"	40MP-SFYZ600

Silicone – Metal and X-ray Detectable Clamp Gaskets

Feature
- Color code: two blue dots and one pink dot

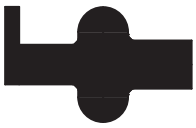
Approvals
- Meets 21CFR 177.2600
- Passed U.S.P.Class VI Cytotoxicity testing

Size	Blue Part #	Red Part #
1/2"	42MP-XZ50BL	42MP-XZ50RD
3/4"	42MP-XZ75BL	42MP-XZ75RD
1"	40MP-XZ100BL	40MP-XZ100RD
1-1/2"	40MP-XZ150BL	40MP-XZ150RD
2"	40MP-XZ200BL	40MP-XZ200RD
2-1/2"	40MP-XZ250BL	40MP-XZ250RD
3"	40MP-XZ300BL	40MP-XZ300RD
4"	40MP-XZ400BL	40MP-XZ400RD
6"	40MP-XZ600BL	40MP-XZ800RD
8"	40MP-XZ800BL	40MP-XZ1000RD

Visit dixonvalve.com for sizing charts.

Flanged Clamp Gaskets

Flanged Clamp Gaskets – Black



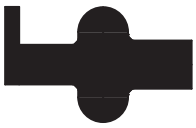
Type 2 - Flanged
1" and larger

Size	Nitrile Rubber Part #
1"	40MPF-U100
1-1/2"	40MPF-U150
2"	40MPF-U200
2-1/2"	40MPF-U250
3"	40MPF-U300
4"	40MPF-U400
6"	40MPF-U600
8"	40MPF-U800
10"	40MPF-U1000
12"	40MPF-U1200

Feature
- Color code: one red dot

Approval
- Meets 21CFR 177.2600

Flanged Clamp Gaskets – White



Type 2 - Flanged
1" and larger

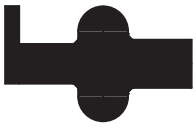
Size	Nitrile Rubber Part #
1"	40MPF-UW100
1-1/2"	40MPF-UW150
2"	40MPF-UW200
2-1/2"	40MPF-UW250
3"	40MPF-UW300
4"	40MPF-UW400
6"	40MPF-UW600
8"	40MPF-UW800
12"	40MPF-UW1200

NOTE: Other sizes available upon request.

Features
- Color code: one red dot
- Peroxide cured

Approval
- Meets 21CFR 177.2600

Flanged Clamp Gaskets – Black



Type 2 - Flanged
1" and larger

Size	EPDM Part #
1"	40MPF-E100
1-1/2"	40MPF-E150
2"	40MPF-E200
2-1/2"	40MPF-E250
3"	40MPF-E300
4"	40MPF-E400
6"	40MPF-E600
8"	40MPF-E800
10"	40MPF-E1000
12"	40MPF-E1200

Features
- Color code: three green dots
- Peroxide cured

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

Visit dixonvalve.com for sizing charts.

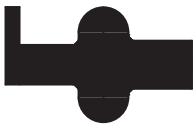
Clamp Flanged Gaskets

Flanged Clamp Gaskets – Black

Features
- Color code: one white dot, one yellow dot
- Not recommended for use with bolted clamps

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

Size	FKM Part #
1"	40MPF-SFY100
1-1/2"	40MPF-SFY150
2"	40MPF-SFY200
2-1/2"	40MPF-SFY250
3"	40MPF-SFY300
4"	40MPF-SFY400
6"	40MPF-SFY600
8"	40MPF-SFY800
10"	40MPF-SFY1000
12"	40MPF-SFY1200



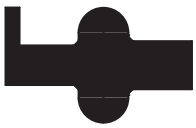
Type 2 - Flanged
1" and larger

Flanged Clamp Gaskets – White

Features
- Color code: one pink dot
- Peroxide cured
- Not recommended for use with bolted clamps

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

Size	Silicone Part #
1"	40MPF-XW100
1-1/2"	40MPF-XW150
2"	40MPF-XW200
2-1/2"	40MPF-XW250
3"	40MPF-XW300
4"	40MPF-XW400
6"	40MPF-XW600
8"	40MPF-XW800
10"	40MPF-XW1000
12"	40MPF-XW1200



Type 2 - Flanged
1" and larger

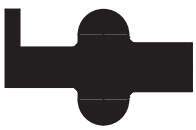
M

Flanged Clamp Gaskets – Clear

Features
- Color code: no dot
- Platinum cured
- Not recommended for use with bolted clamps

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

Size	Silicone Part #
1"	40MPF-XCPL100
1-1/2"	40MPF-XCPL150
2"	40MPF-XCPL200
2-1/2"	40MPF-XCPL250
3"	40MPF-XCPL300
4"	40MPF-XCPL400
6"	40MPF-XCPL600
8"	40MPF-XCPL800



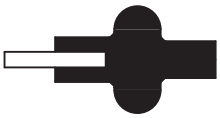
Type 2 - Flanged
1" and larger

NOTE: Other sizes available upon request.

Visit dixonvalve.com for sizing charts

Clamp Mesh Screened Gaskets

Mesh Screen Clamp Gasket, 316



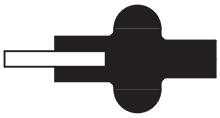
Type 3 – Mesh

Size	Nitrile Rubber Part #
1"	40MPS-U100
1-1/2"	40MPS-U150
2"	40MPS-U200
2-1/2"	40MPS-U250
3"	40MPS-U300
4"	40MPS-U400

Feature
- Color code: one red dot

Approval
- Meets 21CFR 177.2600

Mesh Screen Clamp Gaskets, 316



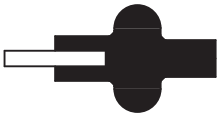
Type 3 – Mesh

Size	EPDM Part #
1"	40MPS-E100
1-1/2"	40MPS-E150
2"	40MPS-E200
2-1/2"	40MPS-E250
3"	40MPS-E300
4"	40MPS-E400

Features
- Color code: three green dot
- Peroxide cured

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

Mesh Screen Clamp Gaskets, 316



Type 3 – Mesh

Size	FKM Part #
1"	40MPS-SFY100
1-1/2"	40MPS-SFY150
2"	40MPS-SFY200
2-1/2"	40MPS-SFY250
3"	40MPS-SFY300
4"	40MPS-SFY400

Feature
- Color code: one white dot

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

NOTE: For other sizes and configurations, contact Dixon Sanitary at 800.789.1718.

Visit dixonvalve.com for sizing charts.

Clamp Perforated Gaskets

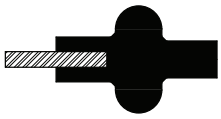
Perforated Clamp Gaskets – .033" holes

Feature
- Color code: one red dot

Material
- Perforated metal disc 316 stainless steel sheet

Approval
- Meets 21CFR 177.2600

Size	Nitrile Rubber Part #
1"	40MP-UP100
1-1/2"	40MP-UP150
2"	40MP-UP200
2-1/2"	40MP-UP250
3"	40MP-UP300
4"	40MP-UP400



Type 3 – Perforated

Clamp Orifice Gaskets

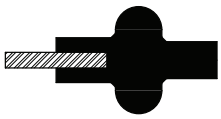
Orifice Clamp Gaskets – .125" hole

Feature
- Color code: one red dot

Material
- 316 stainless steel sheet

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

Size	Nitrile Rubber Part #
1"	A80MP-U100
1-1/2"	A80MP-U150
2"	A80MP-U200
2-1/2"	A80MP-U250
3"	A80MP-U300
4"	A80MP-U400



Type 3

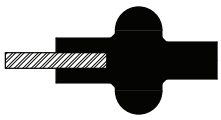
Orifice Clamp Gaskets – .125" hole

Feature
- Color code: one white dot

Material
- 316 stainless steel sheet

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

Size	FKM Part #
1"	A80MP-SFY100
1-1/2"	A80MP-SFY150
2"	A80MP-SFY200
2-1/2"	A80MP-SFY250
3"	A80MP-SFY300
4"	A80MP-SFY400

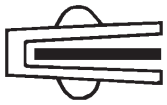


Type 3

NOTE: For other sizes and configurations, contact Dixon Sanitary at 800.789.1718.

Clamp Envelope Gaskets

Envelope Clamp Gaskets with EPDM Filler

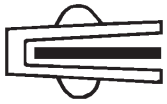


Size	PTFE Part #
1/2"	42MP-GRE50
3/4"	42MP-GRE75
1"	40MP-GRE100
1-1/2"	40MP-GRE150
2"	40MP-GRE200
2-1/2"	40MP-GRE250
3"	40MP-GRE300
4"	40MP-GRE400
6"	40MP-GRE600
8"	40MP-GRE800

Features
- Color code: usually not marked
- Peroxide cured EPDM

Approval
- Meets 21CFR 177.1550

Envelope Clamp Gaskets with FKM Filler



Size	PTFE Part #
1/2"	42MP-GR50
3/4"	42MP-GR75
1"	40MP-GR100
1-1/2"	40MP-GR150
2"	40MP-GR200
2-1/2"	40MP-GR250
3"	40MP-GR300
4"	40MP-GR400
6"	40MP-GR600
8"	40MP-GR800

Features
- Color code: usually not marked
- Bisphenol AF cured FKM

Approvals
- Meets 21CFR 177.1550
- PTFE Passed U.S.P. Class VI Cytotoxicity testing

M

NOTE: PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration, and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.

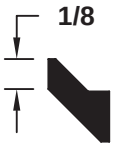
Bevel Seat Gaskets

Bevel Seat Gaskets – Black

Feature
- Color code: one red dot

Approval
- Meets 21CFR 177.2600

Size	Nitrile Rubber Part #
1"	40BS-O100
1-1/2"	40BS-O150
2"	40BS-O200
2-1/2"	40BS-O250
3"	40BS-O300
4"	40BS-O400



Flat Bevel Seat Gaskets – Black

Feature
- Color code: one red dot

Approval
- Meets 21CFR 177.2600

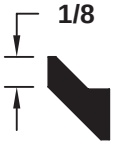
Size	Nitrile Rubber Part #
1"	40BS-F100
1-1/2"	40BS-F150
2"	40BS-F200
2-1/2"	40BS-F250
3"	40BS-F300
4"	40BS-F400

Bevel Seat Gaskets – Black

Features
- Color code: three green dots
- Peroxide cured

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

Size	EPDM Part #
1"	40BS-E100
1-1/2"	40BS-E150
2"	40BS-E200
2-1/2"	40BS-E250
3"	40BS-E300
4"	40BS-E400



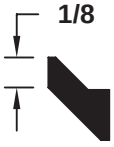
M

Bevel Seat Gaskets – Black

Feature
- Color code: one white dot and one yellow dot

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

Size	FKM Part #
1"	40BS-Y100
1-1/2"	40BS-Y150
2"	40BS-Y200
2-1/2"	40BS-Y250
3"	40BS-Y300
4"	40BS-Y400

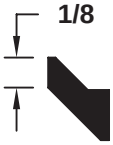


NOTE: PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.

Visit dixonvalve.com for sizing charts.

Bevel Seat Gaskets

Bevel Seat Gaskets – White

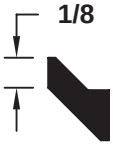


Size	Silicone Part #
1"	40BS-X100
1-1/2"	40BS-X150
2"	40BS-X200
2-1/2"	40BS-X250
3"	40BS-X300
4"	40BS-X400

Features
- Color code: one pink dot
- Peroxide cured

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

Bevel Seat Gaskets – White



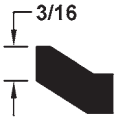
Size	PTFE Part #
1"	40BS-S100
1-1/2"	40BS-S150
2"	40BS-S200
2-1/2"	40BS-S250
3"	40BS-S300
4"	40BS-S400

Feature
- Color code: no dot

Approvals
- Meets 21CFR 177.1550
- Passed U.S.P. Class VI Cytotoxicity testing

M

Bevel Seat Gaskets – White



Size	Heavy PTFE Part #
1"	40BS-H100
1-1/2"	40BS-H150
2"	40BS-H200
2-1/2"	40BS-H250
3"	40BS-H300
4"	40BS-H400

Feature
- Color code: no dot

Approvals
- Meets 21CFR 177.1550
- Passed U.S.P. Class VI Cytotoxicity testing

NOTE: PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration, and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.

I-Line Gaskets

I-Line Gaskets – Black 3/32"

Feature
- Color code: one red dot

Approval
- Meets 21CFR 177.2600

Size	Nitrile Rubber Part #
1"	40IH100
1-1/2"	40IH150
2"	40IH200
2-1/2"	40IH250
3"	40IH300
4"	40IH400
6"	40IH600
8"	40IH800

I-Line Gaskets – White 3/32"

Features
- Color code: three green dots
- Peroxide cured

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

Size	EPDM Part #
1"	40IE100
1-1/2"	40IE150
2"	40IE200
2-1/2"	40IE250
3"	40IE300
4"	40IE400
6"	40IE600
8"	40IE800

I-Line Gaskets – White 1/16"

Features
- Color code: three green dots
- Peroxide cured

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

Size	EPDM Part #
1-1/2"	40IE15016
2"	40IE20016
2-1/2"	40IE25016
3"	40IE30016
4"	40IE40016
6"	40IE60016
8"	40IE80016

M

I-Line Gaskets – 1/16"

Features
- Color code: one white dot and one yellow dot
- Peroxide cured

Approvals
- Meets 21CFR 177.1550
- Passed U.S.P. Class VI Cytotoxicity testing

Size	FKM Part #
1"	40IV10016
1-1/2"	40IV15016
2"	40IV20016
2-1/2"	40IV25016
3"	40IV30016
4"	40IV40016
6"	40IV60016
8"	40IV80016

I-Line Gaskets – 3/32"

Feature
- Color code: one white dot and one yellow dot

Approvals
- Meets 21CFR 177.1550
- Passed U.S.P. Class VI Cytotoxicity testing

Size	FKM Part #
1"	40IV100
1-1/2"	40IV150
2"	40IV200
2-1/2"	40IV250
3"	40IV300
4"	40IV400
6"	40IV600
8"	40IV800

I-Line Gaskets

I-Line Gaskets – 1/16"

Size	PTFE Part #
1"	40IT100
1-1/2"	40IT150
2"	40IT200
2-1/2"	40IT250
3"	40IT300
4"	40IT400
6"	40IT600
8"	40IT800

Feature
- Color code: no dot

Approvals
- Meets 21CFR 177.1550
- Passed U.S.P. Class VI Cytotoxicity testing

NOTE: PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.

Q-Line Gaskets

Q-Line Gaskets – Black

Size	Nitrile Rubber Part #
1"	40QH100
1-1/2"	40QH150
2"	40QH200
2-1/2"	40QH250
3"	40QH300
4"	40QH400

Feature
- Color code: one red dot

Approval
- Meets 21CFR 177.2600

Q-Line Gaskets – White

Size	PTFE Part #
1"	40QT100
1-1/2"	40QT150
2"	40QT200
2-1/2"	40QT250
3"	40QT300
4"	40QT400

Feature
- Color code: no dot

Approvals
- Meets 21CFR 177.1550
- Passed U.S.P. Class VI Cytotoxicity testing

NOTE: PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration, and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.

John Perry Gaskets

John Perry Gaskets – Nitrile Rubber

Feature
- Color code: one red dot

Approval
- Meets 21CFR 177.2600

Size	Nitrile Rubber 80 Duro Part #
1"	40JP-U100
1-1/2"	40JP-U150
2"	40JP-U200
2-1/2"	40JP-U250
3"	40JP-U300
4"	40JP-U400

John Perry Gaskets – EPDM

Features
- Color code: three green dots
- Peroxide cured

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

Size	EPDM Part #
1"	40JP-E100
1-1/2"	40JP-E150
2"	40JP-E200
2-1/2"	40JP-E250
3"	40JP-E300
4"	40JP-E400

John Perry Gaskets

John Perry Gaskets – FKM

Features
- Color code: one white dot and one yellow dot
- Peroxide cured

Approvals
- Meets 21CFR 177.2600
- Passed U.S.P. Class VI Cytotoxicity testing

Size	FKM Part #
1"	40JP-SFY100
1-1/2"	40JP-SFY150
2"	40JP-SFY200
2-1/2"	40JP-SFY250
3"	40JP-SFY300
4"	40JP-SFY400

John Perry Gaskets – PTFE

Feature
- Color code: no dot

Approvals
- Meets 21CFR 177.1550
- Passed U.S.P. Class VI Cytotoxicity testing

Size	Virgin PTFE Part #
1"	40JP-G100
1-1/2"	40JP-G150
2"	40JP-G200
2-1/2"	40JP-G250
3"	40JP-G300
4"	40JP-G400

NOTE: PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.

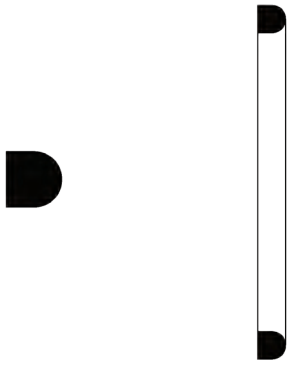
European Fittings – Gaskets

DIN Euro Gaskets – Black

Feature
- Color code: one red dot

Specification
- DIN 11851

Approval
- Meets 21CFR 177.2600



Nominal Size	I.D. (mm)	O.D. (mm)	Nitrile Rubber Part #
1"	29.97	39.88	40MP-U100DIN
1-1/2"	41.91	52.07	40MP-U150DIN
2"	54.10	64.01	40MP-U200DIN
2-1/2"	71.12	81.03	40MP-U250DIN
3"	85.09	95.00	40MP-U300DIN
4"	103.89	114.05	40MP-U400DIN

SMS Euro Gaskets – Black

Features
- Color code: one red dot
- L-style

Approval
- Meets 21CFR 177.2600

Nominal Size	I.D. (mm)	O.D. (mm)	Nitrile Rubber Part #
1"	24.89	32.00	40MP-U100SMS
1-1/2"	37.49	48.00	40MP-U150SMS
2"	50.80	61.00	40MP-U200SMS
2-1/2"	63.50	73.40	40MP-U250SMS
3"	75.95	86.10	40MP-U300SMS
4"	103.89	114.00	40MP-U400SMS

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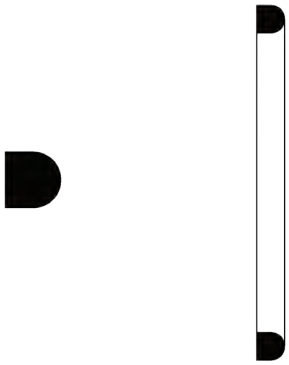
European Gaskets

DIN Euro Gaskets – Black

Feature
- Color code: three green dots



Specification
- DIN 11851

Approval
- Meets 21CFR 177.2600

Nominal Size	I.D. (mm)	O.D. (mm)	EPDM Part #
1"	29.97	39.88	40MP-E100DIN
1-1/2"	41.91	52.07	40MP-E150DIN
2"	54.10	64.01	40MP-E200DIN
2-1/2"	71.12	81.03	40MP-E250DIN
3"	85.09	95.00	40MP-E300DIN
4"	103.89	114.05	40MP-E400DIN

SMS Euro Gaskets – Black

Features
- Color code: three green dots
- L-style

Approval
- Meets 21CFR 177.2600

Nominal Size	I.D. (mm)	O.D. (mm)	EPDM Part #
1"	24.89	32.00	40MP-E100SMS
1-1/2"	37.49	48.00	40MP-E150SMS
2"	50.80	61.00	40MP-E200SMS
2-1/2"	63.50	73.40	40MP-E250SMS
3"	75.95	86.10	40MP-E300SMS
4"	103.89	114.00	40MP-E400SMS

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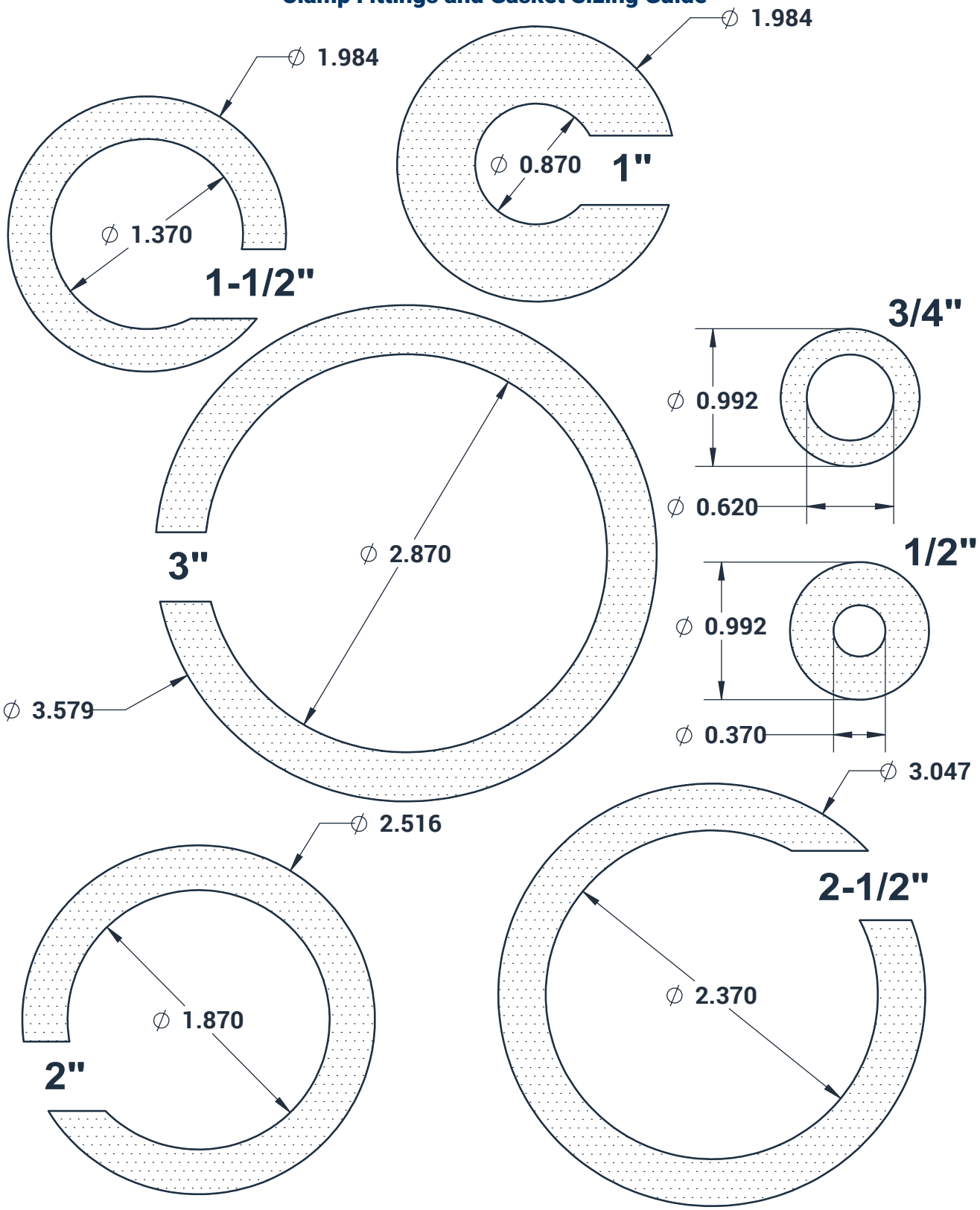
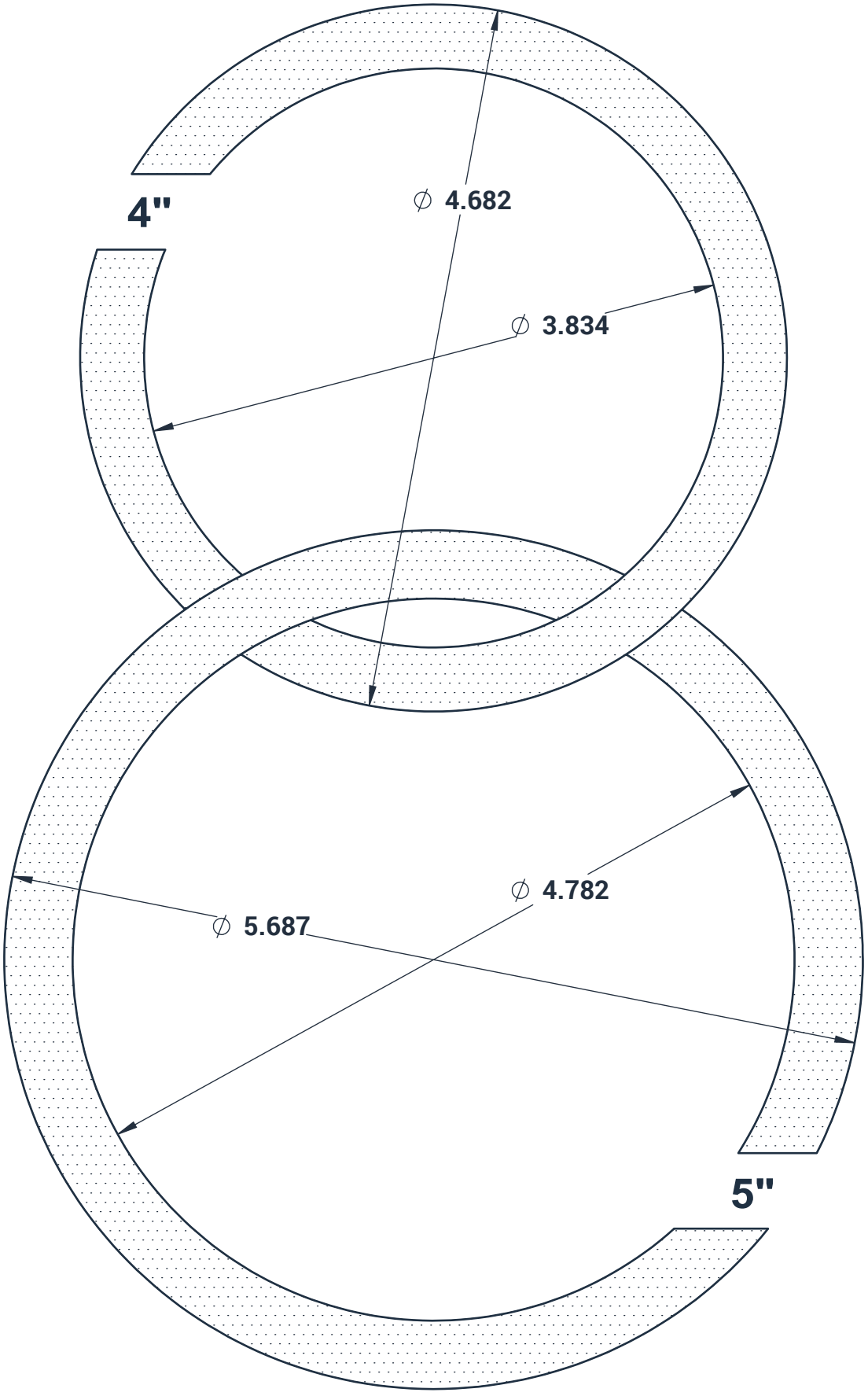
Clamp Fittings and Gasket Sizing Guide



Sanitary Size	O.D. of Clamp End (in)	I.D. of Fitting (in)
1/2"	0.992	0.370
3/4"	0.992	0.620
1"	1.984	0.870
1-1/2"	1.984	1.370
2"	2.516	1.870
2-1/2"	3.047	2.370

Sanitary Size	O.D. of Clamp End (in)	I.D. of Fitting (in)
3"	3.579	2.870
4"	4.682	3.834
6"	6.562	5.782
8"	8.602	7.782
10"	10.570	9.782
12"	12.570	11.760

Clamp Fittings and Gasket Sizing Guide



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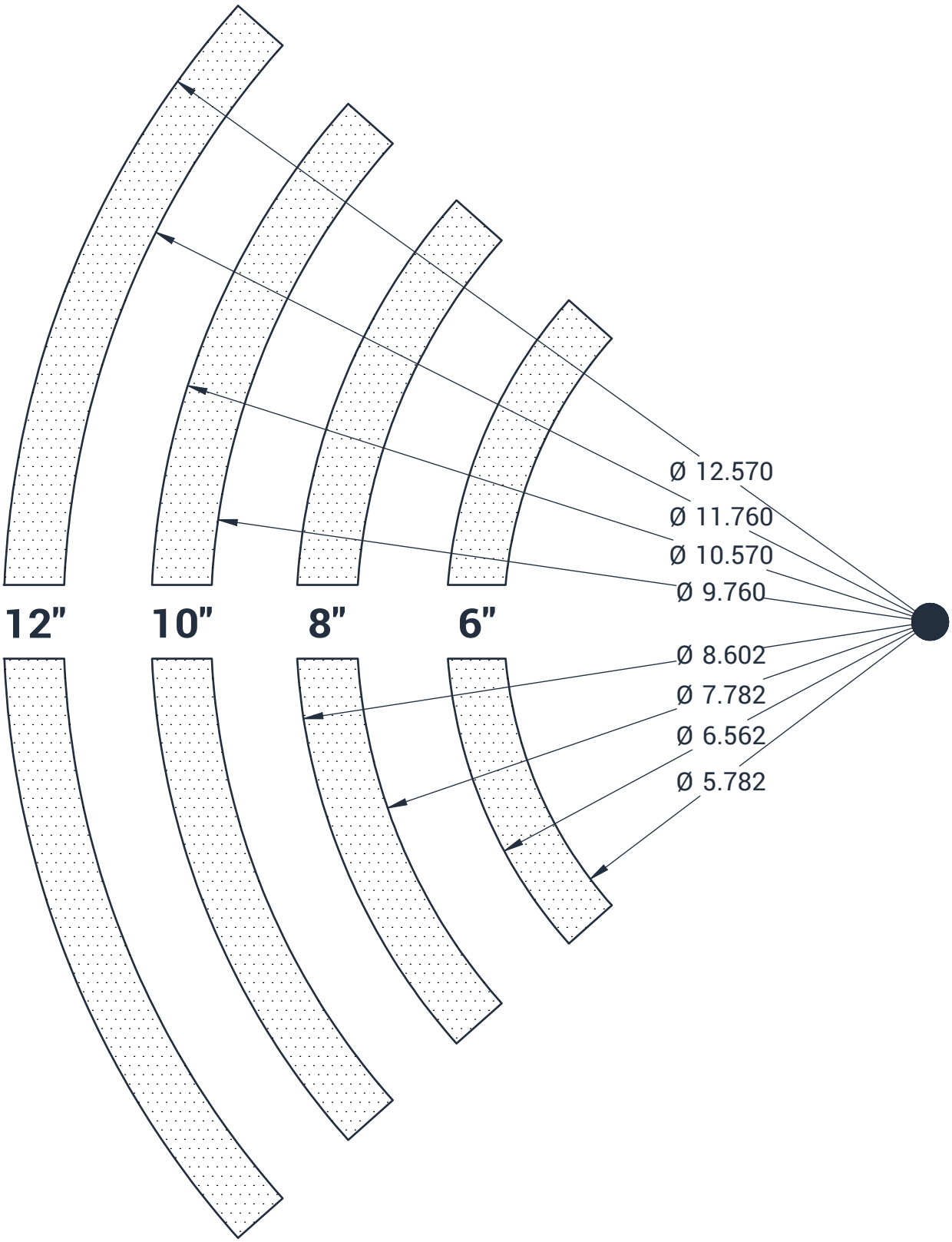
Clamp Fittings and Gasket Sizing Guide



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3-A 331
33-03

Dixon Sanitary Tubing

Tube O.D.	Nominal Wall Thickness (in)	Gage Number	Wt. Pounds per Ft.
1/2"	.065	16	0.31
3/4"			0.49
1"			0.67
1-1/2"			1.02
2"			1.36
2-1/2"			1.71
3"			2.06
4"	.083	14	3.45
6"	.109	12	6.92

Sizes
- 1/2" – 6" O.D. tube

Features
- Surcharges change MONTHLY
- Tubing available in 20' lengths only
- Broken box charges apply
- Tubing only ships via truck
- Tubing is NOT returnable

Materials
- G = 304 stainless steel
- R = 316L stainless steel
- 3A sanitary finish I.D. and O.D.; Typical 32Ra
- Unpolished
- BPE finishes:
  - SF1: 20Ra I.D., 32Ra O.D.
  - SF4: 15Ra I.D., 32Ra O.D.

NOTE: Call Dixon Sanitary at 800.789.1718 for pricing, full freight allowance, and other sizes available.

Operating Pressures

304 Stainless Steel Tube

Tube O.D.	Nominal Wall Thickness (in)	Pressure (PSI)		
		Working	Yield	Burst
1/2"	.065	**4,870**	**7,800**	**19,500**
3/4"		**3,250**	**5,200**	**13,000**
1"		**2,440**	**3,900**	**9,800**
1-1/2"		**1,630**	**2,600**	**6,500**
2"		**1,220**	**2,000**	**4,900**
2-1/2"		**980**	**1,600**	**3,900**
3"		**810**	**1,300**	**3,300**
4"	.083	**780**	**1,200**	**3,100**
6"	.109	**680**	**1,090**	**2,720**

The pressures shown in the table above are calculated using Barlow's Formula and the following properties:
- Material: 304 stainless steel
- Yield strength (**PSI**): **30,000**
- Tensile strength (**PSI**): **75,000**

Working Pressure = 1/4 of Burst Pressure, these calculate from **-20°F** to **100°F (-29°C** to **38°C)**.

316L Stainless Steel Tube

Tube O.D.	Nominal Wall Thickness (in)	Pressure (PSI)		
		Working	Yield	Burst
1/2"	.065	**3,250**	**6,500**	**19,500**
3/4"		**2,167**	**4,330**	**13,000**
1"		**2,280**	**3,300**	**9,100**
1-1/2"		**1,520**	**2,200**	**6,100**
2"		**1,140**	**1,600**	**4,600**
2-1/2"		**910**	**1,300**	**3,600**
3"		**760**	**1,100**	**3,000**
4"	.083	**730**	**1,000**	**2,900**
6"	.109	**635**	**900**	**2,540**

The pressures shown in the table above are calculated using Barlow's Formula and the following properties:
- Material: 316L stainless steel
- Yield strength (**PSI**): **25,000**
- Tensile strength (**PSI**): **70,000**

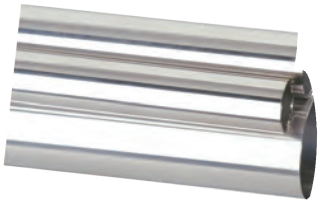
Working Pressure = 1/4 of Burst Pressure, these calculate from **-20°F** to **100°F (-29°C** to **38°C)**.

Pipe size and tube O.D. size materials are not interchangable.

ASTM-A270 Polished I.D. and O.D. Tubing

Feature
- ASTM-A270-02 welded austenitic stainless steel sanitary tubing

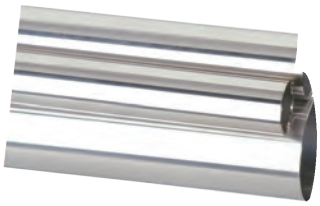
Size	Nominal Wall Thickness (in)	Box Quantity/ Sticks	Tubing Type	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	0.065	100'/5	seamless	---	A270-R50P
3/4"				---	A270-R75P
1"		280'/14	laser weld	A270-G100P	A270-R100P
1-1/2"		340'/17		A270-G150P	A270-R150P
2"				A270-G200P	A270-R200P
2-1/2"		220'/11		A270-G250P	A270-R250P
3"				A270-G300P	A270-R300P
4"		100'/5		A270.065-G400P	--
4"	0.083			A270.083-G400P	A270.083-R400P
5"		40'/2	passivated laser weld	A270.083-G500P	--
6"				A270.083-G600P	--
6"	0.109			A270.109-G600P	A270.109-R600P
8"				A270-G800P	A270-R800P



ASTM-A269 Unpolished I.D. and O.D. Tubing

Feature
- ASTM-A269-02 welded austenitic stainless steel sanitary tubing for general service

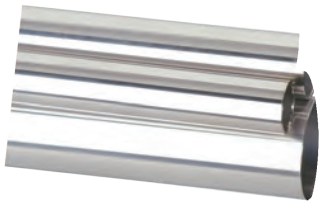
Size	Nominal Wall Thickness (in)	Box Quantity/ Sticks	Tubing Type	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	0.065	280'/14	laser weld	A269-G100U	A269-R100U
1-1/2"		340'/17		A269-G150U	A269-R150U
2"				A269-G200U	A269-R200U
2-1/2"		220'/11		A269-G250U	A269-R250U
3"				A269-G300U	A269-R300U
4"		100'/5		A269.065-G400U	---
4"	0.083			A269.083-G400U	A269.083-R400U
5"		40'/2	passivated laser weld	A269.083-G500U	---
6"				A269.083-G600U	---
6"	0.109			A269.109-G600U	A269.109-R600U
8"				A269-G800U	A269-R800U



ASTM-A270 BPE Polished I.D. and O.D. Polished Tubing

Feature
- ASTM-A270-S2 laser welded tubing

Size	Nominal Wall Thickness (in)	Box Quantity/ Sticks	Tubing Type	Surface Finish	
				SF1	SF4
1/2"	0.065	100'/5	seamless	A270-R050PL	A270-050PM
3/4"				A270-R075PL	A270-075PM
1"		280'/14	laser weld	A270-R100PL	A270-100PM
1-1/2"		340'/17		A270-R150PL	A270-150PM
2"				A270-R200PL	A270-200PM
2-1/2"		220'/11		A270-R250PL	A270-250PM
3"				A270-R300PL	A270-300PM
4"	0.083	100'/5		A270-R400PL	A270-400PM
6"	0.109	40'/2	passivated laser weld	A270-R600PL	A270-600PM



PM Finish – Mechanical Polish – 20Ra maximum I.D., 32Ra maximum O.D.
PL Finish- Electropolish – 15Ra maximum I.D., 32Ra maximum O.D.

New

Tube Hex Hangers
24TH-Series Threadless Hanger

The 24TH-series threadless tube hanger from Dixon® introduces a new level of efficiency and hygienic design to the hanger market by incorporating a snap-secure latch system, simplifying and significantly reducing installation time by eliminating the standard thread design.

clip style in closed position

Features

- Partial open position allows for adjustment of tubing prior to final lock in
- Save time on installation with no tools needed
- Threadless design and bacteria-resistant architecture
- The snap-in insert assembly makes this hanger easy to assemble
  - Optionally compatible with our standard sleeves (inserts removed)
- Meets MSS SP-58 load ratings

sleeve style in partial open position

Specifications

- Materials of construction
  - Top and bottom halves and latch: 304 stainless steel
  - Hook: 304 stainless steel spring wire
  - Plastic inserts (qty 4): polypropylene
  - Plastic sleeve (qty 1): polypropylene

NOTE: The polypropylene inserts and sleeve are not to be used together

Size	Inserts and Hanger Part #	Sleeve and Hanger Part #	Only Insert Part #	Only Sleeve Part #
1"	24THP10	24THS10	24TH-PC	24TH-PS-100
1-1/2"	24THP15	24THS15		24TH-PS-150
2"	24THP20	24THS20		24TH-PS-200
3"	24THP30	24THS30		24TH-PS-300
4"	24THP40	24THS40		24TH-PS-400

M

Value Proposition

1916 DIXON 2026
110 YEARS OF UNCOMMON EXCELLENCE®

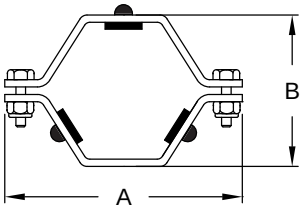
Dixon is committed to **delighting our customers** by being the easiest company they do business with every day.

Tube Hex Hangers

Hex Hanger with Rubber Grommets – B24RG

Specifications

- All hex and round style hangers can be equipped with the following coupler options:
  - 3/8" NPT
  - all thread: 3/8"-16 or 1/2"-13
- Rubber grommets temperature range: **-40°F** to **257°F (-40°C** to **125°C)**

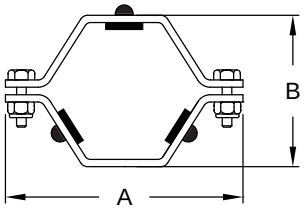


Tube O.D.	A (in)	B (in)	Grommet Qty	304 Stainless Steel Part #
1/2"	3.38	2.13	3	B24RG-G50
3/4"				B24RG-G75
1"				B24RG-G100
1-1/2"	3.75			B24RG-G150
2"	4.44	2.63		B24RG-G200
2-1/2"	4.94	3.13		B24RG-G250
3"	5.56	3.63		B24RG-G300
4"	6.63	4.50	4	B24RG-G400
5"	8.13	5.63		B24RG-G500
6"	9.19	6.63	5	B24RG-G600
8"	11.38	8.75		B24RG-G800
10"	14.50	10.50	6	B24RG-G1000
12"	16.63	12.63		B24RG-G1200

Hex Hanger with FKM Grommets – B24RGSFY

Specifications

- All hex and round style hangers can be equipped with the following coupler options:
  - 3/8" NPT
  - all thread: 3/8"-16 or 1/2"-13
- FKM grommets maximum temperature: **392°F (200°C)**



Tube O.D.	A (in)	B (in)	Grommet Qty	304 Stainless Steel Part #
1/2"	3.38	2.13	3	B24RGSFY-G50
3/4"				B24RGSFY-G75
1"				B24RGSFY-G100
1-1/2"	3.75			B24RGSFY-G150
2"	4.44	2.63		B24RGSFY-G200
2-1/2"	4.94	3.13		B24RGSFY-G250
3"	5.56	3.63		B24RGSFY-G300
4"	6.63	4.50	4	B24RGSFY-G400
6"	9.19	6.63	5	B24RGSFY-G600
8"	11.38	8.75		B24RGSFY-G800

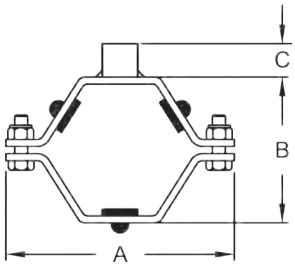
NOTE: Other sizes available upon request.

Tube Hex Hangers

Hex Hanger with Rubber Grommets and 3/8" NPT – B24RGC

Features
- Coupler is 3/8" NPT thread
- Optional: 1/2"-13 all thread or 3/8"-16 all thread

Specification
- Rubber grommets temperature range: **-40°F** to **257°F (-40°C** to **125°C)**



3/8" NPT

Tube O.D.	A (in)	B (in)	C (in)	Grommet Qty	304 Stainless Steel Part #
1/2" – 3/4"	3.43	1.45	0.75	3	B24RGC-G75
1"					B24RGC-G100
1-1/2"	4.00	2.13			B24RGC-G150
2"	4.50	2.50			B24RGC-G200
2-1/2"	4.75	1.13			B24RGC-G250
3"	5.50	3.75			B24RGC-G300
4"	6.75	4.75		4	B24RGC-G400
6"	9.25	6.63		5	B24RGC-G600
8"	11.50	8.63			B24RGC-G800

3/8"-16

Tube O.D.	A (in)	B (in)	C (in)	Grommet Qty	304 Stainless Steel Part #
1/2" – 3/4"	3.43	1.45	0.75	3	B24RGC16-G75
1"					B24RGC16-G100
1-1/2"	4.00	2.13			B24RGC16-G150
2"	4.50	2.50			B24RGC16-G200
2-1/2"	4.75	1.13			B24RGC16-G250
3"	5.50	3.75			B24RGC16-G300
4"	6.75	4.75		4	B24RGC16-G400
6"	9.25	6.63		5	B24RGC16-G600
8"	11.50	8.63			B24RGC16-G800

1/2"-13

Tube O.D.	A (in)	B (in)	C (in)	Grommet Qty	304 Stainless Steel Part #
1/2" – 3/4"	3.43	1.45	0.75	3	B24RGC13-G75
1"					B24RGC13-G100
1-1/2"	4.00	2.13			B24RGC13-G150
2"	4.50	2.50			B24RGC13-G200
2-1/2"	4.75	1.13			B24RGC13-G250
3"	5.50	3.75			B24RGC13-G300
4"	6.75	4.75		4	B24RGC13-G400
6"	9.25	6.63		5	B24RGC13-G600
8"	11.50	8.63			B24RGC13-G800

Tube Hex Hangers

Nuts and Bolts – 13NHN

Features

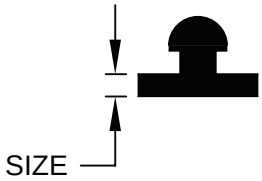
- All sizes hex hangers with grommets and round hangers 1" to 4" use 13NHN-G100-600 fastener sets
- 1/2" and 3/4" round and sleeved hangers use 13NHN-G75 fastener sets
- (2) nuts and bolts supplied to a set

Size	Description	304 Stainless Steel Part #
1/2" – 3/4"	1/4"-20 x 3/4" bolt with nylock nut	13NHN-G75
1" – 12"	5/16"-18 x 1" bolt with nylock nut	13NHN-G100-600

Grommets – 13RG

Specifications

- Rubber grommets maximum temperature: **257°F (125°C)**
- High-temperature rubber grommets maximum temperature: **392°F (200°C)**



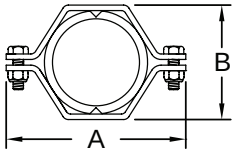
Size	Rubber Part #	High-Temp Rubber Part #
1/8"[1]	13RG18	13RGV18
1/4"	13RG14	13RGV14
1/2"	13RG12	13RGV12
3/8"[2]	13RG3/8	13RGV38
5/8"	13RG58	13RGV58

[1] For 1" hangers and larger
[2] For 1/2" and 3/4" hangers

M

Tube Hex Hangers

Hex Hanger with Polypropylene Sleeve – B24PS



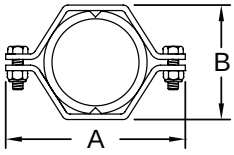
Specification

- Polypropylene sleeve maximum temperature: **225°F (107°C)**

Tube O.D.	A (in)	B (in)	304 Stainless Steel Part #
1/2"	2.80	1.15	B24PS-G50
3/4"			B24PS-G75
1"	3.43	1.45	B24PS-G100
1-1/2"	4.00	2.13	B24PS-G150
2"	4.50	2.50	B24PS-G200
2-1/2"	4.95	3.13	B24PS-G250
3"	5.50	3.75	B24PS-G300
4"	6.95	4.75	B24PS-G400
5"	8.06	5.63	B24PS-G500
6"	9.25	6.63	B24PS-G600
8"	11.50	8.63	B24PS-G800
10"	14.50	10.50	B24PS-G1000
12"	16.63	13.00	B24PS-G1200

NOTE: Metal detectable options available upon request.

Hex Hanger with High Temperature Polysulfone Sleeve – B24HS



Specification

- High temperature sleeve maximum temperature: **325°F (163°C)**

Tube O.D.	A (in)	B (in)	304 Stainless Steel Part #
1/2"	2.38	1.06	B24HS-G50
3/4"	2.63	1.19	B24HS-G75
1"	2.69	1.56	B24HS-G100
1-1/2"	3.63	2.13	B24HS-G150
2"	4.63	2.63	B24HS-G200
2-1/2"	4.81	3.13	B24HS-G250
3"	5.38	3.63	B24HS-G300
4"	6.63	4.63	B24HS-G400
6"	9.00	6.63	B24HS-G600

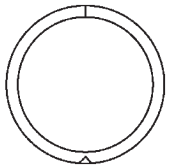
NOTE: Sleeve must be removed before welding.

Tube Hex Hangers

Sleeves – 13PS

Polypropylene

High Temperature



Specifications

- Polypropylene sleeve maximum temperature: **225°F (107°C)**
- High-temperature sleeve maximum temperature: **325°F (163°C)**

Size	Polypropylene Part #	High-Temperature Part #
1/2"	13PS-50	13HS-50
3/4"	13PS-75	13HS-75
1"	13PS-100	13HS-100
1-1/2"	13PS-150	13HS-150
2"	13PS-200	13HS-200
2-1/2"	13PS-250	13HS-250
3"	13PS-300	13HS-300
4"	13PS-400	13HS-400
5"	13PS-500	---
6"	13PS-600	13HS-600
8"	13PS-800	---

NOTE: Metal detectable options available upon request.

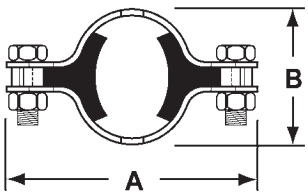
Round Hanger with Nitrile Inserts – B24RPH

Features

- All hex and round style hangers can be equipped with the following coupler options: 3/8" NPT or all thread; 3/8"-16 or 1/2"-13 available upon request

Specification

- Nitrile insert maximum temperature: **230°F (110°C)**



Tube O.D.	A (in)	B (in)	304 Stainless Steel Part #
1/2"	2.75	1.13	B24RPH-G50
3/4"			B24RPH-G75
1"	3.31	1.50	B24RPH-G100
1-1/2"	3.81	2.00	B24RPH-G150
2"	4.25	2.56	B24RPH-G200
2-1/2"	5.00	3.00	B24RPH-G250
3"	5.50	3.56	B24RPH-G300
4"	6.50	4.69	B24RPH-G400

M

Tube Block Hangers

Applications
- Clean rooms and mechanical areas; not limited to: biotech, pharmaceutical, and food processing
- Low flow and low pressure systems with moderate vibration: WFI, SIP, CIP, process, utility, and instrument lines

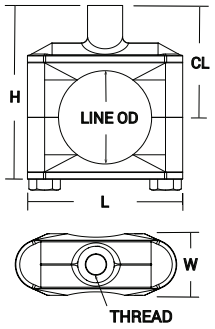
Sizes
- Support range: 1/2" to 4"; optional 6" – contact Dixon Sanitary at 800.789.1718

Features
- Insulation envelope: reduced O.D. allows hanger to be buried under the insulation jacket.
- ZERO PUDDLE silicone inserts raised geometry facilitates drainage of liquids on vertical/riser lines
- There are no exposed threads or openings in hardware plates

Materials
- ZERO PUDDLE silicone rubber inserts are available with FDA and UL ratings
- Hardware: 304 standard option and 316 stainless steel available upon request

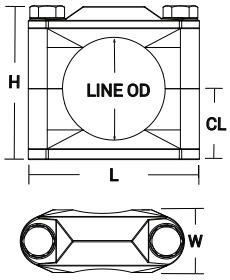
Specifications
- Intermittent temperatures from **-40°F** to **320°F (-40°C** to **160°C)**
- Continuous temperatures from **-20°** to **285°F (-29°C** to **140°C**)

Approvals
- All plates polished; bolts are cleaned and nuts are lubricated with FDA approved product
- Hanger threads match MSS SP-69 rod O.D. requirements



Hang Plate Block Hangers – B24-HP

Tube O.D.	Line O.D. (in)	H (in)	L (in)	W (in)	CL (in)	Thread	304 Stainless Steel Part #
1/2"	0.50	2.29	1.93	0.75	1.55	3/8"-16	B24-HP-G050
3/4"	0.75						B24-HP-G075
1"	1.00		1.96				B24-HP-G100
1-1/2"	1.50	2.79	2.49		1.80		B24-HP-G150
2"	2.00	3.29	2.99	0.88	2.05		B24-HP-G200
2-1/2"	2.50	3.58	3.36		2.09	1/2"-13	B24-HP-G250
3"	3.00	5.18	3.99		3.30		B24-HP-G300
4"	4.00	6.36	5.10	1.00	4.05	5/8"-11	B24-HP-G400

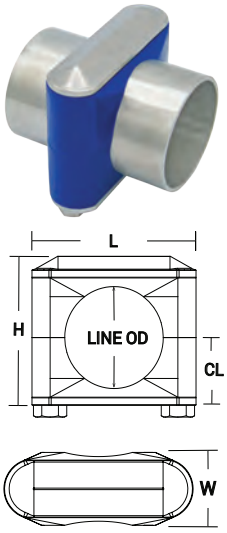


Weld Plate Block Hangers – B24-WP

Tube O.D.	Line O.D. (in)	H (in)	L (in)	W (in)	CL (in)	304 Stainless Steel Part #
1/2"	0.50	1.73	1.93	0.75	0.79	B24-WP-G050
3/4"	0.75					B24-WP-G075
1"	1.00		1.96			B24-WP-G100
1-1/2"	1.50	2.23	2.49		1.03	B24-WP-G150
2"	2.00	2.75	2.99	0.88	1.31	B24-WP-G200
2-1/2"	2.50	3.25	3.36		1.55	B24-WP-G250
3"	3.00	3.97	3.99		1.91	B24-WP-G300
4"	4.00	4.87	5.10	1.00	2.39	B24-WP-G400

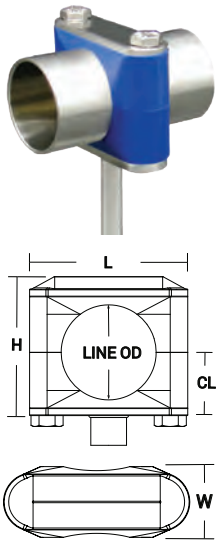
Tube Uni-Hinge Block Hangers

Base Mount Block Hangers – B24-BM



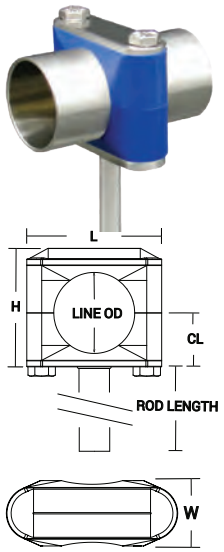
Tube O.D.	Line O.D. (in)	H (in)	L (in)	W (in)	CL (in)	304 Stainless Steel Part #
1/2"	0.50	1.70	1.93	0.75	0.73	B24-BM-G050
3/4"	0.75					B24-BM-G075
1"	1.00					B24-BM-G100
1-1/2"	1.50	2.19	2.49		0.97	B24-BM-G150
2"	2.00	2.69	2.99	0.88	1.25	B24-BM-G200
2-1/2"	2.50	3.19	3.36		1.49	B24-BM-G250
3"	3.00	3.97	3.99		1.85	B24-BM-G300

Base Mount Block Hanger Threaded Couplings – B24-BMTC



Tube Size	Line O.D. (in)	H (in)	L (in)	W (in)	CL (in)	Round Coupling		304 Stainless Steel Part #
						Height (in)	Thread	
1/2"	0.50	1.70	1.93	0.75	0.73	0.47	3/8"-16	B24-BMTC-G050
3/4"	0.75							B24-BMTC-G075
1"	1.00							B24-BMTC-G100
1-1/2"	1.50	2.19	2.49		0.97			B24-BMTC-G150
2"	2.00	2.69	2.99	0.88	1.25			B24-BMTC-G200
2-1/2"	2.50	3.19	3.36		1.49	0.59	1/2"-13	B24-BMTC-G250
3"	3.00	3.97	3.99		1.85			B24-BMTC-G300

Base Mount Block Hanger Rod Mounts – B24-BMR6

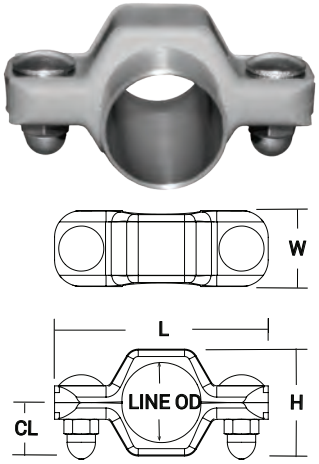


Tube Size	Line O.D. (in)	H (in)	L (in)	W (in)	CL (in)	Rod (stock length)		304 Stainless Steel Part #
						Length (in)	O.D.(in)	
1/2"	0.50	1.70	1.93	0.75	0.73	6.00	0.38	B24-BMR6-G050
3/4"	0.75							B24-BMR6-G075
1"	1.00							B24-BMR6-G100
1-1/2"	1.50	2.19	2.49		0.97			B24-BMR6-G150
2"	2.00	2.69	2.99	0.88	1.25			B24-BMR6-G200
2-1/2"	2.50	3.19	3.36		1.49		0.50	B24-BMR6-G250
3"	3.00	3.97	3.99		1.85			B24-BMR6-G300

M

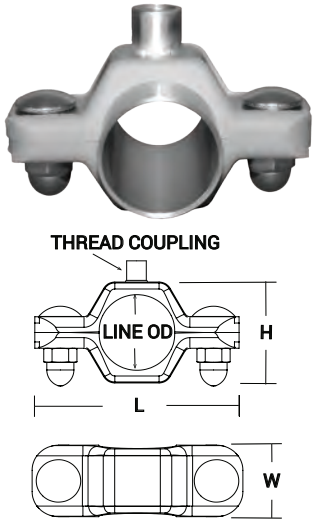
Tube Process Hex Hangers

Process Hex Hanger Weld Mount – B24V-PH



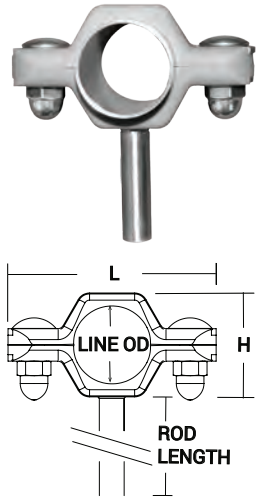
Tube O.D.	Line O.D. (in)	H (in)	L (in)	W (in)	CL (in)	304 Stainless Steel With Acorn Nut Part #	304 Stainless Steel With Lock Nut Part #
1/2"	0.50	1.15	2.80	1.10	0.58	B24-PH-G050	B24-PHL-G050
3/4"	0.75					B24-PH-G075	B24-PHL-G075
1"	1.00	1.45	3.00		0.73	B24-PH-G100	B24-PHL-G100
1-1/2"	1.50	1.93	4.00	1.42	0.98	B24-PH-G150	B24-PHL-G150
2"	2.00	2.50	4.60		1.25	B24-PH-G200	B24-PHL-G200
2-1/2"	2.50	4.00	5.10		4.00	B24-PH-G250	B24-PHL-G250
3"	3.00	3.50	5.60		1.75	B24-PH-G300	B24-PHL-G300
4"	4.00	4.55	6.75		2.28	B24-PH-G400	B24-PHL-G400

Process Hex Hanger Weld Mount Threaded Couplings – B24V-PHC



Tube O.D.	Line O.D. (in)	H (in)	L (in)	W (in)	Rod (stock length)		304 Stainless Steel With Acorn Nut Part #	304 Stainless Steel With Lock Nut Part #
					Height (in)	Thread		
1/2"	0.50	1.15	2.80	1.10	0.47	3/8"-16	B24-PHC-G050	B24-PHCL-G050
3/4"	0.75						B24-PHC-G075	B24-PHCL-G075
1"	1.00	1.45	3.00				B24-PHC-G100	B24-PHCL-G100
1-1/2"	1.50	1.93	4.00	1.42			B24-PHC-G150	B24-PHCL-G150
2"	2.00	2.50	4.60		0.59	1/2"-13	B24-PHC-G200	B24-PHCL-G200
2-1/2"	2.50	4.00	5.10				B24-PHC-G250	B24-PHCL-G250
3"	3.00	3.50	5.60				B24-PHC-G300	B24-PHCL-G300
4"	4.00	4.55	6.75				B24-PHC-G400	B24-PHCL-G400

Process Hex Hanger Weld Mount Rod Attached – B24V-PHR6

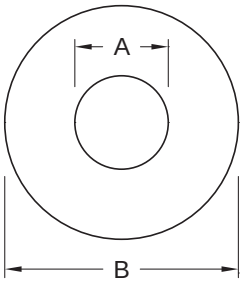


Tube O.D.	Line O.D. (in)	H (in)	L (in)	W (in)	Rod (stock length)		304 Stainless Steel With Acorn Nut Part #	304 Stainless Steel With Lock Nut Part #
					Length (in)	O.D. (in)		
1/2"	0.50	1.15	2.80	1.10	6	0.38	B24-PHR6-G050	B24-PHRL-PHR6L
3/4"	0.75						B24-PHR6-G075	B24-PHRL-G075
1"	1.00	1.45	3.00				B24-PHR6-G100	B24-PHR6L-G100
1-1/2"	1.50	1.93	4.00	1.42			B24-PHR6-G150	B24-PHR6L-G150
2"	2.00	2.50	4.60			0.50	B24-PHR6-G200	B24-PHR6L-G200
2-1/2"	2.50	4.00	5.10				B24-PHR6-G250	B24-PHR6L-G250
3"	3.00	3.50	5.60				B24-PHR6-G300	B24-PHR6L-G300
4"	4.00	4.55	6.75			0.63	B24-PHR6-G400	B24-PHR6L-G400

Wall Flanges

Flanges – B25

Tube O.D.	A (in)	B (in)	Nominal Wall Thickness (in)	304 Stainless Steel Part #
1/2"	.50	3.00	.065	B25-G050300
		5.00		B25-G050500
3/4"	.75	3.00		B25-G075300
		5.00		B25-G075500
1"	1.00	3.00		B25-G100300
		5.00		B25-G100500
1-1/2"	1.50			B25-G150500
2"	2.00			B25-G200500
2-1/2"	2.50			B25-G250500
3"	3.00	6.00		B25-G300600
4"	4.00	7.00		B25-G400700
5"	5.00	8.00		B25-G500800
6"	6.00	10.00		B25-G6001000
8"	8.00	12.00		B25-G8001200
10"	10.00	14.00		B25-G10001400



NOTE: Other sizes available upon request.

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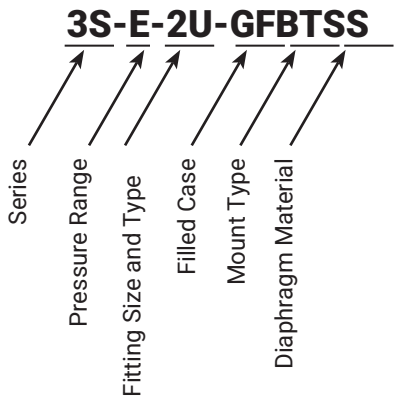
74-07

Dixon Sanitary Gauges

Model Number Breakdown



Sizes
- 1-1/2", 2", 2-1/2" or 3"

Features
- Finishes: 3A sanitary
- Finishes: pharmaceutical

Material
- 316L stainless steel

Ordering Information

Series
3S.....3-1/2" sanitary pressure gauge
5S.....5" sanitary pressure gauge
3P.....3-1/2" pharmaceutical pressure gauge
5P.....5" pharmaceutical pressure gauge

Pressure Range[1]
B.....**0** to **30 PSI (2 BAR)**
C.....**0** to **60 PSI (4 BAR)**
D.....**0** to **100 PSI (7 BAR)**
E.....**0** to **160 PSI (11 BAR)**
F.....**0** to **200 PSI (14 BAR)**
G.....**0** to **300 PSI (21 BAR)**
H.....**0** to **400 PSI (28 BAR)**
I.....**0** to **600 PSI (41 BAR)**
K.....**0** to **1,000 PSI (70 BAR)**

[1] Standard scales are in PSI only. For dual scales, add the letter B for PSI/BAR after the pressure range letter.

Fitting Type [2]
Specify size in inches: 15, 2, 25, or 3
I.....male I-Line
J.....female I-Line
R.....RJT
S.....#15 bevel seat sanitary male thread
T.....#13H captive nut and #14 bevel seat
U.....clamp
DIN.....DIN according to DIN 11851 (specify DIN40 or DIN50)
SMS.....SMS (specify SMS38 or SMS51)

[2] Specify size then type, i.e. 1-1/2" – 15

Filled Case
GF.....glycerine filled
NF.....no fill (dry)

Mount type
BT.....bottom
RT.....right side
LF.....left side
TP.....top
BK.....back

Diaphragm Material
SS.....stainless steel

Sanitary Pressure Gauges

74-07

Sizes
- Dial size: 3-1/2" or 5" diameter

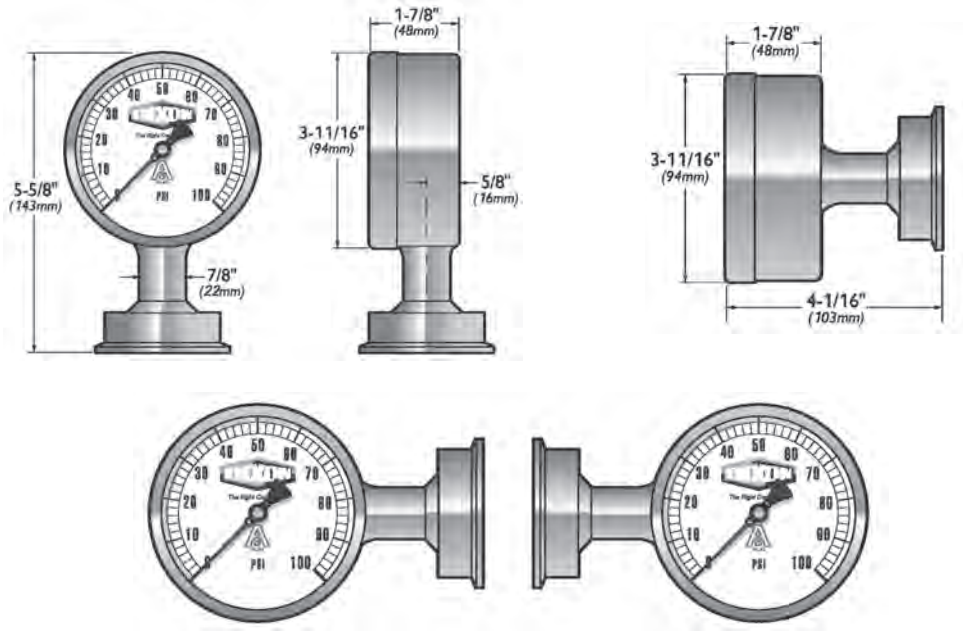
Features
- Accuracy: ± 1.5% of full scale
- Over range capacity: 30%
- Product contact: 316L stainless steel
- Surface finishes (product contact): Ra maximum = 25 microinches
- Standard fill: food grade glycerin
- Rezero feature: standard on pointer
- Shipping weight: approximately 3 lbs. (1.3 kg)

3S-EB-2U-GFBTSS

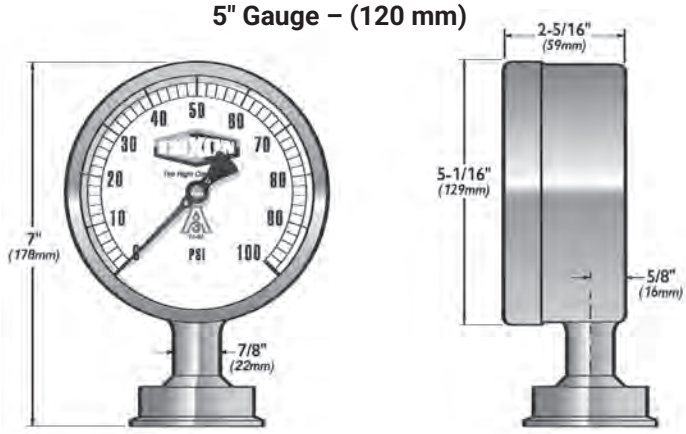
Materials
- Case: 304 stainless steel
- Lens: polycarbonate

Specification
- Temperature limits: **0°F** to **250°F (-18°C** to **121°C)**

3-1/2" Gauge – (90 mm)



5" Gauge – (120 mm)



Shown with 2" clamp
Product not returnable and no cancellations.

3-A 850 74-07

Sanitary Pressure Gauges

Part #	Dial Size	Pressure Range (PSI)	Clamp Size	Mount
3S-B-15U-GFBTSS	3-1/2"	**0-30**	1-1/2"	bottom
3S-C-15U-GFBTSS		**0-60**		
3S-D-15U-GFBTSS		**0-100**		
3S-E-15U-GFBTSS		**0-160**		
3S-F-15U-GFBTSS		**0-200**		
3S-G-15U-GFBTSS		**0-300**		
3S-B-15U-GFBKSS		**0-30**		back
3S-C-15U-GFBKSS		**0-60**		
3S-D-15U-GFBKSS		**0-100**		
3S-E-15U-GFBKSS		**0-160**		
3S-F-15U-GFBKSS		**0-200**		
3S-G-15U-GFBKSS		**0-300**		
3S-B-2U-GFBTSS		**0-30**	2"	bottom
3S-C-2U-GFBTSS		**0-60**		
3S-D-2U-GFBTSS		**0-100**		
3S-E-2U-GFBTSS		**0-160**		
3S-F-2U-GFBTSS		**0-200**		
3S-G-2U-GFBTSS		**0-300**		
3S-B-2U-GFBKSS		**0-30**		back
3S-C-2U-GFBKSS		**0-60**		
3S-D-2U-GFBKSS		**0-100**		
3S-E-2U-GFBKSS		**0-160**		
3S-F-2U-GFBKSS		**0-200**		
3S-G-2U-GFBKSS		**0-300**		

M

Product not returnable and no cancellations.

Pharmaceutical Pressure Gauges

3A 850
74-07

Sizes
- Dial size: 3-1/2" or 5" diameter

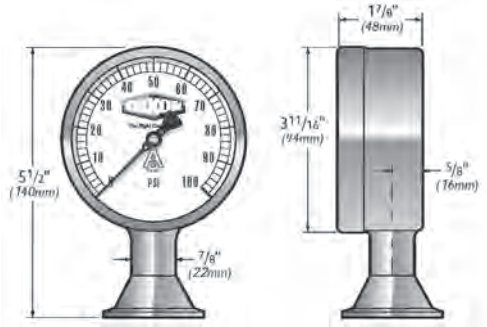
Features
- Accuracy: ± 0.75% of full scale
- Over range capacity: 30%
- Product contact: 316L stainless steel
- Surface finishes (product contact): Ra maximum = 8 microinches
- Standard fill: food grade glycerin
- Rezero feature: standard on pointer
- Shipping weight: approximately 3 lbs. (1.3 kg)

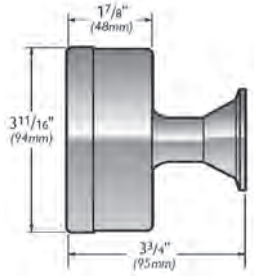
Materials
- Lens: polycarbonate
- Case: 304 stainless steel

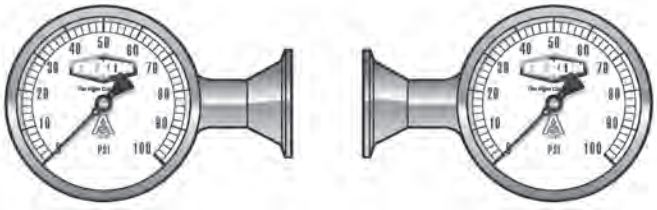
3P-D-15U-GFBT

Specification
- Temperature limits: **0°F** to **250°F (-18°C** to **121°C)**

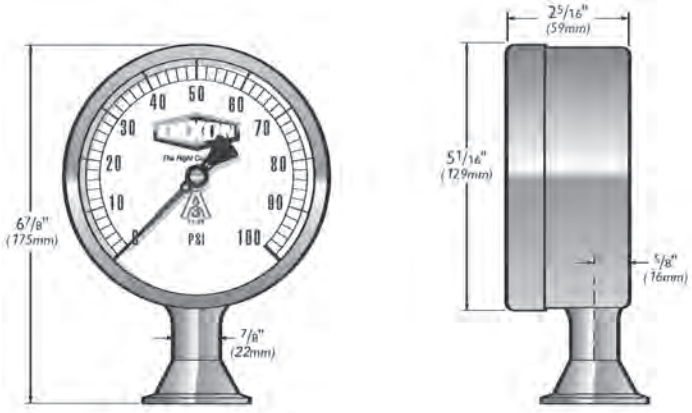
3-1/2" Gauge – (90 mm)







5" Gauge – (120 mm)



Product not returnable and no cancellations.

Homogenizer Pressure Gauges

Model Number Breakdown

5H - V - 03

Series | Pressure Range | Flange

Size
- Dial size: 5"

Features
- Lexan® lens virtually impervious to cracks and breakage
- Unique pulsation dampening system insulates the gauge movement from the punishing pulsations of a homogenizer
- Glycerine fill standard
- Waterproof construction
- CIP certified
- True zero with re-zero standard

Materials
- Product contact: 316L stainless steel
- Case: 304 stainless steel
- Lens: Lexan®

Specifications
- Ranges up to **15,000 PSI**
- Maximum temperature: **250°F (121°C)**

Ordering Information

Series
5H .....5" Sani-Flow homogenizer pressure gauge

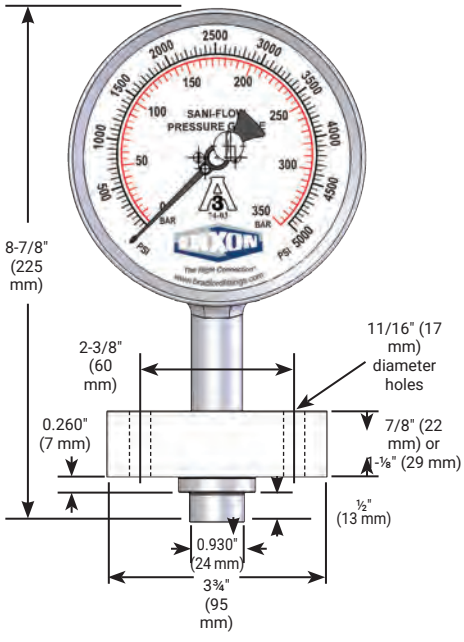
Pressure Range[1]
K.....**0** to **1,000 PSI (70 BAR)**
T.....**0** to **2,500 PSI (170 BAR)**
U.....**0** to **3,000 PSI (205 BAR)**
V.....**0** to **5,000 PSI (350 BAR)**
Y.....**0** to **7,500 PSI (520 BAR)**
W.....**0** to **10,000 PSI (700 BAR)**
X.....**0** to **15,000 PSI (1000 BAR)**

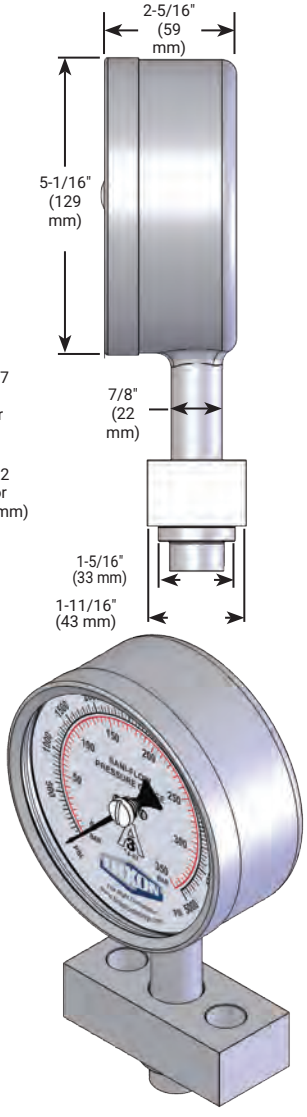
[1] Standard scales are in PSI only. For dual scales, after the pressure range add the letter B for PSI/BAR, K for PSI/Kg/cm3, P for PSI/KPa (see examples below).

Examples
5H-V-03 – Describes a 5" Sani-Flow homogenizer pressure gauge, **0 to 5,000 PSI**, a 1-1/8" thick flange, and a glycerine-filled case

5H-WB-01 – Describes a 5" Sani-Flow homogenizer pressure gauge, dual scale **0 to 10,000 PSI**/0 to 700 BAR, no flange, and a glycerine-filled case

Flange
01.....no flange
02.....7/8" thick 2-bolt flange
03.....1-1/8" thick 2-bolt flange
04.....1/2" thick 4-bolt flange
05.....3/4" thick 4-bolt flange
09.....1.66" thick laboratory homogenizer flange





Product not returnable and no cancellations.

Sanitary Digital Thermometers

3-A 850 74-07

Model Number Breakdown

DT-2U-BT-DF

- Series
- Fitting Size and Type
- Mount Type
- Display

Sizes
- Dial size: 3-1/2" diameter
- LCD display: 0.6"

Features
- Accuracy: ±1°
- Surface finish: Ra maximum is 8 microinches
- Battery size/life: standard AAA/3 years
- Shipping weight: approximately 3 lbs.

Materials
- Product contact: 316L stainless steel
- Case: 304 stainless steel
- Lens: 1/4" polycarbonate

Specifications
- Temperature limits: **-58°F** to **302°F (-50°C** to **150°C)**
- Ambient operating limits: **-4°F** to **140°F (-20°C** to **60°C)**
- Resolution: **0.1° (-58°** thru **199.9°)**

Ordering Information

Series
DT.....Sanitary digital thermometer

Fitting Type[1]
Sizes available: 75, 15, 2, 25, 3, and 4
I.....male I-Line
T.....#13H captive nut and #14 bevel seat
U.....clamp

[1] Specify size then type, i.e. 1-1/2" = 15U

Mount type
BT.....bottom
RT.....right side
LF.....left side
TP.....top
BK.....back
BTR.....remote fitting

Display
DF.....F (Fahrenheit) standard
DC.....C (Celsius)

Up-Date Interval
1.....one second (1 year battery life)

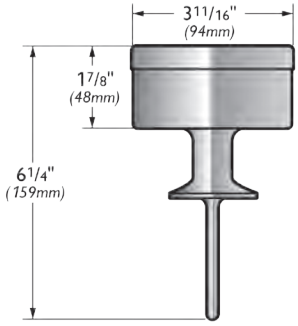
M

Dimensions

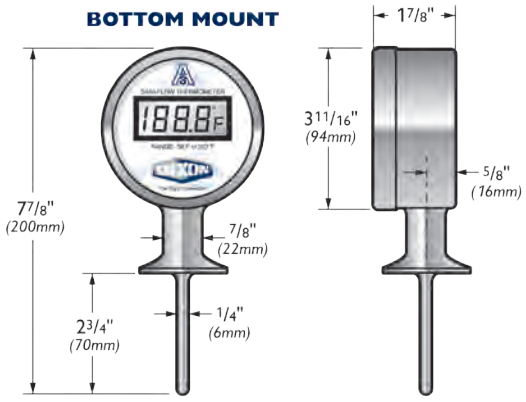
LEFT SIDE MOUNT

RIGHT SIDE MOUNT

BACK MOUNT



BOTTOM MOUNT



Ordering code shown with clamp configuration "U". See ordering information for other types available.

Size	Probe Length [1]	Code
3/4"	2-3/8"	75U
1"	2-5/5"	1U
1-1/2"	2-3/4"	15U
2"	3-1/2"	2U
2-1/2"	3-1/2"	25U
3"	3-3/4"	3U
4"	4-1/2"	4U

[1] Custom probe lengths are available

Product not returnable and no cancellations.

3-A 74-07 850

Sanitary RTDs and Temperature Transmitters

Sanitary RTD

Temperature transmitter

Materials

- Product contact: 316L stainless
- Exterior surfaces 316L with a near mirror finish

Features

- Standard 12mm industrial connector with gold-plated contacts for maximum corrosion resistance and cleanability
- Sensor elements are accurate up to +/-0.1C

Specifications

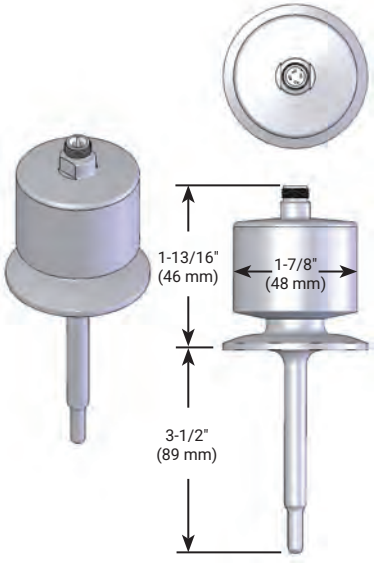
- RTD – temperature range: **-58°F** to **392°F (-50°C** to **200°C)**
- TT – temperature range: **-22°F** to **302°F (-30°C** to **150°C)**

Model Number Breakdown

RTD - 15U - E1

Series / Fitting / Element

RTD-20GI-38



TT-20-G1

Ordering Information

Series

RTD.....Sani-Flow resistive temperature device
TT .....Sani-Flow temperature transmitter

Sanitary Fittings

Fittings available in 5, 75, 15, 20, 25, 30, and 40

H.....G and H 'H' line male
I.....Male I-line
K.....APC 'K' clamp
Q.....Q-line
T .....#13H captive nut and #14 bevel seat
U.....Tri-clamp®

NOTE: Specify size, then adapter type such as 15U for 1-1/2" Tri-clamp adapter

NOTE: For special probes, add SP and the required probe length at the end of the part number, such as SP2.75 for a 2-3/4" long probe

Other Fittings

Specify probe length

A.....air space
M.....umbrella fittings
NPT .....1/4", 3/8", 1/2", 5/8", or 3/4" pipe thread
PW .....projectile well with 1-1/4"-18 UNEF male thread
SP .....split ferrule
VP .....VAT well fitting with #13H captive nut
OF.....no fitting

Element[1]

E1 .....single element
E2.....dual element

[1] Available for RTD only

Product not returnable and no cancellations.

Vacuum Fittings
KF Flanges and Fittings

Application
- Vacuum sealing for 1/2" to 2" O.D. tubing

Sizes
- KF10 – KF50

Features
- Each assembly contains two identical flanges and a centering ring assembly and is clamped together with a thumbscrew clamp
- Coupling features prevent O-ring collapse and keep the assembly aligned
- KF flanges are compatible with other ISO-KF-QF vacuum flange manufacturers' components
- Material Test Reports (MTRs) available

Materials
- Fittings: 304 stainless steel standard (316L stainless steel optional)
- Clamps: aluminum
- O-ring: FKM

Specifications
- Maximum temperature: **302°F (150°C)**
- Helium leakage testing to $1x10^{-8}$ Torr
- Standards followed: ISO2681

Part Number Key

Example: DVF - A 10 G A

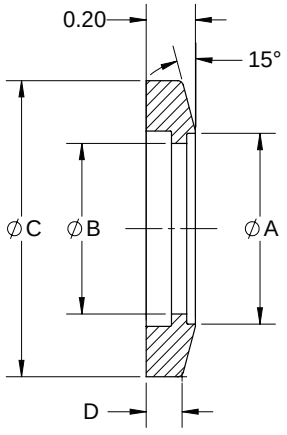
(KF10, 304 stainless steel bored flange)

Product Line	-	Series	Size	Material	Type
DVF		A – KF B – ISO C – Fitting	10 – KF10 16 – KF16 25 – KF25 40 – KF40 50 – KF50	G – 304 stainless steel R – 316L stainless steel[1] L – aluminum (clamp only)	A – KF bored flange
					B – KF blank flange
					C – KF short weld flange
					D – KF long weld flange
					E – KF centering ring assembly
					F – KF overpressure ring
					G – KF flex bellow
					H – KF clamp

[1] Minimum quantity requirements apply.

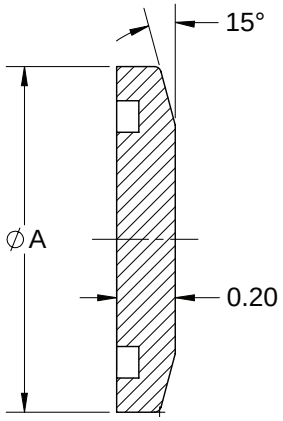
KF Bored Flanges

Flange Size	A (in)	B (in)	C (in)	D (in)	304 Stainless Steel Part #
KF10	0.51	0.45	1.18	0.12	DVF-A10GA
KF16	0.76	0.68		0.11	DVF-A16GA
KF25	1.01	0.94	1.58	0.13	DVF-A25GA
KF40	1.51	1.43	2.17	0.12	DVF-A40GA
KF50	2.01	1.94	2.95		DVF-A50GA



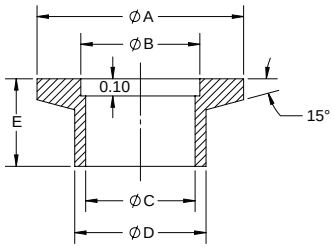
Vacuum Fittings

KF Blank Flanges



Flange Size	A (in)	304 Stainless Steel Part #
KF10	1.18	DVF-A10GB
KF16		DVF-A16GB
KF25	1.58	DVF-A25GB
KF40	2.17	DVF-A40GB
KF50	2.95	DVF-A50GB

KF Short Weld Flanges



Flange Size	A (in)	B (in)	C (in)	D (in)	E (in)	304 Stainless Steel Part #
KF10	1.18	0.48	0.37	0.50	0.50	DVF-A10GC
KF16		0.67	0.62	0.75		DVF-A16GC
KF25	1.58	1.03	0.87	1.00		DVF-A25GC
KF40	2.17	1.62	1.37	1.50	0.75	DVF-A40GC
KF50	2.95	2.05	1.87	2.00		DVF-A50GC

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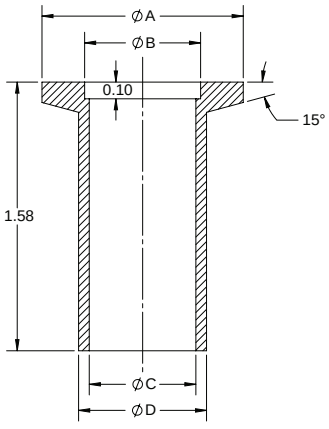
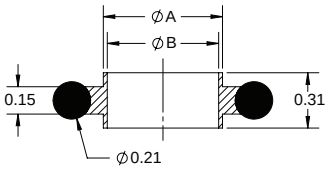
KF Long Weld Flanges



Flange Size	A (in)	B (in)	C (in)	D (in)	304 Stainless Steel Part #
KF10	1.18	0.48	0.37	0.50	DVF-A10GD
KF16		0.67	0.62	0.75	DVF-A16GD
KF25	1.58	1.03	0.87	1.00	DVF-A25GD
KF40	2.17	1.62	1.37	1.50	DVF-A40GD
KF50	2.95	2.05	1.87	2.00	DVF-A50GD

KF Centering Ring Assemblies

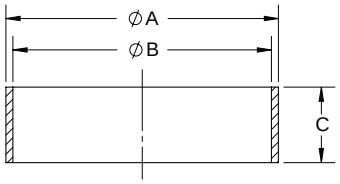


Flange Size	A (in)	B (in)	304 Stainless Steel with FKM O-ring Part #
KF10	0.48	0.44	DVF-A10GE
KF16	0.67	0.63	DVF-A16GE
KF25	1.02	0.98	DVF-A25GE
KF40	1.61	1.57	DVF-A40GE
KF50	2.05	1.97	DVF-A50GE

Vacuum Fittings

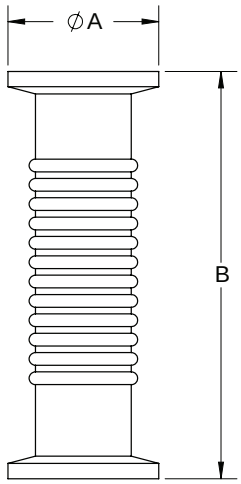
KF Overpressure Rings

Flange Size	A (in)	B (in)	C (in)	Max PSIG	304 Stainless Steel Part #
KF10	1.25	1.19	0.35	100	DVF-A1016GF
KF16					DVF-A1016GF
KF25	1.66	1.58			DVF-A25GF
KF40	2.26	2.18		75	DVF-A40GF
KF50	2.77	2.64	0.15	50	DVF-A50GF



KF Flex Bellows (Formed)

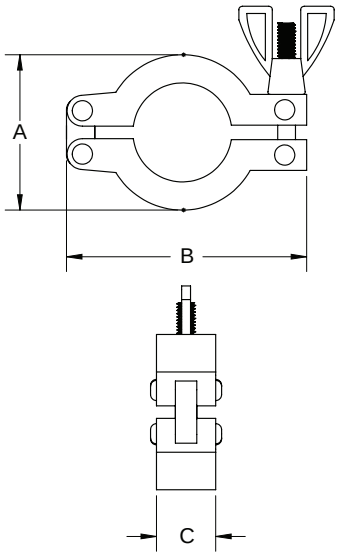
Flange Size	A (in)	B (in)	304 Stainless Steel Part #
KF10	1.18	3.20	DVF-A10GG
KF16			DVF-A16GG
KF25	1.58	4.20	DVF-A25GG
KF40	2.17		DVF-A40GG
KF50	2.95		DVF-A50GG



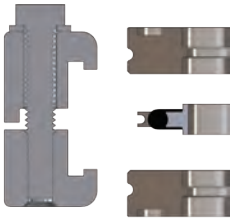
M

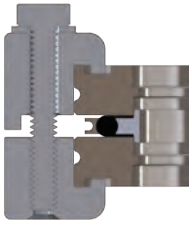
KF Clamps

Flange Size	A (in)	B (in)	C (in)	Aluminum Part #
KF10	1.69	2.39	0.63	DVF-A1016LH
KF16				DVF-A1016LH
KF25	2.14	2.80		DVF-A25LH
KF40	2.75	3.44		DVF-A40LH
KF50	3.50	4.25	0.71	DVF-A50LH



Vacuum Fittings





ISO Flanges and Fittings

Application
- Vacuum sealing for 2-1/2" to 10" O.D. tubing

Sizes
- ISO63 – ISO250

Features
- Each assembly contains two identical flanges and a centering ring assembly and is joined together by clamps
- Centering ring keeps the flanges in line and prevents the O-ring from being pushed in by atmospheric pressure
- Multiple clamps must be used to ensure a sturdy connection
- ISO fittings are compatible with other manufacturers' ISO-KF-QF vacuum flanges
- Material Test Reports (MTRs) available

Materials
- Fittings: 304 stainless steel standard (316L stainless steel optional)
- Clamps: aluminum
- O-ring: FKM

Specifications
- Maximum temperature: **302°F (150°C)**
- Helium leakage testing to $1x10^{-8}$ Torr
- Standards followed: ISO2681

Part Number Breakdown

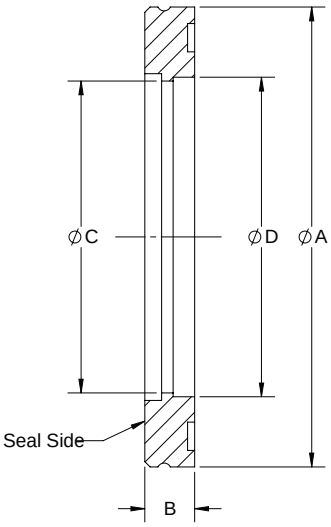
Example: DVF - B 63 G A

(ISO63, 304 stainless steel bored flange)

M

Product Line	-	Series	Size	Material	Type
DVF	-	A – KF B – ISO C – Fitting	63 – ISO63 80 – ISO80 100 – ISO100 160 – ISO160 200 – ISO200 250 – ISO250	G – 304 stainless steel R – 316L stainless steel[1] L – aluminum (clamp only)	A – ISO bored flange B – ISO blank flange E – ISO centering ring assembly G – ISO flexible bellow H – ISO double claw clamp

[1] Minimum quantity requirements apply.



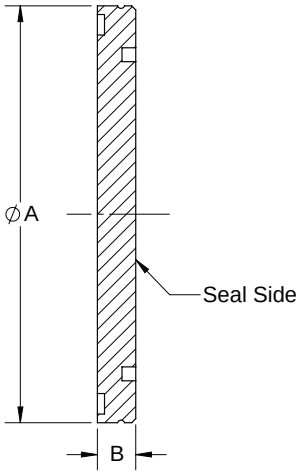
ISO Bored Flanges

Flange Size	A (in)	B (in)	C (in)	D (in)	304 Stainless Steel Part #
ISO63	3.74	0.47	2.44	2.51	DVF-B63GA
ISO80	4.33		2.94	3.01	DVF-B80GA
ISO100	5.12		3.91	4.02	DVF-B100GA
ISO160	7.09		5.87	6.03	DVF-B160GA
ISO200	9.45		7.87	8.03	DVF-B200GA
ISO250	11.42		9.88	10.02	DVF-B250GA

Vacuum Fittings

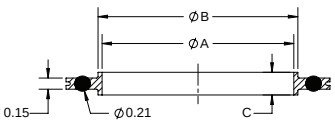
ISO Blank Flanges

Flange Size	A (in)	B (in)	304 Stainless Steel Part #
ISO63	3.74	0.47	DVF-B63GB
ISO80	4.33		DVF-B80GB
ISO100	5.12		DVF-B100GB
ISO160	7.09		DVF-B160GB
ISO200	9.45		DVF-B200GB
ISO250	11.42		DVF-B250GB



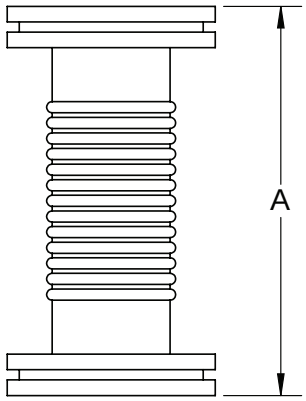
ISO Centering Rings Assemblies

Flange Size	A (in)	B (in)	C (in)	304 Stainless Steel Centering Ring FKM O-ring Aluminum Spacer Ring Part #
ISO63	2.63	2.74	0.31	DVF-B63GE
ISO80	3.14	3.25		DVF-B80GE
ISO100	3.89	4.00		DVF-B100GE
ISO160	5.90	6.01		DVF-B160GE
ISO200	8.26	8.37		DVF-B200GE



ISO Flexible Bellows (Formed)

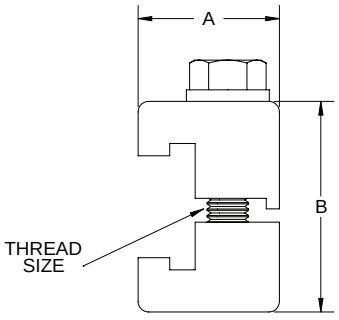
Flange Size	A (in)	Compressed Length (in)	304 Stainless Steel Part #
ISO63	7.00	6.00	DVF-B63GG
ISO80			DVF-B80GG
ISO100			DVF-B100GG
ISO160			DVF-B160GG
ISO200			DVF-B200GG
ISO250	13.50	10.50	DVF-B250GG



ISO Double Claw Clamps

Flange Size	A (in)	B (in)	Thread Size	Qty. of Clamps Required	Aluminum Part #
ISO63	0.94	1.96	5/16"-18	3 – 4	DVF-B63100LH
ISO80				4 – 8	DVF-B63100LH
ISO100					DVF-B63100LH
ISO160	1.10				DVF-B160250LH
ISO200				6 – 12	DVF-B160250LH
ISO250					DVF-B160250LH

NOTE: ISO clamps are sold in multiples of 4.



Vacuum Weld Fittings

Application
- Vacuum sealing weld fittings used in the semiconductor industry

Sizes
- 1/2" to 6"

Features
- Material Test Reports (MTRs) available
- Precision crafted to ensure a leak-free fit

Material
- Fittings: 304 stainless steel standard (316L stainless steel optional)

Specifications
- Helium leakage testing to $1x10^{-8}$ Torr
- Maximum temperature: **302°F (150°C)**
- Standards followed: ASTM A270, ASTM A269, and ASME SA270

Part Number Key

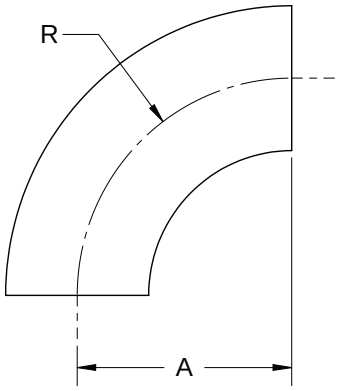
Example: DVF - C 050 G 1 Q

(1/2" 90° elbow, polished weld fitting, 304 stainless steel)

Product Line	-	Series	Size	Material	Finish	Type
DVF		A – KF B – ISO C – Fitting	050 – 1/2" 075 – 3/4" 100 – 1" 150 – 1-1/2" 200 – 2" 250 – 2-1/2" 300 – 3" 400 – 4" 600 – 6"	G – 304 stainless steel R – 316L stainless steel[1]	1 – polished 2 – bead blast[1]	Q – 90° elbow R – 90° elbow with tangents S – 45° elbow T – 45° elbow with tangents U – concentric reducer V – tee W – reducing tee

[1] Minimum quantity requirements apply.

Weld 90° Elbows

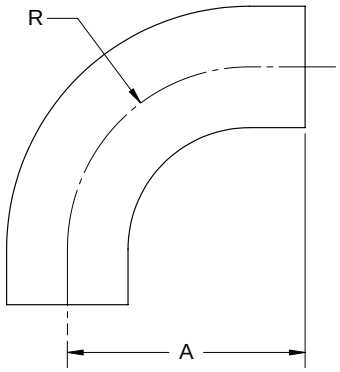


O.D.	A (in)	R (in)	304 Stainless Steel Part #
1/2"	0.75	0.75	DVF-C050G1Q
3/4"	1.00	1.00	DVF-C075G1Q
1"	1.50	1.50	DVF-C100G1Q
1-1/2"	2.25	2.25	DVF-C150G1Q
2"	3.00	3.00	DVF-C200G1Q
2-1/2"	3.75	3.75	DVF-C250G1Q
3"	4.50	4.50	DVF-C300G1Q
4"	6.00	6.00	DVF-C400G1Q
6"	9.00	9.00	DVF-C600G1Q

Vacuum Fittings

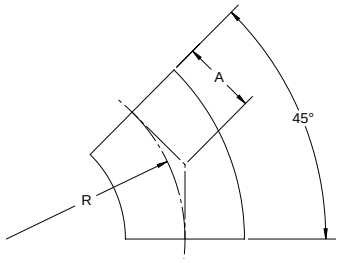
Weld 90° Elbows with Tangents

O.D.	A (in)	R (in)	304 Stainless Steel Part #
3/4"	1.42	1.00	DVF-C075G1R
1"	1.82	1.50	DVF-C100G1R
1-1/2"	2.94	2.25	DVF-C150G1R
2"	4.06	3.00	DVF-C200G1R
2-1/2"	5.19	3.75	DVF-C250G1R
3"	6.31	4.50	DVF-C300G1R
4"	8.31	6.00	DVF-C400G1R
6"	11.50	9.00	DVF-C600G1R



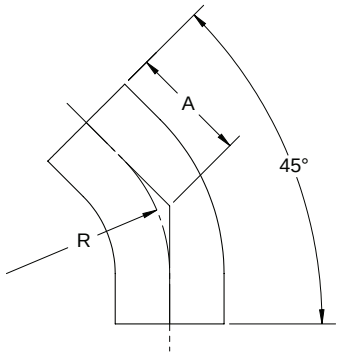
Weld 45° Elbows

O.D.	A (in)	R (in)	304 Stainless Steel Part #
1/2"	0.31	0.75	DVF-C050G1S
3/4"	0.41	1.00	DVF-C075G1S
1"	0.62	1.50	DVF-C100G1S
1-1/2"	0.93	2.25	DVF-C150G1S
2"	1.25	3.00	DVF-C200G1S
2-1/2"	1.53	3.75	DVF-C250G1S
3"	1.84	4.50	DVF-C300G1S
4"	2.50	6.00	DVF-C400G1S
6"	3.73	9.00	DVF-C600G1S



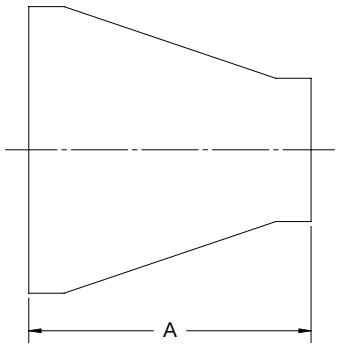
Weld 45° Elbows with Tangents

O.D.	A (in)	R (in)	304 Stainless Steel Part #
3/4"	0.76	1.00	DVF-C075G1T
1"	1.19	1.50	DVF-C100G1T
1-1/2"	1.63	2.25	DVF-C150G1T
2"	2.31	3.00	DVF-C200G1T
2-1/2"	3.00	3.75	DVF-C250G1T
3"	3.68	4.50	DVF-C300G1T
4"	4.81	6.00	DVF-C400G1T
6"	7.33	9.00	DVF-C600G1T



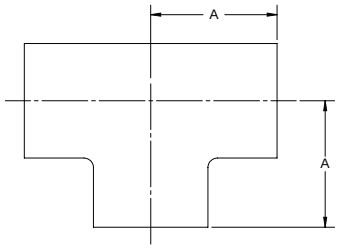
Vacuum Fittings

Concentric Reducers with Tangents



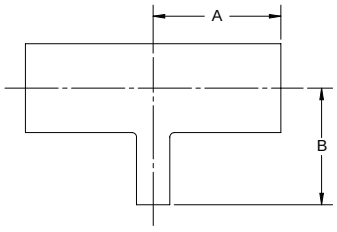
O.D.	A (in)	304 Stainless Steel Part #
1" x 3/4"	1.38	DVF-C100075G1U
1-1/2" x -3/4"	2.38	DVF-C150075G1U
1-1/2" x 1"		DVF-C150100G1U
2" x 1"		DVF-C200100G1U
2" x 1-1/2"		DVF-C200150G1U
2-1/2" x 1-1/2"		DVF-C250150G1U
2-1/2" x 2"		DVF-C250200G1U
3" x 1-1/2"	3.63	DVF-C300150G1U
3" x 2"		DVF-C300200G1U
3" x 2-1/2"		DVF-C300250G1U
4" x 2"		DVF-C400200G1U
4" x 2-1/2"		DVF-C400250G1U
4" x 3"		DVF-C400300G1U

Weld Tees



O.D.	A (in)	304 Stainless Steel Part #
1/2"	.75	DVF-C050G1V
3/4"	1.00	DVF-C075G1V
1"	1.88	DVF-C100G1V
1-1/2"	2.25	DVF-C150G1V
2"	3.00	DVF-C200G1V
2-1/2"	3.00	DVF-C250G1V
3"	3.25	DVF-C300G1V
4"	3.88	DVF-C400G1V
6"	5.00	DVF-C600G1V

Weld Reducing Tees



O.D.	A (in)	B (in)	304 Stainless Steel Part #
1" x 3/4"	1.88	2.13	DVF-C100075G1W
1-1/2" x 3/4"	2.25	2.25	DVF-C150075G1W
1-1/2" x 1"		2.38	DVF-C150100G1W
2" x 1"	3.00		DVF-C200100G1W
2" x 1-1/2"			DVF-C200150G1W
2-1/2" x 1-1/2"		2.50	DVF-C250150G1W
2-1/2" x 2"		2.75	DVF-C250200G1W
3" x 1-1/2"	3.25	3.25	DVF-C300150G1W
3" x 2"		3.00	DVF-C300200G1W
3" x 2-1/2"		3.25	DVF-C300250G1W
4" x 1-1/2"	3.88	3.50	DVF-C400150G1W
4" x 2"		4.00	DVF-C400200G1W
4" x 2-1/2"		3.75	DVF-C400250G1W
4" x 3"		3.75	DVF-C400300G1W
6" x 3"	5.00	4.75	DVF-C600300G1W
6" x 4"		4.88	DVF-C600400G1W

Vacuum Fittings

Material Test Reports – MTR

An MTR is a report that contains information about the raw materials, chemical properties, and mechanical properties of a part. Dixon Sanitary provides material test reports upon request. Here's how you can access them:

Each MTR will contain:

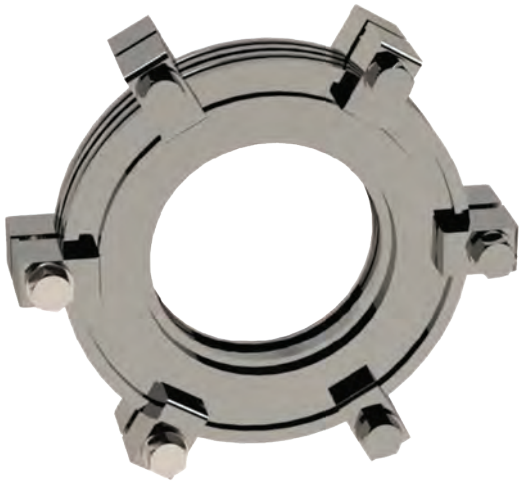
- Part number and part description
- Material and material standards
- Heat number
- Chemical properties
- Mechanical properties
- Job number

To retrieve an MTR by QR code:

1. Scan the QR code on the product packaging
2. Enter the job number (found on the product's packaging bag)
3. Review the MTR

To retrieve an MTR at dixonvalve.com:

1. Go to dixonvalve.com/knowledge-center/interactive-tools/mtr
2. Enter the job number (found on the product's packaging bag)
3. Review the MTR



Breakaway Couplings – Clamp

3-A 621
63-04

Application
- Minimizes damage associated with pull-away and drive-away incidents

Features
- Designed to be installed between a fixed point and a hose
- 13kN break load bolts standard; other break loads available
- Coupling breaks away with an excessive load
- Other sizes/connections available
- 3A certified for CIP

Materials
- 316 stainless steel polished to standard <32Ra, 3A finish
- Clamp gasket: EPDM standard, optional material available

Specification
- Working pressure: **350 PSI at 70°F (21°C)**

Size	316 Stainless Steel Part #
2"	SBC-E200CC13
3"	SBC-E300CC13

Breakaway Couplings – Bevel Seat

3-A 621
63-04

M

Application
- Minimizes damage associated with pull-away and drive-away incidents

Features
- Designed to be installed between a fixed point and a hose
- 13kN break load bolts standard; other break loads available
- Coupling breaks away with an excessive load
- Other sizes/connections available
- 3A certified for COP

Materials
- 316 stainless steel polished to standard <32Ra, 3A finish
- Clamp gasket: EPDM standard; optional material available

Specification
- Working pressure: **350 PSI at 70°F (21°C)**

Size	316 Stainless Steel Part #
2"	SBC-E200TP13
3"	SBC-E300TP13

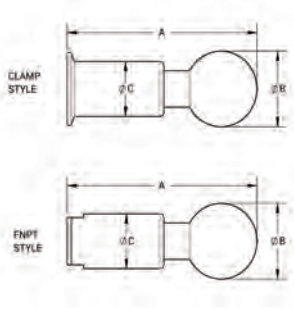
Spray Balls

Rotating – SRH

Application
- Ideal for cleaning all types of tanks and vessels

Features
- Stainless steel ball bearings
- Cleaning solution lubricates unit
- Mirror-like finish (O.D.)
- Spray pattern: 360°

Specification
- Available connections: clamp and NPT

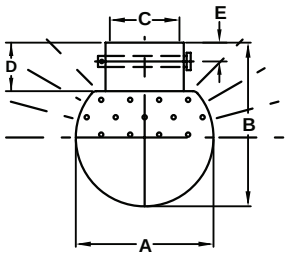


Size	Type	Dimensions			304 Stainless Steel Part #	316L Stainless Steel Part #
		A (in)	B (in)	C (in)		
3/4"	NPT	5.47	2.07	1.50	SRH360NPT-G075	---
1-1/2"	NPT	6.60	2.55	2.00	---	SRH360NPT-R150
	clamp	5.47	2.07	1.50	SRH360CMP-G150	SRH360CMP-R150

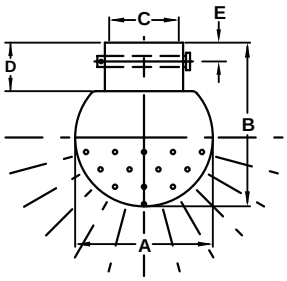
Stationary – STC

Application
- Typically used in food and beverage industries for cleaning storage tanks

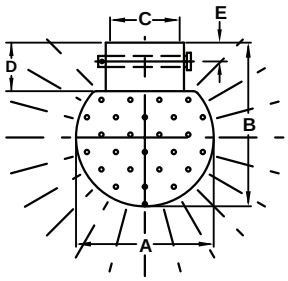
Features
- Heavy duty 316L stainless steel construction
- Stationary – designed to be mounted to a tube or pipe
- 2 mm spray holes
- Various spray patterns available (blanks available as special order)



180° Top Pattern



180° Bottom Pattern



360° Pattern

Size	Pin Length	Spray Pattern	Dimensions					Pin Diameter (in)	316L Stainless Steel Part #
			A (in)	B (in)	C (in)	D (in)	E (in)		
1"	1.47"	360°	2.50	3.04	1.005	0.975	.445	.226	STC-360-R100
1-1/2"	1.95"		2.95	3.55	1.505	1.050			STC-360-R150
1"	1.47"	180° bottom	3.54	2.95	1.005	0.975			STC-180B-R100
1-1/2"	1.95"				1.505				STC-180B-R150
1"	1.47"	180° top			1.005				STC-180T-R100
1-1/2"	1.95"				1.505				STC-180T-R150

Repair Kits

Feature
- Repair kit contains
  (1) pin
  (1) R clip

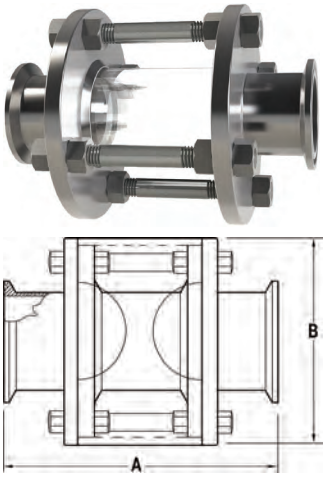
Size	Part #
1"	STC-RK100
1-1/2"	STC-RK150

Sight Glasses

Sizes
- 1" – 6" O.D. tube

Materials
- Body: 316L stainless steel
- Sight glass: borosilicate glass or polycarbonate
- Gaskets: white nitrile rubber, FKM, or EPDM
- 32Ra sanitary finish, I.D. and O.D.

In-line – B54BMP



Specifications
- Various end configurations are available: clamp, weld, bevel seat, John Perry, I-Line and Q-Line
- Maximum temperature: **200°F (93°C)**

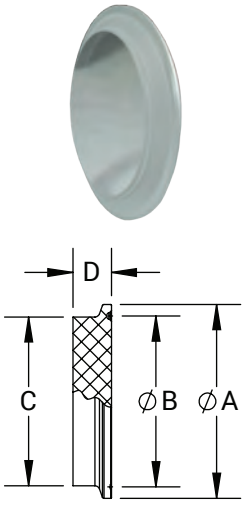
Tube O.D.	A (in)	B (in)	Working Pressure (PSI)	316L Stainless Steel Borosilicate Glass Part #	316L Stainless Steel Polycarbonate Part #
1"	5.62	3.25	**145**	B54BMP-R100	B54BMP-R100LX
1-1/2"		4.00		B54BMP-R150	B54BMP-R150LX
2"		4.25		B54BMP-R200	B54BMP-R200LX
2-1/2"	6.12	4.75	**120**	B54BMP-R250	B54BMP-R250LX
3"	7.25	5.50		B54BMP-R300	B54BMP-R300LX
4"	7.37	6.50	**95**	B54BMP-R400	B54BMP-R400LX
6"	7.62	9.50	**80**	B54BMP-R600	B54BMP-R600LX

Kits and Replacement Parts

Size	Nitrile Rubber Seal Kit Part #[1]	FKM Seal Kit Part #[2]	Borosilicate Glass Replacement Part #	Polycarbonate Replacement Part #
1"	B54BMP-SK100	B54BMP-VK100	B54G-P100	B54BMP-LX100
1-1/2"	B54BMP-SK150	B54BMP-VK150	B54G-P150	B54BMP-LX150
2"	B54BMP-SK200	B54BMP-VK200	B54G-P200	B54BMP-LX200
2-1/2"	B54BMP-SK250	B54BMP-VK250	B54G-P250	B54BMP-LX250
3"	B54BMP-SK300	B54BMP-VK300	B54G-P300	B54BMP-LX300
4"	B54BMP-SK400	B54BMP-VK400	B54G-P400	B54BMP-LX400
6"	B54BMP-SK600	B54BMP-VK600	B54G-P600	B54BMP-LX600

[1] Kit contains (2) black nitrile gaskets
[2] Kit contains (2) FKM gaskets

Acrylic Sight Glass End Caps – B5416MP



Feature
- For use with clamp connections

Specifications
- Maximum temperature: **150°F (66°C)**
- Maximum operating pressure: **100 PSI**

Tube O.D.	A (in)	B (in)	C (in)	D (in)	Acrylic Plastic Part #
1" – 1-1/2"	1.98	1.72	1.68	.50	B5416MP-A100150
2"	2.52	2.22	2.19		B5416MP-A200
2-1/2"	3.05	2.78	2.71		B5416MP-A250
3"	3.58	3.28	3.22		B5416MP-A300
4"	4.68	4.34	4.26		B5416MP-A400
6"	6.57	6.18	6.13		B5416MP-A600
8"	8.57	8.17	8.22		B5416MP-A800

B54BM-Series Compact Sight Glasses

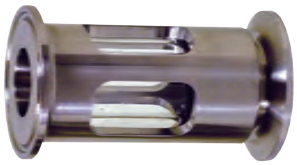
Application

- Used widely in the food, dairy, and beverage sanitary processes to view products and fluids

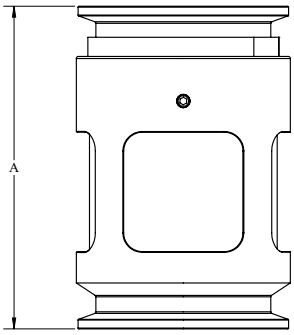
Features

- Compact design
- Clamp connections are standard
- Body screws together for quick disassembly to clean
- Nitrile rubber seals are standard

Size	Dimensions A (in)	Working Pressure PSI	316L Stainless Steel Borosilicate Glass Nitrile Gaskets Part #	316L Stainless Steel Polycarbonate Nitrile Gaskets Part #
1"	3.4	145	B54BMPS-R100	B54BMPLX-R100
1-1/2"	3.6		B54BMPS-R150	B54BMPLX-R150
2"	3.8		B54BMPS-R200	B54BMPLX-R200
3"	4.1	120	B54BMPS-R300	B54BMPLX-R300
4"	4.3	95	B54BMPS-R400	B54BMPLX-R400



Size	Dimensions A (in)	Working Pressure PSI	316L Stainless Steel Borosilicate Glass EPDM Gaskets Part #	316L Stainless Steel Polycarbonate EPDM Gaskets Part #
1"	3.4	145	B54BMPS-R100E	B54BMPLX-R100E
1-1/2"	3.6		B54BMPS-R150E	B54BMPLX-R150E
2"	3.8		B54BMPS-R200E	B54BMPLX-R200E
3"	4.1	120	B54BMPS-R300E	B54BMPLX-R300E
4"	4.3	95	B54BMPS-R400E	B54BMPLX-R400E



Size	Dimensions A (in)	Working Pressure PSI	316L Stainless Steel Borosilicate Glass FKM Gaskets Part #	316L Stainless Steel Polycarbonate FKM Gaskets Part #
1"	3.4	145	B54BMPS-R100V	B54BMPLX-R100V
1-1/2"	3.6		B54BMPS-R150V	B54BMPLX-R150V
2"	3.8		B54BMPS-R200V	B54BMPLX-R200V
3"	4.1	120	B54BMPS-R300V	B54BMPLX-R300V
4"	4.3	95	B54BMPS-R400V	B54BMPLX-R400V

M

Seal Kits

Size	Nitrile Rubber Seal Kit Part #	FKM Rubber Seal Kit Part #	EPDM Rubber Seal Kit Part #
1"	B54BMP-SK100	B54BMP-VK100	B54BMP-EK100
1-1/2"	B54BMP-SK150	B54BMP-VK150	B54BMP-EK150
2"	B54BMP-SK200	B54BMP-VK200	B54BMP-EK200
3"	B54BMP-SK300	B54BMP-VK300	B54BMP-EK300
4"	B54BMP-SK400	B54BMP-VK400	B54BMP-EK400

Replacement Inserts

Size	Polycarbonate Replacement Part #	Borosilicate Glass Replacement Part #
1"	B54BMPS-LX100	B54BMPS-GL100
1-1/2"	B54BMPS-LX150	B54BMPS-GL150
2"	B54BMPS-LX200	B54BMPS-GL200
3"	B54BMPS-LX300	B54BMPS-GL300
4"	B54BMPS-LX400	B54BMPS-GL400

3A 3685
65-01

single pin clamp

bolted clamp

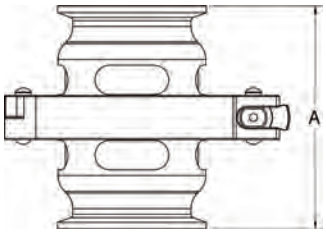
HSG-Series Hygienic Sight Glasses

Applications
- Used widely in the food, dairy, and beverage sanitary processes to view products and fluids
- Can be used in industrial applications when you want to CIP and require 316L stainless steel construction

Sizes
- 1/2" to 6"
  - single pin clamp: 1" to 6"; EPDM or FKM gasket
  - bolted clamp: 1/2" to 6"; PTFE gasket

Features
- 3A CIP certified
- Higher pressure range than other sight glasses
- Easy assembly and disassembly

Materials
- Body: 316L stainless steel
- Sight glass: polycarbonate
- Gaskets: PTFE, EPDM, or FKM
- Surface finish Ra ≤32



Tube O.D.	A (in)	PSI at 70°F (21°C)	PSI at 200°F (94°C)	316L Stainless Steel EPDM Seal Part #	316L Stainless Steel FKM Seal Part #	316L Stainless Steel PTFE Seal Part #
1/2"	3.80	500	300	---	---	HSGP050CCA
3/4"				---	---	HSGP075CCA
1"				HSGE100CCA	HSGV100CCA	HSGP100CCA
1-1/2"		450	250	HSGE150CCA	HSGV150CCA	HSGP150CCA
2"		400	200	HSGE200CCA	HSGV200CCA	HSGP200CCA
2-1/2"		350	175	HSGE250CCA	HSGV250CCA	HSGP250CCA
3"		250	125	HSGE300CCA	HSGV300CCA	HSGP300CCA
4"		80	40	HSGE400CCA	HSGV400CCA	HSGP400CCA
6"	6.00	50	25	HSGE600CCA	HSGV600CCA	HSGP600CCA

M

Seal Kits

Tube O.D.	EPDM Seal Kit Part #	FKM Seal Kit Part #	PTFE Seal Kit Part #
1/2"	---	---	HSG-RKP050
3/4"	---	---	HSG-RKP075
1"	HSG-RKE100	HSG-RKV100	HSG-RKP100
1-1/2"	HSG-RKE150	HSG-RKV150	HSG-RKP150
2"	HSG-RKE200	HSG-RKV200	HSG-RKP200
2-1/2"	HSG-RKE250	HSG-RKV250	HSG-RKP250
3"	HSG-RKE300	HSG-RKV300	HSG-RKP300
4"	HSG-RKE400	HSG-RKV400	HSG-RKP400
6"	HSG-RKE600	HSG-RKV600	HSG-RKP600

Replacement Polycarbonate Sight Inserts

Tube O.D.	Polycarbonate Part #
1/2"	HSG-POLY-050
3/4"	HSG-POLY-075
1"	HSG-POLY-100
1-1/2"	HSG-POLY-150
2"	HSG-POLY-200
2-1/2"	HSG-POLY-250
3"	HSG-POLY-300
4"	HSG-POLY-400
6"	HSG-POLY-600

SJSS-Series Sanitary Swivels

3A 621 63-03

Applications
- Used for smooth movement of flow plate connections
- Prevents kinking, twisting and stretching of hose lines

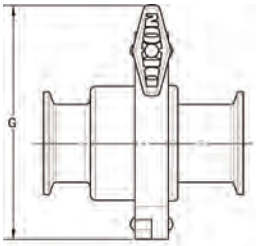
Sizes
- 1" – 4"

Features
- Dixon wingnut for better grip
- Available in a variety of styles – see below

Materials
- Body: 316L stainless steel
- Elastomers: silicone or EPDM

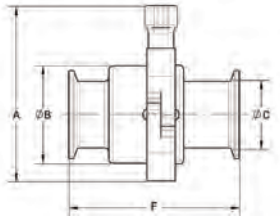
Approval
- 3A certified COP

Straight Clamp – Style 20

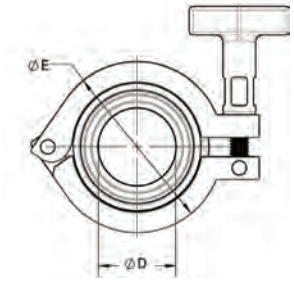


Size	Dimensions			Pressure Rating PSI at 70°F (21°C)	Pressure Rating PSI at 250°F (121°C)	Silicone Seals Part #	EPDM Seals Part #
	A (in)	B (in)	C (in)				
1"	2.42	3.87	1.00	500	300	SJSS100SCC120	SJSS100ECC120
1-1/2"	2.99		1.50			SJSS150SCC120	SJSS150ECC120
2"	3.48	3.84	2.00	450	250	SJSS200SCC120	SJSS200ECC120
2-1/2"	3.98		2.50	400	200	SJSS250SCC120	SJSS250ECC120
3"	5.08		3.00	350	175	SJSS300SCC120	SJSS300ECC120
4"	7.03	4.97	4.00	300	150	SJSS400SCC120	SJSS400ECC120

Straight Weld Connection – Style 20

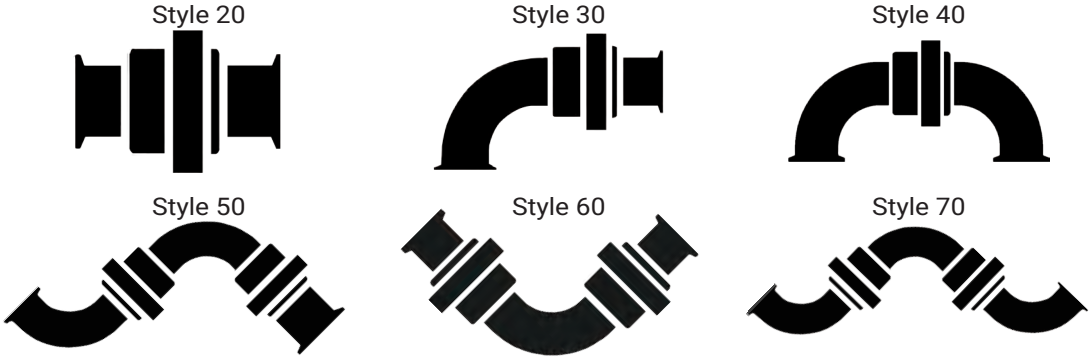


Size	Dimensions			Pressure Rating PSI at 70°F (21°C)	Pressure Rating PSI at 250°F (121°C)	Silicone Seals Part #	EPDM Seals Part #
	A (in)	B (in)	C (in)				
1"	2.42	2.24	1.00	500	300	SJSS100SBB120	SJSS100EBB120
1-1/2"	2.99		1.50			SJSS150SBB120	SJSS150EBB120
2"	3.48	2.22	2.00	450	250	SJSS200SBB120	SJSS200EBB120
2-1/2"	3.98		2.50	400	200	SJSS250SBB120	SJSS250EBB120
3"	5.08	2.21	3.00	350	175	SJSS300SBB120	SJSS300EBB120
4"	7.03	3.22	4.00	300	150	SJSS400SBB120	SJSS400EBB120



M

SJSS-Series Repair Kits



Size	Contains	Silicone Part #	EPDM Part #
1"	(1x) inner body gasket (1x) outer body gasket (1x) upper body seat (1x) lower body washer (1x) inner body bushing – only on 4"	SJSS-REPAR-S100	SJSS-REPAR-E100
1-1/2"		SJSS-REPAR-S150	SJSS-REPAR-E150
2"		SJSS-REPAR-S200	SJSS-REPAR-E200
2-1/2"		SJSS-REPAR-S250	SJSS-REPAR-E250
3"		SJSS-REPAR-S300	SJSS-REPAR-E300
4"		SJSS-REPAR-S400	SJSS-REPAR-E400

FH-SC-Series Sanitary Cartridge Filter Element Housings

Sizes

- Port connections: 1" to 4"
- Number of elements: 1, 3, 5, 7, 12, and 21
- Cartridge element lengths: 10", 20", 30", and 40"

Features

- Single-cartridge element housings utilize a heavy-duty stainless steel clamp closure for ease of element changes
- Multiple cartridge element housings feature a swing bolt closure to ensure positive sealing and removable bottom plate providing access for cleaning
- Robust construction ensures dependable protection for critical process applications
- Custom OEM designs available
- Large variety of cartridge elements available to meet your application needs

Materials

- Product contact: 316L stainless steel
- Non-contact: 304 stainless steel
- 32Ra, O.D. polish; 25Ra I.D. polish
- Silicone O-ring seals standard; FKM and EPDM optional

Specifications

- **150 PSI** working pressure at **300°F (149°C)**
- 1-1/2" clamp vent/gauge connection standard
- 1/2" clamp drain connection standard
- 222 or 226 cartridge elements
- Clamp connections standard; for optional connections call Dixon Sanitary at 800.789.1718.

# of Elements	Element Length (in)	Element Type	Connection Size (in)	Connections Type	Seal Material	Part #
1	10	222	1	clamp	silicone	FH-SC110A10CS
	20			clamp	silicone	FH-SC120A10CS
	30			clamp	silicone	FH-SC130A10CS
3			2	clamp	silicone	FH-SC330A20CS
5				clamp	silicone	FH-SC530A20CS
7				clamp	silicone	FH-SC730A20CS
12			3	clamp	silicone	FH-SC1230A30CS
1	10	226	1	clamp	silicone	FH-SC110B10CS
	20			clamp	silicone	FH-SC120B10CS
	30			clamp	silicone	FH-SC130B10CS
3			2	clamp	silicone	FH-SC330B20CS
5				clamp	silicone	FH-SC530B20CS
7				clamp	silicone	FH-SC730B20CS
12			3	clamp	silicone	FH-SC1230B30CS

NOTE: Filter elements are not included with the filter housings and must be ordered separately.

DF-MB-Series Melt Blown Cartridge Filters

Sizes
- Diameters: 2-1/2" (standard) to 4-1/2"
- Cartridge element lengths: 9-3/4" to 50"

Features
- Made in the USA
- FDA title 21 compliant
- No glue or binders
- Low pressure drop
- 4-zone technology within cartridge allows for high dirt loading
- Available in industry standard end connections
- Multiple efficiency options available
  - Pro – 90% (standard)
  - Deluxe – 95%
  - Elite – 99%
  - RO – reverse osmosis applications
- Most combinations are WQA tested and certified to:
  - NSF/ANSI 372
  - NSF/ANSI 61
  - CSA B483.1
  - NSF/ANSI 42 – Component

Materials
- Cartridge element: polypropylene
- Gasket/O-ring: nitrile rubber, FKM, PTFE, silicone, neoprene, EPDM, and polyfoam; no selection required for double open-ended (DOE) cartridge elements

Specifications
- Maximum differential pressure: **40 PSID (2.7 bar)** at **155°F (68°C); 60 PSID (4.1 bar)** at **86°F (30°C)**
- Recommended change out differential pressure:
  – with core **35 PSID (2.4 bar)**
  – without core **20 PSID (1.3 bar)**
- Micron ratings: 1, 5,10, 20, 25, 30, 75, and 100
- Sold in standard case quantities only
  – 10" and under are 30 pcs/case
  – 19-1/2" thru 30" are 15 pcs/case
  – 39" and above are determined at time of quote
  – Custom lengths are determined at time of quote

M

Micron	Element Length (in)	End Cap	Gasket	Part #
1	10	222/Fin	silicone	DF-MBS1C2E2S
	20			DF-MBS1E2E2S
	30			DF-MBS1G2E2S
5	10			DF-MBS5C2E2S
	20			DF-MBS5E2E2S
	30			DF-MBS5G2E2S
25	10			DF-MBS25C2E2S
	20			DF-MBS25E232S
	30			DF-MBS25G2E2S
50	10			DF-MBS50C2E2S
	20			DF-MBS50E2E2S
	30			DF-MBS50G2E2S
1	10	226/Fin		DF-MBS1C2E6S
	20			DF-MBS1E2E6S
	30			DF-MBS1G2E6S
5	10			DF-MBS5C2E6S
	20			DF-MBS5E2E6S
	30			DF-MBS5G2E6S
25	10			DF-MBS25C2E6S
	20			DF-MBS25E2E6S
	30			DF-MBS25G2E6S
50	10			DF-MBS50C2E6S
	20			DF-MBS50E2E6S
	30			DF-MBS50G2E6S

NOTE: Part numbers reflect 2-1/2" diameter, Efficiency Pro, with polypropylene core. For other options, please contact Dixon Sanitary at 800.789.1718.

DF-PES-Series Cartridge Filters

Sizes
- Diameters: 2.65" O.D.; 1" center I.D.
- Cartridge element lengths: 10” to 40”

Features
- FDA title 21 compliant
- Cartridge elements are constructed in a clean room environment
- Cartridge elements have excellent dirt holding capacity with low flow resistance
- Cartridge elements are free of surfactants, resins, binders, and adhesives
- Low protein binding and chemical compatibility
- Naturally hydrophilic media does not need wetting before use

Materials
- Cartridge element: polyethersulfone
- Core material: polypropylene
- Gasket/O-ring: nitrile rubber, FKM, PTFE, silicone, neoprene, and EPDM

Specifications
- Maximum differential pressure: **45 PSID** (3.1 bar)
- Maximum operating pressure: **45 PSID** (3.1 bar)
- Maximum operating temperature: **175°F (80°C)**
- Micron ratings: .1, .22, .45, .60, .80, 1.2, and 5.0
- Sold in standard case quantities only, all sizes are 6 pcs/case

M

Micron	Element Length (in)	End Cap	Gasket	Part #
0.22	10	222/Fin	silicone	DF-PES.22CE2S
	20			DF-PES.22EE2S
	30			DF-PES.22GE2S
0.45	10			DF-PES.45CE2S
	20			DF-PES.45EE2S
	30			DF-PES.45GE2S
0.22	10	226/Fin		DF-PES.22CE6S
	20			DF-PES.22EE6S
	30			DF-PES.22GE6S
0.45	10			DF-PES.45CE6S
	20			DF-PES.45EE6S
	30			DF-PES.45GE6S

NOTE: Part numbers reflect 2.65" diameter with polypropylene core. For other options, please contact Dixon Sanitary at 800.789.1718.

DF-PHE-Series Pleated High-Efficiency Cartridge Filters

Sizes
- Diameters: 2.65"
- Cartridge element lengths: 9-3/4" to 40"

Features
- FDA title 21 compliant
- Cartridge elements are constructed in a clean room environment
- Cartridge elements are free of surfactants, resins, binders, and adhesives

Materials
- Cartridge element: polypropylene
- Gasket/O-ring: nitrile rubber, FKM, PTFE, silicone, neoprene, and EPDM

Specifications
- Maximum operating pressure: **35 PSID** (2.4 bar)
- Recommended change out differential pressure: **35 PSID** (2.4 bar)
- Maximum operating temperature: **180°F (82°C)**
- Retention rating of 99.98%
- Micron ratings: .2, .45, 1, 3, 5,10, 25, and 50
- Available in hard cage (standard) or netted cage
- Sold in standard case quantities only, all sizes are 6 pcs/case
- Surface area: up to 5.5 ft squared of effective filtration area per 10", dependent upon micron rating

Micron	Element Length (in)	End Cap	Gasket	Part #
0.22	10	222/Fin	silicone	DF-PHB.22C1E2S
	20			DF-PHB.22E1E2S
	30			DF-PHB.22G1E2S
0.45	10			DF-PHB.45C1E2S
	20			DF-PHB.45E1E2S
	30			DF-PHB.45G1E2S
1	10			DF-PHB1C1E2S
	20			DF-PHB1E1E2S
	30			DF-PHB1G1E2S
5	10			DF-PHB5C1E2S
	20			DF-PHB5E1E2S
	30			DF-PHB5G1E2S
0.22	10	226/Fin		DF-PHB.22C1E6S
	20			DF-PHB.22E1E6S
	30			DF-PHB.22G1E6S
0.45	10			DF-PHB.45C1E6S
	20			DF-PHB.45E1E6S
	30			DF-PHB.45G1E6S
1	10			DF-PHB1C1E6S
	20			DF-PHB1E1E6S
	30			DF-PHB1G1E6S
5	10			DF-PHB5C1E6S
	20			DF-PHB5E1E6S
	30			DF-PHB5G1E6S

M

NOTE: Part numbers reflect 99.98% efficiency with hard cage and polypropylene core. For other options, please contact Dixon Sanitary at 800.789.1718.

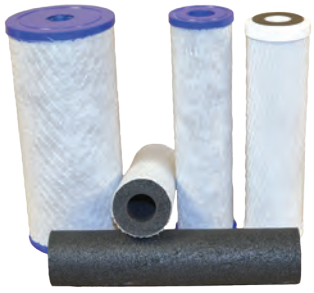
DF-CB-Series Carbon Block Cartridge Filters

Sizes
- Diameters: 1.1" I.D., 2-1/2" and 4-1/2" O.D.
- Lengths: 9-3/4" to 40"

Features
- Made in the USA
- FDA title 21 compliant
- One-piece carbon block construction reduces bypassing
- No GAC by-pass or fluidizing
- Consistent density for controlled flow rates and pressure loss
- Reduce foul odors, chlorine taste and, particulate matter
- Proprietary carbon blend formula

Materials
- Cartridge element: Extruded coconut carbon construction
- End caps: polypropylene and plastisol
- Gasket/O-ring: nitrile rubber, FKM, PTFE, silicone, neoprene, and EPDM
- Cover: polypropylene

Specifications
- Micron ratings: 1, 3, 5, and 10
- Recommended differential pressure up to **5 PSID (0.3 bar)**
- Maximum operating temperature: **40°F** to **125°F (4°C** to **52°C)**
- Chlorine and odor reduction capacity at flow: > 6,100 gallons at **1 GPM** based on manufacturer's internal testing
- Internal differential pressure at flow: **< 3 PSID** at **1 GPM** based on manufacturer's internal testing
- Sold in standard case quantities only
  - 10" are 30 pcs/case
  - 20" and above are 15 pcs/case



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Element Length (in)	Micron Rating	Part #
10	1	DF-CB1C11B
	3	DF-CB3C11B
	5	DF-CB5C11B
	10	DF-CB10C11B
20	1	DF-CB1E11B
	3	DF-CB3E11B
	5	DF-CB5E11B
	10	DF-CB10E11B
30	1	DF-CB1G11B
	3	DF-CB3G11B
	5	DF-CB5G11B
	10	DF-CB10G11B
40	1	DF-CB1I11B
	3	DF-CB3I11B
	5	DF-CB5I11B
	10	DF-CB10I11B

NOTE: Part numbers reflect 2-1/2" diameter, DOE (plastisol ends), and nitrile rubber gaskets. For other options, please contact Dixon Sanitary at 800.789.1718.

Strainers

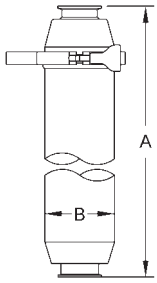
In-line – BSCCQ

3A 1446 10-04

Feature
- Bevel seat, I-line, and weld ends available, call Dixon Sanitary at 800.789.1718 for information

Approval
- Must be vertically mounted to be 3A compliant

short



Short

Size	Dimensions (in)		316L Stainless Steel 1/4" Perforations Part #	316L Stainless Steel 1/8" Perforations Part #
	A	B		
1"	15.75	4.00	BSCCQ1-R100	BSCCQ1-R10018
1-1/2"			BSCCQ1-R150	BSCCQ1-R15018
2"			BSCCQ1-R200	BSCCQ1-R20018
2-1/2"		4.50	BSCCS1-R250	BSCCQ1-R25018
3"			BSCCS1-R300	BSCCQ1-R30018

Long

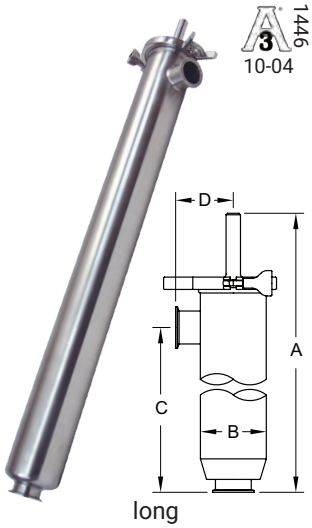
Size	Dimensions (in)		316L Stainless Steel 1/4" Perforations Part #	316L Stainless Steel 1/8" Perforations Part #
	A	B		
1-1/2"	35.375	4.00	BSCCQ2-R150	BSCCQ2-R15018
2"			BSCCQ2-R200	BSCCQ2-R20018
3"		4.50	BSCCS2-R300	BSCCQ2-R30018

Side-Entry – BSCCQ

3A 1446 10-04

Features
- Can be serviced in-line
- Bevel seat, I-line, and weld ends available; call Dixon Sanitary at 800.789.1718 for information

Approval
- Must be vertically mounted to be 3A compliant



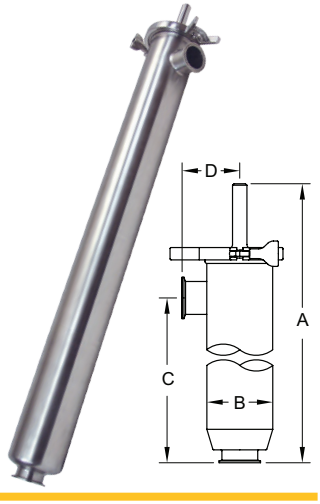
long

Size	Dimensions (in)				316L Stainless Steel 1/4" Perforations Part #	316L Stainless Steel 1/8" Perforations Part #
	A	B	C	D		
1-1/2"	41.90	4.00	35.00	3.50	BSCCQ3-R150	BSCCQ3-R15018
2"					BSCCQ3-R200	BSCCQ3-R20018
3"		4.50		3.75	BSCCQ3-R300	BSCCQ3-R30018

Side-Outlet – BSCCQ

Features
- Bevel seat, I-line and weld ends available, call Dixon for information
- Can be serviced in-line

Approval
- Must be vertically mounted to be 3A compliant



Size	Dimensions (in)				316L Stainless Steel 1/4" Perforations Part #	316L Stainless Steel 1/8" Perforations Part #
	A	B	C	D		
1-1/2"	41.90	4.00	35.00	3.50	BSCCQ4-R150	BSCCQ4-R15018
2"					BSCCQ4-R200	BSCCQ4-R20018
3"		4.50		3.75	BSCCQ4-R300	BSCCQ4-R30018

Strainers

Filters

Features

- Filter mediums are special order and minimum quantities apply; not included with base unit
- Filters require retaining ring

Short

Size	Micron Rating	Description	Part #
1" – 2"	38	nonwoven rayon (glued seam)	BF30A-100-200
2-1/2" – 3"			BF30A-250-300
1" – 2"	513	woven knapped cotton flannel	BF30B-100-200
2-1/2" – 3"			BF30B-250-300
1" – 2"	300	cheese cloth, single thickness cotton	BF30C-100-200
2-1/2" – 3"			BF30C-250-300
1" – 2"	765	nylon, 26/29 mesh, rectangular opening, (.025" x .030")	BF30D-100-200
2-1/2" – 3"			BF30D-250-300
1" – 2"	40-42	nonwoven rayon	BF30E-100-200
2-1/2" – 3"			BF30E-250-300
1" – 2"	420	woven nylon, 40 mesh	BF30G-100-200
2-1/2" – 3"			BF30G-250-300

Long

Size	Micron Rating	Description	Part #
1" – 2"	40-42	nonwoven rayon	BF302E-100-200
2-1/2" – 3"			BF302E-250-300
2-1/2" – 3"	420	woven nylon, 40 mesh	BF302G-250-300

316 Stainless Wire Cloth Mesh Over Screens

Features

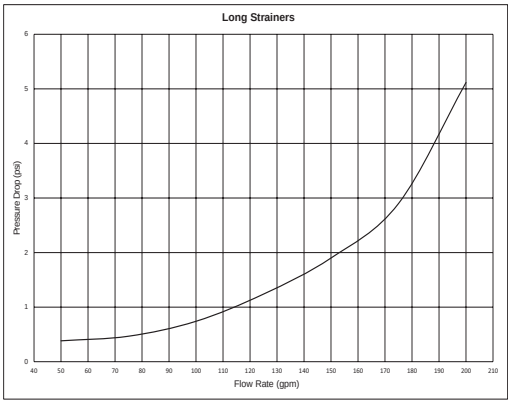
- Not for 3A applications
- Not included with base unit
- Additional sizes are available (five piece minimum); call Dixon Sanitary at 800.789.1718

Size	Micron Rating	Square Mesh	Space Between Wires	Percent of Open Area	Short Part #	Long Part #
1" – 2"	864	20	0.034"	46.2	BS20-100-200	BS202-100-200
2-1/2" – 3"					BS20-250-300	BS202-250-300
1" – 2"	381	40	0.015"	36.0	BS40-100-200	BS402-100-200
2-1/2" – 3"					BS40-250-300	BS402-250-300
1" – 2"	229	60	0.009"	30.3	BS60-100-200	BS602-100-200
2-1/2" – 3"					BS60-250-300	BS602-250-300
1" – 2"	178	80	0.007"	31.4	BS80-100-200	BS802-100-200
2-1/2" – 3"					BS80-250-300	BS802-250-300
1" – 2"	140	100	0.006"	30.3	BS100-100-200	BS1002-100-200
2-1/2" – 3"					BS100-250-300	BS1002-250-300

Pressure Drop Curves for Filter and Strainer

Specifications

- Water at ambient temperature:
  - Maximum flow for short units is **125 GPM**
  - Maximum flow for long units is **175 GPM**



3A 1655 53-07

DX60-Series Hygienic Tanker Valves

Applications
• Used on food-grade stainless steel bulk transport trailers to safely and hygienically load and unload various products including milk, juices, chocolate, glycerin, and many types of food-grade oils

Lanyard style dust cover nut

Sizes
• 3", 6" x 3", 6" x 4", 6" x 6" (other sizes available upon request)

Features
• New: Drop-in replacement for other 60TTF valves on the market
• Valve housing machined from solid bar
• Hygienic single-acting wiper seal improves cleanability and durability
• Easy-lock plunger for locking valve in open position with no external clips needed
• Patented closure system to eliminate the pinch point
• Bonnet design uses standard sanitary clamp for easy removal

Materials
• Product contact material: 304 stainless steel
• Product contact seals: 3A and FDA grade FKM or nitrile rubber
• Cover: aluminum

Specifications
• Holding pressure: **75 PSI**
• Surface I.D. finish: <32Ra
• Connections: flange x male threaded bevel and Triclamp x male threaded bevel
• Temperature range: **-20°F** to **212°F** (**-28.9°C** to **100°C**)

Approval
• 3A-Authorization Number 1655, 53-07 (Compression-Type Valves) for CIP and COP

5/8 UNC threaded post and nut

Size	Connections	Cover Style	Freeze Rod	Material	Part #
3"	150# flange x male threaded bevel seat	With aluminum cover (lanyard style dust cover nut)	with freeze rod	304, nitrile rubber	DX603010A1GB1R
				304, FKM	DX603010A1GV1R
			without freeze rod	304, nitrile rubber	DX603010A1GB1
				304, FKM	DX603010A1GV1
		With aluminum cover (5/8 UNC threaded post and nut)	with freeze rod	304, nitrile rubber	DX603010A1GB3R
				304, FKM	DX603010A1GV3R
			without freeze rod	304, nitrile rubber	DX603010A1GB3
				304, FKM	DX603010A1GV3
		Without aluminum cover	with freeze rod	304, FKM	DX603010A1GV2R
				304, nitrile rubber	DX603010A2GB2R
			without freeze rod	304, nitrile rubber	DX603010A1GB2
				304, FKM	DX603010A1GV2
6" x 3"	threaded bevel seat	Without aluminum cover	without freeze rod	304, FKM	DX6063N10A1GV2
6" x 6"	6" ferrule x 6" 90° outlet ferrule	Without aluminum cover	without freeze rod	304, FKM	DX606010A3GV2

optional plunger with freeze rod
DX603010A1GV1R

For other configurations, contact Dixon® Sanitary at 800.789.1718

M

BV2-Series – 2 Way, 3-Piece Sanitary Ball Valve

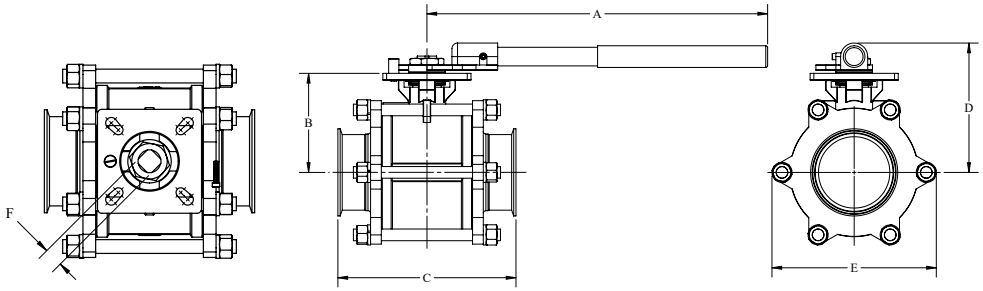
Features
- Live-loaded stem packing
- Precision stainless steel balls reduce torque and friction losses while extending seat life
- Integral ISO 5211 mounting pad
- I.D. polish is 32 Ra maximum
- Lockable handle can prevent accidental actuation
- Standard internal entry blowout-proof stem design
- Full port design matches ball and seat ports to tube I.D. for lower pressure drop and less turbulent flow
- Compact design for areas with tight space restrictions
- Identification tagging available
- Balanced construction minimizes cold flow

Materials
- Product contact material: CF8M stainless steel
- Seats: virgin PTFE, 15% glass reinforced PTFE (RTFE), 25% carbon reinforced PTFE, 50% stainless steel reinforced PTFE, and UHMW

Specifications
- Maximum pressure rating: 1/2" to 2" **1000 PSI WOG**, 2-1/2" to 4" **800 PSI WOG**
- For valve seat options, call Dixon® Sanitary at 800.789.1718

1/2" to 2"

2-1/2" to 4"



Size	Dimensions					
	A (in)	B (in)	C (in)	D (in)	E (in)	F (mm)
1/2"	4.9	1.5	4.3	3.0	1.9	9
3/4"		1.8	4.7	3.3	2.2	
1"	5.6	2.1	4.9	3.6	2.4	11
1-1/2"	9.5	2.7	5.6	4.0	3.1	14
2"		3.1	6.4	4.8	3.7	
2-1/2"	18.0	3.8	7.8	5.2	4.8	17
3"		4.2	9.0	5.7	5.4	
4"		5.3	9.5	6.8	8.8	22

Size	Non-Encapsulated				
	316 Stainless Steel Virgin PTFE Part #	316 Stainless Steel RTFE Part #	316 Stainless Steel 25% Carbon PTFE Part #	316 Stainless Steel 50% SS PTFE Part #	316 Stainless Steel with UHMW Part #
1/2"	BV2NV-050CC-A	BV2NG-050CC-A	BV2NC-050CC-A	BV2NS-050CC-A	BV2NU-050CC-A
3/4"	BV2NV-075CC-A	BV2NG-075CC-A	BV2NC-075CC-A	BV2NS-075CC-A	BV2NU-075CC-A
1"	BV2NV-100CC-A	BV2NG-100CC-A	BV2NC-100CC-A	BV2NS-100CC-A	BV2NU-100CC-A
1-1/2"	BV2NV-150CC-A	BV2NG-150CC-A	BV2NC-150CC-A	BV2NS-150CC-A	BV2NU-150CC-A
2"	BV2NV-200CC-A	BV2NG-200CC-A	BV2NC-200CC-A	BV2NS-200CC-A	BV2NU-200CC-A
2-1/2"	BV2NV-250CC-A	BV2NG-250CC-A	BV2NC-250CC-A	BV2NS-250CC-A	BV2NU-250CC-A
3"	BV2NV-300CC-A	BV2NG-300CC-A	BV2NC-300CC-A	BV2NS-300CC-A	BV2NU-300CC-A
4"	BV2NV-400CC-A	BV2NG-400CC-A	BV2NC-400CC-A	BV2NS-400CC-A	BV2NU-400CC-A

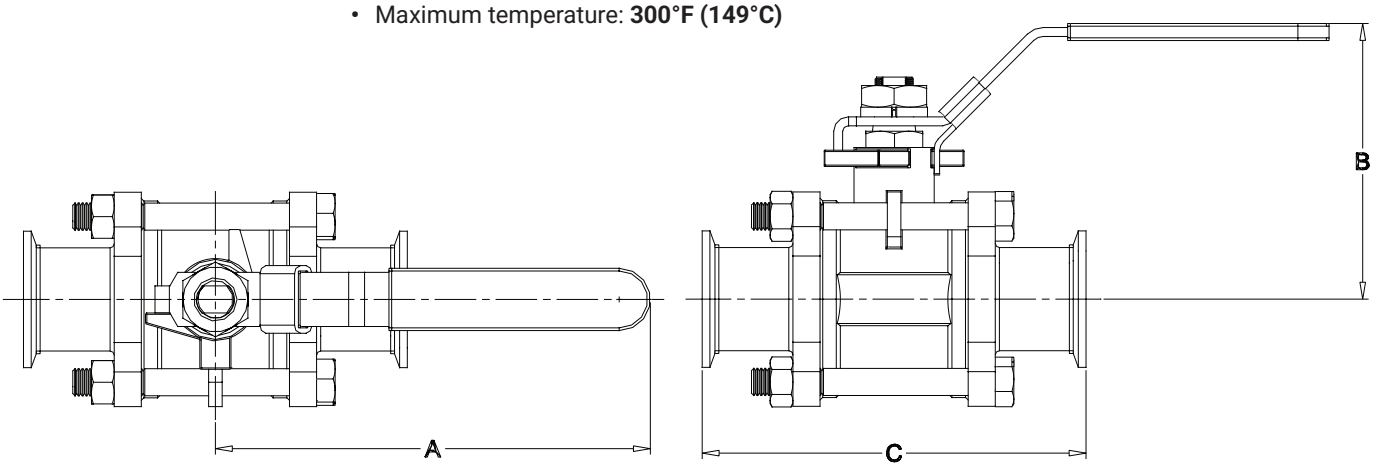
Size	Encapsulated				
	316 Stainless Steel Virgin PTFE Part #	316 Stainless Steel RTFE Part #	316 Stainless Steel 25% Carbon PTFE Part #	316 Stainless Steel 50% SS PTFE Part #	316 Stainless Steel with UHMW Part #
1/2"	BV2CV-050CC-A	BV2CG-050CC-A	BV2CC-050CC-A	BV2CS-050CC-A	BV2CU-050CC-A
3/4"	BV2CV-075CC-A	BV2CG-075CC-A	BV2CC-075CC-A	BV2CS-075CC-A	BV2CU-075CC-A
1"	BV2CV-100CC-A	BV2CG-100CC-A	BV2CC-100CC-A	BV2CS-100CC-A	BV2CU-100CC-A
1-1/2"	BV2CV-150CC-A	BV2CG-150CC-A	BV2CC-150CC-A	BV2CS-150CC-A	BV2CU-150CC-A
2"	BV2CV-200CC-A	BV2CG-200CC-A	BV2CC-200CC-A	BV2CS-200CC-A	BV2CU-200CC-A
2-1/2"	BV2CV-250CC-A	BV2CG-250CC-A	BV2CC-250CC-A	BV2CS-250CC-A	BV2CU-250CC-A
3"	BV2CV-300CC-A	BV2CG-300CC-A	BV2CC-300CC-A	BV2CS-300CC-A	BV2CU-300CC-A
4"	BV2CV-400CC-A	BV2CG-400CC-A	BV2CC-400CC-A	BV2CS-400CC-A	BV2CU-400CC-A

BV2G-Series – Non-Encapsulated 2-Way, 3-Piece Sanitary Ball Valve

Features
- Blowout-proof stem
- Live-loaded stem packing
- I.D. polish is 32 Ra maximum
- Lockable handle
- No ISO 5211 mounting pad

Materials
- Product contact material: CF8M stainless steel
- Seats: 15% glass reinforced PTFE (RTFE)

Specifications
- Maximum pressure rating: 1/2" to 2" **1000 PSI WOG**, 2-1/2" to 4" **800 PSI WOG**
- Maximum temperature: **300°F (149°C)**



Size	Dimensions			316 Stainless Steel Part #
	A (in)	B (in)	C (in)	
1/2"	4.1	2.3	4.6	BV2GG-050CC-A
3/4"	4.1	2.5	4.7	BV2GG-075CC-A
1"	5.0	2.8	4.9	BV2GG-100CC-A
1-1/2"	6.1	3.5	5.6	BV2GG-150CC-A
2"	7.6	3.9	6.4	BV2GG-200CC-A
2-1/2"	7.6	4.4	7.8	BV2GG-250CC-A
3"	10.9	4.9	9.0	BV2GG-300CC-A
4"	13.2	6.6	9.6	BV2GG-400CC-A

Size	RTFE Repair Kit Part #
1/2"	BV-2G-GK050
3/4"	BV-2G-GK075
1"	BV-2G-GK100
1-1/2"	BV-2G-GK150
2"	BV-2G-GK200
2-1/2"	BV-2G-GK250
3"	BV-2G-GK300
4"	BV-2G-GK400

NOTE: Repair kit contains (2) seats, (2) body seals, (1) thrust washer, and (3) stem packing
Dimensions are approximate. Engineering dimensions are available upon request. Specifications are subject to change without notice.

B5107-Series – Butterfly Valves

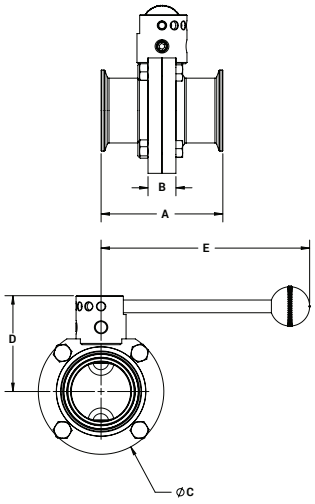
Features
- Robust disc stem
- Bi-directional flow
- Self lubricating seal
- Silicone and EPDM for valve sizes 1/2" to 4" have USP VI certification
- 100% hydraulic tested/inspected
- Various actuation options available

Materials
- Product contact material: 316L stainless steel
- Seat: EPDM, FKM, and silicone
- Seat lubricant: MOLYKOTE® 111

Specifications
- Vacuum rating: 0.4 inches Hg at **68°F (20°C)**
- Operating temperature range: **15°F** to **200°F (-9°C** to **93°C)**

Clamp End with Pull Handle – [A]

Size	Dimensions					316L Stainless Steel with Silicone Seats Part #	316L Stainless Steel with FKM Seats Part #	316L Stainless Steel with EPDM Seats Part #
	A (in)	B (in)	C (in)	D (in)	E (in)			
1/2"	3.50	0.90	3.10	2.60	4.60	B5107S050CC-A	B5107V050CC-A	B5107E050CC-A
3/4"						B5107S075CC-A	B5107V075CC-A	B5107E075CC-A
1"						B5107S100CC-A	B5107V100CC-A	B5107E100CC-A
1-1/2"						B5107S150CC-A	B5107V150CC-A	B5107E150CC-A
2"	3.80		3.90	3.00		B5107S200CC-A	B5107V200CC-A	B5107E200CC-A
2-1/2"			4.60	3.40		B5107S250CC-A	B5107V250CC-A	B5107E250CC-A
3"	4.10	1.20	5.20	3.50	6.50	B5107S300CC-A	B5107V300CC-A	B5107E300CC-A
4"	4.80		6.70	4.30		B5107S400CC-A	B5107V400CC-A	B5107E400CC-A
6"	5.50		8.50	5.60	11.70	B5107S600CC-A	---	B5107E600CC-A
8"	5.00		11.20	7.80	18.10	B5107S800CC-A	---	B5107E800CC-A

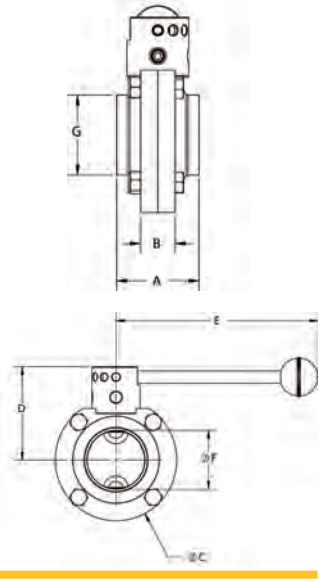


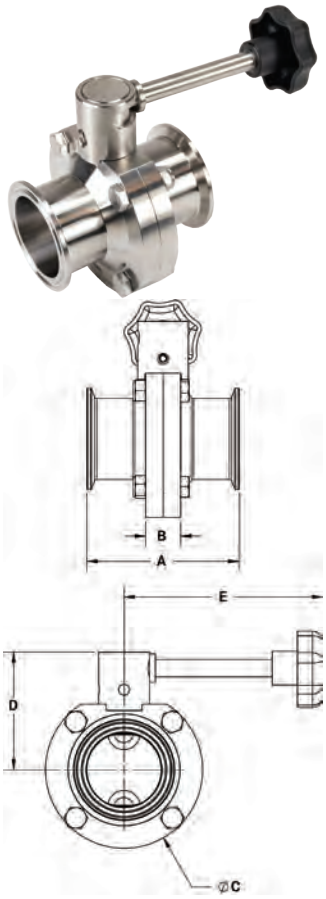
M

Weld End with Pull Handle – [A]

Size	316L Stainless Steel with Silicone Seats Part #	316L Stainless Steel with FKM Seats Part #	316L Stainless Steel with EPDM Seats Part #
1/2"	B5107S050BB-A	B5107V050BB-A	B5107E050BB-A
3/4"	B5107S075BB-A	B5107V075BB-A	B5107E075BB-A
1"	B5107S100BB-A	B5107V100BB-A	B5107E100BB-A
1-1/2"	B5107S150BB-A	B5107V150BB-A	B5107E150BB-A
2"	B5107S200BB-A	B5107V200BB-A	B5107E200BB-A
2-1/2"	B5107S250BB-A	B5107V250BB-A	B5107E250BB-A
3"	B5107S300BB-A	B5107V300BB-A	B5107E300BB-A
4"	B5107S400BB-A	B5107V400BB-A	B5107E400BB-A
6"	B5107S600BB-A	---	B5107E600BB-A
8"	B5107S800BB-A	---	B5107E800BB-A

Size	Dimensions						
	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	G (in)
1/2"	1.87	0.90	3.10	2.60	4.60	0.37	0.50
3/4"						0.62	0.75
1"						0.87	1.00
1.5"						1.37	1.50
2"	2.06		3.90	3.00		1.87	2.00
2.5"	2.12		4.60	3.40		2.37	2.50
3"	2.50	1.20	5.20	3.50	6.50	2.87	3.00
4"	3.18		6.70	4.30	6.50	3.83	4.00
6"	3.83		8.50	5.60	11.70	5.78	6.00
8"	4.97		11.20	7.80	18.10	7.78	8.00



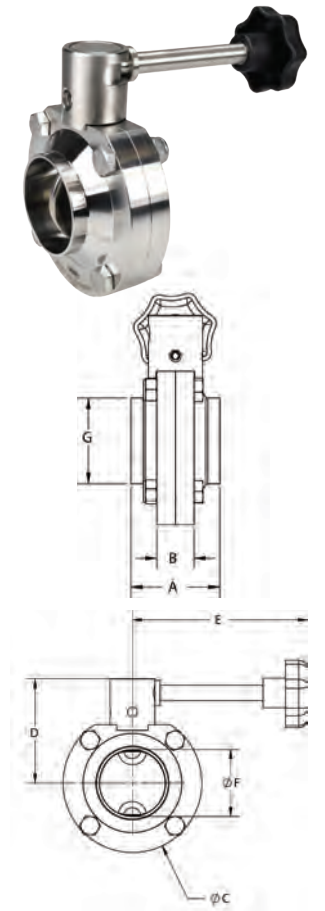


B5107-Series Butterfly Valves

Clamp End with Infinite Position Handle – [B]

Size	316L Stainless Steel with Silicone Seats Part #	316L Stainless Steel with FKM Seats Part #	316L Stainless Steel with EPDM Seats Part #
1/2"	B5107S050CC-B	B5107V050CC-B	B5107E050CC-B
3/4"	B5107S075CC-B	B5107V075CC-B	B5107E075CC-B
1"	B5107S100CC-B	B5107V100CC-B	B5107E100CC-B
1-1/2"	B5107S150CC-B	B5107V150CC-B	B5107E150CC-B
2"	B5107S200CC-B	B5107V200CC-B	B5107E200CC-B
2-1/2"	B5107S250CC-B	B5107V250CC-B	B5107E250CC-B
3"	B5107S300CC-B	B5107V300CC-B	B5107E300CC-B
4"	B5107S400CC-B	B5107V400CC-B	B5107E400CC-B

Size	Dimensions				
	A (in)	B (in)	C (in)	D (in)	E (in)
1/2"	3.50	0.90	3.10	2.60	4.90
3/4"					
1"					
1-1/2"					
2"	3.80		3.90	3.00	
2-1/2"			4.60	3.40	
3"	4.10	1.20	5.20	3.50	6.60
4"	4.80		6.70	4.30	

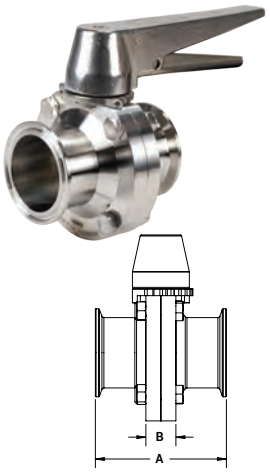


Weld End with Infinite Position Handle – [B]

Size	316L Stainless Steel with Silicone Seats Part #	316L Stainless Steel with FKM Seats Part #	316L Stainless Steel with EPDM Seats Part #
1/2"	B5107S050BB-B	B5107V050BB-B	B5107E050BB-B
3/4"	B5107S075BB-B	B5107V075BB-B	B5107E075BB-B
1"	B5107S100BB-B	B5107V100BB-B	B5107E100BB-B
1-1/2"	B5107S150BB-B	B5107V150BB-B	B5107E150BB-B
2"	B5107S200BB-B	B5107V200BB-B	B5107E200BB-B
2-1/2"	B5107S250BB-B	B5107V250BB-B	B5107E250BB-B
3"	B5107S300BB-B	B5107V300BB-B	B5107E300BB-B
4"	B5107S400BB-B	B5107V400BB-B	B5107E400BB-B

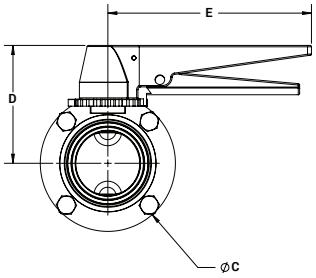
Size	Dimensions						
	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	G (in)
1/2"	1.87	0.90	3.10	2.60	4.90	0.37	0.50
3/4"						0.62	0.75
1"						0.87	1.00
1-1/2"						1.37	1.50
2"	2.06		3.90	3.00		1.87	2.00
2-1/2"	2.12		4.60	3.40		2.37	2.50
3"	2.50	1.20	5.20	3.50	6.60	2.87	3.00
4"	3.18		6.70	4.30		3.83	4.00

B5107-Series – Butterfly Valves



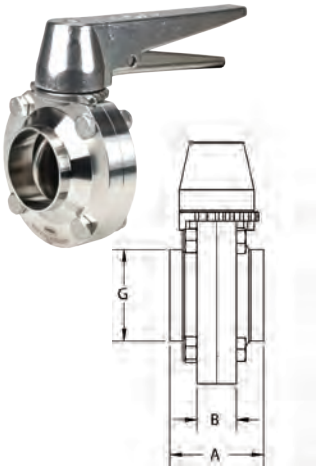
Clamp End with Trigger Handle – [C]

Size	Dimensions					316L Stainless Steel with Silicone Seats Part #	316L Stainless Steel with FKM Seats Part #	316L Stainless Steel with EPDM Seats Part #
	A (in)	B (in)	C (in)	D (in)	E (in)			
1/2"	3.50	0.90	3.10	2.60	5.90	B5107S050CC-C	B5107V050CC-C	B5107E050CC-C
3/4"						B5107S075CC-C	B5107V075CC-C	B5107E075CC-C
1"						B5107S100CC-C	B5107V100CC-C	B5107E100CC-C
1-1/2"						B5107S150CC-C	B5107V150CC-C	B5107E150CC-C
2"	3.80		3.90	3.00		B5107S200CC-C	B5107V200CC-C	B5107E200CC-C
2-1/2"			4.60	3.40		B5107S250CC-C	B5107V250CC-C	B5107E250CC-C
3"	4.10	1.20	5.20	3.50		B5107S300CC-C	B5107V300CC-C	B5107E300CC-C
4"	4.80		6.70	4.30		B5107S400CC-C	B5107V400CC-C	B5107E400CC-C



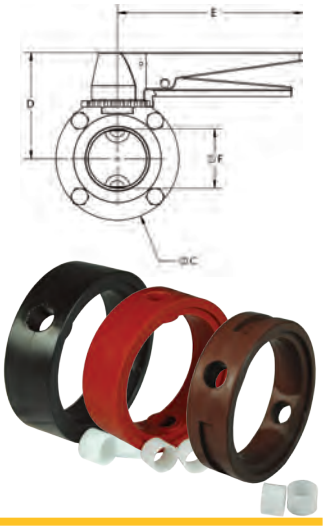
Weld End with Trigger Handle – [C]

Size	316L Stainless Steel with Silicone Seats Part #	316L Stainless Steel with FKM Seats Part #	316L Stainless Steel with EPDM Seats Part #
1/2"	B5107S050BB-C	B5107V050BB-C	B5107E050BB-C
3/4"	B5107S075BB-C	B5107V075BB-C	B5107E075BB-C
1"	B5107S100BB-C	B5107V100BB-C	B5107E100BB-C
1-1/2"	B5107S150BB-C	B5107V150BB-C	B5107E150BB-C
2"	B5107S200BB-C	B5107V200BB-C	B5107E200BB-C
2-1/2"	B5107S250BB-C	B5107V250BB-C	B5107E250BB-C
3"	B5107S300BB-C	B5107V300BB-C	B5107E300BB-C
4"	B5107S400BB-C	B5107V400BB-C	B5107E400BB-C



Size	Dimensions						
	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	G (in)
1/2"	1.87	0.90	3.10	2.60	5.90	0.37	0.50
3/4"						0.62	0.75
1"						0.87	1.00
1-1/2"						1.37	1.50
2"	2.06		3.90	3.00		1.87	2.00
2-1/2"	2.12		4.60	3.40		2.37	2.50
3"	2.50	1.20	5.20	3.50		2.87	3.00
4"	3.18		6.70	4.30		3.83	4.00

Repair Kits for B5107-Series Butterfly Valves



Features

- Repair kit contains:
  - (1) seat
  - (2) bushings
- For B5107 series valves, also compatible with B5101 series valves

Valve Size	Black EPDM Part #	Red Silicone Part #	Brown FKM Part #
1/2" – 1"	B5107-RKE100	B5107-RKS100	B5107-RKV100
1-1/2"	B5107-RKE150	B5107-RKS150	B5107-RKV150
2"	B5107-RKE200	B5107-RKS200	B5107-RKV200
2-1/2"	B5107-RKE250	B5107-RKS250	B5107-RKV250
3"	B5107-RKE300	B5107-RKS300	B5107-RKV300
4"	B5107-RKE400	B5107-RKS400	B5107-RKV400
6"	B5107-RKE600	B5107-RKS600	---
8"	B5107-RKE800	B5107-RKS800	---

B5102-Series – Butterfly Valves

Clamp

Features

- All sizes use only 3/4" of line space
- The grooved clamp housing connects directly to the corresponding sanitary clamp size
- PTFE valve disc bushings reduce friction and increase cycle life
- 3-position reversible handle
- 100% tested/100% inspected
- Can be serviced in the field (no special tools required)
- Various actuation options available

Materials

- Product contact material: 316L stainless steel
- Seat: silicone, EPDM, or FKM

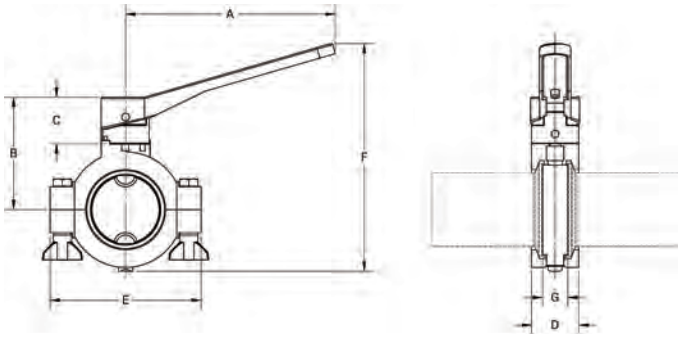
Specifications

- Vacuum rating: 0.4 inches Hg at **68°F (20°C)**
- Operating temperature range: **15°F** to **200°F (-9°C** to **93°C)**

Information supplied based on water media at **68°F (20°C)**

Size	Break Torque (in. lbs.)	Assembly Torque (in. lbs.)	Pressure Rating (PSI)	Flow Coefficent (C_V)	Weight w/standard handle (lbs.)
1"	125	36	**140**	23	1.5
1-1/2"	185			80	2
2"	200	21.6	**120**	230	2.5
2-1/2"	260			264	3
3"	350	28.8	**100**	372	4
4"	495	43.2	**70**	800	6

Size	316L Stainless Steel with Silicone Seats Part #	316L Stainless Steel with FKM Seats Part #	316L Stainless Steel with EPDM Seats Part #
1"	B5102S100-A	B5102V100-A	B5102E100-A
1-1/2"	B5102S150-A	B5102V150-A	B5102E150-A
2"	B5102S200-A	B5102V200-A	B5102E200-A
2-1/2"	B5102S250-A	B5102V250-A	B5102E250-A
3"	B5102S300-A	B5102V300-A	B5102E300-A
4"	B5102S400-A	B5102V400-A	B5102E400-A



Size	Dimensions					
	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)
1"	5.6	2.8	1.3	1.3	3.6	5.6
1-1/2"						
2"		3.0			4.1	6.1
2-1/2"		3.3			4.6	6.6
3"		3.6			5.3	7.1
4"		4.1			6.4	8.2

Repair Kits for B5102-Series Butterfly Valves

Feature

- Repair kit contains
  (1) seat
  (2) bushings

Valve Size	Black EPDM Part #	Red Silicone Part #	Brown FKM Part #
1"	B5102-RKE100	B5102-RKS100	B5102-RKV100
1-1/2"	B5102-RKE150	B5102-RKS150	B5102-RKV150
2"	B5102-RKE200	B5102-RKS200	B5102-RKV200
2-1/2"	B5102-RKE250	B5102-RKS250	B5102-RKV250
3"	B5102-RKE300	B5102-RKS300	B5102-RKV300
4"	B5102-RKE400	B5102-RKS400	B5102-RKV400

L5107-Series – Butterfly Valve

Features

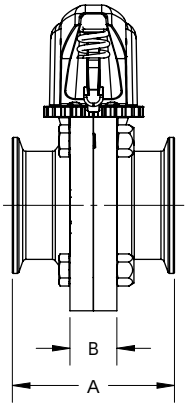
- 360° trigger sprocket allows handle to be easily rotated to both sides of the valve without disassembly and reassembly of handle
- Compact design with reduced face-to-face dimensions
- High performance rubber seat design
- Same seat design as Dixon's premium B5107-series butterfly valve line
- Hex head body bolts eliminate cavities of socket head screws for cleaner exterior design
- Durable high performance polyamide handle with stainless trigger reduces weight of overall assembly
- Valve ships complete with handle installed and ready for operation

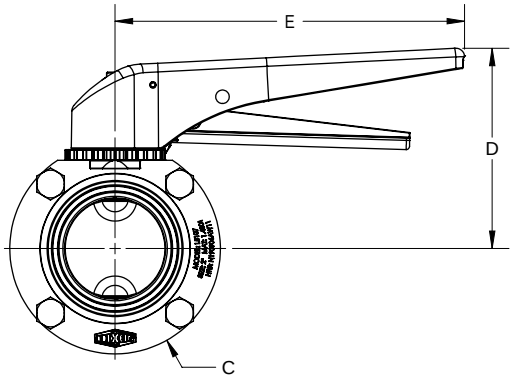
Materials

- Product contact material: 304 forged stainless steel
- Non-product contact material: 304 stainless steel
- Product contact seals: EPDM, silicone, or FKM

Specifications

- Operating temperature range: **15°F** to **200°F (-9°C** to **93°C)**
- Minimum product line pressure: 0.4" Hg vacuum (absolute) at **68°F (20°C)**





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Clamp End with Plastic Trigger Handle

Size	Dimensions					304 Stainless Steel with FKM Part #	304 Stainless Steel with Silicone Part #	304 Stainless Steel with EPDM Part #
	A (in)	B (in)	C (in)	D (in)	E (in)			
1"	3.00	0.866	3.071	3.363	6.469	L5107V100CC-P	L5107S100CC-P	L5107E100CC-P
1-1/2"						L5107V150CC-P	L5107S150CC-P	L5107E150CC-P
2"			3.898	3.707		L5107V200CC-P	L5107S200CC-P	L5107E200CC-P
2-1/2"			4.606	4.119		L5107V250CC-P	L5107S250CC-P	L5107E250CC-P
3"		1.181	5.197	4.312		L5107V300CC-P	L5107S300CC-P	L5107E300CC-P
4"			6.657	5.109		L5107V400CC-P	L5107S400CC-P	L5107E400CC-P

Repair Kits

Size	FKM Part #	Silicone Part #	EPDM Part #
1"	B5107-RKV100	B5107-RKS100	B5107-RKE100
1-1/2"	B5107-RKV150	B5107-RKS150	B5107-RKE150
2"	B5107-RKV200	B5107-RKS200	B5107-RKE200
2-1/2"	B5107-RKV250	B5107-RKS250	B5107-RKE250
3"	B5107-RKV300	B5107-RKS300	B5107-RKE300
4"	B5107-RKV400	B5107-RKS400	B5107-RKE400

NOTE: Repair kits contain (1) valve seat, (1) bushing, and (1) seat lubricant pack.

3-A 1447
58-02

HSC and EHSC-Series Spring Check Valve

Used in sanitary processes to prevent backflow of fluids. The HSC-Series is for vertical applications and the EHSC-series is for horizontal applications. These valves are certified clean-in-place for sizes 1" thru 4" and clean-out-of-place for sizes 1/2" and 3/4".

Features

- Single-piece upper-body spider design
- Standard O-ring and gasket seal design
- Can be serviced in the field (no special tools required)
- Internal product contact surface finish ≤ 32 Ra
- Suitable for low and medium-viscosity fluids
- Connection: clamp (standard), others available upon request
- HSC drainable for vertical applications only, EHSC drainable for horizontal applications

Size	Pressure Rating	Cracking Pressure (PSI)	Operating Temperature	HSC EPDM 316L Stainless Steel Part #	HSC FKM 316L Stainless Steel Part #	EHSC EPDM 316L Stainless Steel Part #	EHSC FKM 316L Stainless Steel Part #
1/2"	145 PSI	10.0	15°F to 200°F (-9°C to 93°C)	HSCE050	HSCV050	EHSCE050	EHSCV050
3/4"		4.0		HSCE075	HSCV075	EHSCE075	EHSCV075
1"		2.5		HSCE100	HSCV100	EHSCE100	EHSCV100
1-1/2"		1.0		HSCE150	HSCV150	EHSCE150	EHSCV150
2"		1.5		HSCE200	HSCV200	EHSCE200	EHSCV200
2-1/2"		0.8		HSCE250	HSCV250	EHSCE250	EHSCV250
3"		0.5		HSCE300	HSCV300	EHSCE300	EHSCV300
4"		0.4		HSCE400	HSCV400	EHSCE400	EHSCV400

Repair Kits

Size	HSC FKM Part #	HSC EPDM Part #	EHSC FKM Part #	EHSC EPDM Part #
1/2"	HSC-RKV050	HSC-RKE050	EHSC-RKV050	EHSC-RKE050
3/4"	HSC-RKV075	HSC-RKE075	EHSC-RKV075	EHSC-RKE075
1"	HSC-RKV100	HSC-RKE100	EHSC-RKV100	EHSC-RKE100
1-1/2"	HSC-RKV150	HSC-RKE150	EHSC-RKV150	EHSC-RKE150
2"	HSC-RKV200	HSC-RKE200	EHSC-RKV200	EHSC-RKE200
2-1/2"	HSC-RKV250	HSC-RKE250	EHSC-RKV250	EHSC-RKE250
3"	HSC-RKV300	HSC-RKE300	EHSC-RKV300	EHSC-RKE300
4"	HSC-RKV400	HSC-RKE400	EHSC-RKV400	EHSC-RKE400

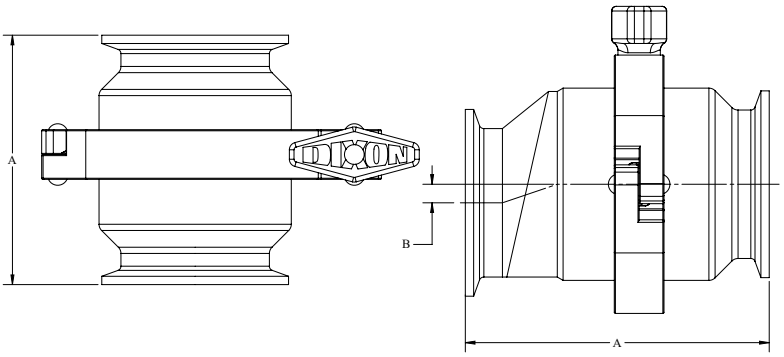
1/2"-3/4" repair kit contains:
(1) body gasket
(1) plunger O-ring
(1) spider O-ring

1"-4" repair kit contains:
(1) body gasket
(1) plunger O-ring

1" EHSC repair kit contains:
(2) body gaskets
(1) plunger O-ring

M

Dimensions



Size	HSC (in)	EHSC (in)	
	A		B
1/2"	2.70	3.10	0.3
3/4"			
1"	3.30	4.00	
1-1/2"	3.40	3.60	
2"		4.10	
2-1/2"		4.00	0.4
3"			
4"	4.10	4.70	

3A 1447
58-02

HYC-Series Y – Ball Check Valve

Used in sanitary processes to prevent backflow of fluids. When liquid flows through the valve, the ball is forced into the branch of the valve allowing fluid flow. When the liquid stops equalizing the pressure, the ball drops back into the seat, preventing backflow.

This valve can be used in combination with the B45-series air blow check valve to evacuate the upstream checked fluid from the processing line.

Features

- Improved flow performance and ball stabilization
- Patent-pending ball cap stabilizer
- Replaceable seat

Materials

- Product contact metal components: 316L stainless steel
- Non-product contact metal components: AISI 304
- Product contact seals: EPDM, FKM
- Ball: PTFE (standard), EPDM, FKM, nitrile rubber

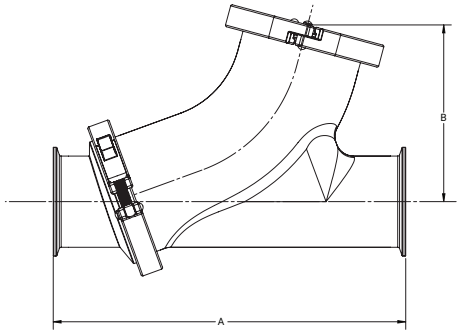
Specifications

- Operating temperature range: **15°F** to **200°F (-9°C** to **93°C)**
- Maximum operating pressure: **150 PSI**
- Internal product contact surface finish ≤ 32Ra

Size	316L Stainless Steel with EPDM Part #	316L Stainless Steel with FKM Part #
1-1/2"	HYCEP150CCAA	HYCVP150CCAA
2"	HYCEP200CCAA	HYCVP200CCAA
2-1/2"	HYCEP250CCAA	HYCVP250CCAA
3"	HYCEP300CCAA	HYCVP300CCAA

For other configurations, contact Dixon® Sanitary at 800.789.1718.

Dimensions



Valve Size	A (in)	B (in)	PTFE Ball ø (in)	Rubber Ball ø (in)
1-1/2"	7.50	3.30	1.6	1.6
2"	8.50	3.90	2.1	2.1
2-1/2"	10.00	4.50	2.7	2.6
3"	11.50	5.30	3.6	3.5

All dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

Repair and Seal Kits

Repair kit contains:
(1) EPDM cap gasket
(1) PTFE ball
(1) EPDM/CF8M seat

Seal kit contains:
(1) EPDM cap gasket
(1) EPDM/CF8M seat

FKM seal kit contains:
(1) FKM cap gasket
(1) FKM /CF8M seat

Size	EPDM/PTFE Repair Kit Part #	FKM/PTFE Repair Kit Part #	EPDM Seal Kit Part #	FKM Seal Kit Part #	Replacement Ball Only Part #
1-1/2"	HYC-RKE150	HYC-RKV150	HYC-SKE150	HYC-SKV150	HYC-TB150
2"	HYC-RKE200	HYC-RKV200	HYC-SKE200	HYC-SKV200	HYC-TB200
2-1/2"	HYC-RKE250	HYC-RKV250	HYC-SKE250	HYC-SKV250	HYC-TB250
3"	HYC-RKE300	HYC-RKV300	HYC-SKE300	HYC-SKV300	HYC-TB300

B45Y-Series Air Blow Check Valve

3-A 1447 58-02

Used with HYC-Series Y-ball check valves to evacuate product or inject clean air or gas into the system.

Feature
- Ball stabilizer design for improved ball stability

Specifications
- Maximum operating temperature: **212°F (100°C)**
- Maximum operating pressure: **145 PSI**

Materials
- Product contact metal components: 316L stainless steel
- Non-product contact metal components: 304 stainless steel
- Product contact seals: EPDM

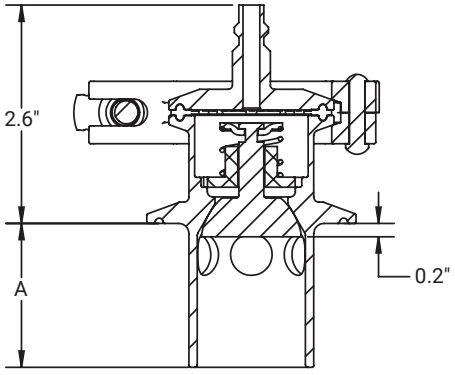
Size	1/4" Quick-Connect Plug Part #	1/2" NPT Cap Part #	1" Hose Barb Part #	Air Relief Cap Part #
2"	B45YAB-R200	B45YBC-R200	B45YCC-R200	B45YAR-R200
2-1/2"	B45YAB-R250	B45YBC-R250	B45YCC-R250	B45YAR-R250
3"	B45YAB-R300	B45YBC-R300	B45YCC-R300	B45YAR-R300
4"	B45YAB-R400	B45YBC-R400	B45YCC-R400	B45YAR-R400

NOTE: Optional filter B45ABFD150 – 1 micron filter, qty 50 per pack.

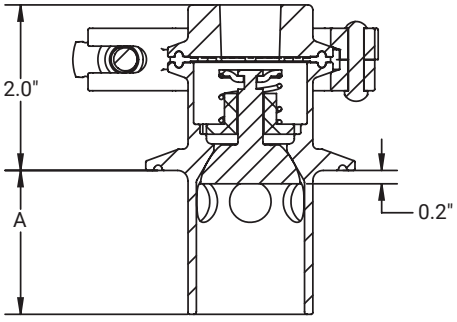
B45Y-series body with Clever Clamp™

Can only be used on the Dixon® HYC-Series Y-ball check valves

Dimensions



B45YAB



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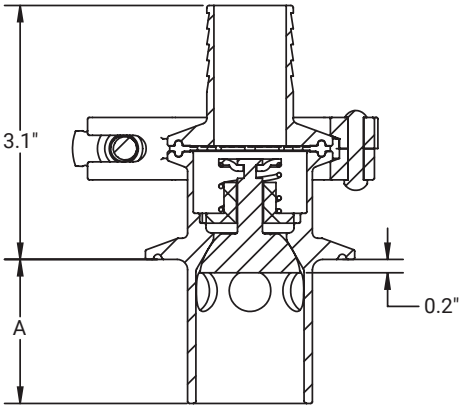
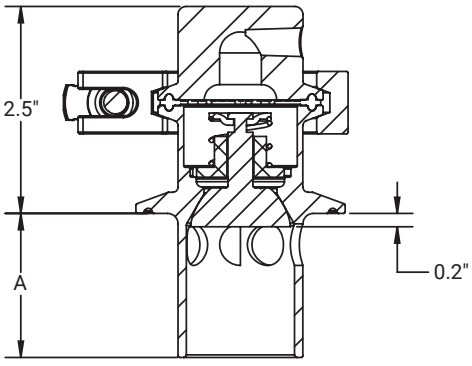


B45YCC



B45YAR

Repair Kit

Repair kit, B45AB-RK, contains
- (1) EPDM/316L stainless perforated disc
- (1) 304 stainless spring retainer
- (1) 304 stainless spring
- (1) nylon stem guide
- (1) 316L/EPDM stem and plug

Size	A (in)
2"	1.71
2-1/2"	1.80
3"	1.68
4"	2.14

NOTE: All dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

Sizing Chart

NOTE: When using air blow check valves with ball check valves, refer to the sizing chart below.

Ball Check Valve Size	Air Blow Check Valve Size
1-1/2"	2"
2"	2-1/2"
2-1/2"	3"
3"	4"

3-A 1447
58-02

B45-Series Air Blow Check Valves

Used in sanitary processes to evacuate product or inject clean air or gas into the system.

B45CC-R200

B45BC-R200

B45AB-R200

Materials
- Product contact metal components: 316L stainless steel
- Product contact seals: EPDM

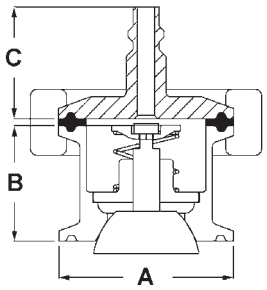
Specifications
- Maximum operating temperature: **212°F (100°C)**
- Maximum operating pressure: **145 PSI**

Approval
- Conforms to 3A accepted practice 604-05 supplying air under pressure in contact with milk, milk products, and product contact when B45ABFD150 filter disc is used, filter sold separately

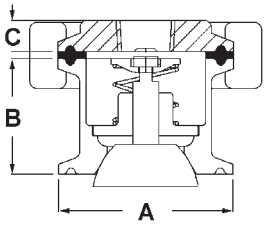
Size	1/4" Quick-Connect Plug Part #	1/2" Female NPT Part #	1" Hose Barb Part #
1-1/2"	B45AB-R100150	B45BC-R100150	B45CC-R100150
2"	B45AB-R200	B45BC-R200	B45CC-R200
2-1/2"	B45AB-R250	B45BC-R250	B45CC-R250
3"	B45AB-R300	B45BC-R300	B45CC-R300
4"	B45AB-R400	B45BC-R400	B45CC-R400

NOTE: Optional filter B45ABFD150 – 1 micron filter, qty 50 per pack

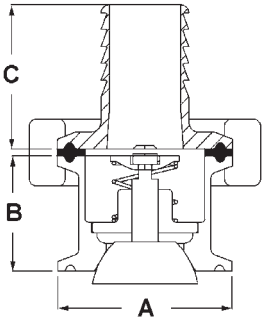
Dimensions



B45AB



B45BC



B45CC

Size	A (in)	B (in)	C (in) Plug	C (in) FNPT	C (in) Hose Barb
1"-1-1/2"	1.984	1.30	1.26	.6	1.7
2"	2.516				
2-1/2"	3.047				
3"	3.579				
4"	4.682				

NOTE: All dimensions are approximate. Engineering dimensions are available upon request. Specifications are subject to change without notice.

Repair Kit

Repair kit, B45AB-RK, contains
- (1) EPDM/316L stainless perforated disc
- (1) 304 stainless spring retainer
- (1) 304 stainless spring
- (1) nylon stem guide
- (1) 316L/EPDM stem and plug

Sizing Chart

NOTE: When using air blow check valves with ball check valves, refer to the sizing chart below.

Ball Check Valve Size	Air Blow Check Valve Size
1-1/2"	2"
2"	2-1/2"
2-1/2"	3"
3"	4"

HAV-Series Air Relief Check Valves

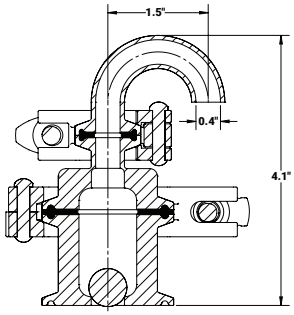
3A 1447
58-02

Installed vertically on suction lines where air removal is required. This valve is double-seated with a freely moving polypropylene ball. The ball, which is lighter than water, closes against the upper or lower seat, against vacuum or positive pressure conditions. Under vacuum, the ball sits at the bottom of the valve. Under positive pressure, the ball moves allowing air to escape.

Sizes
- 1-1/2" to 2"

Features
- No special tools required
- Ball and gaskets are replaceable
- Valve seals are under pressure and vacuum

Materials
- Materials of construction technical data:
  - Product contact components: 304 stainless steel
  - Ball: polypropylene (standard) or PTFE
  - Gasket: EPDM (standard); others available upon request



SECTION B-B

Specifications
- Product temperature technical data:
  - Maximum operating temperature: **212°F (100°C)**
- Product pressure technical data:
  - Maximum operating pressure: **145 PSI**
- Surface finish technical data:
  - Internal product contact surface finish ≤ 32 Ra
  - Others available upon request
- 3A approved only when used with elbow extension

Size	3A Elbow Part #	NPT Part #
1-1/2"	HAV3EA150	HAVNEA150
2"	HAV3EA200	HAVNEA200

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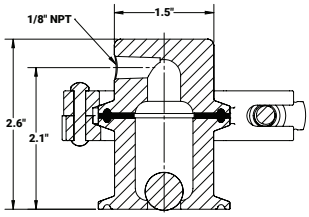
Repair Kits for HAV-Series Air Relief Check Valves



SECTION A-A

Size	Polypropylene Ball Part #	PTFE Ball Part #
All	HAV-3P	HAV-3T

TVSEC-Series Air & Vacuum Relief Tank Vent Valves

When filling or emptying a tank, this valve relieves pressure or vacuum and seals under equal pressure. In addition, it includes an external stainless screen that helps block larger particulates from entering the tank. It includes a 1/4" FNPT port that allows inert gas to be pumped into the tank.

Features

- Triple action:
  - valve relieves pressure as the fluid level rises while filling a tank
  - valve relieves vacuum as the fluid level drops while emptying a tank
  - seals under equal pressure

Screen Technical Data

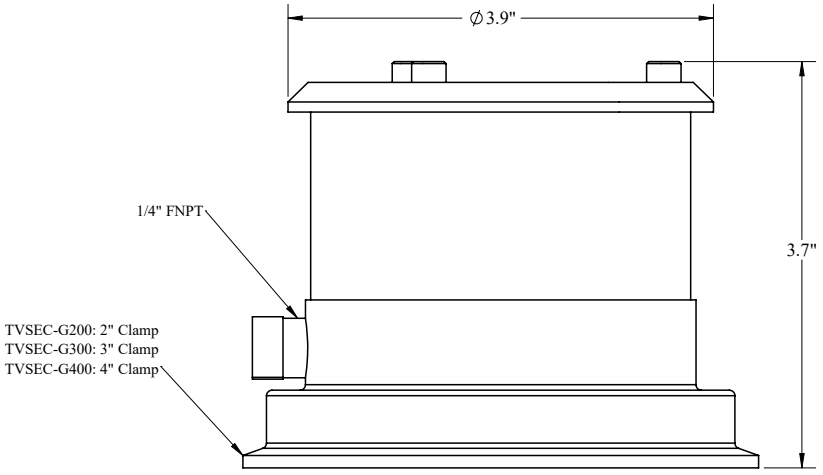
- Surface area of the open holes: 3.2in^2 +/- 0.2in^2
- Surface area of the hose holes and screen: 20in^2
- Hole diameter: 0.03"

Materials

- Product contact metal components: 304 stainless steel
- Surface finish: Ra ≤ 32
- Non-product contact metal components: 304 stainless steel
- Product contact seals: EPDM
- Gas inlet purge plug: nylon

Specifications

- Vacuum break: 2" water column, **0.1 PSI**
- Pressure relief: 22" water column, **0.8 PSI**
- Maximum operating temperature: **120°F (49°C)**; minimum operating temperature **40°F (4.4°C)**
- Tank fill and evacuation rate: **250 GPM** max



Tube O.D.	304 Stainless Steel Part #
2"	TVSEC-G200
3"	TVSEC-G300
4"	TVSEC-G400

NOTE: This valve has been designed as a secondary pressure and vacuum relief vent. Always open upper manhole whenever product is being transferred in excess of 250 gallons per minute. Dixon Sanitary assumes no liability for tank damage or product loss.

Repair Kits for TVSEC-Series Air & Tank Relief Tank Vent Valves

Size	Part Kit Part #	O-Ring Kit Part #
All	TVSEC-RK	TVSEC-OKIT-E

NOTES: Part kit contains: (1) vacuum bolt, (1) EPDM vacuum bolt O-ring, (1) EPDM vacuum disc O-ring, (1) EPDM pressure plate O-ring, (1) vacuum spring, (1) SS flat washer, (1) SS nut, (3) SS pressure plate springs, (3) SS spacers, (3) SS cover screws
O-ring kit contains: (1) EPDM vacuum bolt O-ring, (1) EPDM vacuum disc O-ring, (1) EPDM pressure plate O-ring

All dimensions are approximate. Engineering dimensions are available upon request. Specifications are subject to change without notice.

TVPC-Series Air & Vacuum Relief Tank Vent Valves

When filling or emptying a tank, this valve is used to relieve pressure or vacuum. The stainless steel dome will help in preventing external contamination.

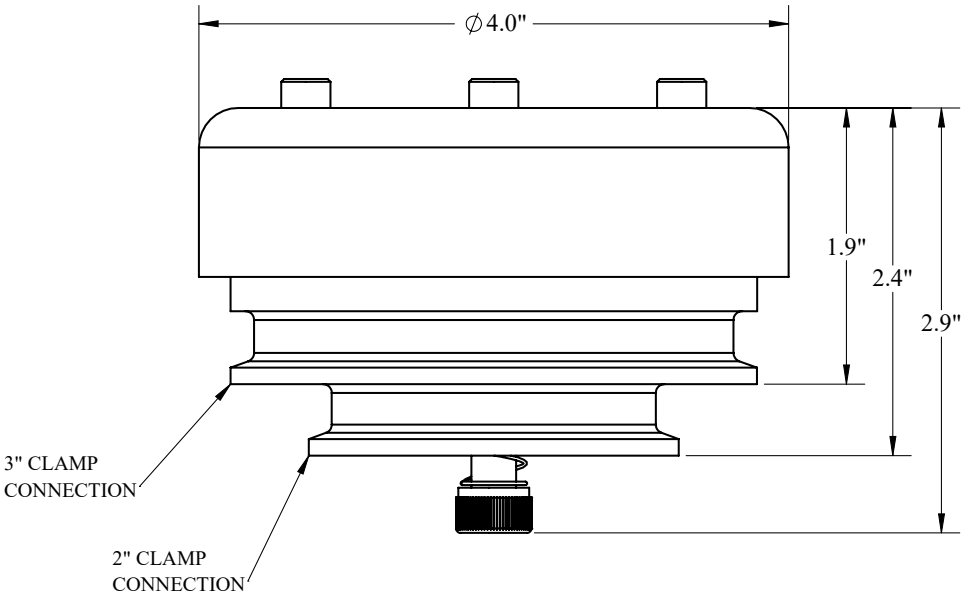
Features
- 2" and 3" clamp connections on same valve

Materials
- Metal component: 304 stainless steel
- Other component: PVC

Specifications
- Vacuum break: 2" water column (**0.1 PSI**)
- Pressure relief: 2" water column (**0.1 PSI**)
- Maximum tank fill and evacuation rate: **250 GPM**
- Maximum operating temperature: **120°F (49°C)**
- Minimum operating temperature: **40°F (4.4C)**

Size	304 Stainless Steel Part #
2" – 3"	TVPC200-300

Dimensions



NOTES: This valve has been designed as a secondary pressure and vacuum relief vent. Always open upper manhole whenever product is being transferred in excess of 250 gallons per minute. Dixon Sanitary assumes no liability for tank damage or product loss.

All dimensions are approximate. Engineering dimensions are available upon request. Specifications are subject to change without notice.

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BSV-Series Sample Valves

Features

- Valve body made from solid bar
- Drainable
- Connections suitable for orbital welding
- Available with single or dual ports
- Hermetically sealed against environment
- Optimum cleanability
- Change of seals without special tools
- Options for pneumatic actuator: no lever, with self-closing lever and with lever for open position
- Manual hand wheel

Materials

- Product contact materials: 1.4404/AISI 316L, PTFE bellows
- Non product contact materials: 1.4301/AISI 304

Specifications

- Maximum temperature: **250°F (121°C)**
- Maximum cleaning temperature: **275°F (135°C)** for 20 minutes
- Maximum pressure: **116 PSI**
- Actuator control air pressure: **87-145 PSI**
- Surface finish: Internal product contact surface finish ≤ 32 Ra

single port manual hand wheel

dual port manual hand wheel

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Clamp Valve Size	Weld Port Size	Single Port Manual Part #	Dual Port Manual Part #
1/2"	1/4"	BSVS-HC050B025	BSVD-HC050B025
	3/8"	BSVS-HC050B375	BSVD-HC050B375
	1/2"	BSVS-HC050B050	BSVD-HC050B050
1" – 1-1/2"	1/4"	BSVS-HC100B025	BSVD-HC100B025
	3/8"	BSVS-HC100B375	BSVD-HC100B375
	1/2"	BSVS-HC100B050	BSVD-HC100B050
2"	1/4"	BSVS-HC200B025	BSVD-HC200B025
	3/8"	BSVS-HC200B375	BSVD-HC200B375
	1/2"	BSVS-HC200B050	BSVD-HC200B050
2-1/2"	1/4"	BSVS-HC250B025	BSVD-HC250B025
	3/8"	BSVS-HC250B375	BSVD-HC250B375
	1/2"	BSVS-HC250B050	BSVD-HC250B050
3"	1/4"	BSVS-HC300B025	BSVD-HC300B025
	3/8"	BSVS-HC300B375	BSVD-HC300B375
	1/2"	BSVS-HC300B050	BSVD-HC300B050
4"	1/4"	BSVS-HC400B025	BSVD-HC400B025
	3/8"	BSVS-HC400B375	BSVD-HC400B375
	1/2"	BSVS-HC400B050	BSVD-HC400B050

Size	Repair Kit Part #
1/2" to 4"	BSV-NRKS050400

NOTE: Repair kit contains: (1) silicone O-ring, (1) PTFE bellows.

Fire Hose 766-780
500# single jacket all polyester 766-767
UL labeled 766
Color impregnated 767
800# double jacket all polyester 768
Color impregnated 768
MSHA approved single jacket mine 769
Double jacket potable water hose 769
500# all polyester rack 769-770
UL labeled 769
Non-UL labeled 770
500# nitrile covered 770
Forestry non-weeping 771
Forestry mop up 771
Forestry mop up kit 771
Nitrile covered – heavy duty 772
Non-collapsible 773
Chemical booster 773
Fire and utility 773
Single jacket mill 774-776
Double jacket mill 777
Nitrile washdown 778-780
PVC flexible suction hose 780

Fire House Couplings 781-784
Expansion ring couplings 781-782
Washers 782
Ring and gasket guide 783
Hose type booster couplings 784
Forestry couplings 784

Racks, Reels, Hose Cabinet 785-792
Style V Swing type hose storage 785
Swing type hose storage 786
Heavy duty swing type hose storage 786
Global continuous flow 787
Continuous flow 788
Carbon steel 789
Hump racks 790
Hose racks 790
Pin rack hose assembly 791
Semi automatic pin racks 791
Steel hose cabinet 792

Hose Protection 793
Fire jacket 793
Fire tape 793

Nozzles 794-809
Fog 794-799
Rack 795
Garden hose 799
Break apart attack 800
Ball shut off 800, 801, 802
Pistol grip 800, 801, 802
Gallonage 803-804
Ball shutoffs 801-804
Nozzle tips 801-804
Plain hose 805
Twist 805
Red plain hose 806
UL play pipes 806
Street cleaning 806
U.S. Coast Guard approved 807
Monitors and nozzles 808
Constant flow 809
Forestry 800-803
Penetrator 802
Straight stream 802
Viper® forestry 803-804
Adjust-A-Power 809
Constant flow with bumper 809

Adapters & Connections 810-864
Double hex 810
Rocker lug 810, 816, 818, 821-822, 824
Swivel 811-814, 823
Hydrant 815-818
Hazmat 817
Hex nipples 818-820
Style N37 821-822
Style N54 825
Double male hex 826-828
Style N36 829
Cam & groove 829-830
Caps and plugs 831-836
Replacement swivels and accessories 836
Storz 837-841
Fire department connections 841
Accessories 842
Wrenches 843-846
Suction 847
Continuous swivel 847
Pump head testers 848
Manifolds 848
Dry hydrants 849
Roof connections 850-852
Siamese connections 853-857
Snoots 858-859
Siamese assemblies 859-860
Single sprinkler connection 861
Single inlet and hydrant connections 861
Wall hydrants 861
Round I.D. plates 862
British Instantaneous 863-864
International shore 864

Accessories 865

Valves 866-886

Specialty Products 887

500# Single Jacket All Polyester Fire Hose

Applications
- Wildland and forestry firefighting
- Industrial and commercial standpipe systems
- Utility and washdown applications

Features
- Other threads and configurations are available; contact Dixon®
- Made in the USA

Approvals
- Underwriters Listed
- Meets current NFPA 1960 standard

Materials
- Outer construction: single jacket, all polyester
- Updated tube construction: thermoplastic polyurethane liner, EPDM available on special request, coupled synthetic lining

Specifications
- Burst pressure: **750 PSI** at ambient temperature **70°F (21°C)**
- Service test pressure: **500 PSI** at ambient temperature **70°F (21°C)**
- Working pressure: **250 PSI** at ambient temperature **70°F (21°C)**

Uncoupled

Size	Bowl (Hose O.D.)	Length	Part #
1"	1-3/16"	50'	A510-50UC
		100'	A510-100UC
1-1/2"	1-3/4"	50'	A515-50UC
		100'	A515-100UC
2"	2-1/4"	50'	A520-50UC
		100'	A520-100UC
2-1/2"	2-3/4"	50'	A525-50UC
		100'	A525-100UC
3"	3-1/4"	50'	A530-50UC
		100'	A530-100UC

Coupled with Female and Male Expansion Ring Couplings

Size	Length	Rocker Lug Aluminum NST (NH) Part #	Rocker Lug Brass NST (NH) Part #	Rocker Lug Aluminum NPSH Part #
1"	50'	A510-50RAF	---	A510-50RAS
	100'	A510100RAF	---	A510100RAS
1-1/2"	25'	A515-25RAF	A515-25RBF	A515-25RAS
	50'	A515-50RAF	A515-50RBF	A515-50RAS
	75'	A515-75RAF	A515-75RBF	A515-75RAS
	100'	A515100RAF	A515100RBF	A515100RAS
2-1/2"	25'	A525-25RAF	A525-25RBF	A525-25RAS
	50'	A525-50RAF	A525-50RBF	A525-50RAS
	75'	A525-75RAF	A525-75RBF	A525-75RAS
	100'	A525100RAF	A525100RBF	A525100RAS

500# Single Jacket Fire Hose – UL Labeled

Coupled with Female and Male Expansion Ring Couplings

Applications
- Wildland and forestry firefighting
- Industrial and commercial standpipe systems
- Utility and washdown applications

Features
- Impregnated hose and other length threads and configurations are available; contact Dixon
- Made in the USA

Approvals
- Underwriters Listed
- Meets current NFPA 1960 standard

Materials
- Outer construction: single jacket, all polyester
- Updated tube construction: thermoplastic polyurethane liner, EPDM available on special request

Specifications
- Proof test pressure: **500 PSI**
- Service test pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- Working pressure: **225 PSI** at ambient temperature **70°F (21°C)**

Size	Coupling Type	Length	NST Thread Part #
1-1/2"	combo lug, brass	50'	A515U50CBF
2-1/2"			A525U50CBF

500# Single Jacket Fire Hose – Color Impregnated

Applications
- Industrial washdown
- Water discharge/transfer
- Standby fire hose

Features
- Consult Dixon® for pricing and availability of other colors, lengths, threads, and configurations
- Made in the USA

Approvals
- Underwriters Listed
- Meets current NFPA 1960 standard

Materials
- Outer construction: single jacket, all polyester
- Updated tube construction: thermoplastic polyurethane liner, EPDM available on special request, coupled synthetic lining,

Specifications
- Burst pressure: **750 PSI** at **70°F (21°C)**
- Service test pressure: **500 PSI** at **70°F (21°C)**
- Working pressure: **250 PSI** at ambient temperature **70°F (21°C)**

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Coupled with Female and Male Expansion Ring Couplings

Size	Coupling Type	Length	Color	Part #
1-1/2"	rocker lug, aluminum, NST (NH)	50'	yellow	A515Y50RAF
	rocker lug, aluminum, NPSH			A515Y50RAS
	rocker lug, aluminum, NST (NH)		red	A515R50RAF
	rocker lug, aluminum, NPSH			A515R50RAS
	rocker lug, aluminum, NST (NH)		orange	A515OR50RAF
	rocker lug, aluminum, NPSH			A515OR50RAS

800# Double Jacket All Polyester Fire Hose – UL Labeled

Applications
- Water discharge/transfer
- Municipal firefighting
- Standpipe/auto sprinkler supply line
- High pressure water transfer

Features
- Consult Dixon for pricing and availability of 75' lengths and other threads and configurations
- Made in the USA

Materials
- Outer construction: double jacket, all polyester
- Updated tube construction: thermoplastic polyurethane liner, EPDM available on special request, coupled synthetic lining

Specifications
- Burst pressure: **1200 PSI** at **70°F (21°C)**
- Service test pressure: **800 PSI** at **70°F (21°C)**
- Working pressure: **400 PSI** at **70°F (21°C)**

Approvals
- Underwriters Listed
- Meets current NFPA 1960 standard

Coupled with Female and Male Expansion Ring Couplings

Size	Length	Rocker Lug Aluminum NST (NH) RAF Part #	Rocker Lug Brass NST (NH) RBF Part #	Rocker Lug Aluminum NPSH RAS Part #
1-1/2"	25'	D815-25RAF	D815-25RBF	D815-25RAS
	50'	D815-50RAF	D815-50RBF	D815-50RAS
	75'	D815-75RAF	D815-75RBF	D815-75RAS
	100'	D815100RAF	D815100RBF	D815100RAS
2-1/2"	25'	D825-25RAF	D825-25RBF	D825-25RAS
	50'	D825-50RAF	D825-50RBF	D825-50RAS
	75'	D825-75RAF	D825-75RBF	D825-75RAS
	100'	D825100RAF	D825100RBF	D825100RAS

800# Double Jacket Fire Hose – Color Impregnated – UL Labeled

Applications
- Industrial washdown
- Water discharge/transfer
- Municipal firefighting
- Standpipe/auto sprinkler supply line
- Master stream nozzle supply
- High pressure water transfer

Features
- Other lengths, threads, couplings, and colors (yellow, red, blue, tan, orange, green, black) are available; contact Dixon
- Made in the USA

Materials
- Outer construction: double jacket, all polyester
- Updated tube construction: thermoplastic polyurethane liner, EPDM available on special request

Specifications
- Burst pressure: **1200 PSI** at **70°F (21°C)**
- Service test pressure: **800 PSI** at **70°F (21°C)**
- Working pressure: **400 PSI** at **70°F (21°C)**

Approvals
- Underwriters Listed
- Meets current NFPA 1960 standard

Coupled with Female and Male Expansion Ring Couplings

Size	Thread NH (NST)	Coupling Type	Length	Part #
1-1/2"	1-1/2"	rocker lug, aluminum NST (NH)	50'	D815Y50RAF
		rocker lug, aluminum NST (NH)	100'	D815Y100RAF
		rocker lug, aluminum NPSH	50'	D815Y50RAS
		rocker lug, aluminum NPSH	100'	D815Y100RAS
1-3/4"		rocker lug, aluminum NST (NH)	50'	D817Y50RAF
2-1/2"	2-1/2"	rocker lug, aluminum NST (NH)	50'	D825Y50RAF
		rocker lug, aluminum NST (NH)	100'	D825Y100RAF
3"		rocker lug, aluminum NST (NH)	50'	D8325Y50RAF

MSHA Approved Single Jacket Mine Fire Hose

Coupled with Female and Male Aluminum Rocker Lug Expansion Ring Couplings

Features
- Outer construction: single jacket, synthetic flame resistant
- Tube construction: flame resistant lining

Specifications
- Proof test pressure: **500 PSI** at **70°F (21°C)**
- Service test pressure: **250 PSI** at **70°F (21°C)**
- Working pressure: **225 PSI** at **70°F (21°C)**

Approval
- Approved by Mine Safety and Health Administration (MSHA) for all mine fire protection applications

Size	Thread	Length	Part #
1-1/2"	NST (NH)	50'	SM515W50RAF
	NPSH		SM515W50RAS

Double Jacket Potable Water Hose – Blue

Features
- Outer construction: double jacket, all polyester
- Tube construction: thermoplastic

Specifications
- Proof test pressure: **600 PSI** at **70°F (21°C)**
- Service test pressure: **300 PSI** at **70°F (21°C)**
- Working pressure: **270 PSI** at **70°F (21°C)**

Approval
- Liner is NSF approved for potable water; fittings are not, except for temporary/emergency drinking needs only

Coupled with Female and Male, Brass or Aluminum Rocker Lug, Expansion Ring Couplings

Size	Thread	Length	Brass Expansion Ring Part #	Aluminum Expansion Ring Part #
1-1/2"	NPSH	50'	PW615B50RBS	PW615B50RAS
		100'	PW615B100RBS	PW615B100RAS
	NST (NH)	50'	PW615B50RBF	PW615B50RAF
		100'	PW615B100RBF	PW615B100RAF
2-1/2"	NPSH	50'	PW625B50RBS	PW625B50RAS
		100'	PW625B100RBS	PW625B100RAS
	NST (NH)	50'	PW625B50RBF	PW625B50RAF
		100'	PW625B100RBF	PW625B100RAF

N

500# All Polyester Rack Hose – UL Labeled

Application
- For pin rack service/emergency fire fighting only. Not to be used for washdown

Materials
- Outer construction: single jacket, all polyester
- Tube construction: clear thermoplastic

Specifications
- Proof test pressure: **300 PSI** at ambient temperature **70°F (21°C)**
- Service test pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- Working pressure: **135 PSI** at ambient temperature **70°F (21°C)**

Approval
- Underwriters Listed

Coupled with Female and Male Expansion Ring Couplings

Size	Coupling Type	Length	Folded Part #	Coiled Part #
1-1/2"	pin lug, brass NST (NH)	50'	R515U50PBF/F	R515U50PBF
		100'	R515U100PBF/F	R515U100PBF
	rocker lug, aluminum NST (NH)	50'	R515U50RAF/F	R515U50RAF
		100'	R515U100RAF/F	---

500# All Polyester Rack Hose – Non-UL Labeled

Application
- For pin rack service/emergency fire fighting only. Not to be used for washdown

Materials
- Outer construction: single jacket, all polyester
- Tube construction: clear thermoplastic

Specifications
- Proof test pressure: **500 PSI** at ambient temperature **70°F (21°C)**
- Service test pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- Working pressure: **225 PSI** at ambient temperature **70°F (21°C)**

Coupled with Female and Male Expansion Ring Couplings

Size	Coupling Type	Length	Folded Part #	Coiled Part #
1-1/2"	combo lug, brass NST (NH)	50'	R515-50CBF/F	R515-50CBF
		100'	R515100CBF/F	R515100CBF
	rocker lug, aluminum NST (NH)	50'	R515-50RAF/F	R515-50RAF
		100'	R515100RAF/F	R515100RAF

Nitrile Covered Fire Hose – Light Duty – Red

Applications
- Water supply line
- High-pressure fire attack
- Industrial and chemical environments

Material
- Through-the-weave nitrile/PVC covered construction: 70/30 blend

Features
- High resistance to oil, fuels, and other chemicals
- Lightweight and remains flexible in extreme temperatures
- Abrasion resistant
- Standard red color
- Other threads and configurations are available upon request, contact Dixon

Specification
- Temperature range: **-35°F** to **112°F (-37°C** to **44°C)**

Approval
- Underwriters Listed

NOTE: Meets the following standards: NFPA 1960 and UL-19

N

Pressure Ratings Ambient Temperature 70°F (21°C)

Size	Working Pressure	Service Test Pressure	Burst Pressure
1-1/2”	**250 PSI**	**500 PSI**	**750 PSI**
2-1/2”			

Uncoupled

Size	Bowl (Hose O.D.)	Length	Part #
1-1/2”	1-3/4”	50’	H515R50UC
		100’	H515R100UC
2-1/2”	2-3/4”	50’	H525R50UC
		100’	H525R100UC

Coupled with Female and Male Expansion Couplings

Size	Length	Rocker Lug Aluminum NST (NH) Part #	Rocker Lug Brass NST (NH) Part #	Rocker Lug Aluminum NPSH Part #
1-1/2”	50’	H515R50RAF	H515R50RBF	H515R50RAS
	100’	H515R100RAF	H515R100RBF	H515R100RAS
2-1/2”	50’	H525R50RAF	H525R50RBF	H525R50RAS
	100’	H525R100RAF	H525R100RBF	H525R100RAS

Forestry Non-Weeping Fire Hose

Applications
- Wildland fire suppression: initial attack and mop-up operations in forested or brush environments
- Pump-and-Roll or portable pump operations
- Backhaul and reuse

Features
- Single jacket lined attack hose
- Standard yellow color
- Made in the USA
- Other lengths available upon request, contact Dixon

Specifications
- Temperature range: **-60°F** to **112°F (-51°C** to **44°C)**
- Burst pressure: **900 PSI** at ambient temperature **70°F (21°C)**
- Service test pressure: **600 PSI** at ambient temperature **70°F (21°C)**
- Working pressure: **300 PSI** at ambient temperature **70°F (21°C)**

Materials
- All polyester outer jacket
- Thermoplastic polyurethane liner

NOTE: Meets the following standards: NFPA 1960 and USDA Forestry Spec 5100-187C Type 2

Coupled with Female and Male Expansion Ring Couplings

Size	Length	Rocker Lug Aluminum NST (NH) Part #	Rocker Lug Aluminum NPSH Part #
1"	50'	NF610Y50RAF	NF610Y50RAS
	100'	NF610Y100RAF	NF610Y100RAS
1-1/2"	50'	NF615Y50RAF	NF615Y50RAS
	100'	NF615Y100RAF	NF615Y100RAS

NOTE: Quarter-turn quick connect available upon request.

Forestry Mop Up Hose

Applications
- Used on mop-up and low volume hand lines to fill pump cans supplying sprinklers and remote fire line protection

Size
- 50' coil diameter is 9"

Features
- Consult Dixon for pricing and availability of other threads and configurations
- Impregnation: yellow

Materials
- Outer construction: single jacket, synthetic
- Tube construction: thermoplastic

N

Specifications
- Proof test pressure: **300 PSI** at ambient temperature **70°F (21°C)**
- Service test pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- Working pressure: **135 PSI** at ambient temperature **70°F (21°C)**

Coupled with Female and Male Brass Ferrule Type Garden Hose Couplings

Size	Length	Part #
3/4"	50'	NF307Y50GHT
1-1/2"	50'	NF615-50RAQT[1]
	100'	NF615100RAQT[1]

[1] Coupled with quarter turn forestry couplings

Forestry Mop Up Hose Kit

Description	Part #
kit contains: hose, pouch, and nozzle	NF307Y50GHT-KIT

Nitrile Covered Fire Hose – Heavy Duty – Yellow – UL Labeled

Applications
- Water supply line
- Attack line: smaller diameters
- Industrial and oil refinery use

Material
- Through-the-weave nitrile/PVC covered construction: 70/30 blend

Specification
- Temperature range: **-35°F** to **112°F (-37°C** to **44°C)**

Features
- High resistance to oil, gasoline, and other chemicals
- Lightweight and remains flexible at lower temperatures
- Abrasion- and puncture-resistant outer jacket
- Standard colors: yellow and red (other colors available upon request and minimum order quantity)
- Other threads and configurations are available upon request, contact Dixon
- 1-1/2", 2", and 2-1/2" have larger ribbing on O.D. for greater wear resistance

NOTE: Meets the following standards: NFPA 1960 and UL 19.

Pressure Ratings at Ambient Temperature 70°F (21°C)

Size	Working Pressure PSI	Service Test Pressure PSI	Burst Pressure PSI
1" - 2-1/2"	**300**	**600**	**900**
3" - 4"	**250**	**500**	**750**
5" - 6"	**225**	**450**	**675**

Uncoupled

Size	Bowl	Length	Part #
1"	1-3/16"	50'	H610Y50UC
1-1/2"	1-3/4"		H615Y50UC
2"	2-5/16"		H620Y50UC
2-1/2"	2-3/4"		H625Y50UC
3"	3-3/8"		H630Y50UC
4"	4-5/16"		H440Y50UC
5"	5-5/16"		H450Y50UC
6"	6-5/16"		H360Y50UC

Coupled with Female and Male Expansion Ring Couplings

Size	Length	Rocker Lug Aluminum NST (NH) RAF	Rocker Lug Brass NST (NH) RBF	Pin Lug Brass NST (NH) PBF	Rocker Lug Aluminum NPSH RAS
1"	50'	H610Y50RAF	---	---	H610Y50RAS
1-1/2"		H615Y50RAF	H615Y50RBF	H615Y50PBF	H615Y50RAS
2-1/2"		H625Y50RAF	H625Y50RBF	H625Y50PBF	H625Y50RAS

Coupled with Female and Male Segmented Storz Collar Style Couplings

Features
- Working pressures can be achieved using appropriate expansion ring couplings
- Under no circumstance should the hose be used beyond the working pressure of the fittings to which it is coupled

Approvals
- Assembled hose should be hydrostatically proof tested before use and thereafter in accordance with NFPA 1962
- Underwriters Listed

Size	Length	Storz Size	Part #
4"	50'	4"	H440Y50SZ
5"	50'	5"	H450Y50SZ
	100'		H450Y100SZ

Non-collapsible Fire Hose

Chemical Booster Hose – Red

Applications
- Initial fire attack
- Mop-up and overhaul
- Vehicle-mounted use

Materials
- 3/4” and 1”: NBR/PVC
- 1-1/2”: EDPM

NOTE: Meets NFPA 1960 standards.

Features
- Multi-spiral reinforced
- Other lengths and configurations are available upon request, contact Dixon
- Higher pressure hose available upon request, contact Dixon
- Uncoupled available upon request, contact Dixon

Specification
- Temperature range: **-20°F** to **190°F (-29°C** to **88°C)**

Pressure Ratings at Ambient Temperature 70°F (21°C)

Size	Working Pressure	Service Test Pressure	Burst Pressure
3/4"	**300 PSI**	**600 PSI**	**900 PSI**
1”			
1-1/2"	**250 PSI**	**500 PSI**	**750 PSI**

Coupled with Hole Type Female and Male Couplings

Size	Length	Aluminum NST (NH) Part #	Chromed Brass NST (NH) Part #
3/4"	50’	80B07-50HAF	80B07-50HCF
	100’	80B07-100HAF	80B07-100HCF
1"	50’	80B10-50HAF	80B10-50HCF
	100’	80B10-100HAF	80B10-100HCF

Fire and Utility Hose – Red

Features
- Outer construction is designed to withstand abrasion
- Consult Dixon® for pricing
- Also available with chrome brass fittings

Specifications
- Working pressure: **250 PSI** at **70°F (21°C)**
- Service test pressure: **500 PSI** at **70°F (21°C)**
- Burst pressure: **750 PSI** at **70°F (21°C)**

N

Coupled with Female and Male NST (NH) Thread, Rocker Lug, Brass Expansion Ring Couplings

Size	Length	Part #
1-1/2"	50'	15B15-50RBF
	100'	15B15-100RBF

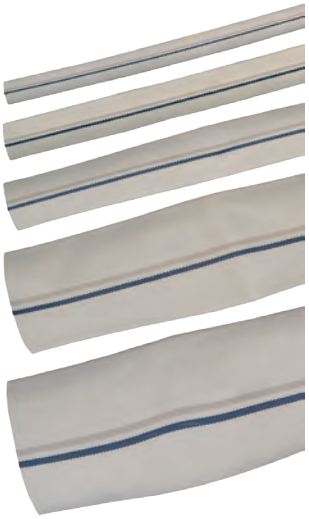
Coupled with Female and Male NST (NH) Thread, Rocker Lug, Aluminum Expansion Ring Couplings

Size	Length	Part #
1-1/2"	50'	15B15-50RAF
	100'	15B15-100RAF

Coupled with Female and Male NPSH Thread, Rocker Lug, Aluminum Expansion Ring Couplings

Size	Length	Part #
1-1/2"	50'	15B15-50RAS
	100'	15B15-100RAS

Synthetic Single Jacket Mill Hose



Application

- Used in open end water discharge applications only; not intended for fire fighting service

Feature

- Consult Dixon® for pricing and availability on 75' lengths and other threads and configurations

Materials

- Outer construction: single jacket, all polyester
- Tube construction: black, PVC rubber

Specifications

- Burst pressure: **450 PSI** at **70°F (21°C)**
- Proof test pressure: **300 PSI** at **70°F (21°C)**
- Service test pressure: **150 PSI** at **70°F (21°C)**

Uncoupled

Size	Bowl	Length	Part #
1"	1-1/4"	50'	M10-50UC
		100'	M10-100UC
		300'	M10-300UC
1-1/2"	1-11/16"	25'	M15-25UC
		50'	M15-50UC
		100'	M15-100UC
2"	2-3/8"	25'	M20-25UC
		50'	M20-50UC
		100'	M20-100UC
2-1/2"	2-11/16"	25'	M25-25UC
		50'	M25-50UC
		100'	M25-100UC
3"	3-3/8"	25'	M30-25UC
		50'	M30-50UC
		100'	M30-100UC
4"	4-3/8"	25'	M40-25UC
		50'	M40-50UC
		100'	M40-100UC
6"	6-3/8"	25'	M60-25UC
		50'	M60-50UC

Synthetic Single Jacket Mill Hose

Application
- Used in open end water discharge applications only; not intended for fire fighting service

Feature
- Consult Dixon® for pricing and availability on 75' lengths and other threads and configurations

Materials
- Outer construction: single jacket, all polyester
- Tube construction: black, PVC rubber

Specifications
- Burst pressure: **450 PSI** at **70°F (21°C)**
- Proof test pressure: **300 PSI** at **70°F (21°C)**
- Service test pressure: **150 PSI** at **70°F (21°C)**

Coupled with NPSH Female and Male Expansion Ring Couplings

Size	Length	Part #
1-1/2"	50'	M15-50RAS
	100'	M15100RAS
2"	50'	M20-50RAS
	100'	M20100RAS
2-1/2"	50'	M25-50RAS
	100'	M25100RAS

Coupled with NST (NH) Female and Male Expansion Ring Couplings

Size	Length	Part #
1-1/2"	50'	M15-50RAF
	100'	M15100RAF
2-1/2"	25'	M25-25RAF
	50'	M25-50RAF
	100'	M25100RAF

N

Coupled with MNPT x MNPT Male Expansion Ring Couplings

Size	Length	Part #
1-1/2"	50'	M15-50RAT
	100'	M15100RAT
2"	50'	M20-50RAT
	100'	M20100RAT

Synthetic Single Jacket Mill Hose

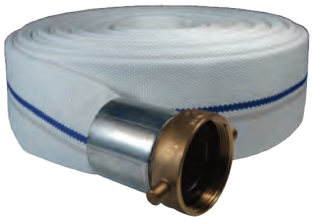
Application
- Used in open end water discharge applications only; not intended for fire fighting service

Feature
- Consult Dixon® for pricing and availability of additional lengths and other configurations

Materials
- Outer construction: single jacket, all polyester
- Tube construction: black rubber

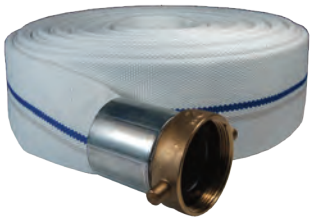
Specifications
- Burst pressure: **450 PSI** at **70°F (21°C)**
- Proof test pressure: **300 PSI** at **70°F (21°C)**
- Service test pressure: **150 PSI** at **70°F (21°C)**

Coupled with NPSH Female and Male King™ Short Shank Couplings, Crimp Sleeve, Aluminum Shank with Brass Pin Lug Swivel Nut



Size	Length	Part #
1-1/2"	25'	M15-25KAS
	50'	M15-50KAS
2"	25'	M20-25KAS
	50'	M20-50KAS
2-1/2"	25'	M25-25KAS
	50'	M25-50KAS
3"	25'	M30-25KAS
	50'	M30-50KAS

Coupled with NST (NH) Female and Male King Short Shank Couplings, Crimp Sleeve, Aluminum Shank with Brass Pin Lug Swivel Nut



Size	Length	Part #
1-1/2"	25'	M15-25KAF
	50'	M15-50KAF
2-1/2"	25'	M25-25KAF
	50'	M25-50KAF

Coupled with Female and Male (C and E) Global Aluminum Cam & Groove, Crimp Sleeve

Size	Length	Part #
1-1/2"	25'	M15-25GAX
	50'	M15-50GAX
2"	25'	M20-25GAX
	50'	M20-50GAX
2-1/2"	25'	M25-25GAX
	50'	M25-50GAX
3"	25'	M30-25GAX
	50'	M30-50GAX
4"	25'	M40-25GAX
	50'	M40-50GAX

Synthetic Double Jacket Mill Hose

Application
- Ideal for open end discharge applications; not intended for fire fighting service

Features
- Consult Dixon® for pricing and availability of additional lengths and other configurations
- Double jacket hoses are not recommended for use with field re-attachable couplings

Materials
- Outer construction: double jacket, all polyester
- Tube construction: black rubber

Specifications
- Burst pressure: **600 PSI** at **70°F (21°C)**
- Proof test pressure: **400 PSI** at **70°F (21°C)**
- Service test pressure: **200 PSI** at **70°F (21°C)**

Uncoupled

Size	Bowl	Length	Part #
1-1/2"	1-13/16"	50'	DM15-50UC
		100'	DM15-100UC
2"	2-5/16"	50'	DM20-50UC
		100'	DM20-100UC
2-1/2"	2-7/8"	50'	DM25-50UC
		100'	DM25-100UC

Coupled with Female and Male NST (NH) Thread, Rocker Lug, Aluminum Expansion Ring Couplings

Size	Bowl	Length	Part #
1-1/2"	1-13/16"	50'	DM15-50RAF
		100'	DM15100RAF
2-1/2"	2-7/8"	50'	DM25-50RAF
		100'	DM25100RAF

Coupled with Female and Male NPSH Thread, Rocker Lug, Aluminum Expansion Ring Couplings

Size	Bowl	Length	Part #
1-1/2"	1-13/16"	50'	DM15-50RAS
		100'	DM15100RAS
2"	2-5/16"	50'	DM20-50RAS
		100'	DM20100RAS
2-1/2"	2-7/8"	50'	DM25-50RAS
		100'	DM25100RAS

N

Coupled with Male and Male NPT Thread, Rocker Lug, Aluminum Expansion Ring Couplings

Size	Bowl	Length	Part #
1-1/2"	1-13/16"	50'	DM15-50RAT
		100'	DM15100RAT
2"	2-5/16"	50'	DM20-50RAT
		100'	DM20100RAT
2-1/2"	2-7/8"	50'	DM25-50RAT

Coupled with Female and Male (C and E) Global Aluminum Cam & Groove, Crimp Sleeve

Size	Bowl	Length	Part #
1-1/2"	1-13/16"	50'	DM15-50GAX
		100'	DM15100GAX
2"	2-5/16"	50'	DM20-50GAX
		100'	DM20100GAX

Nitrile Washdown Hose

Application

- Ideal for industrial, agricultural, and construction washdown and discharge applications, not for fire fighting ⚠

Feature

- Resistant to weather and abrasion

Specification

- Working pressure: **200 PSI**
- Working temperature: **-4°F** to **158°F (-20°C** to **70°C)**

Coupled with NPSH Female and Male Expansion Ring Couplings

Size	Length	Part #
1-1/2"	50'	WDH15BK50RAS
	100'	WDH15BK100RAS
2"	50'	WDH20BK50RAS
	100'	WDH20BK100RAS
2-1/2"	50'	WDH25BK50RAS
	100'	WDH25BK100RAS

Coupled with NST Female and Male Expansion Ring Couplings

Size	Length	Part #
1-1/2"	50'	WDH15BK50RAF
	100'	WDH15BK100RAF
2-1/2"	25'	WDH25BK25RAF
	50'	WDH25BK50RAF
	100'	WDH25BK100RAF

N

Coupled with MNPT x MNPT Male Expansion Ring Couplings

Size	Length	Part #
1-1/2"	50'	WDH15BK50RAT
	100'	WDH15BK100RAT
2"	50'	WDH20BK50RAT
	100'	WDH20BK100RAT

Nitrile Washdown Hose

Application
- Ideal for industrial, agricultural, chemical, and construction washdown and discharge applications, not for fire fighting

Feature
- Resistant to weather and abrasion

Coupled with NPSH Female and Male King™ Short Shank Couplings, Crimp Sleeve, Aluminum Shank with Brass Pin Lug Swivel Nut

Size	Length	Part #
1-1/2"	25'	WDH15BK25KAS
	50'	WDH15BK50KAS
2"	25'	WDH20BK25KAS
	50'	WDH20BK50KAS
2-1/2"	25'	WDH25BK25KAS
	50'	WDH25BK50KAS
3"	25'	WDH30BK25KAS
	50'	WDH30BK50KAS

Coupled with NST (NH) Female and Male King Short Shank Couplings, Crimp Sleeve, Aluminum Shank with Brass Pin Lug Swivel Nut

Size	Length	Part #
1-1/2"	25'	WDH15BK25KAF
	50'	WDH15BK50KAF
2-1/2"	25'	WDH25BK25KAF
	50'	WDH25BK50KAF

N

Coupled with Female and Male (C and E) Global Aluminum Cam & Groove, Crimp Sleeve

Size	Length	Part #
1-1/2"	25'	WDH15BK25GAX
	50'	WDH15BK50GAX
2"	25'	WDH20BK25GAX
	50'	WDH20BK50GAX
2-1/2"	25'	WDH25BK25GAX
	50'	WDH25BK50GAX
3"	25'	WDH30BK25GAX
	50'	WDH30BK50GAX
4"	25'	WDH40BK25GAX
	50'	WDH40BK50GAX

Nitrile Washdown Hose

Application
- Ideal for industrial, agricultural, and construction washdown and discharge applications, not for fire fighting ⚠

Feature
- Resistant to weather and abrasion

Uncoupled

Size	Color	Bowl	Length	Working Pressure (PSI)	Part #
1"	black	1-1/4"	50'	200	WDH10BK50UC
			100'		WDH10BK100UC
1-1/2"	black	1-13/16"	50'		WDH15BK50UC
			100'		WDH15BK100UC
2"	black	2-5/16"	50'		WDH20BK50UC
			100'		WDH20BK100UC
2-1/2"	black	2-13/16"	50'		WDH25BK50UC
			100'		WDH25BK100UC
3"	black	3-3/8"	50'	150	WDH30BK50UC
			100'		WDH30BK100UC
4"	black	4-3/8"	50'		WDH40BK50UC
			100'		WDH40BK100UC
6"	black	6-3/8"	50'		WDH60BK50UC
			100'		WDH60BK100UC

female L/H x male R/L

storz x storz

cam & groove x cam & groove

Dixon® PVC Flexible Suction Hose

Couplings with PVC Flexible Suction Hose

Size	Length	Thread	Female L/H x Male Part #	Female R/L x Male Part #	Storz x Storz Part #	Cam & Groove x Cam & Groove Part #
2-1/2"	10'	NST	FSH25-10LAF	FSH25-10RAF	FSH25-10STZ	---
3"			FSH30-10LAF	FSH30-10RAF	---	FSH30-10GAX
4"			FSH40-10LAF	FSH40-10RAF	FSH40-10STZ	FSH40-10GAX
4-1/2"			FSH45-10LAF	FSH45-10RAF	---	---
5"			FSH50-10LAF	FSH50-10RAF	---	---
6"			FSH60-10LAF	FSH60-10RAF	---	FSH60-10GAX

NOTE: Additional lengths and configurations are available; contact Dixon.

Expansion Ring Couplings

Features
- Shipped complete with expansion rings, swivel, and tail washers
- Aluminum expansion ring couplings have (3) rocker lugs on the male and female

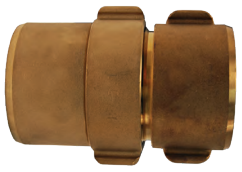
For Single Jacket Hose – Aluminum

Size	Thread	Bowl	Aluminum Part #
1"	NPSH	1-1/4"	S10125
1-1/2"	NPSH	1-3/4"	S16175
		1-11/16"	S16168
		1-13/16"	S16181
2"	NPSH	2-1/4"	S20225
2-1/2"	NPSH	2-13/16"	S26281
1-1/2"	NST (NH)	1-11/16"	S16168F
		1-3/4"	S16175F
		1-13/16"	S16181F
2-1/2"	NST (NH)	2-11/16"	S26268F
		2-13/16"	S26281F
1-1/2"	MNPT	1-11/16"	MS16168T[1]
		1-3/4"	MS16175T[1]
2"	MNPT	2-1/4"	MS20225T[1]
2-1/2"	MNPT	2-11/16"	MS26268T[1]

[1] Male fitting only

For Single Jacket Hose – Brass

Size	Thread	Bowl	Brass Part #
1-1/2"	NPSH	1-3/4"	RS15175
		1-13/16"	RS15181
2-1/2"	NPSH	2-13/16"	RS25281
1-1/2"	NST (NH)	1-3/4"	RS15175F
		1-13/16"	RS15181F
2-1/2"	NST (NH)	2-13/16"	RS25281F



Expansion Ring Couplings

For Double Jacket Hose – Aluminum

Size	Thread	Bowl	Aluminum Part #
1-1/2"	NPSH	1-13/16"	D16181
		1-15/16"	D16193
		2-1/16"	D16206
2"	NPSH	2-5/16"	D20231
2-1/2"	NPSH	3"	D263
1-1/2"	NST (NH)	1-13/16"	D16181F
		1-15/16"	D16193F
		2-1/16"	D16206F
2-1/2"	NST (NH)	2-7/8"	D26287F
		3"	D263F
1-1/2"	MNPT	1-13/16"	MD16181T[1]
2"	MNPT	2-5/16"	MD20231T[1]
2-1/2"	MNPT	2-7/8"	MD26287T[1]

[1] Male fitting only

For Double Jacket Hose – Brass

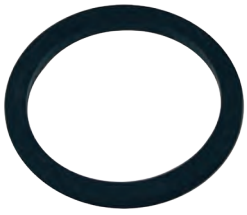
Size	Thread	Bowl	Brass Part #
1-1/2"	NPSH	1-15/16"	RD15193
	NST (NH)		RD15193F

Expansion Rings

Feature
- Used with the fire hose couplings listed on pages 781, 783

O.D.	Length	Wall Thickness	85/15 red brass Part #
1"	1-1/4"	.05	ER10125
1-1/2"	3/4"	.05	ER1575
	7/8"		ER1587
	1"		ER1510
	1-1/4"		ER15125
1-3/4"	1-1/4"	.05	ER17125
2-7/16"	1-1/4"	.062	ER27125
	1-1/2"		ER27150
3"	2"	.07	ER3020

Swivel Washers



Feature
- Used on the swivel end of the fire hose couplings listed on pages 781, 783

I.D.	O.D.	Thickness	Nitrile Rubber Part #
1-1/16"	1-7/16"	1/8"	SW100F
1-9/16"	2-1/16"		SW150
2-1/16"	2-1/2"		SW200
2-9/16"	3-3/16"	3/16"	SW250
3-1/16"	3-3/4"	1/4	SW300F
4-1/16"	5-1/8"		SW400F
4-9/16"	5-7/8"		SW450F
5-1/16"	6-3/8"		SW500F
6-1/16"	7-1/8"		SW600F

N

Tail Washers

Feature
- Used on the tail end of the fire hose couplings listed on pages 781, 783

I.D.	O.D.	Thickness	Nitrile Rubber Part #
1-1/32"	1-5/16"	3/16"	STW100
1-9/16"	1-3/4"		RTW150
1-9/16"	1-15/16"		STW150
1-5/8"	2-1/8"		DTW150
2-9/16"	3"	1/4"	STW250
2-5/8"	3-1/4"		DTW250
3-1/8"	3-25/32"		DTW300

Expansion Ring and Gasket Guide

Coupling Part #	Swivel Washer Part #	Tail Washer Part #	Expansion Ring Part #
D15193 & D15193F	SW150	DTW150	ER15125
D15206F	SW150	G12014	ER15125
D16187 & D16187F	SW150	DTW150	ER15125
D16193 & D16193F	SW150	DTW150	ER15125
D16206 & D16206F	SW150	G12014	ER15125
D253 & D253F	SW250	DTW250	ER27150
D26287F	SW250	DTW250	ER27150
D263 & D263F	SW250	DTW250	ER27150
MD16181T	n/a	STW150	ER15125
MD20231T	n/a	special	special
MD26287T	n/a	DTW250	ER27150
MS16168T	n/a	STW150	ER15125
MS16175T	n/a	STW150	ER15125
MS20225T	n/a	special	special
MS26268T	n/a	STW250	ER27150
RD15193 & RD15193F	SW150	DTW150	ER15125
RD15206 & RD15206F	SW150	G12014	ER15125
RD253 & RD253F	SW250	DTW250	ER27150
RH15168 & RH15168F	SW150	RTW150	ER1575
RH16168 & RH16168F	SW150	RTW150	ER1575
RS15175 & RS15175F	SW150	STW150	ER15125
RS15181 & RS15181F	SW150	STW150	ER1510
RS25281 & RS25281F	SW250	STW250	ER27125
RS25287	SW250	STW250	ER27150
S15175 & S15175F	SW150	RTW150	ER15125
S15181 & S15181F	SW150	RTW150	ER1510
S16168 & S16168F	SW150	STW150	ER15125
S16175 & S16175F	SW150	STW150	ER15125
S16181 & S16181F	SW150	STW150	ER15125
S25281 & S25281F	SW250	STW250	ER27125
S25287 & S25287F	SW250	STW250	ER27150
S26268 & S26268F	SW250	STW250	ER27150
S26275 & S26275F	SW250	STW250	ER27150
S26281 & S26281F	SW250	STW250	ER27150

Hose Type Booster Hose Couplings

Features
- Special tooling is required to attach these couplings to hose
- Hardcoat finish
- Complete set

Specifications
- Working pressure: **800 PSI** at ambient temperature **70°F (21°C)**
- 3/4 and 1" NST threads are the same size; also known as chemical hose thread (CHT) or booster hose thread

Hose Size	Thread Type	Bowl Size	Aluminum Hardcoat Part #
3/4"	1" NPSH	1-1/4"	ABH08125
1"	1" NST (NH)	1-7/16"	ABH10143F
		1-1/2"	ABH10150F

Forged Forestry Couplings

Feature
- Common quarter turn sexless head (a 1-1/2" QT fitting will mate with a 3/4" QT or 1" QT)

Specification
- Maximum operating pressure: **300 PSI** at ambient temperature **70°F (21°C)**

1/4 Turn Male

Thread	Forged Aluminum Part #
3/4" GHT	QTM75GHT-F
1" NPSH	QTM100S-F
1" NPT	QTM100T-F
11/2" NST (NH)	QTM150F-F
1-1/2" NPT	QTM150T-F

1/4 Turn Female

Thread	Forged Aluminum Part #
3/4" GHT	QTF75GHT-F
1" NPSH	QTF100S-F
1" NPT	QTF100T-F
1-1/2" NST (NH)	QTF150F-F
1-1/2" NPT	QTF150T-F

Forestry Coupling Gasket

Neoprene Part #
QTG-F

Quick Connect Forestry Expansion Ring Couplings

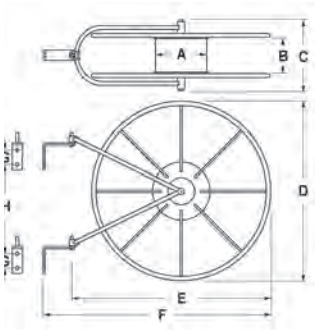
Feature
- Sold in sets of (2) with expansion ring

Hose Size	Bowl Size	Forged Aluminum Part #
1-1/2"	1-11/16"	QTX150-F

V Swing Type Hose Storage Reels

Features
- Drum storage of collapsible hose prevents damaging kinks, allowing longer hose life
- Pivot mounting permits reel to swing to the proper angle preventing twists and kinks
- Open sides allow faster hose drying, to prevent mold and mildew
- Red polyester powder coat finish
- Wall mounting is standard; (2) wall mounting brackets included
- Style V5 (when used with 1-1/2" hose only), has a space between the reel sides to accommodate two widths of hose side by side, for maximum capacity in minimum space
- Replacement brackets - 1212-0930-4, (2) per set

Size	Hose Capacity			A	B	C	D	E	F	G	H	Steel Part #
	Rack	Single	Double									
1-1/2" – 1-3/4"	100'	75'	50'	8"	3"	7-1/2"	21"	23"	27"	2"	11-3/8"	FHR-V1
	150'	100'	75'	8"	3"	7-1/2"	26"	29"	33"	2"	15"	FHR-V2
1-1/2"	300'	200'	150'	8"	5-1/2"	9-1/2"	26"	30"	34"	2"	13"	FHR-V5
2" – 2-1/2"	150'	100'	75'	8"	5-1/2"	9-1/2"	26"	30"	34"	2"	13"	FHR-V5



Covers for V Swing Type Hose Storage Reels

Features
- Velcro® closures
- Printed on both sides

Cover for	Dimensions	Vinyl Coated Nylon Part #
FHR-V2	26"	FHR-C
FHR-V1	21"	FHR-C1
FHR-V5	26"	HSRC26

N

Swing Type Hose Storage Reels

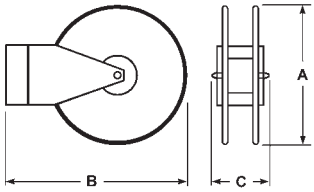
Features

- One piece wall bracket (14 gauge), for easier mounting
- 180° swing will also take pipe clamps to 3"
- Compact size – smaller reel hub to allow more hose storage
- Baked red enamel finish
- Welded construction – rim (18 gauge) hub cap, welded spokes form solid wheels, separated by a molded poly hub and bolted together to form a sturdy unit
- Hose is double rolled from the center of length coupled to valve and nozzle
- Hose is ready for action when completely removed and valve is open
- Hose and nozzle sold separately

Material

- 14 gauge steel support arms

Hose Size	Hose Capacity		Steel Part #
	Lightweight	Rubber Lined	
1-1/2"	150'	50' to 75'	HSR18
	250'	100'	HSR24
2-1/2"	100'	100'	HSR25-24



Dimensions

Cover for	A	B	C
HSR18	18"	23-1/2"	6-1/4"
HSR24	24"	29"	6-1/4"
HSR25-24	24"	29"	8-1/4"

Covers for Swing Type Hose Reels

Application

- To be used with hose storage reels

Features

- "Fire Hose/Keep Clear" printed on one side
- Bright red fabric reinforced PVC with Velcro® closures for quick release

Cover for	Dimensions	Vinyl Part #
HSR18	16" to 18"	HSRC18
HSR24	24"	HSRC24
HSR25-24	24" to 25"	HSRC25-24

N

Heavy Duty, High Capacity Swing Type Hose Storage Reel

Features

- Welded steel wall bracket swings 180°
- Wall bracket adapts to pipes (1-1/2" to 3") with an optional pipe bracket kit
- Red baked enamel finish
- Supplied with hook-and-loop back strap to keep hose securely wound

Size	Hose Capacity		16-gauge steel Part #
	Single Jacket	Double Jacket	
1-1/2"	200'	150'	DXHDR25HC
2-1/2"	100'	75'	

Cover for Heavy Duty Swing Type Hose Storage Reel

Application

- To be used with hose storage reels

Feature

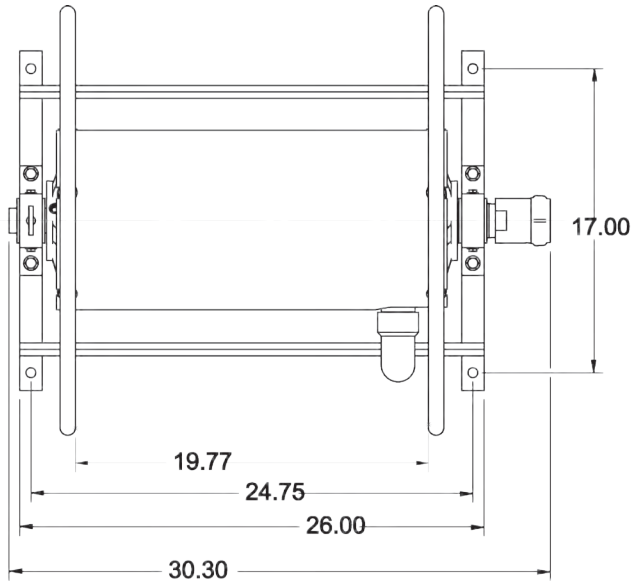
- "Fire Hose/Keep Clear" printed on one side

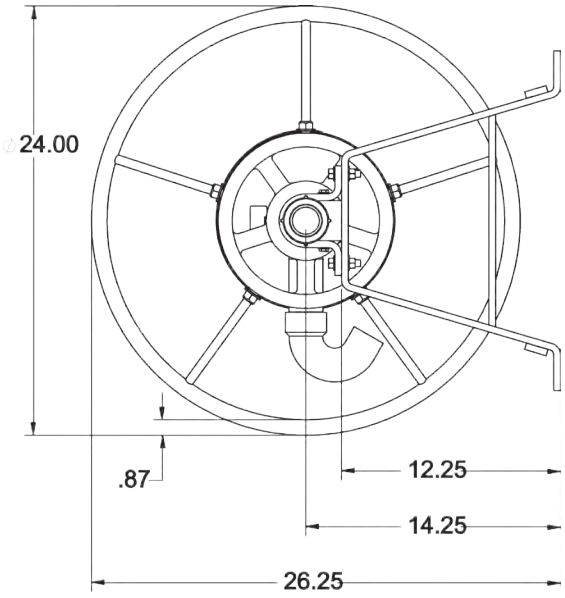
Cover for	Dimensions	Vinyl Part #
DXHDR25HC	l: 26", h: 25", w: 8"	DXHDRC25HC

Pipe Brackets for Heavy Duty Swing Type Hose Storage Reel

Description	Vinyl Part #
pipe bracket set	DXHDR25PB

Global Continuous Flow Reels





Features
- Greaseless swivel and reel bearings improve performance
- Optional adapters (order separately):
  FM15S15F = 1-1/2" FNPSH x 1-1/2" MNST brass
  FM1515F = 1-1/2" FNPT x 1-1/2" MNST brass
- Replacement inlet swivel joints at bottom of page

Hose Size and Capacity		Inlet Size	Outlet Size	Steel Part #
3/4"	250'	1-1/2" NPT	1-1/2" NPT	FD47IR-150-100
1"	150'			
1-1/2"	100'			

N

Cover for Global Continuous Flow Hose Reel

Cover for	Dimensions	Vinyl Part #
FD47IR-150-100	27" x 24" x 26"	FD47-C2

Replacement parts for FD47IR-150-100 Hose Reel

Features
- Ball-bearing swivel
- Requires no lubrication

Specification
- **200 PSI**

Description	Cast Brass Part #
1-1/2" inlet ball bearing swivel joint	CSSF150T

Description	Part #
1-1/2" elbow	4316700501

Continuous Flow Reels

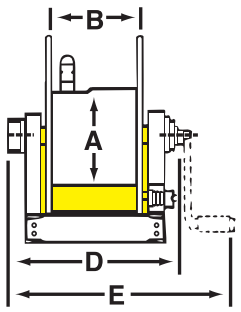
Features

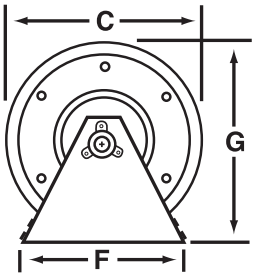
- Allows immediate and continuous flow of water at all times during deployment of hose
- One-person operation
- Use with non-collapsible hose shown on page 773
- Powder coated with an electrostatically-applied, thermally-fused, red polyester finish, steel drum
- Rims and universal mounting stand

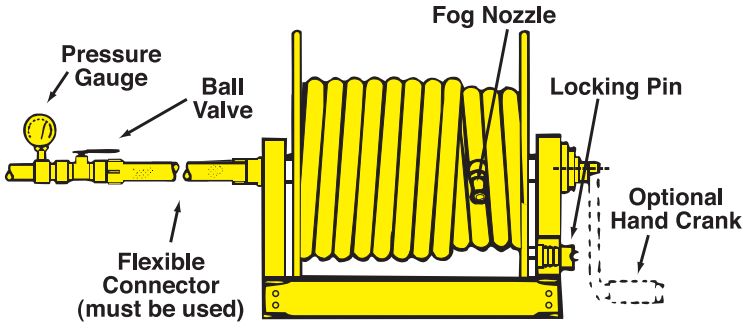
Specification

- Female NPT inlet with male NST (NH) hose thread outlet

A flexible connector assembly must be installed directly between the hose reel inlet hub and the water supply. Failure to use the flexible connector assembly will void the warranty.







Hose Size and Capacity			A	B	C	D	E	F	G	Inlet Size	Outlet Size	Steel Part #
3/4"	1"	1-1/2"										
150'	125'	---	10-1/2"	11-1/2"	24"	19-1/4"	24"	21-3/4"	26"	1"	1"	CFR47-1-100
250'	150'	100'	10-1/2"	20-1/2"	24"	28-1/4"	33"	21-3/4"	26"	1-1/2"	1-1/2"	CFR47-150-100
400'	300'	150'	10-1/2"	28"	24"	35-3/4"	40-1/2"	21-3/4"	26"	1-1/2"	1-1/2"	CFR47-1-200
---	---	200'	10-1/2"	34"	24"	41-3/4"	46-1/2"	21-3/4"	26"	1-1/2"	1-1/2"	CFR47-150-200

N

Optional Accessories

Description	Part #
1" x 18" flexible connector (male NPT x male NPT)	DX2836
1-1/2" x 18" flexible connector (male NPT x male NPT)	DX2839
hand crank	CFR-HC
repair kit: contains O-ring, PTFE retaining ring for the inlet casting, spacer washer, and (2) steel retaining rings for the manifold	CFR-RK

Covers for Continuous Flow Hose Reels

Cover for	Dimensions H x W x D	Vinyl Part #
CFR47-1-100	26" x 20" x 26"	CFR47-C1
CFR47-1-200	26" x 36" x 26"	CFR47-C2
CFR47-150-100	26" x 29" x 26"	CFR47-C3
CFR47-150-200	26" x 42" x 26"	CFR47-C4

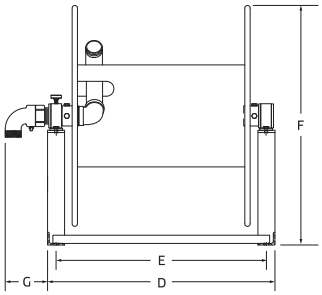
Carbon Steel Hose Reels

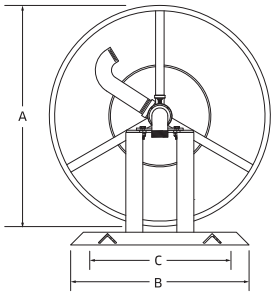
Sizes
- 24" stand
- Inlet: brass 1-1/2" MNPT 90° swivel
- Outlet: brass 1-1/2" MNST gooseneck
- 1-1/2" non-collapsible UVX hose (up to 150')

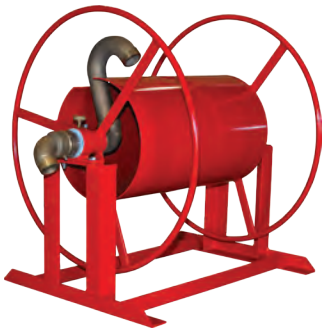
Features
- Friction brake
- Left hand inlet
- Right hand inlet
- Red hose reel cover (hose not included)
- Natural, galvanized finish or red powder coated
- Made in USA
- Custom colors available; contact Dixon®

Materials
- Reel and frame: heavy-duty welded carbon steel, hot dipped galvanized
- Waterway: brass and stainless steel
- Hardware: 316L stainless steel
- Bearings: greaseless polyethylene
- Hose roller assembly (aluminum or stainless steel brackets)
- Manual rewind hand crank (stainless steel with polyethylene handle)

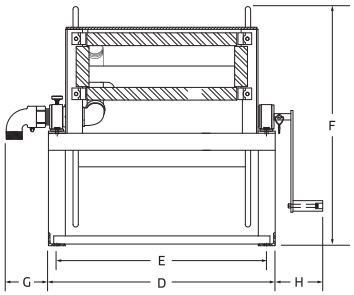
Specifications
- Maximum working water pressure: **200 PSI**
- Inlet: brass 1-1/2" FNPT straight swivel inlet

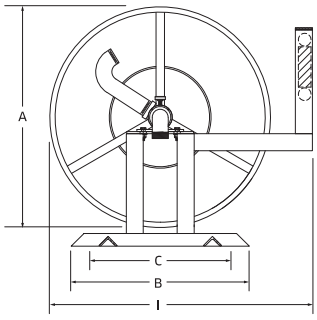


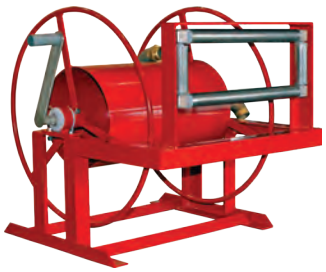




HDR150-100PCR







HDR150-100PCRAC

N

Hose Capacity		Dimensions								
		A	B	C	D	E	F	G	H	I
3/4"	0-250'	26"	21"	17"	26"	24-3/4"	29-3/16"	5"	5-9/16"	31"
1"	0-200'									
1-1/2"	0-150'									

Description	Part #
standard features, galvanized and powder coated (red) finish	HDR150-100PCR
hose roller assembly (aluminum), hand crank, galvanized and powder coated (red) finish	HDR150-100PCRAC
continuous flow reel cover	HDR150-C1

Hump Racks

Features

- Compact, neat, and economical method of storing collapsible hose
- Pivot mounting permits rack to swing, preventing kinks and twists
- Rugged steel construction provides long, dependable service
- Red enamel finish for protection
- Open sides allow faster drying to prevent mold and mildew
- Wall mounting brackets are standard

Hose Size	Hose Capacity			Steel Part #
	Synthetic	Single Jacket	Double Jacket	
1-1/2" - 1-3/4"	100'	50'	---	FHHR-1
	150'	100'	50'	FHHR-3
2" - 2-1/2"	100'	50'	---	FHHR-2
	150'	100'	50'	FHHR-4
1-1/2" - 1-3/4"	200'	150'	100'	FHHR-5

Covers for Hump Racks

Cover for	Dimensions	Vinyl Part #
FHHR-1 or FHHR-2	16" x 25-1/2" x 6"	FHHR-C
FHHR-3 or FHHR-4	24" x 29-1/2" x 6"	FHHR-C4
FHHR-5	33-1/2" x 35-1/2" x 6"	FHHR-C5

Hose Racks

Features

- Can be used for fire or water hose
- Provides compact and economical hose storage
- Curved saddle design avoids sharp bends in the hose prolonging hose life
- Red enamel finish

Material

- Constructed from 12 gauge sheet steel

Hose Size	Hose Capacity			Steel Part #
	Rack	Single Jacket	Double Jacket	
1-1/2" - 1-3/4"	50'	---	---	HR1610-3
	100'	---	---	HR1610-6
1-1/2" - 2-1/2"	200'	150'	100'	HR1610
2" - 2-1/2"	50'	---	---	HR1610-4

Pin Rack Hose Assembly

Specification
- Components include: rack nipple, UL **300 PSI** angle valve, semi-automatic fire hose pin rack, brass rack nozzle, and a length of 1-1/2" pin rack hose

Approvals
- UL listed and Factory Mutual approved
- Per NFPA 1962, Chap. 4, in-service hose shall be un-racked and physically inspected at least annually

NST (NH) Thread	Hose	Part #
1-1/2"	50'	FHPR150-50RBF
	75'	FHPR150-75RBF
	100'	FHPR150-100RBF

Semi Automatic Fire Hose Pin Racks

Features
- Red enameled steel
- Holds up to 100' of either 1-1/2" or 2-1/2" rack hose

Approval
- 1-1/2" is UL listed and Factory Mutual approved only with rack hose from page 769

Hose Size	For use with		Steel Part #
	Valve	Nipple	
1-1/2"	AVF150	PRN150F	FHPR150
2-1/2"	AVF250	PRN250F	FHPR2515

Covers for Pin Racks

Application
- Used on FHPR150, FHPR150-50CBF, FHPR150-75CBF, FHPR150-100CBF

Feature
- 10 oz. red vinyl with Velcro® closures

Size	Vinyl Part #
25" x 30" x 6"	PRC

Pin Rack Nipples

Material
- Finish: -C polished chrome plated

Male NPT	Male NST (NH)	Brass Part #
1-1/2"	1-1/2"	PRN150F
2-1/2"	2-1/2"	PRN250F

Pin Rack Wall Bracket

Application
- Used to support hose rack independent of a stand pipe valve

Aluminum Part #
PRWB

FM

Steel Hose Cabinet

Features
- Designed for wall installation, with or without legs, or free standing
- Supplied with holes in the back for wall mounting and 1" pipe couplings on the bottom for adding legs
- Hose, accessories, and mounting hardware not included
- Furnished without legs; HC30143-PL[2] (see equipment table below)

Material
- Red polyester coated finish on 18-gauge steel

Approval
- Factory Mutual approved

Steel Part #
HC30143

Dimensions

Width	Depth	Height
60"	15"	48"

Basic Approved Equipment for Hose Cabinet

Examples			Quantity Required		
Part #	Description	Page #	Factory Mutual	UL and FIA	ISO
A525-50RAF[1]	2-1/2" x 50' single jacket hose	766	4	5	5
A515-50RAF[1]	1-1/2" x 50' single jacket hose	766	2	0	0
UPP250F[1]	Underwriters play pipe	806	0	2	2
BFN250NST[1]	2-1/2" adjustable fog nozzle	794	2	0	0
HA2515F[1]	2-1/2" x 1-1/2" pin lug adapter	815	1	0	0
233	universal spanner	843	4	5	5
189	adjustable hydrant wrench	844	2	2	2
PHFA6	6 lb. fire axe	865	0	1	1
FCB48	crowbar	---	0	1	1
SW150[1]	1-1/2" hose coupling gasket	782, 783, 805, 829	4	5	5
SW250[1]	2-1/2" hose coupling gasket	782, 783, 805, 829, 836	2	0	0
HC30143-PL[2]	1" x 18" pipe leg (must order 4)	---	4	4	4

[1] Threads must be appropriate to the authority having jurisdiction
[2] Optional accessories

N

Fire Jacket for Hose

Application
- Used to protect hose and hose assemblies, tubing, piping, wiring and cables from high temperatures, direct flame, or molten splash

Features
- Helps maintain line temperature and reduce environmental overheating and overcooling
- Sleeving slides easily over hose and expands to go over fittings
- Resistant to hydraulic fluids and lubricating oil
- Iron oxide red color
- Supplied in 50' lengths
- Made in USA

Material
- Compounded silicone rubber coating over fiberglass

Specifications
- Temperature range: **-65°F** to **500°F** **(-54°C** to **260°C)**

Approvals
- Completely non-asbestos, REACH - RoHS compliant
- Meets flammability requirements of UL 94 HB and UL 94 V-0

Nominal I.D.	Part #
1/4"	0610-4
3/8"	1010-6
1/2"	1310-8
5/8"	1610-10
3/4"	1910-12
7/8"	2210-14
1"	2510-16
1-1/4"	3210-20
1-1/2"	3810-24
1-3/4"	4510-28
2"	5110-32
2-1/2"	6410-40
3"	7610-48
4"	10210-64

Fire Jacket Tape

Application
- Used to seal the ends of fire jackets to prevent fraying and fluid wicking

Features
- Completely non-asbestos
- Iron oxide red color
- Made in USA

Specification
- Temperature range: **-45°F** to **380°F** **(-45°C** to **200°C)**

Size	Length	Silicone Rubber Part #
1"	12 yards	FTH100

Non-Adhesive Fire Tape

Features
- Fluid resistant to hydraulic fluids and lubricating oils
- Should be installed in a spiral wrap utilizing 30% to 50% overlap
- Iron oxide red color
- Made in the USA

Specification
- Temperature range: **-65°F** to **500°F** **(-54°C** to **260°C)**

Width	Length	Fiberglass Coated Silicone Rubber Part #
3"	50'	4055-3

Bumpered Fog Nozzles

Features
- Basic spray nozzle, capable of straight stream and fog spray pattern
- Twist shut-off and spray pattern change
- Supplied with a bumper

Specification
- Maximum rated pressure: **175 PSI**

BBN75

Size	Thread	Rated Flow at Wide Open: GPM at 100 PSI	FM/UL/ULC Listed for class A and B Fires Brass Part #	Unlisted Brass Part #
3/4"	GHT	**51**	BBN75GHT	BBN75GHT-NL[1, 2]
	NPSH		BBN75	BBN75-NL[1, 2]
1"	NPSH	**54**	BBN100	BBN100-NL[1, 2]
	NST		BBN100NST	BBN100NST-NL[1, 2]

[1] Not UL listed
[2] Not Factory Mutual approved
NOTE: Replacement washers can be found on page 782

Industrial Fog Nozzles

Features
- Delivers 30°, 60°, and 90° fog pattern – shut-off – straight stream – fog
- Supplied with bumper

Specification
- Maximum rated pressure: **175 PSI** (water only) at **70°F (21°C)**

BFN150

BFN200

Size	Thread	Rated Flow at Wide Open: GPM at 100 PSI	FM and UL Listed for class A and B Fires (except noted [1, 2]) Brass Part #	Unlisted Brass Part #
1-1/2"	NPSH	**97**	BFN150	BFN150-NL [1, 2]
			BFN150NST	BFN150NST-NL [1, 2]
2"		**93**	---	BFN200 [1, 2]
2-1/2"		**205**	BFN250 [2]	BFN250-NL [1, 2]
2-1/2"	NST (NH)	**205**	BFN250NST [2]	BFN250NST-NL [1, 2]

[1] Not UL listed
[2] Not Factory Mutual approved
NOTE: Replacement washers can be found on page 782.

Heavy Duty Industrial Fog Nozzles

FM

Features
- Basic spray nozzle, capable of straight stream and fog spray pattern
- Twist shut-off and spray pattern change
- Supplied with bumper

Specification
- Maximum rated pressure: **175 PSI** (water only) at **70°F (21°C)**

Approvals
- Factory Mutual approved
- NFPA 1960 compliant

Size	Thread	Wide Open: GPM at 100 PSI	Brass Part #
1"	NPSH	**58**	HFN100-FM
1-1/2"		**102**	HFN150-FM
1"	NST (NH)	**58**	HFN100NST-FM
1-1/2"		**102**	HFN150NST-FM
	NYFD	**102**	HFN150NYFD-FM

NOTE: Replacement washers can be found on page 782.

High Pressure Industrial Fog Nozzles

FM

Features
- Combination straight stream and fog – shut-off – straight stream – fog
- Large one-piece rubber bumper with molded teeth
- Knurled base

Specifications
- Maximum rated pressure: **300 PSI** (water only) at **70°F (21°C)**

Approval
- Factory Mutual approved

Size	Thread	Wide Open: GPM at 100 PSI	Brass Part #
1-1/2"	NPSH	**94**	HPFN150
	NST (NH)		HPFN150NST

NOTE: Replacement washers can be found on page 782.

Electrical Fire All-Fog Nozzles

c UL us LISTED

Features
- Basic spray nozzle, capable of 30° to 100° fog spray pattern
- Supplied with bumper
- Use of this nozzle is not likely to prove hazardous when nozzle is held in excess of 10 feet from electrical apparatus and circuits not involving more than 250,000 volts

Specification
- Maximum rated pressure: **175 PSI** (water only) at **70°F (21°C)**

Approval
- UL listed approved for class C fires

Size	Thread	Wide Open: GPM at 100 PSI	Brass Part #
1-1/2"	NST (NH)	**96**	BFNE150NST-UL
	NPSH		BFNE150-UL

NOTE: Replacement washers can be found on page 782.

Domestic Rack Nozzles

c UL us LISTED FM

Features
- Basic spray nozzle, capable of straight stream and fog spray pattern
- Twist shut-off and spray pattern change
- Supplied without bumper

Specification
- Maximum rated pressure: **175 PSI** (water only) at **70°F (21°C)**

Approvals
- UL listed and Factory Mutual approved for class A and B fires
- NFPA 1960 compliant

Size	Thread	Wide Open: GPM at 100 PSI	Brass Part #
1-1/2"	NST (NH)	**100**	BRN150NST
	NPSH		BRN150

NOTE: Replacement washers can be found on page 783.

N

Fog Nozzles

FNB75GHT

without bumper-FN150NST

with bumper-FNB150NST

FNB150NST-D

FNB150S-D

Features
- Shutoff – straight stream – fog
- Brass stem

Specification
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

Size	Thread	Rated Flow at Wide Open: GPM at 100 PSI	Polycarbonate [1] Part #	Polycarbonate [2] Part #
3/4"	GHT	**8.0**	FNB75GHT[3]	---
3/4"	NPSH	**30.9**	FNB75S	---
1"	NPSH	**11.4**	FNB100S	FN100S
1"	NPSH	**30.9**	HGB100S	---
1-1/2"	NPSH	**83.6**	FNB150S	FN150S
1-1/2"	NPSH	**83.6**	FNB150S-D	---
1"	NST (NH)	**11.4**	FNB100NST	FN100NST
1"	NST (NH)	**30.9**	HGB100NST	---
1-1/2"	NST	**83.6**	FNB150NST-D	---
1-1/2"	NST (NH)	**83.6**	FNB150NST	FN150NST

[1] With bumper
[2] Without bumper
[3] Standard flow
NOTE: Replacement washers can be found on page 797.

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Value Proposition

1916 DIXON 2026
110 YEARS OF UNCOMMON EXCELLENCE®

Dixon is committed to **delighting our customers** by being the easiest company they do business with every day.

Factory Mutual Approved Fog Nozzles

Features
- Shutoff – straight stream – fog
- Wings on sleeve for ease of adjustment

Material
- Stem: brass with locking nut

Specification
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

Approval
- Factory Mutual approved

with bumper
(SL150 and SL150NST)

with bumper

without bumper

Domestic

Size	Thread	Rated Flow at Wide Open: GPM at 100 PSI	FM Approved Polycarbonate Domestic Part #
3/4"	GHT	**43.0**	SL075GHT[1]
	NPSH	**43.0**	SL075[1]
1"	NPSH	**43.0**	SL100[1]
1-1/2"	NPSH	**73.0**	SL150[1, 3]
1-1/2"	NPSH	**73.0**	SL150-NB[2, 3]
1"	NST (NH)	**43.0**	SL100NST[1, 2]
1-1/2"	NST (NH)	**73.0**	SL150NST[1,3]

Global

Size	Thread	Rated Flow at Wide Open: GPM at 100 PSI	Polycarbonate Global Part #
1"	NPSH	**43.0**	PFNB100S[1, 2, 3]
1-1/2"	NPSH	**73.0**	PFNB150S[1, 2, 3]
1-1/2"	NST (NH)	**73.0**	PFNB150NST[1, 2, 3]

[1] With bumper
[2] Without bumper
[3] Not Factory Mutual approved

Polycarbonate Electrical Fire All-Fog Nozzles

Feature
- Opens and closes in a 30° fog pattern up to 120° – no straight stream

Material
- Stem: brass

Specification
- Maximum operating pressure: **100 PSI** (water only) at **70˚F (21˚C)**

Size	Thread	75° Spray GPM at 100 PSI	Polycarbonate Part #
1-1/2"	NPSH	**92**	FNBE150S
	NST (NH)		FNBE150NST

Fog Nozzle Gaskets

Size	Thread	I.D.	O.D.	Thickness	Nitrile Rubber Part #
1"	NPSH	0.937"	1.234"	0.125"	FNG100S
		1.000"	1.375"	0.125"	HGG100S
1-1/2"	NPSH	1.500"	1.827"	0.125"	FNG150S
1"	NST (NH)	0.937"	1.281"	0.125"	FNG100NST
		1.000"	1.375"	0.125"	HGG100NST
1-1/2"	NST (NH)	1.510"	1.906"	0.125"	FNG150NST

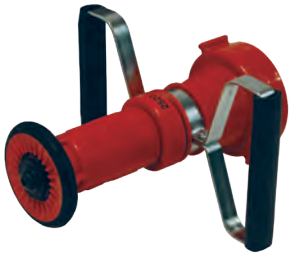
NOTE: Dimensions are nominal.

Constant Flow Fog Nozzles

Features
- Provides consistent volume at any spray angle
- Adjusts from straight stream to fog

Specification
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

Materials
- Red polycarbonate with bumper, black plastic and steel stem



2-1/2" nozzle with handles

1-1/2" nozzle

Size	Thread	90° Spray GPM at 100 PSI	Polycarbonate Part #
3/4"	GHT	**8**	CFB75GHT
1"	NPSH	**22**	CFB100S
1-1/2"	NPSH	**75**	CFB150S[1]
		150	HGCFB150S[2]
2"	NPSH	**75**	CFB2015S[1]
		150	CFB200S[2]
1"	NST (NH)	**22**	CFB100NST
1-1/2"	NST (NH)	**75**	CFB150NST[1]
		150	HGCFB150NST[2]
2-1/2"	NST (NH)	**150**	CFB250NST[3]

[1] Standard flow
[2] High flow
[3] Provided with handles

NOTE: Gaskets located below:
NYF– New York Fire Dept. Thread 1" (2.100 ODM X 8 TPI), 2-1/2" (3.030 ODM X 8 TPI)
CF – Chicago Fire Dept. Thread 1-1/2" (1.933 ODM X 11.5 TPI), 2-1/2" (2.990 ODM X 7.5 TPI)
NYC– New York Corporation Thread 1-1/2" (2.093 ODM X 11 TPI), 2-1/2" (3.000 ODM X 8 TPI)
Also available CSA, BAT, NSS

Blue Refinery Fog Nozzles

Features
- Provides consistent volume at any spray angle
- Adjusts from straight stream to fog
- Resistant to petrochemicals

Specification
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

Materials
- Glass-filled
- Blue polycarbonate with bumper, black plastic and steel stem

Size	Thread	90° Spray GPM at 100 PSI	Polycarbonate Part #
1-1/2"	NPSH	**75**	RNB150S
	NST (NH)	**75**	RNB150NST

Gaskets

Application
- Used on constant flow and refinery fog nozzles

Size	Thread	I.D.	O.D.	Thickness	Nitrile Rubber Part #
1"	NPSH	0.900"	1.270"	0.125"	CFG100S
1-1/2"		1.510"	1.878"	0.125"	CFG150S
2"		1.680"	2.340"	0.156"	CFG200S
1"	NST (NH)	0.900"	1.270"	0.125"	CFG100NST
1-1/2"		1.510"	1.906"	0.125"	CFG150NST
2-1/2"		2.250"	3.000"	0.187"	CFG250NST

NOTE: Dimensions are nominal.

Constant Flow Fog Nozzles

Features
- Rugged, lightweight, corrosion resistant
- Supplied without bumper

Specification
- For use up to **100 PSI** (water only)

Size	Thread	GPM at 100 PSI	6061-T6 Aluminum Part #
1-1/2"	NPSH	60	AFN150
	NST		AFN150NST

Fiberglass Reinforced Constant Flow Fog Nozzles

Size	Thread	Length	GPM at 100 PSI	Fiberglass Reinforced Composite Part #
1-1/2"	NPSH	5"	95	CFFR150
	NST (NH)			CFFR150NST

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Break Apart Attack Nozzles

Application
- Low-cost, versatile, and easy-to-use nozzle for first responders in rural and suburban fire departments

Features
- Minimal training required to connect and operate the nozzle
- Nozzle can be separated from the shut off valve for extended hose lays and other uses
- Uses a dual range nozzle tip

Specification
- Nozzle uses a 1-1/2" coupler, ABN100 provides **10-30 GPM** fog or straight-stream flows at **100 PSI;** ABN150 provides **20-90 GPM** fog or straight-stream flows at **100 PSI**

Size	Thread	Aluminum Part #
1"	NPSH	ABN100S
	NST (NH)	ABN100F
1-1/2"	NPSH	ABN150S
	NST (NH)	ABN150F

Ball Shut-Off Nozzles – Bolted

Features
- Rugged and lightweight
- Pistol grip
- Hardcoated female swivel inlet and male outlet

Specification
- Maximum operating pressure: **200 PSI** (water only) at **70°F (21°C)**

Size	Thread	Waterway	Cast Aluminum Part #
1-1/2"	NST (NH)	1-3/8"	ACPSO150F
	NPSH		ACPSO150

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Global Forestry Fog Nozzles

Size	Thread	GPM at 100 PSI Straight Stream		GPM at 100 PSI Fog	Anodized Aluminum Part #
		1st	2nd		
1-1/2"	NPSH	**23.8**	**73.9**	**105**	GFN150
	NST (NH)	**37.6**	**95.0**		GFN150NST

Forestry Fog Nozzles

Features
- Maroon hard-coated barrel allows for easy identification
- Corrosion resistant plated
- Dual flow rate nozzles offer two fog patterns
- Meets Forest Service Specifications (FSS)

Specification
- Maximum operating pressure: **600 PSI** (water only) at **70°F (21°C)**

FFN75GHT

FFN100

FFN150

Size	Thread	GPM at 100 PSI		6061-T6 Aluminum Part #
		1st	2nd	
3/4"	GHT	**10**	**30**	FFN75GHT[1]
1"	NPSH	**12**	**25**	FFN100
1-1/2"	NPSH	**25**	**70**	FFN150
1"	NST (NH)	**12**	**25**	FFN100NST
1-1/2"	NST (NH)	**25**	**70**	FFN150NST

[1] **GPM** at **40 PSI**

Forestry Grade Ball Shutoff Valves

Feature
- Hardcoated threads, acetal ball, and rigid inlet
- Meets Forest Service Specifications (FSS)

Specification
- Maximum operating pressure: **600 PSI** at ambient temperature **70°F (21°C)**

Size	Thread	Waterway	Anodized Aluminum Part #
1"	NPSH	3/4"	FBSO100S
1-1/2"		1"	FBSO150S
1"	NST (NH)	3/4"	FBSO100F
1-1/2"		1"	FBSO150F

Forestry Grade Ball Shutoff Pistol Grips

Features
- Hardcoated threads, acetal ball, and full time live swivel inlet

Approvals
- NFPA1964 compliant
- FSS specification 5100-238

Specification
- Maximum operating pressure: **600 PSI** at ambient temperature **70°F (21°C)**

Size	Thread	Waterway	Anodized Aluminum Part #
1"	NPSH	3/4"	FBSO100S-PG
1-1/2"		1"	FBSO150S-PG
1"	NST (NH)	3/4"	FBSO100F-PG
1-1/2"		1"	FBSO150F-PG

Ball Shutoff Nozzle Tips

Size
- 1/2" orifice standard; other sizes available, contact Dixon®

Feature
- Lightweight

Specification
- Maximum operating pressure: **200 PSI** (water only) at ambient temperature **70°F (21°C)**

NPSH

NST

Size	Thread	Length	Orifice	Anodized Aluminum Part #
1"	NPSH	4"	1/2"	ANT100
1-1/2"		4-3/4"		ANT150
1"	NST (NH)	4"		ANT100F
1-1/2"		4-3/4"		ANT150F

NOTE: Gaskets are special order, please call 877.712.6179 for assistance.

Penetrator Nozzles

Feature
- 1/4" discharge orifice generates a high velocity water jet that is effective against deep seated wildland fires

Specifications
- Maximum operating pressure: **200 PSI** (water only) at ambient temperature **70°F (21°C)**
- Designed with standard 1-1/2" NPSH male hose threads that are converted to female thread for connection to the hose using a double female rigid connector

Size	Thread	Length	Orifice	Polycarbonate Part #
1-1/2"	NPSH	5-1/2"	1/4"	PFN4005S
	NST (NH)			PFN4005F

Twin Tip Straight Stream Forestry Nozzles

Size
- Solid, one-piece reversible twin tip has 1/4" and 3/8" orifices

Material
- Molded, high-strength red polycarbonate

Specification
- Maximum operating pressure: **100 PSI** (water only) at ambient temperature **70°F (21°C)**

Size	Thread	Length with tip	Length without tip	Orifice of base nozzle	Polycarbonate Part #
1-1/2"	NPSH	9"	7-1/2"	1/2"	PTTF150S
	NST (NH)				PTTF150F

Ball Shut-Off with Nozzle

Features
- Flexible design allows nozzle tip to be detached so a mating foam inductor can be inserted between the tip and shut-off valve
- Lightweight
- Black pistol grip shutoff with nozzle

Specification
- Maximum operating pressure: **150 PSI** (water or AFFF only) at **70°F (21°C)**

Size	Body Color	Thread	GPM	Polycarbonate Part #
1-1/2"	red	NPSH	**30**	FNPSO150S-30
1-1/2"			**70**	FNPSO150S-70

Ball Shut-Off with Pistol Grips

Feature
- Lightweight

Specification
- Maximum operating pressure: **150 PSI** (water or AFFF only) at ambient temperature **70°F (21°C)**

Size	Thread	Polycarbonate Part #
1-1/2"	NPSH	PPSO150S
	NST (NH)	PPSO150F

Viper® Ball Shut Off

Features
- 1" or 1-1/2" pistol grip shut off
- Forestry, municipal, or industrial use
- Full-time swiveled female inlet

Specifications
- Standard operating pressure: **100 PSI**
- Working pressure: **300 PSI**

Materials
- Constructed of hard anodized aluminum
- Handle is made of composite material

Size	Thread	Anodized Aluminum Part #
1"	NST (NH)	DVB1560F
	NPSH	DVB1560S
1-1/2"	NST (NH)	DVB3012F
	NPSH	DVB3012S

Dual Range Nozzles/Tips

Applications
- Ideal for forestry, fire fighting, and industrial uses

Features
- Adjustable from fog, to straight, or off with twist shut off
- Heavy duty rubber bumper

Materials
- Dual flow nozzles are constructed of hard anodized aluminum and stainless steel internal components

Specifications
- Standard operating pressure: **100 PSI**
- Working pressure: **600 PSI** maximum

Size	Thread	GPM at 100 PSI	Anodized Aluminum Part #
1"	NST without bumper	10 - 23	D11023BLF
	NPSH without bumper		D11023BLS
	NST with bumper		DB11023F
	NPSH with bumper		DB11023S
1.5"	NST with bumper	20 - 60	D156020F
	NPSH with bumper		D156020S

Blue Devil® Select Gallonage Nozzles

Features
- Rylostatic teeth directly machined to the nozzle
- Four gallonage selection rings **5**, **10**, **25,** and **50 GPM** and flush without pattern change

Specifications
- Standard operating pressure: **100 PSI**
- Maximum pressure: **580 PSI**

Approvals
- NFPA 1964 Compliant
- EN 15182-2 TYPE 3 certified

Size	Thread	GPM at 100 PSI	Part #
1"	NST	5 - 50	DBD550F
	NPSH		DBD550S
	NST	15 - 60	DBD1560F
	NPSH		DBD1560S

Viper® Select Gallonage Nozzles

Feature
- Four gallonage selection rings **30**, **60**, **90,** and **125 GPM**

Material
- Constructed of E-Lite® aluminum and brass internals

Specification
- Standard operating pressure **300 PSI** maximum

Size	Thread	GPM at 100 PSI	Part #
1-1/2"	NST	**30 - 125**	DSG3012F
	NPSH		DSG3012S

Feature
- Four gallonage selection rings **15**, **30**, **50,** and **60 GPM**

Size	Thread	GPM at 100 PSI	Part #
1-1/2"	NST	**15 - 60**	DSG1560F
	NPSH		DSG1560S

Viper Select Gallonage Low Flow Nozzles

Features
- Four gallonage selection rings **5**, **10**, **25,** and **40 GPM**
- Available without pistol grip

Material
- Constructed of E-Lite aluminum and brass internals

Specification
- Standard operating pressure **300 PSI** maximum

Size	Thread	GPM at 100 PSI	Part #
1"	NST	**5 - 40**	DSG540F
	NPSH		DSG540S

Viper Constant Gallonage Nozzles

Features
- Full-time swivels and spinning teeth
- BIMATIC flush system allows flush without shutting down
- Removable pistol grip

Material
- Constructed of E-Lite aluminum and brass internals

Specification
- Standard operating pressure: **100 PSI** (optional pressures of **50** or **75 PSI**)

Approvals
- EN 15182-2 TYPE 3 certified
- NFPA 1964 Compliant

Size	Thread	GPM at 100 PSI	Part #
1-1/2"	NST	**60 - 95**	DVS95F
	NPSH		DVS95S
2-1/2"	NST	**150 - 200**	DVS250F
	NPSH		DVS250S

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Ball Shut-Offs

Feature
- Full-time swivel base ensures durable rubber-like handle can be positioned for easy operation

Specification
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

Thread	Length	Waterway	Cast Brass Part #
1-1/2" NST (NH)	4-3/4"	1-3/8"	BSO150F

Replacement Part

Description	Composite Part #
replacement handle	BSO150-H

Nozzle Tips

Feature
- Straight stream only

Specifications
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**
- **74 GPM** at **100 PSI**

Thread	Length	Orifice	Satin Finish Brass Part #
1" NST (NH)	4-3/4"	1/2"	BNT100F
1" NPSH			BNT100S
1-1/2" NST (NH)	5"		BNT150F
1-1/2" NPSH			BNT150S

Plain Hose Nozzles

Specification
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

Size	Thread	Overall Length	Orifice	Replacement Gasket	Satin Finish Brass	
					Previous Part #	Part #
3/4"	GHT	6"	1/4"	KRW5	500SN6	BN6
	NPSH	6"	1/4"	KRW5	---	BN7
1"	NPSH	8"	5/16"	KRW10	---	BN10
1-1/4"	NPSH	10"	3/8"	KRW15	---	BN12
1-1/2"	NPSH	10"	1/2"	KRW20	---	BN15
2"	NPSH	12"	9/16"	SW200	---	BN20
2-1/2"	NPSH	12"	1"	KRW35	---	BN25
1"	NST (NH)	8"	5/16"	SW100F	---	BN10F
1-1/2"	NST (NH)	10"	1/2"	SW150	---	BN15F
2-1/2"	NST (NH)	12"	1"	SW250	---	BN25F
1-1/2"	NYFD	10"	1/2"	SW150	---	BN15NYFD
2-1/2"	NYFD	12"	1"	SW250	---	BN25NYFD

Imported Twist Nozzles

Specification
- Maximum operating pressure **150 PSI** (water only)

Thread Size	Length	Extruded Brass	
		Previous Part #	Part #
3/4" GHT	4"	---	BTN75
			500AN4
	6-3/4"	500-AN7	500AN7

Red Plain Hose Nozzles

Specification
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

Size	Thread	Length	Orifice	Polycarbonate Part #
1-1/2"	NPSH	10"	1/2"	PN15
	NST (NH)			PN15F

UL Play Pipes with Tip

Application
- Often required in hydrant houses by insurance underwriters

Features
- Swivel handle, red marlin trim
- Comes standard with 1-1/8" orifice tip

Specification
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

Approvals
- UL listed and Factory Mutual approved
- ULT male thread specification: 2-3/16" ODM x 12 TPI

Size	Female Thread	Male Thread	Overall Length	Brass Part #
2-1/2"	NST (NH)	ULT	30"	UPP250F
playpipe only				UPP250F-SPEC

Tips

Feature
- Finish: satin

Specification
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

Approval
- ULT male thread specification: 2-3/16" ODM x 12 TPI

Orifice	Cast Brass Part #
1-1/8"	UPPT
1-1/4"	UPPT125
1-1/2"	UPPT150
1-3/4"	UPPT175

Street Cleaning Nozzles

Feature
- Welded fabrication

Size	Connection	Aluminum Part #
2"	female cam	200DBAL
3"	female cam	300DBAL

U.S. Coast Guard Approved AFFF/Water Fog Nozzles

Application
- Designed for maximum efficiency with AFFF (Aqueous Film Forming Foams) or water on shipboard, offshore rigs, and industrial applications

Features
- Corrosion resistant brass construction
- Rubber-like bumper and handle for added protection
- Zytel™ (nylon) horseshoe handle
- Double row of molded teeth for excellent fog pattern
- Flush without shutting down
- Constant gallonage in all fog and straight stream patterns
- Combination fog and straight stream

CGSN150F

Specification
- Maximum operating pressure: **100 PSI** (water/AFFF only) at **70°F (21°C)**

CGSN151F

Thread NST (NH)	Description	Fog Flow GPM at 100 PSI	Coast Guard Approval #	Brass Part #
1-1/2"	nozzle	**95**	162.027/16/0	CGSN150F
	nozzle w/pistol grip		162.027/15/0	CGSN151F

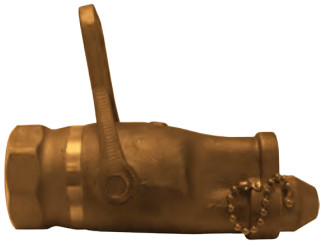
NOTE: Gaskets are special order. Please call 877.712.6179 for assistance.

Thread NPSH	Description	Fog Flow GPM at 100 PSI	Navy Approval #	Brass Part #
1-1/2"	nozzle	**95**	NSN 4210-00-465-1906	CGSN150S
	nozzle w/pistol grip		MIL-N-24408E TY1-T1-1	CGSN151S

U.S. Coast Guard Approved Fog Nozzles

Application
- Designed to U.S. Coast Guard specifications for fighting fires with drafted water; required equipment for all commercial vessels under U.S. registry

Features
- Corrosion-resistant brass construction
- Combination fog and straight stream for shipboard fire fighting
- Applicator tips are available; consult Dixon® for pricing and availability



Specification
- Maximum operating pressure: **100 PSI** (water/AFFF only) at **70°F (21°C)**

Thread	Fog Flow GPM at 100 PSI	Cast Brass Part #
1-1/2" NST	**55**	CGN150NST
2-1/2" NST	**108**	CGN250NST

NOTE: Gaskets are special order. Please call 877.712.6179 for assistance.

Size	Description	Part #
1-1/2"	replacement tip	CGN150-TIP

FM

Omega™ Monitor

Features
- Cast-in turning vanes for a more efficient flow
- 360° horizontal and 150° vertical travel
- 4-bolt hole pattern on flange

Specification
- Friction loss: **10 PSI** at **800 GPM** (.7 bar at 3030 LPM)

Approval
- Factory Mutual approved

Size	Inlet	Outlet	Waterway	Flow GPM	Brass Part #
17" x 11-1/2"	3" flange	2-1/2" MNST	3"	**1250**	AK3526-300FL

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

Monitor Nozzle

Features
- Fixed teeth
- Combination straight stream and fog – no shutoff
- Fixed gallonage master stream nozzle

Specifications
- Factory set at **500 GPM** (1900 LPM); field changeable to **300** or **700 GPM** (1140 or 2660 LPM)
- Maximum operating pressure: **100 PSI** (water only)

Size	Thread	90° Spray GPM at 100 PSI	Brass Part #
2-1/2"	NST (NH)	**500**	AK4450NST

NOTE: Gaskets are special order, please call 877.712.6179 for assistance.

FM

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FirePro™ Monitor

Features
- 360° horizontal and 140° vertical travel
- Red epoxy finish standard
- 150# ASA raised face 4" flange

Specification
- Seamless 2-1/2" monitor – rated at **750 GPM**

Approval
- Factory Mutual approved

Materials
- Carbon steel construction, stainless steel discharge tip and ball bearings

Size	Inlet	Outlet	Waterway	Flow GPM	Carbon Steel Part #
22" x 13"	4" flange	2-1/2" MNST	2-1/2"	**750**	FP475S

NOTES: Gaskets are special order, please call 877.712.6179 for assistance.
For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Master Stream Nozzles

FM

Features
- Featuring a straight stream to fog 'quick throw' pattern change
- Constant gallonage
- No shut-off

Specification
- Factory set at **500 GPM**

Size	Thread	Material	Part #
2-1/2"	NST (NH)	brass	FP500BCG[1]
		aluminum	FP500ACG[2]

[1] Factory Mutual approved
[2] Not Factory Mutual approved
NOTE: Gaskets are special order, please call 877.712.6179 for assistance.

Adjust-A-Power Nozzle

Features
- Ideal for patio, auto and boat, driveway and garden
- Produces 50% more power than twist nozzles
- Does not require a washer
- Leave nozzle in the open position when not in use
- Brass construction with stainless steel bearings
- Maximum operating pressure: **100 PSI** (water only) at ambient temperature **70°F (21°C)**

GHT Thread	Brass Part #
3/4"	AAPN75GHT

Constant Flow Nozzle Displays

FNB75GHT-GD

CNB75GHT-GD

Features
- Shatterproof and UV resistant polycarbonate withstands tough environmental conditions
- Seals used for true water shut off
- Easy twist spray pattern adjustment
- Sold in case quantity only (25 per case), with display

GHT Thread	45° Spray GPM at 100 PSI	Color	Part #
3/4"	**25.1**	green	FNB75GHT-GD
	25.1	clear	CNB75GHT-GD

Constant Flow Nozzles with Bumper

Feature
- Can be used as a replacement nozzle in the display case FNB75GHT-GD

Domestic

GHT Thread	45° Spray GPM at 100 PSI	Color	Part #
3/4"	**25.1**	green	GNB75GHT

GNB75GHT

Global

GHT Thread	45° Spray GPM at 100 PSI	Color	Part #
3/4"	**25.1**	clear	CNB75GHT
		green	FNB75GHT-G
		red	FNB75GHT

CNB75GHT

FNB75GHT-G

FNB75GHT

N

Double Female Hex Adapters

Feature

- Other configurations are available; consult Dixon® for information

Female Thread	Female NST (NH) Thread	Cast Brass Part #
1-1/2" NPT	1-1/2"	FFH1515F
2-1/2" NPT	2-1/2"	FFH2525F
1-1/2" NST (NH)	1-1/2"	FFH15F15F
2-1/2" NST (NH)	2-1/2"	FFH25F25F

Female Thread	Female NYFD	Cast Brass Part #
1-1/2" NYFD	1-1/2"	FFH15NYFD15NYFD
1-1/2" NPT	1-1/2"	FFH1515NYFD
2-1/2" NPT	2-1/2"	FFH2525NYFD

Female Thread	Female Thread	Cast Brass Part #
1-1/2" NPT	1-1/2" NPSH	FFH15T15S

Female Rocker Lug – Suction Adapters with Poly Screen

Feature

- Suction intake with strainer screen

Female NST (NH) Thread	Female NPT Thread	Cast Brass Part #
2-1/2"	1-1/2"	RSFSA25F15T
	2"	RSFSA25F20T
	2-1/2"	RSFSA250F
	3"	RSFSA25F30T

N

NOTES: All adapters are made to approved Dixon specifications.
Replacement washers can be found on page 829.

(Open Snoot) Female Swivel Adapters – Pin Lug

Feature
- Other configurations are available; consult Dixon® for information
- Finishes: -P polished, -C polished chrome plated

Specification
- Double female rigid hexagon to swivel connection, rigid end thread is always NPT, hose thread is on swivel end

Female Swivel Thread	Female Rigid Thread	Cast Brass Part #
1-1/2" NST (NH)	1-1/2" NPT	SF150F
1-1/2" NPSH		SF150S
2-1/2" NST (NH)		SF25F15T
	2" NPT	SF25F20T
2-1/2" NYFD	2-1/2" NPT	SF250NYFD
2-1/2" NST (NH)		SF250F
		SF250F-P
		SF250F-C
2-1/2" NPSH		SF250S
2-1/2" NST (NH)	3" NPT	SF25F30T
3" NST (NH)		SF300F
3" NYFD		SF300NYFD
4" NST (NH)	4" NPT	SF400F

Domestic Female Swivel Adapters – Pin Lug

Feature
- Other configurations are available; consult Dixon for information

Female NST (NH) Swivel Thread	Female Rigid NPT Thread	Cast Brass Part #
1-1/2"	1-1/2"	SF150F-D
2-1/2"	2-1/2"	SF250F-D
	2"	SF25F20T-D

N

(Open Snoot) Female Swivel Adapters – Rocker Lug

Feature
- Other configurations are available, consult Dixon for information

Female NST (NH) Thread	Female Rigid NPT Thread	Cast Brass Part #
1-1/2"	1-1/2"	RSF150F
2-1/2"	1-1/2"	RSF25F15T
	2"	RSF25F20T
	2-1/2"	RSF250F
	3"	RSF25F30T

NOTES: All adapters are made to approved Dixon specifications.
Replacement washers can be found on page 829.

Double Female Swivels

Pin Lug

Female NPSH Thread	Female NPSH Thread	Cast Brass Part #
1-1/2"	1-1/2"	DFP1515
2-1/2"	2-1/2"	DFP2525

Female NST (NH) Thread	Female NST (NH) Thread	Cast Brass Part #
1-1/2"	1-1/2"	DFP1515F
2-1/2"	2-1/2"	DFP2525F

Female NST (NH) Thread	Female NPSH Thread	Cast Brass Part #
1-1/2"	1-1/2"	DFP15F15S
2-1/2"	2-1/2"	DFP25F25S

Female NYFD Thread	Female NYFD Thread	Cast Brass Part #
1-1/2"	1-1/2"	DFP15NYFD15NYFD
2-1/2"	2-1/2"	DFP25NYFD25NYFD

Rocker Lug

Female NPSH Thread	Female NPSH Thread	Cast Brass Part #
1-1/2"	1-1/2"	DFR1515
2-1/2"	2-1/2"	DFR2525

Female NST (NH) Thread	Female NST (NH) Thread	Cast Brass Part #
1-1/2"	1-1/2"	DFR1515F
2-1/2"	2-1/2"	DFR2525F

N

Domestic Double Female Swivels – Pin Lug

Female NST (NH) Thread	Female NST (NH) Thread	Cast Brass Part #
1-1/2"	1-1/2"	DFP1515F-D
2-1/2"	2-1/2"	DFP2525F-D

NOTE: Replacement washers can be found on page 829.

Swivel Female x Rigid Female Adapters – Rocker Lug
Style N53

Female NPSH Swivel Thread	Female Rigid NPT Thread	Aluminum Extrusion – Anodized Part #
1-1/2"	1-1/2"	N53-15S15T
2"	2"	N53-20S20T
3"	3"	N53-30S30T
6"	6"	N53-60S60T

Female NPSH Swivel Thread	Female Rigid NPSH Thread	Aluminum Extrusion – Anodized Part #
1-1/2"	1-1/2"	N53-15S15S

Female NST (NH) Swivel Thread	Female Rigid NPT Thread	Aluminum Extrusion – Anodized Part #
1-1/2"	1-1/2"	N53-15F15T
2-1/2"	2"	N53-25F20T
	2-1/2"	N53-25F25T
	3"	N53-25F30T
	4"	N53-25F40T
4"	4"	N53-40F40T
4-1/2"	4"	N53-45F40T
	6"	N53-45F60T
5"	6"	N53-50F60T
6"	6"	N53-60F60T

Female NST (NH) Swivel Thread	Female Rigid NST Thread	Aluminum Extrusion – Anodized Part #
1-1/2"	1-1/2"	N53-15F15F
2-1/2"	1-1/2"	N53-25F15F
	2-1/2"	N53-25F25F
	6"	N53-25F60F
4"	4"	N53-40F40F
6"	4-1/2"	N53-60F45F

NOTES: All adapters are made to approved Dixon® specifications.
Replacement washers can be found on page 829.

Double Swivel Female Adapters – Rocker Lug
Style N35

Female NPSH Swivel Thread	Female NPSH Swivel Thread	Aluminum Extrusion – Anodized Part #
1"	1"	N35-10S10S
1-1/2"	1-1/2"	N35-15S15S
2-1/2"	2-1/2"	N35-25S25S
3"	3"	N35-30S30S

Female NST (NH) Swivel Thread	Female NST (NH) Swivel Thread	Aluminum Extrusion – Anodized Part #
1"	1"	N35-10F10F
1-1/2"	1-1/2"	N35-15F15F
	2-1/2"	N35-15F25F
2-1/2"	2-1/2"	N35-25F25F
4"	4"	N35-40F40F
4-1/2"	4-1/2"	N35-45F45F
5"	5"	N35-50F50F
6"	6"	N35-60F60F

Female NPSH Swivel Thread	Female NST Swivel Thread	Aluminum Extrusion – Anodized Part #
1"	1"	N35-10S10F
	1-1/2"	N35-10S15F
1-1/2"	1-1/2"	N35-15S15F
2"	2-1/2"	N35-20S25F
2-1/2"	2-1/2"	N35-25S25F

Double Female Swivel Adapters – Long Handle
Style N57

Female NST (NH) Thread	Female NST (NH) Thread	Aluminum Extrusion – Anodized Part #
4-1/2"	6"	N57-45F60F
5"	5"	N57-50F50F
	6"	N57-50F60F
6"	6"	N57-60F60F

NOTES: All adapters are made to approved Dixon® specifications.
Replacement washers can be found on page 829.

Hydrant Adapters – Pin Lug

Feature

- Other configurations are also available, consult Dixon® for information

Female Thread	Male Thread	Cast Brass Part #
1-1/2" NPSH	3/4" GHT	HA15S76
	3/4" NPSH	HA15S75
	3/4" NPT	HA15S75T
	1" NPSH	HA15S10S
	1" NPT	HA15S10T
	1-1/2" NPT	HA15S15T
	1-1/2" NST (NH)	HA15S15F
1-1/2" NPT	1-1/2" NPSH	HA15T15S
	1-1/2" NST (NH)	HA15T15F
1-1/2" NST (NH)	3/4" GHT	HA1576
	3/4" NPSH	HA1575
	3/4" NPT	HA1575T
	1" NPSH	HA1510
	1" NST (NH)	HA1510F
	1" NPT	HA1510T
	1-1/2" NPSH	HA1515
	1-1/2" NPT	HA1515T
	1-1/2" NST (NH)	HA1515F
	2-1/2" NST (NH)	HA1525F
2" NPSH	1-1/2" NPSH	HA20S15S
	1-1/2" NPT	HA20S15T
	1-1/2" NST (NH)	HA20S15F
	2-1/2" NST (NH)	HA20S25F
2" NPT	2-1/2" NST (NH)	HA20T25F
2" NST (NH)	2-1/2" NST (NH)	HA2025F
2-1/2" NPSH	1" NPT	HA25S10T
	1-1/2" NPSH	HA25S15S
	1-1/2" NPT	HA25S15T
	1-1/2" NST (NH)	HA25S15F
	2-1/2" NST (NH)	HA25S25F
2-1/2" NST (NH)	3/4" GHT	HA2576
	3/4" NPT	HA2575T
	1" NPSH	HA2510
	1" NST (NH)	HA2510F
	1" NPT	HA2510T
	1-1/2" NPSH	HA2515
	1-1/2" NST (NH)	HA2515F
	1-1/2" NPT	HA2515T
	2" NPSH	HA2520
	2" NST (NH)	HA2520F
	2" NPT	HA2520T
	2-1/2" NPSH	HA2525
	2-1/2" NST (NH)	HA2525F
	2-1/2" NPT	HA2525T
	3" NPSH	HA2530
	3" NST (NH)	HA2530F
	3" NPT	HA2530T
3" NPSH	2-1/2" NST (NH)	HA30S25F
	2-1/2" NPT	HA30S25T
3" NST (NH)	1-1/2" NPSH	HA3015S
	1-1/2" NST (NH)	HA3015F
	2-1/2" NST (NH)	HA3025F
4" NST (NH)	2-1/2" NST (NH)	HA4025F
4-1/2" NST (NH)	2-1/2" NST (NH)	HA4525F

reducer

same size

increaser

N

NOTES: All adapters are made to approved Dixon specifications.
Replacement washers can be found on page 829.

Hydrant Adapters – Rocker Lug

Features
- Other configurations are also available, consult Dixon® for information
- Finishes: -C polished chrome plated

reducer

reducer - chrome plated

same size

Female Thread	Male Thread	Cast Brass Part #
1-1/2" NST (NH)	3/4" GHT	RHA1576
	1" NST (NH)	RHA1510
	1" NST (NH)	RHA1510F
	1" NPT	RHA1510T
	1-1/2" NPSH	RHA1515
	1-1/2" NST (NH)	RHA1515F
	1-1/2" NPT	RHA1515T
	2" NPSH	RHA1520
	2-1/2" NST (NH)	RHA1525F
1-1/2" NPSH	3/4" NPT	RHA15S75T
	1" NPSH	RHA15S10
	1" NPT	RHA15S10T
	1-1/2" NST (NH)	RHA15S15F
	1-1/2" NPT	RHA15S15T
1-1/2" NPT	1-1/2" NST (NH)	RHA15T15F
2" NST (NH)	2-1/2" NST (NH)	RHA2025F
2-1/2" NST (NH)	3/4" GHT	RHA2576
	1" NPSH	RHA2510
	1" NST (NH)	RHA2510F
	1" NPT	RHA2510T
	1-1/2" NPSH	RHA2515
	1-1/2" NST (NH)	RHA2515F
	1-1/2" NPT	RHA2515T
	2" NST (NH)	RHA2520F
	2" NPT	RHA2520T
	2-1/2" NPT	RHA2525T
	3" NPT	RHA2530T
2-1/2" NPSH	1-1/2" NPSH	RHA25S15
	1-1/2" NST (NH)	RHA25S15F
2-1/2" NPT	2-1/2" NST (NH)	RHA25T25F
3" NST (NH)	2-1/2" NST (NH)	RHA3025F

Female x Male Adapters – Long Handle Style N56

Female NST (NH) Thread	Male NST (NH) Thread	Aluminum Extrusion - Anodized Part #
4"	2-1/2"	N56-40F25F
4-1/2"	4"	N56-45F40F
5"	2-1/2"	N56-50F25F
6"	4-1/2"	N56-60F45F
	6"	N56-60F60T[1]

[1] Female NST (NH) x male NPT

NOTES: All adapters are made to approved Dixon specifications.
Replacement washers can be found on page 829.

Hydrant Adapters – Pin Lugs (New York Threads)

Feature
- Other configurations are also available, consult Dixon® for information

Specifications
- NYFD thread = 3.031 x 8 TPI
- NYC thread = 3.00 x 8 TPI

Female NYFD Thread	Male Thread	Cast Brass Part #
1-1/2"	3/4" GHT	HA15NYFD76
2-1/2"	3/4" NPT	HA25NYFD75T
	3/4" GHT	HA25NYFD76
	1-1/2" NPSH	HA25NYFD15S
	1-1/2" NST (NH)	HA25NYFD15F
	1-1/2" NPT	HA25NYFD15T
	1-1/2" NYFD	HA25NYFD15NYFD
	2" NPT	HA25NYFD20T
	2-1/2" NST (NH)	HA25NYFD25F

reducer

same size

Female NYC Thread	Male Thread	Cast Brass Part #
2-1/2"	3/4" GHT	HA25NYC76
	1" NPT	HA25NYC10T
	1-1/2" NPT	HA25NYC15T
	2" NPT	HA25NYC20T

increaser

Hazmat Adapters – Pin Lugs

Feature
- Divides single stream into double stream

Female NST Thread	Male Thread	Cast Brass Part #
1-1/2"	(2) 3/4" GHT	HHA1576
2-1/2"		HHA2576

N

Domestic Hydrant Adapters – Pin Lug

Feature
- Other configurations are available, consult Dixon for information

Female NST (NH)Thread	Male Thread	Cast Brass Part #
1-1/2"	3/4" GHT	HA1576-D
2-1/2"	1" NPT	HA2510T-D
	1/12" NST (NH)	HA2515F-D
	1-1/2" NPT	HA2515T-D
	3/4" GHT	HA2576-D

NOTES: All adapters are made to approved Dixon specifications.
Replacement washers can be found on page 829.

Hydrant Adapters – Rocker Lug

Application
- Use with water

Specification
- Maximum working pressure: **100 PSI** at **70°F (21°C)**

Female Thread	Male Thread	Polycarbonate Part #
1-1/2" NPSH	1-1/2" NST (NH)	POLYHA15S15F
2-1/2" NST (NH)	3/4" GHT	POLYHA2576
	1-1/2" NPSH	POLYHA2515
	1-1/2" NST (NH)	POLYHA2515F
	2" NPT	POLYHA2520T

Domestic Female to Male Hex Nipples

reducer

same size

increaser

Feature
- Other configurations are available, consult Dixon® for information

Female Thread	Male Thread	Cast Brass Part #
1" NPT	1-1/2" NST (NH)	FM1015F-D
1-1/2" NPT	1-1/2" NST (NH)	FM1515F-D
	2-1/2" NST (NH)	FM1525F-D
1-1/2" NST (NH)	1-1/2" NPSH	FM15F15S-D
	1-1/2" NPT	FM15F15T-D
	2-1/2" NST (NH)	FM15F25F-D
1-1/2" NPSH	1-1/2" NST (NH)	FM15S15F-D
	1-1/2" NPT	FM15S15T-D
2" NPT	1-1/2" NST (NH)	FM2015F-D
2-1/2" NPT	2-1/2" NST (NH)	FM2525F-D
2-1/2" NST (NH)	1-1/2" NST (NH)	FM25F15F-D
	1-1/2" NPT	FM25F15T-D
	2-1/2" NPT	FM25F25T-D

NOTES: All adapters are made to approved Dixon specifications.
Replacement washers can be found on page 829.

Single Male Outlet with Hex (Open Snoot)

Application
- Used to connect fire hose to a standpipe or sprinkler system

Features
- Other sizes, threads, and configurations are available, consult Dixon® for information
- Finishes: -P polished, -C polished chrome plated

Female NPT Thread	Male Thread	Cast Brass Part #
2-1/2"	2-1/2" NST (NH)	MOC250F-P
		MOC250F-C
3"	2-1/2" NST (NH)	MOC3025F-P
		MOC3025F-C
	3" NST (NH)	MOC300F-P

Female NPT Thread	Male Thread	Cast Brass Part #
2-1/2"	2-1/2" NYC	MOC250NYC-P
	2-1/2" NYFD	MOC250NYFD-P

polished

polished chrome plated

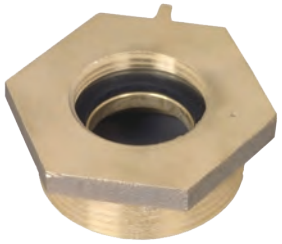
Female to Male Hex Nipples

Feature
- Other configurations are also available, consult Dixon® for information

Female Thread	Male Thread	Cast Brass Part #
3/4 GHT	1" NPT	FM7610T
1" NPSH	3/4" GHT	FM10S76
1" NPT	3/4" GHT	FM1076
	1" NPSH	FM1010
	1" NST (NH)	FM1010F
	1-1/2" NPSH	FM1015
	1-1/2" NST (NH)	FM1015F
1" NST (NH)	1" NPT	FM10F10T
1-1/2" NPT	1-1/2" NPSH	FM1515
	1-1/2" NST (NH)	FM1515F
	2-1/2" NST (NH)	FM1525F
1-1/2" NST (NH)	1-1/2" NPSH	FM15F15S
	1-1/2" NPT	FM15F15T
	2" NPT	FM15F20T
	2-1/2" NPT	FM15F25T
	2-1/2" NST (NH)	FM15F25F
	1-1/2" NST (NH)	FM15F15F
1-1/2" NPSH	1-1/2" NST (NH)	FM15S15F
	1-1/2" NPT	FM15S15T
	2" NPT	FM15S20T
2" NPSH	1-1/2" NPSH	FM20S15
	1-1/2" NST (NH)	FM20S15F
	1-1/2" NPT	FM20S15T
	2" NPT	FM20S20T
	2-1/2" NST (NH)	FM20S25F
2" NPT	1-1/2" NPSH	FM2015
	1-1/2" NST (NH)	FM2015F
	2" NPSH	FM2020
	2-1/2" NST (NH)	FM2025F
2-1/2" NPT	1-1/2" NST (NH)	FM2515F
	2-1/2" NPSH	FM2525
	2-1/2" NST (NH)	FM2525F
	2-1/2" NPT	FM2525T
2-1/2" NPSH	2-1/2" NST (NH)	FM25S25F
	2-1/2" NPT	FM25S25T

reducer

same size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NOTES: All adapters are made to approved Dixon specifications.
Replacement washers can be found on page 829.

Female to Male Hex Nipples

reducer

same size

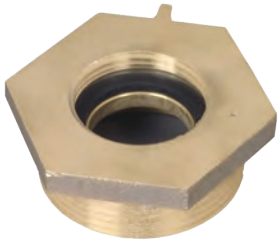
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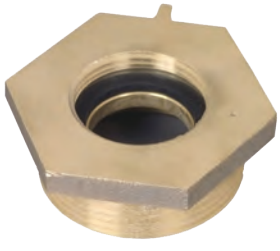
Table continued from previous page

Female Thread	Male Thread	Cast Brass Part #
2-1/2" NST (NH)	3/4" NPT	FM25F75T
	1" NPT	FM25F10T
	1-1/2" NST (NH)	FM25F15F
	1-1/2" NPT	FM25F15T
	2" NPT	FM25F20T
	2-1/2" NST (NH)	FM25F25F
	2-1/2" NPT	FM25F25T
	3" NST (NH)	FM25F30F
	3" NPT	FM25F30T
	2-1/2" NPSH	FM25F25S
3" NPT	2-1/2" NST (NH)	FM3025F
	2-1/2" NPT	FM3025T
	3" NST (NH)	FM3030F
3" NST (NH)	2-1/2" NST (NH)	FM30F25F
	2-1/2" NPT	FM30F25T
	3" NPT	FM30F30T
3" NPSH	2-1/2" NST (NH)	FM30S25F
4" NPT	2-1/2" NST (NH)	FM4025F
	4" NST (NH)	FM4040F
	4-1/2" NST (NH)	FM4045F
4" NST (NH)	4" NPT	FM40F40T
4-1/2" NST (NH)	4" NPT	FM45F40T
6" NPT	6" NST (NH)	FM6060F
6" NST (NH)	6" NPT	FM60F60T

Female to Male Hex Nipples (New York Threads)

reducer

same size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Feature

- Other configurations are available, consult Dixon® for information

Specifications

- NYFD thread = 3.031 x 8 TPI
- NYC thread = 3.00 x 8 TPI

Female Thread	Male Thread	Cast Brass Part #
1-1/2" NPT	1-1/2" NYFD	FM1515NYFD
1-1/2" NST (NH)	1-1/2" NYFD	FM15F15NYFD

Female Thread	Male Thread	Cast Brass Part #
2-1/2" NPT	2-1/2" NYC	FM2525NYC
	2-1/2" NYFD	FM2525NYFD
2-1/2" NST (NH)	2-1/2" NYC	FM25F25NYC
	2-1/2" NYFD	FM25F25NYFD
2-1/2" NYC	2-1/2" NST (NH)	FM25NYC25F
	2-1/2" NPT	FM25NYC25T

Female NYFD Thread	Male Thread	Cast Brass Part #
1-1/2"	1-1/2" NST (NH)	FM15NYFD15F
	1-1/2" NPT	FM15NYFD15T
	1-1/2" NPT	FM25NYFD15T
2-1/2" NYFD	2-1/2" NST (NH)	FM25NYFD25F
	2-1/2" NPT	FM25NYFD25T
2-1/2"	2" NPT	FM25NYFD20T
	3" NPT	FM25NYFD30T

NOTES: All adapters are made to approved Dixon specifications.
Replacement washers can be found on page 829.

Female x Male Adapters – Rocker Lug
Style N37

Female Thread	Male Thread	Aluminum Extrusion – Anodized Part #
3/4" GHT	1" NST (NH)	N37-07G10F
	1" NPSH	N37-07G10S
	1" NPT	N37-07G10T
	1-1/2" NST (NH)	N37-07G15F
	1-1/2" NPSH	N37-07G15S
1" NST	3/4" GHT	N37-10F07G
	1" NPSH	N37-10F10S
	1" NPT	N37-10F10T
	1-1/2" NST (NH)	N37-10F15F
	1-1/2" NPSH	N37-10F15S
	2-1/2" NST (NH)	N37-10F25F
1" NPSH	3/4" GHT	N37-10S07G
	3/4" NPSH	N37-10S07S
	1" NST (NH)	N37-10S10F
	1" NPT	N37-10S10T
	1-1/2" NST (NH)	N37-10S15F
	1-1/2" NPSH	N37-10S15S
1" NPT	1" NST	N37-10T10F
1-1/2" NST (NH)	3/4" GHT	N37-15F07G
	3/4" NPT	N37-15F07T
	1" NST (NH)	N37-15F10F
	1" NPSH	N37-15F10S
	1" NPT	N37-15F10T
	1-1/2" NST (NH)	N37-15F15F
	1-1/2" NPSH	N37-15F15S
	1-1/2" NPT	N37-15F15T
	2" NPT	N37-15F20T
	2-1/2" NST (NH)	N37-15F25F
1-1/2" NPSH	3/4" GHT	N37-15S07G
	1" NST (NH)	N37-15S10F
	1-1/2" NST (NH)	N37-15S15F
	1-1/2" NPT	N37-15S15T
	2" NPT	N37-15S20T
1-1/2" NPT	1-1/2" NST (NH)	N37-15T15F
	1-1/2" NPSH	N37-15T15S
	2-1/2" NST (NH)	N37-15T25F
2" NPSH	3/4" GHT	N37-20S07G
	1-1/2" NST (NH)	N37-20S15F
	1-1/2" NPSH	N37-20S15S
	2" NPT	N37-20S20T
	2-1/2" NST (NH)	N37-20S25F
2" NPT	1-1/2" NST (NH)	N37-20T15F
	1-1/2" NPSH	N37-20T15S
	2-1/2"NST (NH)	N37-20T25F

reducer

same size

increaser

Table continued on next page

NOTES: All adapters are made to approved Dixon® specifications.
Replacement washers can be found on page 829.

Female x Male Adapters – Rocker Lug (continued)
Style N37

Table continued from previous page

reducer

same size

increaser

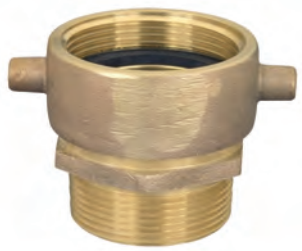
Female Thread	Male Thread	Aluminum Extrusion – Anodized Part #
2-1/2" NST (NH)	3/4" GHT	N37-25F07G
	3/4" NPT	N37-25F07T
	1" NPT	N37-25F10T
	1-1/2" NST (NH)	N37-25F15F
	1-1/2" NPSH	N37-25F15S
	1-1/2" NPT	N37-25F15T
	2" NPT	N37-25F20T
	2-1/2" NST (NH)	N37-25F25F
	2-1/2" NPSH	N37-25F25S
	2-1/2" NPT	N37-25F25T
	3" NST (NH)	N37-25F30F
	3" NPT	N37-25F30T
2-1/2" NPSH	1-1/2" NPSH	N37-25S15S
	2-1/2" NST (NH)	N37-25S25F
	2-1/2" NPT	N37-25S25T
2-1/2" NPT	1-1/2" NPSH	N37-25T15S
	2-1/2" NST (NH)	N37-25T25F
	3" NPT	N37-25T30T
3" NST (NH)	1-1/2" NST (NH)	N37-30F15F
	2-1/2" NST (NH)	N37-30F25F
	3" NPT	N37-30F30T
	2-1/2" NST (NH)	N37-30S25F
3" NPT	2-1/2" NST (NH)	N37-30T25F
	2-1/2" NPT	N37-30T25T
4" NST (NH)	2-1/2" NST (NH)	N37-40F25F
	4" NST (NH)	N37-40F40F
	4" NPT	N37-40F40T
	6" NST (NH)	N37-40F60F
4" NPT	2-1/2" NST (NH)	N37-40T25F
	4" NST (NH)	N37-40T40F
	4-1/2" NST (NH)	N37-40T45F
4-1/2" NST (NH)	2-1/2" NST (NH)	N37-45F25F
	4" NST (NH)	N37-45F40F
	4" NPT	N37-45F40T
	5" NST (NH)	N37-45F50F
5" NST (NH)	4-1/2" NST (NH)	N37-50F45F
	5" NPT	N37-50F50T
	6" NST (NH)	N37-50F60F
5" NPSH	6" NST (NH)	N37-50S60F
5" NPT	5" NST (NH)	N37-50T50F
6" NST (NH)	4" NPT	N37-60F40T
	5" NST (NH)	N37-60F50F
	6" NPT	N37-60F60T
6" NPT	4" NST (NH)	N37-60T40F
	6" NST (NH)	N37-60T60F

NOTES: All adapters are made to approved Dixon® specifications.
Replacement washers can be found on page 829.

Brass Female Swivel to Male Adapters

Pin Lug

Female NST (NH) Thread	Male NPT Thread	Cast Brass Part #
1-1/2"	1-1/2"	SM150F
2-1/2"	1-1/2"	SM25F15T
	2"	SM25F20T
	2-1/2"	SM250F
	3"	SM25F30T
4"	4"	SM400F



Female NPSH Thread	Male NPT Thread	Cast Brass Part #
1-1/2"	1-1/2"	SM150S
2"	2"	SM200S
2-1/2"	2-1/2"	SM250S

Female Thread	Male NST (NH) Thread	Cast Brass Part #
1-1/2" NPSH	1-1/2"	SM15S15F
2-1/2" NST (NH)	3"	SM25F30F

Female Thread	Male NPT Thread	Cast Brass Part #
1-1/2" NYFD	1-1/2"	SM150NYFD
2-1/2" NYFD	2-1/2"	SM250NYFD

Rocker Lug

Female Thread	Male NPT Thread	Cast Brass Part #
1-1/2" NST (NH)	1-1/2"	RSM150F
1-1/2" NPSH		RSM150S
2-1/2" NST (NH)	2"	RSM25F20T
	2-1/2"	RSM250F
	3"	RSM25F30T

N

Domestic Male Swivel Adapters – Pin Lug

Female NST (NH) Swivel Thread	Male NPT Thread	Cast Brass Part #
1-1/2"	1-1/2"	SM150F-D
2-1/2"	2-1/2"	SM250F-D
	2"	SM25F20T-D
	3"	SM25F30T-D

NOTES: All adapters are made to approved Dixon® specifications.
Replacement washers can be found on page 829.

Male Rocker Lug – Suction with Poly Screen

Feature
- Suction intake with strainer screen

Female NST (NH) Thread	Male NPT Thread	Cast Brass Part #
2-1/2"	2"	RSMSA25F20T
	2-1/2"	RSMSA250F
	3"	RSMSA25F30T

Male Rocker Lug – Suction with Zinc Screen

Feature
- Suction intake with zinc strainer screen - excellent to use before backflow preventers

Female NST (NH) Thread	Male NPT Thread	Cast Brass Part #
2-1/2"	2"	RSMSA25F20T-Z
	2-1/2"	RSMSA250F-Z
	3"	RSMSA25F30T-Z

Male Rocker Lug – Suction with Poly Screen

Feature
- Suction intake with strainer screen

Female NST (NH) Thread	Male NPT Thread	Aluminum Part #
2-1/2"	2"	N54-25F20T-S
	2-1/2"	N54-25F25T-S

N

NOTES: All adapters are made to approved Dixon® specifications.
Replacement washers can be found on page 829.

Female Swivel to Male Adapters – Rocker Lug Style N54

Female Swivel Thread	Male Rigid Thread	Aluminum Extrusion – Anodized Part #
1-1/2" NST (NH)	1-1/2" NST (NH)	N54-15F15F
	1-1/2" NPT	N54-15F15T
	2-1/2" NST (NH)	N54-15F25F
1-1/2" NPSH	1-1/2" NPSH	N54-15S15S
	1-1/2" NPT	N54-15S15T
2-1/2" NST (NH)	1-1/2" NST (NH)	N54-25F15F
	1-1/2" NPT	N54-25F15T
	2" NPT	N54-25F20T
	2-1/2" NST (NH)	N54-25F25F
	2-1/2" NPT	N54-25F25T
	3" NPT	N54-25F30T
2-1/2" NPSH	2" NPT	N54-25S20T
3" NPSH	3" NPT	N54-30S30T
4" NST (NH)	4" NST (NH)	N54-40F40F
	4" NPT	N54-40F40T
	6" NST (NH)	N54-40F60F
4-1/2" NST (NH)	4" NPT	N54-45F40T
	6" NPT	N54-45F60T
6" NST (NH)	6" NPT	N54-60F60T

Female Swivel to Male Adapters – Long Handle Style N54L

Female NST Thread	Male Thread	Aluminum Extrusion – Anodized Part #
2-1/2"	2-1/2" NST (NH)	N54L-25F25F
4"	6" NST (NH)	N54L-40F60F
4-1/2"	4" NPT	N54L-45F40T
6"	4" NPT	N54L-60F40T
	5" NST (NH)	N54L-60F50F
	6" NPT	N54L-60F60T

N

NOTES: All adapters are made to approved Dixon® specifications.
Replacement washers can be found on page 829.

Double Male Hex Nipples

Feature

- Other configurations are available, consult Dixon® for information

reducer

same size

increaser

Male Thread	Male Thread	Cast Brass Part #
3/4" NPT	1-1/2" NPSH	DMH7515
	1-1/2" NST (NH)	DMH7515F
1" NPT	3/4" GHT	DMH1076
	1" NPSH	DMH1010
	1" NST (NH)	DMH1010F
	1-1/2" NPSH	DMH1015
	1-1/2" NST (NH)	DMH1015F
	2-1/2" NST (NH)	DMH1025F
1-1/2" NPSH	1-1/2" NPSH	DMH15S15S
1-1/2" NPT	1" NPSH	DMH1510
	1" NST (NH)	DMH1510F
	1-1/2" NPSH	DMH1515
	1-1/2" NPT	DMH1515T
	1-1/2" NST (NH)	DMH1515F
	2" NPSH	DMH1520
	2-1/2" NST (NH)	DMH1525F
1-1/2" NST (NH)	1-1/2" NPSH	DMH15F15S
	1-1/2" NST (NH)	DMH15F15F
	2-1/2" NST (NH)	DMH15F25F
2" NPT	1-1/2" NPSH	DMH2015
	1-1/2" NST (NH)	DMH2015F
	2" NPSH	DMH2020
	2-1/2" NPSH	DMH2025
	2" NPT	DMH2020T
	2-1/2" NST (NH)	DMH2025F
2-1/2" NPT	1-1/2" NPSH	DMH2515
	1-1/2" NST (NH)	DMH2515F
	2" NPSH	DMH2520
	2-1/2" NPSH	DMH2525
	2-1/2" NST (NH)	DMH2525F
	2-1/2" NPT	DMH2525T
	3" NPSH	DMH2530
	3" NPT	DMH2530T
	3" NST (NH)	DMH2530F
2-1/2" NST (NH)	2-1/2" NST (NH)	DMH25F25F
	3" NST (NH)	DMH25F30F
3" NPT	2-1/2" NPSH	DMH3025
	2-1/2" NST (NH)	DMH3025F
	3" NPSH	DMH3030
	3" NST (NH)	DMH3030F
	3" NPT	DMH3030T
4" NPT	4" NPSH	DMH4040
4" NST (NH)	4" NST	DMH40F40F
4" NPT	4" NST (NH)	DMH4040F
	4-1/2" NST (NH)	DMH4045F
	4" NPT	DMH4040T
5" NPT	5" NST (NH)	DMH5050F
6" NPT	4-1/2" NST (NH)	DMH6045F
	6" NST (NH)	DMH6060F
	6" NPSH	DMH6060
	6" NPT	DMH6060T

NOTE: All adapters are made to approved Dixon specifications.

Double Male Hex Adapters (NYFD Threads)

Feature
- Other configurations are available, consult Dixon® for information

Male Thread	Male NYFD Thread	Cast Brass Part #
1-1/2" NPT	1-1/2"	DMH1515NYFD
1-1/2" NPT	2-1/2"	DMH1525NYFD
2" NPT		DMH2025NYFD
2-1/2" NPT	1-1/2"	DMH2515NYFD
	2-1/2"	DMH2525NYFD

reducer

Male NST (NH) Thread	Male NYFD Thread	Cast Brass Part #
1-1/2"	1-1/2"	DMH15F15NYFD
2-1/2"	2-1/2"	DMH25F25NYFD

same size

Male NYFD Thread	Male NYFD Thread	Cast Brass Part #
1-1/2"	1-1/2"	DMH15NYFD15NYFD
2-1/2"	2-1/2"	DMH25NYFD25NYFD

increaser

NOTE: NYFD thread: 3.031 x 8 TPI

N

NOTE: All adapters are made to approved Dixon specifications.

Domestic Double Male Hex Adapters

reducer

same size

increaser

Feature

- Other configurations are available, consult Dixon® for information

Male Thread	Male Thread	Cast Brass Part #
1" NPT	1" NST (NH)	DMH1010F-D
	1-1/2" NST (NH)	DMH1015F-D
1-1/2" NPT	1-1/2" NPSH	DMH1515-D
	1-1/2" NST (NH)	DMH1515F-D
	2-1/2" NST (NH)	DMH1525F-D
1-1/2" NST (NH)	1-1/2" NST (NH)	DMH15F15F-D
	1-1/2" NPSH	DMH15F15S-D
	2-1/2" NST (NH)	DMH15F25F-D
2" NPT	1-1/2" NST (NH)	DMH2015F-D
	2" NPSH	DMH2020-D
	2-1/2" NST (NH)	DMH2025F-D
2-1/2" NPT	1-1/2" NST (NH)	DMH2515F-D
	2-1/2" NST (NH)	DMH2525F-D
2-1/2" NST (NH)	2-1/2" NST (NH)	DMH25F25F-D
3" NPT	2-1/2" NST (NH)	DMH3025F-D
	3" NST (NH)	DMH3030F-D
4" NPT	4-1/2" NST (NH)	DMH4045F-D
6" NPT	6" NST (NH)	DMH6060F-D

Double Male Adapters

Feature

- Other configurations are available, consult Dixon for information

Pin Lug

Male Thread	Male Thread	Cast Brass Part #
1-1/2" NST (NH)	1-1/2" NST (NH)	DMP1515F
	1-1/2" NPT	DMP15F15T
1-1/2" NPSH	1-1/2" NPSH	DMP1515
	1-1/2" NPT	DMP15S15T
1-1/2" NST (NH)	1-1/2" NPSH	DMP15F15S
2-1/2" NST (NH)	2-1/2" NST (NH)	DMP2525F
	2-1/2" NPSH	DMP25F25S
	2-1/2" NPT	DMP25F25T
2-1/2" NPSH	2-1/2" NPSH	DMP2525

Rocker Lug

Male Thread	Male Thread	Cast Brass Part #
1-1/2" NST (NH)	1-1/2" NST (NH)	DMR1515F
	1-1/2" NPT	DMR15F15T
	1-1/2" NPSH	DMR15F15S
1-1/2" NPSH	1-1/2" NPSH	DMR1515
	1-1/2" NPT	DMR15S15T
2-1/2" NST (NH)	2-1/2" NST (NH)	DMR2525F
2-1/2" NPSH	2-1/2" NPSH	DMR2525

NOTE: All adapters are made to approved Dixon specifications.

Double Male Adapters – Rocker Lug Style N36

Male NST (NH) Thread	Male Thread	Aluminum Extrusion – Anodized Part #
1"	1" NST (NH)	N36-10F10F
1-1/2"	1-1/2" NST (NH)	N36-15F15F
	2" NPT	N36-15F20T
	2-1/2" NST (NH)	N36-15F25F
2-1/2"	2-1/2" NST (NH)	N36-25F25F
	3" NST (NH)	N36-25F30F
	3" NPT	N36-25F30T
	4" NST (NH)	N36-25F40F
	4" NPT	N36-25F40T
	4-1/2" NST (NH)	N36-25F45F
3"	3" NST (NH)	N36-30F30F
4"	4" NST (NH)	N36-40F40F
4-1/2"	4-1/2" NST (NH)	N36-45F45F
6"	6" NST (NH)	N36-60F60F

same size

Male NPT Thread	Male Thread	Aluminum Extrusion – Anodized Part #
1-1/2"	1-1/2" NST (NH)	N36-15T15F
	2-1/2" NST (NH)	N36-15T25F
2"	2" NPT	N36-20T20T
	2-1/2" NST (NH)	N36-20T25F
2-1/2"	2-1/2" NST (NH)	N36-25T25F
	3" NPT	N36-25T30T
	4" NPT	N36-25T40T
3"	3" NST (NH)	N36-30T30F
4"	4" NST (NH)	N36-40T40F
	4-1/2" NST (NH)	N36-40T45F
5"	6" NPT	N36-50T60T
6"	6" NST (NH)	N36-60T60F

increaser

Male NPSH Thread	Male Thread	Aluminum Extrusion – Anodized Part #
1"	1" NPSH	N36-10S10S
1-1/2"	1-1/2" NST (NH)	N36-15S15F
	1-1/2" NPSH	N36-15S15S
	1-1/2" NPT	N36-15S15T
	2" NPSH	N36-15S20S
2-1/2"	2-1/2" NST (NH)	N36-25S25F
	2-1/2" NPSH	N36-25S25S

N

Cam and Groove Hydrant Adapters

Features

- Pin lugs allow for easy connection using standard spanner and hydrant wrenches on pages 843-846
- 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.

Cam & Groove x NST

Features
- For suction and low pressure discharge only
- Other sizes, configurations, and materials available, contact Dixon® for information

Type A x Female NST (NH)

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

Type B x Male NST (NH)

Material
- Nitrile rubber seals standard

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

Type D x Female NST (NH)

Material
- Nitrile rubber seals standard

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

Adapter x Male NST (NH)

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

Brass Caps with Chains

Pin Lug

Features
- NOT intended for pressure applications - for debris and thread protection only
- Finishes: -P polished, -C polished chrome plated

NST (NH) Thread	Cast Brass Part #
1-1/2"	FC150F
	FC150F-P
	FC150F-C
2"	FC200F
2-1/2"	FC250F
	FC250F-P
	FC250F-C
3"	FC300F
4"	FC400F
4-1/2"	FC450F
6"	FC600F

NPSH Thread	Cast Brass Part #
1-1/2"	FC150
2"	FC200
2-1/2"	FC250
3"	FC300
4"	FC400
6"	FC600

Rocker Lug

Feature
- Finishes: -P polished, -C polished chrome plated

NST (NH) Thread	Cast Brass Part #
1"	RFC100F
1-1/2"	RFC150F
2-1/2"	RFC250F
	RFC250F-C

NPSH Thread	Cast Brass Part #
3/4"	RFC075
1"	RFC100
1-1/2"	RFC150
2"	RFC200
2-1/2"	RFC250

Brass Test Caps

Specifications
- Pet cock port supplied with 1/8" NPT
- Drain cock port supplied with 1/4" NPT

NST (NH) Thread	Brass Part #
2-1/2"	NST250TC

Aluminum Caps with Cable

Rocker Lug

Features

- Other configurations are available; consult Dixon® for information, not all configurations are stocked
- Aircraft cable (coated) included

Size	Thread	Extruded Hardcoat Aluminum Part #
1"	NST (NH)	CAP100F-C
1-1/2"		CAP150F-C
2"		CAP200F-C
2-1/2"		CAP250F-C
3"		CAP300F-C
4"		CAP400F-C
4-1/2"		CAP450F-C
5"		CAP500F-C
6"		CAP600F-C
1"	NPSH	CAP100S-C
1-1/2"		CAP150S-C
2"		CAP200S-C
2-1/2"		CAP250S-C

Long Handle

NST (NH) Thread	Extruded Hardcoat Aluminum Part #
4"	CAP400F-C-LH
4-1/2"	CAP450F-C-LH
5"	CAP500F-C-LH
6"	CAP600F-C-LH

N

Aluminum Test Caps

Size	Thread	Aluminum Part #
1-1/2"	NST (NH)	CAP150FABS
2"		CAP200FABS
2-1/2"		CAP250FABS
3"		CAP300FABS
4"		CAP400FABS
4-1/2"		CAP450FABS
5"		CAP500FABS
6"		CAP600FABS
1-1/2"	NPSH	CAP150SABS
2"		CAP200SABS
2-1/2"		CAP250SABS
3"		CAP300SABS
4"		CAP400SABS
4-1/2"		CAP450SABS
5"		CAP500SABS
6"		CAP600SABS

Thermoplastic Caps

Caps with Chain

Application
- Prevents entry of foreign material and protects male outlet threads on valves and hydrants

Feature
- NOT intended to be pressurized ⚠

Size	Thread	Polycarbonate Part #
1-1/2"	NPSH	PFCW150
	NST (NH)	PFCW150F
2"	NPSH	PFCW200
2-1/2"	NST (NH)	PFCW250F
3"	NST (NH)	PFCW300F

Pressurizable Cap with Chains

Specification
- Can be pressurized to **300 PSI**

Size	Thread	Polycarbonate Part #
2-1/2"	NST (NH) Thread	PFC250F

Hydrant Caps

Size
- 1-1/8" pentagonal nut with weep hole

Feature
- Gasket not required

NST (NH) Thread	Polycarbonate Part #
2-1/2"	PFCW250F-Y
4"	PFCW400F-Y
4-1/2"	PFCW450F-Y

N

Universal Hose Cap

Application
- Universal push on – pull off cap protects all threads by gripping the valve or outlet on the inside of the waterway

Feature
- NOT intended to be pressurized ⚠

Size	Polycarbonate Part #
2-1/2"	PFC250U

Breakable Caps

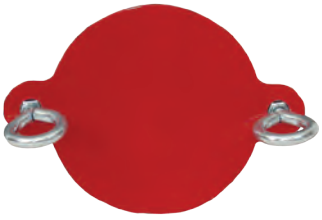
Polycarbonate

Application
- Prevents entry of foreign material and protects female threads on pin lug fire department inlet connections

Feature
- Used on pin lug females

Size	Polycarbonate Part #
2-1/2"	PBC250

Aluminum



Applications
- For use on fire department inlet connections
- Prevents entry of foreign matter and protects female threads

Features
- Breakable ears feature permits fast hose connection
- Two eyebolts with nuts for attachment to female pin lug swivel
- Painted red finish

Size	Aluminum Part #
2-1/2"	ABC250

Specialty Caps

Domestic Caps – Pin Lug

Feature
- Other sizes, threads, and finishes available, call Dixon® for information

Size	Thread	Brass Part #
1-1/2"	NST (NH)	FC150F-D
2-1/2"		FC250F-D

NOTE: Jack chains with S-hooks can be found on page 73.

Hydrant Caps

IHC250F

IHC450F

Features
- Pentagon fire hydrant cap
- Supplied with chain and ring

Size	Thread	Iron Part #
2-1/2"	NST (NH)	IHC250F
4-1/2"		IHC450F

Replacement Part #
IHC-CHAIN

Specialty Plugs

Plugs with Cable and S Hook – Rocker Lug

Feature
- -NC: no cable option available

Size	Extruded Hardcoat Aluminum	
	NST (NH) Part #	NPSH Part #
1-1/2"	PLUG150F-C	PLUG150S-C
2-1/2"	PLUG250F-C	PLUG250S-C
3"	PLUG300F-C	PLUG300S-C
4"	PLUG400F-C	---
4-1/2"	PLUG450F-C	---
5"	PLUG500F-C	---
6"	PLUG600F-C	---

Cap Test Gauges

Application
- Used for testing hose or static pressure on hydrants or trucks

Features
- Rocker lug swivel
- Petcock to release pressure

Specification
- Supplied with a **0-300 PSI** glycerine 3-1/2" diameter gauge

NST (NH) Thread	Hardcoat Aluminum Part #
1-1/2"	AFC150F-TGWP
2-1/2"	AFC250F-TGWP

FDC Plugs

Feature
- Removed from FDC with adjustable hydrant wrench

Specifications
- Fits standard 2-1/2" NST (NH) female swivel
- Withstands wide range of temperatures from **-4°F** to **200°F** (**-20°C** to **93°C**)

Size	Thread	Polycarbonate Part #
1-1/2"	NST (NH)	PP150F
2-1/2"	NST (NH)	PP250F
	NYFD	PP250NYFD

N

Adjust-A-Plug

Features
- Molded red polycarbonate protective plug for swivel connections up to 2-1/2"
- Two adjustable metal plates installed in the back of the plug can be mated with your local thread
- Plug can be easily removed with a fire department spanner wrench

Polycarbonate Part #
PAP250

front

back

Brass Plugs with Chains

Pin Lug

Features

- NOT intended for pressure applications – for debris and thread protection only
- Finishes: -P polished, -C polished chrome plated

NST (NH) Thread	Cast Brass Part #
1-1/2"	FP150F
	FP150F-P
	FP150F-C
2-1/2"	FP250F
	FP250F-P
	FP250F-C
3"	FP300F
4"	FP400F
4-1/2"	FP450F

NPSH Thread	Cast Brass Part #
1-1/2"	FP150
2-1/2"	FP250

Rocker Lug

Feature

- Finishes: -P polished, -C polished chrome plated

NST (NH) Thread	Cast Brass Part #
1-1/2"	RFP150F
2-1/2"	RFP250F

Domestic Plugs - Pin Lug

NST (NH) Thread	Brass Part #
1-1/2"	FP150F-D
2-1/2"	FP250F-D

Brass Replacement Swivels and Accessories

Features

- Replacement brass swivels for Dixon® fire department connections
- Swivel comes with gasket, set screw, and ball bearings needed to install on FDC
- Other configurations are available, contact Dixon for information

Size	Female Thread	Brass Part #
2-1/2"	NPSH (2.84x8)	PSNP250S
	NST (NH) (3.07x7.5)	PSNP250NST
	NYC/BA (3.00x8)	PSNP250NYC
	NYFD (3.03x8)	PSNP250NYFD
3"	NST (NH)	PSNP300NST
	NYFD	PSNP300NYFD

NOTE: 2-1/2" requires 50 ball bearings, 3" requires 58 ball bearings.

Replacement Parts

4600300001

Description	Part #
2-1/2" gasket	SW250
3" gasket	SW300F
ball bearings	4600300001
ball bearings (50)	4600300001-50
set screw	4601100418

FSA-Storz x Rigid Female

Application
- For use wherever a non-valved, locking coupling is required

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

Materials
- Nitrile rubber gaskets
- Cast aluminum lock lever assembly on 4", 5", and 6"

Storz x NST (NH) Female

Storz Size	NST (NH) Female Thread	6061-T6 Forged Aluminum Part #
1-1/2"	1-1/2"	FSA1515F
2"	1-1/2"	FSA2015F
	2-1/2"	FSA2025F
2-1/2"	2-1/2"	FSA2525F
3"	2-1/2"	FSA3025F
4"	2-1/2"	FSA4025F
	3"	FSA4030F
	4"	FSA4040F
	4-1/2"	FSA4045F
	5"	FSA4050F
	6"	FSA4060F
5"	2-1/2"	FSA5025F
	3"	FSA5030F
	4"	FSA5040F
	4-1/2"	FSA5045F
	5"	FSA5050F
	6"	FSA5060F
6"	6"	FSA6060F

Storz x NPT Female

Storz Size	NPT Female Thread	6061-T6 Forged Aluminum Part #
1-1/2"	1"	FSA1510T
	1-1/2"	FSA1515T
2"	1-1/2"	FSA2015T
	2"	FSA2020T
2-1/2"	1-1/2"	FSA2515T
	2"	FSA2520T
	2-1/2"	FSA2525T
	3"	FSA2530T
3"	3"	FSA3030T
4"	3"	FSA4030T
	4"	FSA4040T
	6"	FSA4060T
5"	3"	FSA5030T
	4"	FSA5040T
	5"	FSA5050T
	6"	FSA5060T
6"	4"	FSA6040T
	6"	FSA6060T

Storz x NPSH Female

Storz Size	NPSH Female Thread	6061-T6 Forged Aluminum Part #
1-1/2"	1-1/2"	FSA1515S
2"	1-1/2"	FSA2015S
2-1/2"	2-1/2"	FSA2525S
4"	4"	FSA4040S

NOTES: All adapters are made to approved Dixon® specifications.
Replacement gaskets can be found on page 842.

SFSA – Storz x Swivel Female Adapter – Rocker Lug/Long Handle

Materials
- Nitrile rubber gaskets
- Cast aluminum lock lever assembly on 4", 5", and 6"

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

Storz x NST (NH) Female Swivel

Storz Size	NST (NH) Female Swivel Thread	6061-T6 Forged Aluminum Part #
2-1/2"	2-1/2"	SFSA2525F
3"	2-1/2"	SFSA3025F
4"	2-1/2"	SFSA4025F
	3"	SFSA4030F
	4"	SFSA4040F
	4-1/2"	SFSA4045F
	6"	SFSA4060F
5"	2-1/2"	SFSA5025F
	4"	SFSA5040F
	4-1/2"	SFSA5045F
	6"	SFSA5060F
6"		SFSA6060F

Storz x NPSH Female

Storz Size	NPSH Female Swivel Thread	6061-T6 Forged Aluminum Part #
2-1/2"	2-1/2"	SFSA2525S
3"	3"	SFSA3030S
4"	4"	SFSA4040S
5"	6"	SFSA5060S

Storz x NST (NH) Female Swivel – Long Handle

Storz Size	NST (NH) Female Swivel Thread	6061-T6 Forged Aluminum Part #
4"	4-1/2"	SFSA4045F-LH
5"	4"	SFSA5040F-LH
5"	4-1/2"	SFSA5045F-LH
6"	6"	SFSA6060F-LH

NOTES: All adapters are made to approved Dixon® specifications.
Replacement gaskets can be found on page 842.

MSA – Storz x Rigid Male

Storz x NST (NH) Male

Storz Size	NST (NH) MaleThread	6061-T6 Forged Aluminum Part #
1-1/2"	1-1/2"	MSA1515F
2"	1-1/2"	MSA2015F
2-1/2"	2-1/2"	MSA2525F
3"	2-1/2"	MSA3025F
4"	2-1/2"	MSA4025F
	4"	MSA4040F
	4-1/2"	MSA4045F
5"	2-1/2"	MSA5025F
	5"	MSA5050F

Storz x NPT Male

Storz Size	NPT Male Thread	6061-T6 Forged Aluminum Part #
1-1/2"	1-1/2"	MSA1515T
2"	1-1/2"	MSA2015T
2-1/2"	2"	MSA2520T
	2-1/2"	MSA2525T
	3"	MSA2530T
3"	3"	MSA3030T
4"	4-1/2"	MSA4025T
	4"	MSA4040T
5"	4"	MSA5040T
6"	6"	MSA6060T

Storz x NPSH Male

Storz Size	NPSH Male Thread	6061-T6 Forged Aluminum Part #
1-1/2"	1-1/2"	MSA1515S
2"		MSA2015S

1-1/2" x 1-1/2"

N

SLSA – Storz Live Swivel

Specification

- Working pressure: **200 PSI** at **70°F (21°C)**

Storz	FNPT	6061-T6 Forged Aluminum Part #
4"	4"	SLSA4040T
5"		SLSA5040T

NOTE: Optional configurations from 2-1/2" to 6" on the non-storz side.

SFSA30 – Storz x Female Swivel 30° Elbow – Rocker Lug

Feature
- Screens available for 4" and 5" heads, consult Dixon® for information

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

Materials
- Nitrile rubber gaskets
- Cast aluminum lock lever assembly on 4", 5", and 6"

Storz Size	NST (NH) Female Swivel Thread	6061-T6 Forged Aluminum Part #
4"	4"	SFSA30-4040F
	5"	SFSA30-4050F
	6"	SFSA30-4060F
5"	3"	SFSA30-5030F
	4"	SFSA30-5040F
	4-1/2"	SFSA30-5045F
	6"	SFSA30-5060F

NOTE: Replacement gaskets can be found on page 842.

SFSA30 – Storz x Female Swivel 30° Elbow – Long Handle

Materials
- Nitrile rubber gaskets
- Cast aluminum lock lever assembly on 4", 5", and 6"

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

Storz Size	NST (NH) Female Swivel Thread	6061-T6 Forged Aluminum Part #
4"	4-1/2"	SFSA30-4045F-LH
	5"	SFSA30-4050F-LH
	6"	SFSA30-4060F-LH

NOTE: Replacement gaskets can be found on page 842.

N

NCS-CSF – 150 lbs. Carbon Steel Flange x Storz

150# Flange	Storz	Carbon Steel Part #
4"	5"	NCS-CSF-STZ450
	6"	NCS-CSF-STZ460
5"	4"	NCS-CSF-STZ540
	5"	NCS-CSF-STZ550
	6"	NCS-CSF-STZ560
6"	4"	NCS-CSF-STZ640
	5"	NCS-CSF-STZ650
	6"	NCS-CSF-STZ660

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

NCS-CSF – 150 lbs. Carbon Steel Flange x Storz with Cap

Storz	150# Flange	Carbon Steel Part #
5"	6"	NCS-CSF-STZ650C
6"		NCS-CSF-STZ660C

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

SSA – Storz x Storz Adapter

Materials
- Nitrile rubber gaskets
- Cast aluminum lock lever assembly on 4", 5" and 6"

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

Storz Size	Storz Size	6061-T6 Forged Aluminum Part #
1-1/2"	2"	SSA1520
	2-1/2"	SSA1525
2"	2-1/2"	SSA2025
	3"	SSA2030
	4"	SSA2540
4"	5"	SSA4050
	6"	SSA4060
5"		SSA5060

SSA30 – Storz x Storz 30° Elbow Adapters

Materials
- Nitrile rubber gaskets
- Cast aluminum lock lever assembly on 4", 5" and 6"

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

Storz Size	Storz Size	6061-T6 Forged Aluminum Part #
5"	5"	SSA30-550

Storz Fire Department Connections

Features
- Designed to work with 5" Storz universal connections
- UL approved screen helps to keep debris out of the line
- Flat-faced flange
- Comes with vented cap and cable

Specification
- Maximum working pressure: **250 PSI** at **70°F (21°C)**

Approval
- Screen is UL approved

N

With Screen

Storz Size	Female	Part #
5"	BSP	FDCS500BS

Without Screen

Storz Size	Female	Aluminum Part #
5"	BSP	FDC500BS

Storz Accessories

Threaded Storz Mounting Plates (Bracket)

Storz Size	Anodized Aluminum Part #
1-1/2" - 2-1/2"	SMB1525
4" - 5"	SMB450

Storz Caps

Features

- 4", 5", 6" supplied with cables
- 1-1/2", 2", 2-1/2", 3" supplied with chains

Storz Size	Aluminum Part #
1-1/2"	SC150-NL
2"	SC200-NL
2-1/2"	SC250-NL
3"	SC300-NL
4"	SC400-NL
4" ABS	SC400ABS[1]
5"	SC500-NL
5" ABS	SC500ABS[1]
6"	SC600-NL

[1] ABS includes air bleeder/petcock

Storz Gaskets

Features

- Gasket faces should be kept free of sand, grit, etc. and lubricated with O-ring grease or silicone
- Pressure seals have a flat face
- Suction seals have a beaded face

pressure seal (black)

suction seal (grey)

Storz Size	Nitrile Rubber Pressure Part #	Nitrile Rubber Suction Part #
1-1/2"	SGS150-NL[1]	SGS150-NL
2"	SGP200	SGS200-NL
2-1/2"	SGP250	SGS250-NL
3"	SGP300	SGS300-NL
4"	SGP400	SGS400-NL
5"	SGP500	SGS500-NL
6"	SGS600-NL[1]	SGS600-NL

[1] Gasket can be used for both pressure and suction service

Storz Locking Devices

Description	Part #
metal locking device used on 4" and 5" Storz heads with spring, screw, and washer	LOCKINGDEVICE
metal locking device used on 6" Storz heads with spring, screw, and washer	LOCKINGDEVICE6

Wrenches

Universal Spanner

Application
- For 3/4" to 3" pin lug and rocker lug couplings

Feature
- Includes gas cock shutoff, pry bar and belt hook eye

Size
- Overall length 11-7/8"

Aluminum Part #	Pkg Qty
USW	25

Universal

Application
- For pin lug or rocker lug couplings 1" - 4-1/2"

Features
- Red epoxy painted
- A gas cock shutoff is provided in the handle

Size
- Overall length 11-3/4"

Iron Part #
233

Hole Type Spanner

Application
- Designed for use on 3/4" and 1" booster hose couplings

Size
- Overall length is 7-1/2"

AL-MAG 35 Part #
HTSW

Storz Hydrant

Features
- Fits 4" and 5" Storz
- Includes adjustable hydrant nut wrench

Materials
- Ductile iron head
- Knurled chrome plated handle
- Manganese bronze adjustable jaw

Part #
SAHW

Folding Pocket Spanners

Application
- For pentagon nuts up to 1-3/4"

Feature
- Built-in spanner for pin or rocker lug couplings

Size
- Overall length 16-1/4"

PSW

PSW-B

PSW-Z

PSW-Y

Material	Part #
aluminum	PSW
brass	PSW-B
die cast zinc	PSW-Z
yellow plastic	PSW-Y

Adjustable Hydrant

Features
- Fits 3/4" to 3" rocker lug and pin lug couplings
- A compact wrench easily carried in your jacket pocket

Iron Part #	Pkg Qty
AHW	20

N

Wrenches

Pigtail Adjustable Hydrant

Feature
- Double spanner head fits pin lug or rocker (sensible) lug couplings, pentagon nuts up to 1-1/2" from point to flat, 1-1/2" to 6" rocker lug caps, 2" to 4-1/2" pin lug caps, and square nuts up to 1-1/8"

Part #
AHWPT

Heavy Duty Adjustable Hydrant

Application
- For pentagon hydrant nuts up to 1-3/4" from point to flat

Size
- Overall length 18"

Features
- Notched to fit 1-1/4" square hydrant nut
- Spanner for pin lug and sensible (rocker) lug couplings, 1-1/2" thru 6"

Materials
- Plated iron head, 7/8" plated steel handle

Part #	Pkg Qty
189	15

Double Head Adjustable Hydrant

Application
- For pentagon hydrant nuts up to 1-7/8" and square heads up to 1-1/2"

Size
- Overall length 19-1/2"

Feature
- Fits 3/4" to 6" rocker lug or pin lug couplings, can also be used for long handle couplings

Materials
- Ductile iron head with a deeply knurled chrome plated steel handle
- Replaceable adjustable jaw is made of manganese bronze

Part #
189DH

5 Hole Hydrant

Size
- Overall length: 14-1/4"

Features
- Five pentagon holes designed to fit common hydrant nut sizes
- Built-in spanner for pin or rocker lug couplings

Plated Iron Part #	Pkg Qty
PHW	25

Grip-All Spanner

Features
- Fits 3/4" to 6" split lug, rocker lug, and pin lug couplings
- Can be operated in tight quarters
- Gas cock shutoff is provided in the handle; handle is shaped to fit your hand allowing a positive grip on the coupling

Aluminum Part #
GAW

Wrenches

Hydrant

Application
- Used for hydrant work by water works companies and on construction sites

Size
- 1-1/4" square hydrant wrench
- Overall length 15"

Features
- Fits up to 4" pin lug or rocker lug couplings
- Complete with pry bar

A356 Aluminum Part #
DF16-180

Features
- Fits up to 2-1/2" pin lug or rocker lug couplings
- Complete with pry bar and 1-1/4" nut wrench
- Lug / drum wrench

A356 Aluminum Part #
DF16-181

Long Handle Suction Spanner

Application
- Use on long handle, rocker lug, or pin lug couplings from 2-1/2" - 6"

Size
- Overall length 18-3/4"

Features
- Open end slips over long handles for additional leverage, the claw fits rocker lugs or pin lugs, the other end can be used as a pry or crowbar
- Inverted "T" body construction for lighter weight and improved strength
- Can be used on Dixon® cam & groove pin lug or trapezoidal lug tank car adapters or 8" pin lug couplings

Plated Iron Part #
LHW

Forestry Hose Clamp and Spanner

Size
- Overall length 10"

Material
- Cast aluminum and brass

Features
- Off-set handle enables the user to easily operate the clamp while wearing gloves
- When clamped onto the hose, the brass locking device safely holds the clamp in position; a spanner is an integral part of the clamp

Specification
- To be used with lightweight 1" and 1-1/2" hoses for pressures up to **200 PSI**

Cast Aluminum Part #
FHCS150

Forestry Pocket Spanners

Applications
- FSW1: for use on 1" hoses only
- FSW2: for 1" and 1-1/2" hose couplings

Size
- Overall length 5"

Approval
- Meets USFDA specification 5100-101C

Aluminum Part #
FSW1
FSW2

N

Storz Wrenches

Pin Lug Spanners – Single End

Size	Plated Iron Part #
2"	SW20
2-1/2"	SW25
3"	SW30
4"	SW40
6"	SW60

Pin Lug Spanner – Double End

Size	Plated Iron Part #
1-1/2", 2" x 2-1/2", 3"	SW153

Spanner – Single End

SZW2

SW1530

Features
- SW1530 fits 1-1/2" to 3" Storz
- SZW2 for use on 4" and 6" Storz

Size	AL-MAG 35 Part #
1-1/2" – 3"	SW1530
4" – 6"	SZW2

Spanners – Double End

SW-S400

Used On	Material	Part #
2" – 5"	steel	SW-S400

Holder with (2) Wrenches – Double Ended

Description	Material	Part #
2 Storz wrenches (2-1/2" – 5") with bracket	steel	SWB-S-2
4 Storz wrenches (2-1/2" – 5") with bracket		SWB-S-4

Long Handle Short Shank Suction Hose Females

Application
- For suction and low pressure discharge only

Female Swivel NST (NH)	Hose Size	Powder Coated Aluminum Part #
4"	4"	LHFS400F
4-1/2"		LHFS4045F

Angle and Suction Elbows

Application
- For use on pump discharge valves, or suction inlets to minimize hose kinking

Features
- Rocker lug swivel
- Satin brass finish

Material
- -C polished chrome plated

30° elbow

45° elbow

Male NST (NH) Thread	Female NST (NH) Thread	Angle	Brass Part #
2-1/2"	2-1/2"	30°	RSE30250F-C
		45°	RSE45250F
			RSE45250F-C
		90°	RSE90250F
			RSE90250F-C

Continuous Swivel Elbows

Features
- Allows hose to swing when connected
- Full waterway reduces friction loss
- Short style radius is 2-1/2" measured from the center of the waterway to the end of the discharge thread

Female NPT Thread	Male Thread	Length	Cast Brass Part #
1-1/2"	1-1/2" NST (NH)	2-1/2"	CSES150F
2"			CSES2015F
1-1/2"	1-1/2" NPT		CSES150T

Dixon® Angle and Suction Elbows N54

Application
- Ideal for fire apparatus with front suction connections

Materials
- Anodized, extruded
- Anodized female swivel connections

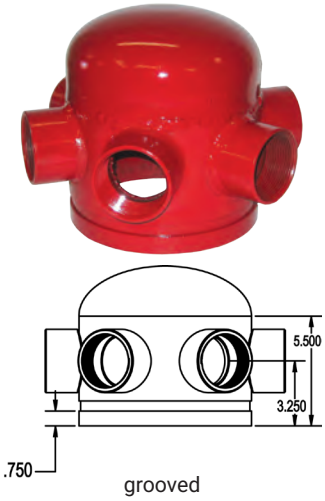
90° elbow

Male NST (NH) Thread	Female NST (NH) Swivel Thread	Angle	Aluminum Part #
2-1/2"	2-1/2"	30°	N5430-25F25F
		45°	N5445-25F25F
		60°	N5460-25F25F
		90°	N5490-25F25F

NOTE: Replacement washers can be found on page 829.

Pump Test Headers

flanged



grooved

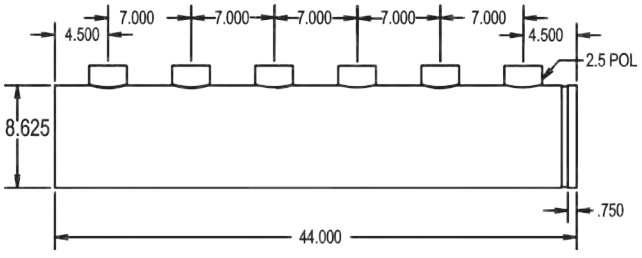
Feature
- Other sizes and configurations available, consult Dixon® for information

Specification
- Available connections: grooved, flanged, and threaded

Approval
- Certified D1, G1, G6

End Connection	End Size	# of Outlets	Pump Size Max. GPM	Part #
150# flanged	3"	1	**300**	HVF0301-25
	4"	2	**500**	HVF0402-25
	6"	3	**750**	HVF0603-25
	6"	4	**1000**	HVF0604-25
	6"	6	**1000**	HVF0606-25
	8"	6	**2000**	HVF0806-25
grooved	6"	3	**750**	HVG0603-25
	6"	4	**1000**	HVG0604-25
	8"	3	**750**	HVG0803-25
	8"	6	**2000**	HVG0806-25

Manifolds



Model Number Breakdown

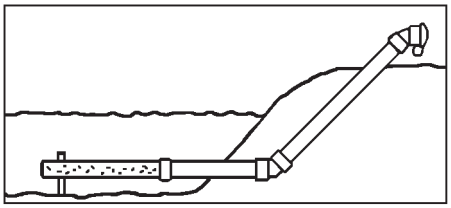
T98060-30

End Connection
Location
End Size
# of Outlets
Size Outlets

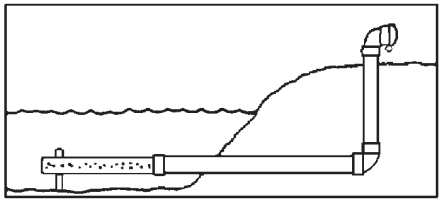
End Connection		Location		End Size		Number of Outlets		Outlet Size	
T	threaded	E	End	40	4"	20	2	25	2-1/2" FNPT
G	grooved	B	Back	60	6"	30	3	30	3" FNPT
F	flanged	9	90°	80	8"	40	4	---	---
---	---	---	---	---	---	60	6	---	---

Dry Hydrants

Typical Dry Hydrant Installations



45°
(preferred)



90°

Underwater Strainer Supports

Description	Part #
underwater strainer support	DHSSC6

Back Flushing Strainers

Size
- Length: 37"

Size	Schedule 40 PVC Part #
6"	DHS6BF
8"	DHS8BF[1]

[1]Includes 8" x 6" reducer

NOTE: Available with flap also, contact Dixon®

Male Adapters and Caps

	90° Male Adapters	45° Male Adapters
Male NST (NH)	Hardcoated Part #	Hardcoated Part #
4-1/2"	ADH90M45F	ADH45M45F
6"	ADH90M60F	ADH45M60F

Rocker Lug Caps with Cable

Female NST (NH)	Hardcoated Part #
4-1/2"	CAP450F-C
6"	CAP600F-C

adapters and caps sold separately

Female Adapters and Plugs

	90° Female Adapters	45° Female Adapters
Female NST (NH)	Hardcoated Part #	Hardcoated Part #
4-1/2"	ADH90F45F	ADH45F45F
6"	ADH90F60F	ADH45F60F

Rocker Lug Plugs with Cable

Male NST (NH)	Hardcoated Part #
4-1/2"	PLUG450F-C
6"	PLUG600F-C

adapters and plugs sold separately

N

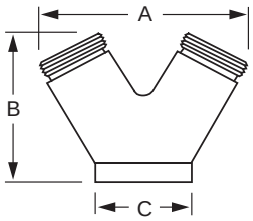
Two-Way Male Outlet – Roof Connections

Application
- Used to create roof connections, fire pump test connections, wall hydrants or sidewalk (free standing) hydrants

Feature
- Other configurations are available, contact Dixon® for additional information

Specifications
- Maximum operating pressure: **175 PSI** at **70°F (21°C)**
- Provides **250 GPM** minimum per outlet

Approval
- UL listed



Back Outlet

Pipe Size	(2) Outlets Male	Cast Brass Part #
4"	2-1/2" NPT	IRC4025[1]
		FRC4025
	2-1/2" NST (NH)	IRC4025F[1]
		FRC4025F
6"	2-1/2" NPT	FRC6025
	2-1/2" NST (NH)	FRC6025F

Groove Size	(2) Outlets Male	Cast Brass Part #
4"	2-1/2" NST (NH)	IRC4025GF[1]

[1] Import

Dimensions

Size	A	B	C
4" x 2-1/2" x 2-1/2"	7-7/8"	5-3/16"	5-1/4"
6" x 2-1/2" x 2-1/2"	8-3/16"	6-3/8"	7-5/8"

Two-Way Male Outlet – Roof Connections

Application
- Used to create roof connections, fire pump test connections, wall hydrants or sidewalk (free standing) hydrants

Specifications
- Maximum operating pressure: **175 PSI** at **70°F (21°C)**
- Provides **250 GPM** minimum per outlet

Approval
- UL listed

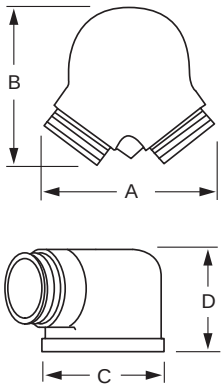
90˚ Bottom Outlet

Pipe Size	(2) Outlets Male	Cast Brass Part #
4"	2-1/2" NPT	90IRC4025
		90FRC4025
	2-1/2" NST (NH)	90IRC4025F
		90FRC4025F
6"	2-1/2" NPT	90FRC6025
	2-1/2" NST (NH)	90FRC6025F

Groove Size	(2) Outlets Male	Cast Brass Part #
4"	2-1/2" NPT	90IRC4025G
	2-1/2" NST(NH)	90IRC4025GF

Dimensions

Size	A	B	C	D
4" x 2-1/2" x 2-1/2"	7-1/2"	6-3/4"	5-1/8"	4-1/2"
6" x 2-1/2" x 2-1/2"	9"	8-1/2"	7-1/2"	5"



N

Sleeve for Sidewalk (Free Standing) Connections

Application

- Used in conjunction with a sidewalk escutcheon and a 90° double clapper Siamese to create a sidewalk (free standing) fire department connection
- Finishes: -P polished, -C polished chrome plated

Pipe Size	Length	Brass Part #
4"	18"	SS418-P
		SS418-C
	24"	SS424-P
		SS424-C
6"	18"	SS618-P
		SS618-C
	24"	SS624-P
		SS624-C

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Single Clapper Siamese Connections

Features
- Single swing clapper with (2) pin lug swivel inlets
- Design provides unobstructed waterway
- Exposed Fire Department Connections (FDC) provide an economical method of satisfying local fire codes
- Branding: Auto-Spkr
- Replacement swivels can be ordered on page 836
- Finishes: -P polished or -C polished chrome plated

Specifications
- Maximum operating pressure: **250 PSI** at **70°F (21°C)**
- Provides **500 GPM** minimum to supplement the fire protection as an auxiliary inlet connection to the water supply (**250 GPM** minimum per inlet)

Back Outlet

Approval
- UL listed and FM approved

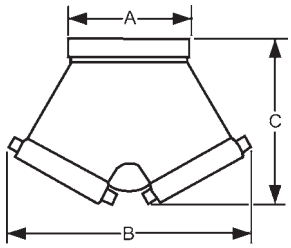
Outlet Female NPT Thread	(2) Inlets Female Thread	Cast Brass Part #
4"	2-1/2" NST (NH)	SCS4025F
		ISCS4025F[1]

[1] Imported

Dimensions

Size	A	B	C
4" x 2-1/2" x 2-1/2"	5-1/8"	9"	6-1/16"

NOTE: Dimensions match SCS4025F and SCS4025NYFD



N

Bottom Outlet

Approval
- UL listed

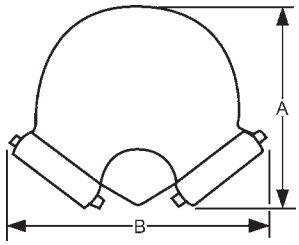
Outlet Female NPT Thread	(2) Inlets Female Thread	Cast Brass Part #
4"	2-1/2" NST (NH)	90SCS4025F
		90ISCS4025F[1]

[1] Imported

Dimensions

Size	A	B
4" x 2-1/2" x 2-1/2"	6-7/8"	9-7/8"

NOTE: Dimensions match 90SCS4025F and 90SCS4025NYFD.

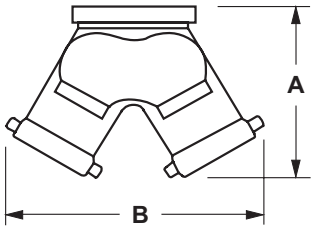


Double Clapper Siamese Connections

Features
- Double drop clapper with (2) pin lug swivel inlets provides required **500 GPM** minimum to supplement the fire protection as an auxiliary inlet connection to the water supply (**250 GPM** minimum per inlet)
- Exposed Fire Department Connections (FDC) provide an economical method of satisfying local fire codes
- Finish: -P polished or -C polished chrome plated
- Maximum operating pressure: **175 PSI** at **70°F (21°C)**

Approval
- UL listed and FM approved

Specification



Back Outlet

Outlet Female NPT Thread	(2) Inlets Female Thread	Branding	Cast Brass Part #
4"	2-1/2" NST(NH)	AutoSprinkler	DCS4025F
			DCS4025F-P
			DCS4025F-C
		StandPipe	DCS4025F-SP
		No Branding	DCS4025F-NB
	3" NST(NH)	AutoSprinkler	DCS4030F
	3" NYFD		DCS4030NYFD
6"	2-1/2" NST(NH)		DCS6025F[1]
	2-1/2" NST(NH)	StandPipe	DCS6025F-SP[1]

Dimensions

Size	A	B
4" x 2-1/2" x 2-1/2"	9-5/8"	12-1/4"
6" x 2-1/2" x 2-1/2"	10-1/4"	11-3/4"
4" x 3" x 3"	10"	12-1/2"
6" x 3" x 3"	10-3/8"	12-1/2"

N

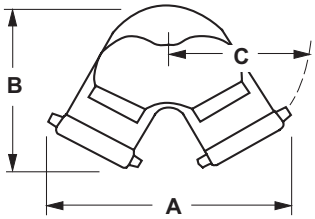
polished

Bottom Outlet

Outlet Female NPT Thread	(2) Inlets Female Thread	Branding	Cast Brass Part #
4"	2-1/2" NST(NH)	AutoSprinkler	90DCS4025F
			90DCS4025F-P
			90DCS4025F-C
		StandPipe	90DCS4025F-SP
		No Branding	90DCS4025F-NB
	3" NST(NH)	AutoSprinkler	90DCS4030F
	3" NYFD		90DCS4030NYFD
		StandPipe	90DCS4030NYFDSP
6"	2-1/2" NST(NH)	AutoSprinkler	90DCS6025F[1]
		StandPipe	90DCS6025F-SP[1]
	3" NYFD	AutoSprinkler	90DCS6030NYFD[2]

Dimensions

Size	A	B	C
4" x 2-1/2" x 2-1/2"	11-3/4"	9-5/8"	7-1/4"
6" x 2-1/2" x 2-1/2"	11-3/4"	10-3/4"	
4" x 3" x 3"	12-1/2"	10-1/8"	
6" x 3" x 3"	12-1/4"	10-7/8"	



NOTES: Special threads, branding, and finishes are available, consult Dixon® for information. Replacement swivels can be ordered on page 836.

[1] Models are not UL listed or FM approved

[2] Models are UL listed but not FM approved

Triple Clapper Siamese Connections

Feature
- Branding: see below

Material
- Finishes: -P polished or -C polished chrome plated

Specification
- Maximum operating pressure: **175 PSI** at **70°F (21°C)**

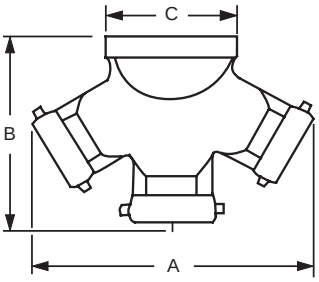
Back Outlet

Outlet Female NPT Thread	(3) Inlets Female NST (NH) Thread	Branding	Cast Brass Part #
4"	2-1/2"	AutoSprinkler	TCS4025F
		StandPipe	TCS4025F-SP
		No Branding	TCS4025F-NB
6"		AutoSprinkler	TCS6025F
		StandPipe	TCS6025F-SP
		No Branding	TCS6025F-NB

polished

Dimensions

Size	A	B	C
4" x 2-1/2" x 2-1/2" x 2-1/2"	13-3/4"	10-1/2"	5"
6" x 2-1/2" x 2-1/2" x 2-1/2"			7-1/2"



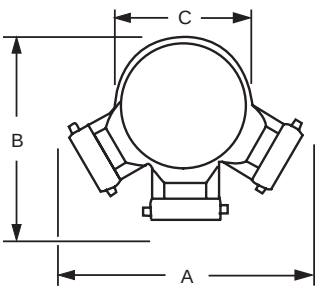
Bottom Outlet

Outlet Female NPT Thread	(3) Inlets Female NST (NH) Thread	Branding	Cast Brass Part #
4"	2-1/2"	AutoSprinkler	90TCS4025F
		No Branding	90TCS4025F-NB
6"		AutoSprinkler	90TCS6025F
		No Branding	90TCS6025F-NB

N

Dimensions

Size	A	B	C
4" x 2-1/2" x 2-1/2" x 2-1/2"	14-1/2"	11-1/2"	7-5/8"
6" x 2-1/2" x 2-1/2" x 2-1/2"			



NOTES: Special threads, branding, and finishes are available, consult Dixon® for information.
Replacement swivels can be ordered on page 836.

FM

Reversible Concealed Angle Siamese Body

4" X 2-1/2"
unpolished

6" X 3"
unpolished

6" X 3"
polished

Application
- Stainless steel FDC provides water up to 90 stories without auxiliary pumping systems

Sizes
- Bodies: 4" and 6"
- Snoots: 2-1/2" x 2-1/2" and 2-1/2" x 3"

Features
- Uniquely designed clappers are fully reversible with perpendicular trunnion, allowing one body to be installed for top or bottom connections
- Concealed unit mounts behind a wall plate; escutcheon for exposed installation sold separately

Materials
- Body: 316 stainless steel
- Shutters: 4" x 2-1/2": brass
  6" x 3": 316 stainless steel
- Snoots: 316 stainless steel
- Pivot pins: brass on concealed units, stainless steel on exposed units

Specifications
- 4" x 2-1/2" maximum working pressure: **500 PSI**
- 6" x 3" maximum working pressure: **600 PSI**

Approvals
- 4" x 2-1/2" is FM Approved
- 6" x 3" is FM and New York Fire Department approved

Outlet	(2) Inlets	Description	Stainless Steel Part #
4" NPT	2-1/2" NPT	concealed angle body	4025REV90SS
6" grooved	3" NPT	concealed straight body	DCS6030GSS
6" NPT	3" NPT	concealed or exposed angle body	90CREV6030SS
		concealed or exposed angle body polished	90CREV6030SS-P
6" NPT	3" NPT	reversible NYFD fire department connection assembly for exposed installation with proper identification plate (not included). Customer may choose from open snoots below for alternatives. Contact Dixon® for part number	90CREV6030SSPAT

N

2-1/2" x 3" male
polished satin

3" x 3" male
polished satin

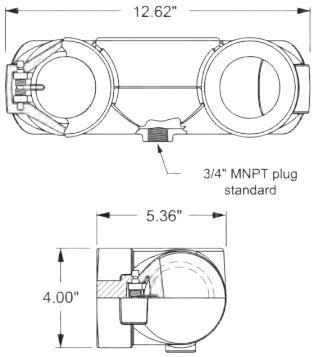
Open Snoots

Swivel	NPT Thread	PSI	Stainless Steel Female Part #	Stainless Steel Male Part #
2-1/2" NST (NH)	2-1/2"	**500**	SF250FSS	SM250FSS
	3"	**600**	SF2530FSS	SM2530FSS
3" NST (NH)	3"	**600**	SF300FSS	SM300FSS
3" NYFD	3"	**600**	SF300NYFDSS	SM300NYFDSS

Reversible Concealed Angle Siamese Bodies

Features
- Fully reversible with a perpendicular trunnion allowing one body to be installed for top and bottom connections
- Bodies require wall plate WP2 see page 859

Specification
- Maximum operating pressure: **250 PSI** at **70°F (21°C)**



Approvals
- UL listed
- Approved by New York City Board of Standards and Appeals

Outlet Female NPT Thread	(2) Inlets Female NPT Thread	Brass Part #
4"	2-1/2"	4025REV90
	3"	4030REV90

Reversible Concealed Angle Siamese Bodies

Features
- Fully reversible with a perpendicular trunnion allowing one body to be installed for top and bottom connections
- Replaces 23-391 bodies

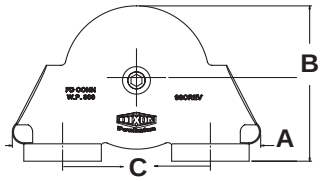
Specification
- Maximum operating pressure: **250 PSI** at **70°F (21°C)**

Outlet Female NPT Thread	(2) Inlets Female NPT Thread	Brass Part #
5"	2-1/2"	90CREV5025
	3"	90CREV5030
6"	2-1/2"	90CREV6025
	3"	90CREV6030

N

Dimensions

Size	A	B	C
5" x 3" x 3"	12"	9-1/2"	7-5/8"
6" x 2-1/2" x 2-1/2"	12"	7--1/4"	7-5/8"
6" x 3" x 3"	12"	9-1/2"	7-5/8"



Spring Check Type Snoots – Pin Lug

Features
- Other configurations are also available, consult Dixon® for information
- Finishes: -P polished, -C polished chrome plated

Specification
- Maximum operating pressure: **175 PSI** at **70°F (21°C)**

Female Outlet

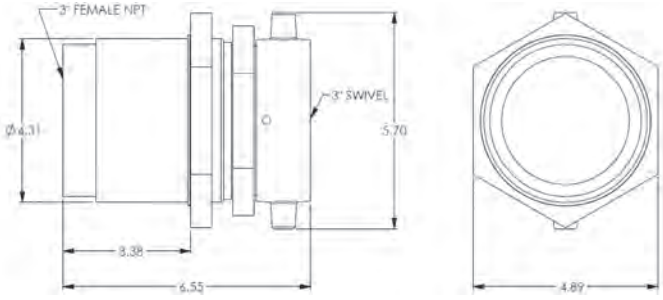
Feature
- Connections are attached to the bodies with pipe nipples (not included)

Specification
- Female NPT rigid with hexagon by female hose thread to swivel

polished, chrome plated

Outlet Female NPT Thread	Inlet Female NST (NH) Thread	Cast Brass Part #
3"	2-1/2"	CSSTF25F30T-P
		CSSTF25F30T-C
	3"	CSSTF30F30T-P

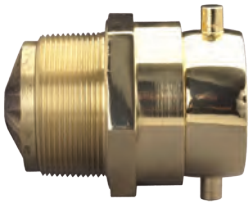
Dimensions



Male Outlet

Features
- Used when a direct connection to bodies is desired
- Finishes: -P polished, -C polished chrome plated

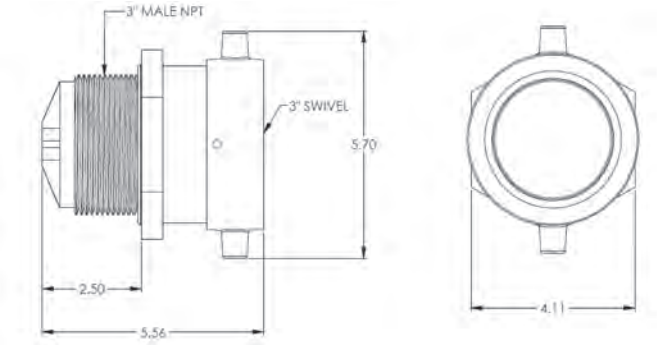
Specification
- Male NPT x 2-1/2" female hose thread to swivel



polished

Outlet Male NPT Thread	Inlet Female NST (NH) Thread	Cast Brass Part #
3"	2-1/2"	CSSTM25F30T-P
		CSSTM25F30T-C
	3"	CSSTM30F30T-P
		CSSTM30F30T-C

Dimensions



NOTE: Under no circumstances should a check snoot be installed directly into a pipe, as this may prevent the snoot from opening. Install directly into the appropriate standpipe body only.

Clapper Type Snoots – Pin Lug

Features
- Other sizes and threads are available, consult Dixon® for information
- Finishes: -P polished, -C polished chrome plated

Approval
- UL listed

Specification
- Working pressure: **300 PSI**

Outlet Female NPT Thread	Inlet Female NST (NH) Thread	Cast Brass Part #
3"	2-1/2"	CSCTF25F30T-P
		CSCTF25F30T-C

polished, chrome plated

Outlet Male NPT	Inlet Female NST (NH)	Cast Brass Part #
3"	2-1/2"	CSCTM25F30T-P
		CSCTM25F30T-C

polished

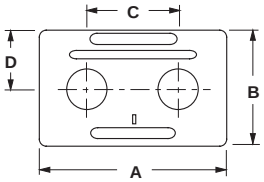
Wall Plate for Double Clapper Siamese Assemblies

Features
- 4-hole and 6-hole wall plates available, consult Dixon for information
- Finishes: -P polished, -C polished chrome plated

Hole Size	Branding	Brass Part #
3-3/8"	AutoSprinkler	WP2HH-AS-P611
		WP2HH-AS-C611
	StandPipe	WP2HH-SP-P611
		WP2HH-SP-C611
	AutoSprinkler StandPipe Combo	WP2HH-ASSP-P610
		WP2HH-ASSP-C611
	Hydrant	WP2HH-HYD-P611
	PumpTest	WP2HH-PTC-P611
		WP2HH-PTC-C611

Dimensions

Hole Size	A	B	C	D
3-3/8"	14"	8"	7-5/8"	4-15/16"

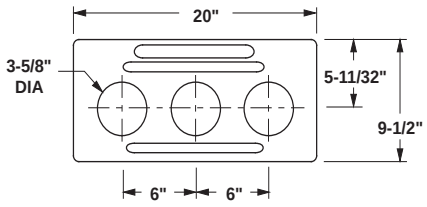


Wall Plate for Concealed 3-Way Bodies

Features
- 4-hole and 6-hole wall plates available, consult Dixon for information
- Finishes: -P polished, -C polished chrome plated

Hole Size	Positioned	Branding	Brass Part #
3-5/8"	Horizontal	AutoSprinkler	WP3HH-AS-P231
			WP3HH-AS-C231
		StandPipe	WP3HH-SP-P231
			WP3HH-SP-C231

Dimensions



Double Clapper Concealed Siamese Assemblies

Features
- Fully reversible with a perpendicular trunnion allowing one body to be installed for top and bottom connections
- Branded: 'standpipe', 'auto-spkr', 'auto-spkr-standpipe'
- Complete unit consisting of the following six parts: (1) 4025REV90, or 4030REV90, or 90CREV6025, (1) 24-385 plate, (2) 23-270 double female connections, (2) 17-127 plugs with chains
- Finishes: -P polished or -C polished chrome plated

Specification
- Maximum operating pressure: **250 PSI**

Approvals
- UL listed, FM approved

Outlet Female NPT Thread	(2) Inlets Female NST (NH) Thread	Branding	Cast Brass Part #
4"	2-1/2"	AutoSprinkler	2WCA4025F-P
		StandPipe	2WCA4025F-SP-P
		AutoSprinkler	2WCA4025F-C
		StandPipe	2WCA4025F-SP-C
	3"	AutoSprinkler	2WCA4030F-P
6"	2-1/2"	AutoSprinkler	2WCA6025F-P
		StandPipe	2WCA6025F-SP-P
		AutoSprinkler	2WCA6025F-C
		StandPipe	2WCA6025F-SP-C

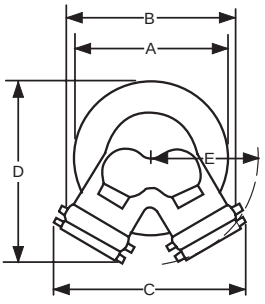
NOTE: Other branding and finishes are also available, consult Dixon® for information

2-Way Sidewalk Siamese Assemblies

Features
- Complete unit consists of: (1) 21-133 90° Siamese body, double clapper, (2) 17-127 pin lug plugs with chains, (1) 23-404 sleeve, (1) 24-405 escutcheon plate
- Finishes: -P polished or -C polished chrome plated

Approvals
- UL listed, FM approved

Outlet Female NPT Thread	(2) Inlets Female Thread	Cast Brass Part #
4"	2-1/2"	2WSA4025F
		2WSA4025F-SP
6"		2WSA6025F
		2WSA6025F-SP



Dimensions

Size	A	B	C	E	F
4" x 2-1/2" x 2-1/2"	9-1/4"	10-3/8"	10-3/4"	10-3/8"	6-5/8"
6" x 2-1/2" x 2-1/2"	11-1/4"	10-1/2"	11-3/4"	13"	7-1/4"

NOTE: Some components UL listed/FM approved, not entire assembly.

Single Inlet Residential Sprinkler Connection

Application
- Complete single inlet connection (exposed type) used on residential automatic sprinkler systems

Feature
- Complete unit consists of: (1) 17-127 1-1/2" pin lug plug with chain and (1) 24-209 4-7/16" O.D. round escutcheon plate with swivel

Inlet Female NST (NH) Thread	Outlet Female NPT Thread	Cast Brass Part #
1-1/2"	1-1/2"	RIC150F

Single Inlet Connections

Features
- Provides a complete exposed single inlet connection
- Complete unit consists of: (1) 24-209 round plate branded Auto Sprinkler, (1) 23-270 double female or 09-215 male and female connection, (1) 17-127 pin lug plug with chain
- Swivel end
- Finish: -P polished or -C polished chrome plated

Specification
- Rigid hexagon end of either connection is 2-1/2" NPT

Inlet Female NST (NH) Thread	Outlet Female NPT Thread	Brass Part #
2-1/2"	2-1/2"	SIC250F
		SIC250F-P
		SIC250F-C

Single Hydrant Connection

Features
- Complete unit consists of: (1) 24-209 round plate branded 'Wall Hydrant', (1) 23-272: 2-1/2" female and male connection, (1) 17-126 cap with chain
- Finish: -P polished or -C polished chrome plated

Inlet Female NPT Thread	Outlet Male NST (NH) Thread	Cast Brass Part #
2-1/2"	2-1/2"	MOCA250F

Exposed 2-Way Wall Hydrants

Features
- DMOCA40225F consists of: (1) REP400HY round plate branded 'Wall Hydrant', (1) FRC4025F: 2-1/2" female and male connection, (2) FC250F cap with chain
- DMOCA60225F consists of: (1) REP600HY round plate branded 'Wall Hydrant' (1) FRC6025F: 2-1/2" female and male connection, (2) FC250F cap with chain
- Finish: -P polished or -C polished chrome plated

Inlet Female NPT Thread	(2) Outlets Male NST (NH) Thread	Cast Brass Part #
4"	2-1/2"	DMOCA40225F
6"		DMOCA60225F

Round Identification Plates

REP250AS-C

REP250AS-P

REP400AS

Application
- Used to trim out and identify exposed fire department connections

Size
- For Siamese, made in 9-1/4" diameter for 4" pipe and 11-1/4" diameter for 6" pipe

Feature
- Finishes: -P polished, -C polished chrome plated

Pipe Size	Branding	Cast Brass Part #
2-1/2"	Auto-Sprinkler	REP250AS-D
		REP250AS-P
		REP250AS-C
	Wall Hydrant	REP250HY-D
	Pump Test	REP250PT-D
	Standpipe	REP250SP
		REP250SP-P
		REP250SP-C
4"	Auto-Sprinkler	REP400AS-D
		REP400AS-D-P
		REP400AS-D-C
	Wall Hydrant	REP400HY-D
	Standpipe	REP400SP-D
		REP400SP-P
		REP400SP-C
	Auto-Sprinkler and Standpipe	REP400AS/SP-D
6"	Auto-Sprinkler	REP600AS
		REP600AS-P
		REP600AS-C
	Standpipe	REP600SP
		REP600SP-P
		REP600SP-C

Dimensions

Size	O.D.	Hole Size
2-1/2"	7-5/8"	3-1/4"
4"	9-1/4"	4-5/8"
6"	11-1/4"	6-3/4"

British Instantaneous Fittings

Feature
- Polished finish

Approval
- Meets BS336 specifications

Female x Female Threads

Female BRIT Thread	Female Thread	Brass Part #
2-1/2"	2-1/2" NST (NH)	BID250F
	2-1/2" NPT	BID250T

Female x Male Threads

Female BRIT Thread	Male Thread	Brass Part #
2-1/2"	2-1/2" NST (NH)	BIB250F
	2-1/2" NPT	BIB250T

Male x Female Threads

Male BRIT Thread	Female Thread	Brass Part #
2-1/2"	2-1/2" NST (NH)	BIA250F
	2-1/2" NPT	BIA250T

Male x Male Threads

Male BRIT Thread	Male Thread	Brass Part #
2-1/2"	2-1/2" NST (NH)	BIF250F
	2-1/2" NPT	BIF250T

British Instantaneous Fittings

BIE150

BIC150

Hose Shanks

Size	Brass Part #
2-1/2" male BRIT x 1-1/2" hose shank	BIE150
2-1/2" male BRIT x 2-1/2" hose shank	BIE250
2-1/2" female BRIT x 1-1/2" hose shank	BIC150
2-1/2" female BRIT x 2-1/2" hose shank	BIC250

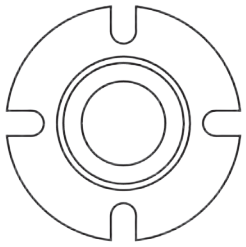
Plug

Size	Brass Part #
2-1/2"	BIDP250

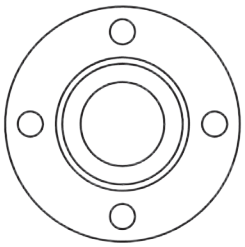
Cap

Size	Brass Part #
2-1/2"	BIDC250

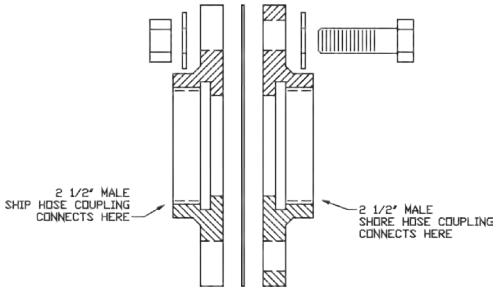
International Shore Connections



ship connection
09-319



shore connection
09-318



Size
- 7" O.D. brass flange with 4-3/4" holes

09-318-00001

Applications
- Makes possible the connection of two different threads between ship and shore or between ships

Feature
- Includes 8 washers, 4 hexagon brass nuts, 4 hex head bolts, 1 washer, 1 fiber gasket

Specifications
- Working pressure: **300 PSI**
- NST (NH) threads standard, also available in NPT and NYFD threads

09-319-00001

Approval
- Meets U.S. Coast Guard specifications for vessels 1000 gross tons or more

Description	Brass Part #
shore side	09-318-00001
ship side	09-319-00001

Description	Part #
repair kit	BISC-RK

Pick Head Fire Axes

Size
- 36" hickory handle

Feature
- Red trim

Approval
- Listed in the minimum requirements approval guides for outfitting hose houses and hose cabinets by insurance underwriters

Description	Part #
6 lb. axe	PHFA6
axe brackets	PHFA-B-A

Sprinkler Line Tester

Application
- Installs on the last sprinkler head on system branch lines and controls water flow for flushing or testing the system

Inlet	Outlet	Brass Part #
1" female NPT	1" male NPSH	SLT10050

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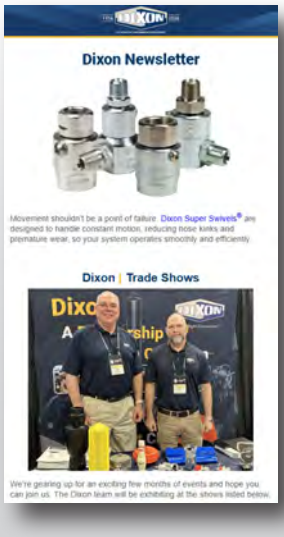

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Domestic Cast Angle Valves

Material
- Aluminum hand wheel

Specification
- Working pressure: **300 PSI** at **70°F (21°C)**

Approval
- UL listed and FM approved

Female x Male

Inlet Female NPT	Outlet Male Thread	Cast Brass Part #
1-1/2"	1-1/2" NST (NH)	AV150
	1-1/2" NPSH	AV150S
	1-1/2" NPT	AV150T
2-1/2"	2-1/2" NST (NH)	AV250
	2-1/2" NYFD	AV250NYFD[1]

[1] Supplied with red hand wheel

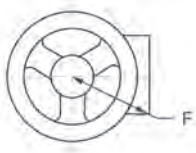
Female x Female

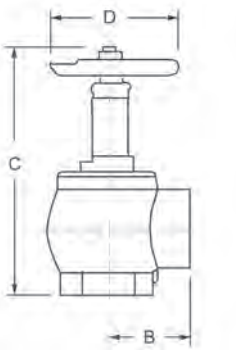
Inlet Female NPT	Outlet Female NPT	Cast Brass Part #
1-1/2"	1-1/2"	AVF150
2-1/2"	2-1/2"	AVF250

N

Replacement Parts

Description	Part #
aluminum handwheel for 1-1/2" valve	AV150-W
aluminum handwheel for 2-1/2" valve	AV250-W
handwheel nut for 1-1/2" valve	AV150-N
handwheel nut for 2-1/2" valve	AV250-N
valve seal rubber for 1-1/2" valve	AV150-RBR
valve seal rubber for 2-1/2" valve	AV250-RBR





Dimensions

Size	A	B	C closed	C open	D	F
1-1/2"	2-11/64"	2-7/32"	6-5/8"	7-21/32"	3-3/4"	2-13/16"
2-1/2"	3-3/16"	3-3/16"	9-1/4"	11"	5"	3-19/32"

Grooved Angle Valves

Application
- Commercial fire protection

Features
- Easy for contractor to install
- Groove inlet
- Made in the USA

Material
- Nitrile rubber gasket

Specification
- Working pressure: **300 PSI** at **70°F (21°C)**

Approvals
- UL listed, FM approved, ULC approved

Description	Cast Brass Part #
groove x male	AVG250F
groove x groove	AVG250G
groove x female	AVGF250

500# Angle Hose Valves

Applications
- Fire department, gravity and pressure tank connections, test connections, and public water supplies to sprinkler and standpipe systems where it is necessary to access the system for a fire hose connection

Feature
- Red handwheel

Specifications
- Designed and approved to manage **500 PSI** pressures in piping systems
- Maximum operating pressure: **500 PSI** at **70°F (21°C)**

Approvals
- FM approved
- New York City Board of Standards and Appeals, approval # MEA 54-07-E

Female x Male

Inlet Female NPT	Outlet Male Thread	Cast Brass Part #
2-1/2"	2-1/2" NST (NH)	AV5-250F
	2-1/2" NYFD	AV5-250NYFD

Female x Female

Inlet Female NPT	Outlet Female NPT	Cast Brass Part #
2-1/2"	2-1/2"	AVF5-250

Global Angle Valves

AV250 -F
female x male

AVF250 - F
female x female

Applications
- Class I, II, and III standpipes
- Commercial fire protection
- Hose racks

Sizes
- 1-1/2" and 2-1/2"

Features
- **Other male outlet thread configurations available upon request**
- **Female NPT inlet only**

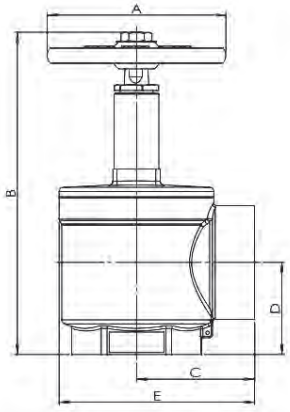
Materials
- Body: forged brass
- Handwheel: aluminum
- Available finishes:
  - rough brass (standard)
  - polished= -P
  - chrome= -C

Specification
- Maximum operating pressure: **300 PSI** at **70°F (21°C)**

Approvals
- UL listed
- FM approved

Size	Description	Part #
1-1/2"	NPT female inlet X NPT female outlet	AVF150-F
	NPT female inlet X NH male outlet	AV150-F
2-1/2"	NPT female inlet X NPT female outlet	AVF250-F
	NPT female inlet X NH male outlet	AV250-F

N



Dimensions

Size	A	B (open)	B (closed)	C	D	E
1-1/2"	3.75"	7.94"	6.94"	2.18"	1.87"	3.65"
2-1/2"	5"	10.82"	9.03"	3.31"	2.58"	5.47"

Global Forged Angle Hose Valves

Application
- To be used with a fire hose rack assembly; or as a fire department outlet connection

Features
- Red steel handwheel
- Polished or chrome plated parts with other outlet threads are also available, consult Dixon® for information

Specification
- Maximum operating pressure: **300 PSI** at **70°F (21°C)**

Approvals
- UL listed and FM approved

Female x Male

Inlet Female NPT	Outlet Male Thread	Forged Brass Part #
1-1/2"	1-1/2" NST (NH)	AV151
2-1/2"	2-1/2" NST (NH)	AV251
	2-1/2" NYC	AV251NYC
	2-1/2" NYFD	AV251NYFD

Female x Female

Inlet Female NPT	Outlet Female NPT	Forged Brass Part #
1-1/2"	1-1/2"	AVF151
2-1/2"	2-1/2"	AVF251

Replacement Parts

Description	Part #
handwheel for 1-1/2" valve	AV151-WR
handwheel for 2-1/2" valve	AV251-WR
handwheel nut for 1-1/2" and 2-1/2" valve	AV251-N
valve seal rubber for 1-1/2" valve	AV151-RBR
valve seal rubber for 2-1/2" valve	AV251-RBR

AV251-N

AV151-RBR

N

Domestic Non-Rising Stem Wedge Disc Gate Valves

Features
- Cap and chain included
- Solid wedge disc with tapered seats
- Other configurations are available, contact Dixon® for additional information

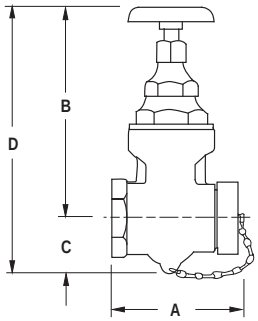
Materials
- Red iron handwheel, with brass cap and chain

Specification
- Working pressure: **300 PSI** at **70°F (21°C)**

Approvals
- 2-1/2" UL, FM, and ULC

Inlet Female NPT	Outlet Male Thread	Cast Brass Part #
1-1/2"	1-1/2" NST (NH)	WDGV150F[1]*
2-1/2"	2-1/2" NST (NH)	WDGV250F
	2-1/2" NYFD	WDGV250NYFD
	2-1/2" NYC	WDGV250NYC
3"	2-1/2" NST (NH)	WDGV3025F-D*
		WDGV3025F-LB*

[1] Green handwheel
* FM, UL, and ULC not approved



2-1/2"

Dimensions

Size	A	B	C	D
1-1/2"	3-49/64"	5-5/8"	1-1/8"	6-6/8"
2-1/2"	6"	10-3/4"	2-1/2"	13-1/4"
3" x 2.5"	6-1/2"	9-1/2"	2-1/2"	12"

Global Non-Rising Stem Wedge Disc Gate Valves

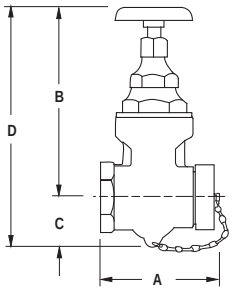
Features
- Available finishes:
  - cast (standard)
  - polished trim - P
  - cast chrome - RC
  - polished chrome trim - C
- Custom male thread available
- Non-rising stem

Materials
- Cast brass with solid wedge disc and tapered seats
- Red iron wheel handle with cap and chain (cap not supplied on non-standard threads)
- Alloy = DZR brass
- Furnished with 2-1/2" NST brass cap and chain

Specification
- Working pressure: **300 PSI** (**2069 kPa**)

Approvals
- UL listed, FM approved, and ULC approved

Inlet Female NPT	Outlet Male NST	UL Listed	Cast DZR Brass Part #
2-1/2"	2-1/2"	yes	GWDGV250F



Dimensions

Size	A	B	C	D
2-1/2"	5"	7-3/4"	2-1/2"	10"

Rising Stem Wedge Disc Gate Valves

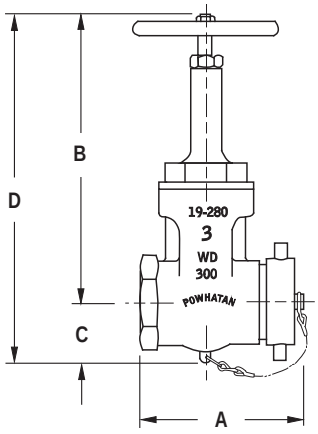
Features
- Solid wedge disc with tapered seats
- Not recommended for wet standpipe systems, use AV250 (18-157) for this purpose, see page 866
- Other configurations are available, contact Dixon® for additional information

Material
- Red iron handwheel, with brass cap and chain

Approval
- 3" UL

Inlet Female NPT	Outlet Male	Working Pressure PSI	Cast Brass Part #
2-1/2"	2-1/2" NST (NH)	**200**	RWDGV250F
3"		**300**	RWDGV3025F

Dimensions



Size	A	B closed	C	D closed	D open
2-1/2"	6-1/2"	11"	2-1/2"	13-1/2"	16-1/4"
3" x 2-1/2"	6-3/16"				

N

Value Proposition

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Single Hydrant Gate Valves with Hand Wheel

Applications
- Used to throttle the flow from a fire hydrant preventing damage to the hydrant
- For use on standpipes and fire pumps where UL listing is required

Features
- O-ring seal
- Other configurations are available, contact Dixon® for additional information

Specification
- Maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**

Approval
- UL listed

Inlet Female	Outlet Male	Cast Red Brass Part #
2-1/2" NST (NH)	2-1/2" NST (NH)	UHGV250F
		UHGV250F-D

Replacement Part

Description	Part #
handwheel	UHGV250-W

Single Hydrant Gate Valves with Speed Handle

Applications
- Used to throttle the flow from a fire hydrant preventing damage to the hydrant
- For use on hydrants, standpipes, and fire pumps

Feature
- Other configurations are available, contact Dixon for additional information

Materials
- Pin lug swivel, non-rising stem, aluminum speed handle
- Rubber seal

Specification
- Maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**

Inlet Female	Outlet Male	Cast Red Brass Part #
2-1/2" NST (NH)	2-1/2" NST (NH)	HGV250F
		HGV250F-D
	2-1/2" NPSH	HGV250

Replacement Part

Description	Aluminum Part #
speed handle	HGV250-H

Global Single Hydrant Gate Valves with Handwheel

Applications
- Protects fire hydrants from damage that can occur if they are used for throttling
- For use on hydrants, standpipes, and fire pumps

Materials
- Pin lug swivel, non-rising stem, red handwheel
- Metal to metal seal

Specification
- Maximum operating pressure: **300 PSI** (water only) at **70°F (21°C)**

Approval
- UL listed

Inlet Female	Outlet Male	Forged Brass Part #
2-1/2" NST (NH)	2-1/2" NST (NH)	HGVW250F

Replacement Part

Description	Part #
handwheel	HGVW250-W

Hydrant Gate Valves with Speed Handle

Application
- Protects fire hydrants from damage that can occur if they are used for throttling

Size
- Full 2-1/2" waterway

Material
- Anodized throughout

Specification
- Max working pressure: **250 PSI** at **70°F (21°C)**

Inlet Female Swivel	Outlet Male	Aluminum Alloy, 356-T6 Part #
2-1/2" NPSH	2-1/2" NPSH	AHGV250S
2-1/2" NST (NH)	2-1/2" NST (NH)	AHGV250F

Replacement Parts

Description	Part #
handwheel and knob	HGV-HDWHL
knob only	HGV-KNOB

Global Hydrant Gate Valves with Speed Handle

Application
- Protects fire hydrants from damage that can occur if they are used for throttling

Materials
- Pin lug swivel, non-rising stem, and aluminum speed handle
- Non-metallic seal

Specification
- Maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**

Inlet Female NST (NH)	Outlet Male NST (NH)	Aluminum Alloy Part #
2-1/2"	2-1/2"	AHGV250F-I

Replacement Part

Description	Aluminum Part #
speed handle	AHGV250F-H

Large Diameter (LDH) Gate Valves

Application
- Used on the suction intake and discharge sides of a pumper or on a hydrant

Size
- 4-1/2" nominal value

Features
- 30° elbow needs only eight easy turns to open and close
- Non-rising stem, with an air bleed off

Material
- Finish anodized throughout – minimum thickness 0.001"

Specification
- Maximum operating pressure: **280 PSI** at **70°F (21°C)**, without relief valve

Storz x Storz

Inlet Storz	Outlet Storz	Length	Width	Height	Aluminum Alloy, 356-T6 Part #
4"	4"	9"	6-1/4"	19-1/2"	SGV440
	5"		7-3/4"		SGV450
5"	4"	9"	7-3/4"	19-1/2"	SGV540
	5"				SGV550

NOTE: All measurements include handles.

Storz x Storz 30° with Air Bleeder

Inlet Storz	Outlet Storz	Length	Width	Height	Aluminum Alloy, 356-T6 Part #
4"	4"	9"	6-1/4"	20.0"	SGV30-440
	5"		7-3/4"		SGV30-450
5"	4"	9"	7-3/4"	20.0"	SGV30-540
	5"				SGV30-550

NOTE: All measurements include handles.

Storz x Storz 30° with Air Bleeder and Pressure Release Valve

Inlet Storz	Outlet Storz	Part #
4"	4"	SGVR30-440
5"	5"	SGVR30-550

Large Diameter (LDH) Gate Valves

Storz x Female Swivel

Inlet Storz	Outlet Female NST Swivel	Length	Width	Height	Aluminum Alloy, 356-T6 Part #
4"	4"	9"	6"	19-1/2"	FSGV440F
	4-1/2"		6-1/2"		FSGV445F
	5"		7"		FSGV450F
	6"		8"		FSGV460F
5"	4"	9"	6"	19-1/2"	FSGV540F
	4-1/2"		6-1/2"		FSGV545F
	5"		7"		FSGV550F
	6"		8"		FSGV560F

NOTE: All measurements include handles.

Storz x 30° Female Swivel

Storz	Female NST Swivel	Part #	Length	Width	Height
4"	4"	FSGVR30-440F	9"	6"	19-1/2"
	4-1/2"	FSGVR30-445F	9"	6-1/2"	19-1/2"
	5"	FSGVR30-450F	9"	7"	19-1/2"
	6"	FSGVR30-460F	9"	8"	19-1/2"
5"	4"	FSGVR30-540F	9"	6"	19-1/2"
	4-1/2"	FSGVR30-545F	9"	6-1/2"	19-1/2"
	5"	FSGVR30-550F	9"	7"	19-1/2"
	6"	FSGVR30-560F	9"	8"	19-1/2"

with pressure relief valve

N

Replacement Handle for LDH Valves

Description	Part #
handwheel and knob	GV-HDWHL
knob only	GV-KNOB

Direct Mount Relief Valves

Description	Part #
pressure relief valve only	RV250
pressure relief valve with 2-1/2" male thread	MRV250
pressure relief valve with 2-1/2" female swivel thread	FRV250

Piston Intake Relief Valves

Size
- 4-1/2" minimum waterway

Features
- Standard with a 30° elbow (permitting smoother water flow), adjustable relief valve, retractable knob on hand wheel, and air bleed off
- Permits safe controlled flow to the intake pump and can also be used to draft
- Nine easy turns open and close the valve

Material
- Finish anodized throughout – minimum thickness 0.001"

Specifications
- **280 PSI** at **70°F (21°C)**, without relief valve
- Relief valve – double spring, cartridge type, adjustable from **50** to **200 PSI**

Storz x Female Swivel

Storz	Female Swivel NST (NH)	Length	Width	Height	Aluminum Alloy, 356-T6 Part #
4"	4"	12"	8"	17"	FSGR440F
	4-1/2"				FSGR445F
	5"				FSGR450F
	6"				FSGR460F
5"	4"	12"	8"	17"	FSGR540F
	5"				FSGR550F
	6"				FSGR560F

Female Swivel x Male

Male NST (NH)	Female NST (NH) Swivel	Length	Width	Height	Aluminum Alloy, 356-T6 Part #
4"	4"	12"	8"	17"	FMGR40F40F
	4-1/2"				FMGR40F45F
	5"				FMGR40F50F
	6"				FMGR40F60F
4-1/2"	4"	12"	8"	17"	FMGR45F40F
	4-1/2"				FMGR45F45F
	5"				FMGR45F50F
	6"				FMGR45F60F
5"	4"	12"	8"	17"	FMGR50F40F
	4-1/2"				FMGR50F45F
	5"				FMGR50F50F
	6"				FMGR50F60F
6"	6"	12"	8"	17"	FMGR60F60F

PV-HDWHL

Replacement Parts

Description	Part #
handwheel and knob	PV-HDWHL
knob only	PV-KNOB
set of two red seals	FSGV-RED-RK
repair kit	FSGV-RK

Wharf Hydrants

Application
- Used to provide a fire department outlet connection

Features
- Pentagon nut at top of spindle discourages unauthorized use
- Hydrostatically tested

Specification
- Maximum operating pressure: **300 PSI** at **70°F (21°C)**

Inlet Female NPT	Outlet Male NST (NH)	Height Open	Height Closed	Cast Brass Part #
3"	2-1/2"	16.38"	14.25"	WHYD3025F
4"	2-1/2"	16.38"	14.25"	WHYD4025F
	4-1/2"	18.13"	15.63"	WHYD4045F

Replacement Parts

Description	Part #
optional hand wheel	46-030-00025
pentagon hex nut	44-251-00006

46-030-00025

44-251-00006

Forestry Grade 1/4 Turn Ball Type Wye Valves

Material
- Cast aluminum swivel inlet, anodized body, hard-coated threads

Specification
- 1" and 1-1/2" for use up to **600 PSI** (water/AFFF only); 2-1/2" for use up to **400 PSI** (water/AFFF only)

Approval
- Built to U.S. Forest Service specifications

1" - 1-1/2"

2-1/2"

Female Thread	(2) Male Threads	Cast Aluminum Part #
1" NPSH	1" NPSH	FWV10S10S
1-1/2" NPSH	1-1/2" NPSH	FWV15S15S
1-1/2" NST (NH)	1-1/2" NST (NH)	FWV15F15F
2-1/2" NST (NH)	1-1/2" NST (NH)	FWV25F15F
	2-1/2" NST (NH)	FWV25F25F

N

1/4 Turn Ball Wye Valve

Features
- Rocker lug swivel
- Operates easily under high pressure
- Handles are not field replaceable
- Seals on the ball are field adjustable and field replaceable

Specification
- Maximum operating pressure: **250 PSI** (water only) at **70°F (21°C)**

Approval
- Meets NSN specifications # 4210-00-255-0234

Inlet Female	(2) Outlets Male	Cast Brass Part #
2-1/2" NST (NH)	1-1/2" NPSH	S7337S[1]
	1-1/2" NST	S7337F[1]

[1] Domestic

Full Flow 1/4 Turn Ball Wye Valves

Application
- Recommended for charged pre-connected hose lines

Features
- Pin lug swivel
- Other configurations are available, contact Dixon® for additional information

Specification
- Maximum operating pressure: **175 PSI** (water only) at **70°F (21°C)**

Inlet Female Swivel	(2) Outlets Male	Cast Brass Part #
1-1/2" NPSH	1-1/2" NPSH	S7100-15S
1-1/2" NST (NH)	1-1/2" NST (NH)	S7100-15
2-1/2" NST (NH)		S7100

Leader Line 1/4 Turn Ball Wye Valve

Feature
- Body painted red with chrome trim

Specification
- Maximum operating pressure: **300 PSI** (water only) at **70°F (21°C)**

Inlet Female NST (NH)	(2) Outlets Male NST (NH)	Brass Part #
2-1/2"	1-1/2"	LLBV2515F

2-Way Ball Valves

Inlet Female Swivel	(2) Outlet Male	Aluminum Part #
1-1/2" NST (NH)	1-1/2" NST (NH)	FMBV15F15F
1-1/2" NPSH	1-1/2" NPSH	FMBV15S15S
2-1/2" NST (NH)	1-1/2" NST (NH)	FMBV25F15F
	2-1/2" NST (NH)	FMBV25F25F
4" NST (NH)	2-1/2" NST (NH)	FMBV40F25F
4-1/2" NST (NH)	2-1/2" NST (NH)	FMBV45F25F

1-1/2"

2-1/2"

3" - 6"

Storz Inlet with 2 Outlets 2-Way Ball Valves

Application
- This valve will feed two smaller attack lines from one large diameter supply line. The 2-1/2" outlet is a gated ball valve resulting in a safe controlled flow of water.

Features
- Available with a Storz or threaded combinations
- It can be used to distribute water in the opposite direction
- Water way: inlet side – 4-1/2" maximum, 2 outlets – 2-1/2" maximum
- Finish hardcoat anodized throughout – minimum thickness 0.001"

Material
- High strength aluminum alloy, 356-T6

Specification
- Up to **280 PSI** working pressure without relief valve at **70˚F (21˚C)**

Inlet Storz	(2) Outlet Storz	Part #	Length	Width	Height
2-1/2"	2-1/2"	SBV2525	9"	8"	7"
3"	2-1/2"	SBV325	9"	8-1/2"	7"
4"	2-1/2"	SBV425	12"	9-3/4"	9"
5"	2-1/2"	SBV525	12-1/2"	12"	9"
6"	2-1/2"	SBV625	13"	12"	9"

Plain Wyes with Pin Lugs

Feature
- Divides one stream into two

Inlet Female	(2) Outlets Male	Cast Brass Part #
1-1/2" NST (NH)	1-1/2" NST (NH)	PW15F15F
1-1/2" NPSH	1-1/2" NPSH	PW15S15S
2-1/2" NST (NH)	1-1/2" NST (NH)	PW25F15F
	2-1/2" NST (NH)	PW25F25F

NOTE: Rebuild kits not available.

Straight Globe Valves

Applications
- Used with a fire hose rack assembly, or as a fire department outlet connection
- Ideal for wet and combination systems

Material
- Aluminum handwheel

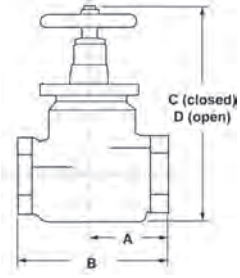
Specification
- Maximum operating pressure: **300 PSI** at **70°F (21°C)**

Female x Male

Inlet Female NPT	Outlet Male NST (NH)	Cast Brass Part #
1-1/2"	1-1/2"	SGV150F
2-1/2"	2-1/2"	SGV250F

Female x Female

Inlet Female NPT	Outlet Female NPT	Cast Brass Part #
1-1/2"	1-1/2"	SGVF150
2-1/2"	2-1/2"	SGVF250



Dimensions

Size	A	B	C closed	D open
1-1/2"	2-3/8"	4-3/4"	7-1/4"	8"
2-1/2"	3-9/32"	6-9/16"	7-3/8"	8-1/8"

N

Angled Ball Drip Valves

Feature
- Seals automatically under pressure

Specifications
- Installed horizontally, the ball seats at approximately **8-10 PSI**
- Working pressure: **175 PSI** at **70°F (21°C)**

Male NPT	Male NPT	Brass Part #
1/2"	1/2"	ASBDV50
3/4"	3/4"	ASBDV75

Straight Ball Drip Valves

Application
- Designed to drain the low point of a system

Features
- Place valve between a fire department connection and a swing check valve
- Seals automatically under pressure
- Install horizontally

Specification
- Working pressure: **175 PSI** at **70°F (21°C)**

Male NPT	Male NPT	Brass Part #
1/2"	1/2"	SBDV50
3/4"	3/4"	SBDV75

Factory Set Pressure Reducing Brass Standard Globe Valve Accessories

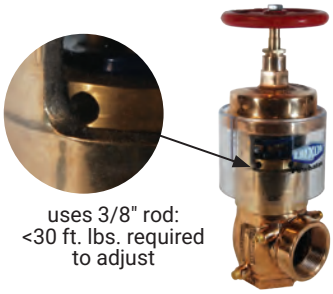
4201901587

18-458-00017

Description	Part #
2-1/2" tamper switch bracket kit (indicator cap, nut, switch, bracket)	4201901587
switch bracket only, red	18-458-00017
replacement handles for 1-1/2" valves	AV150-W
replacement handles for 2-1/2" valves	46-030-00025

N

Field Adjustable Pressure Reducing Valves



uses 3/8" rod:
<30 ft. lbs. required
to adjust

Features
- 3/8" adjusting rod included
- Allows flexibility during installation with the ability to adjust settings once installed as hydraulic conditions change

Specifications
- Used in applications where the inlet pressure is greater than **175 PSI**
- 1/4" NPT gauge ports – both sides, drilled and tapped standard

Approval
- UL listed

Angle Valves

Inlet	Outlet	Cast Brass Part #
2-1/2" FNPT	2-1/2" MNST	FAPRAV250F
	2-1/2" FNPT	FAPRAVF250
2-1/2" groove	2-1/2" MNST	FAPRAVG250F
	2-1/2" groove	FAPRAVG250G

Straight Valves

Inlet	Outlet	Cast Brass Part #
2-1/2" groove	2-1/2" groove	FAPRVG250
2-1/2" FNPT	2-1/2" FNPT	FAPRVF250

Replacement Parts

Description	Cast Iron Part #
handwheel	WDGV250-H
2-1/2" tamper cover	FAPRAV-TC

Setting Instructions
1. Determine desired outlet pressure for known inlet pressure.
2. Remove the tamper-resistant screw and slide the plastic cover up to access the adjusting nut.
3. Use a 3/8" diameter rod in any one of the six holes in the adjusting nut and rotate counter clockwise to increase the pressure at the outlet.
4. Check valve under pressure under static and under the anticipated flowing conditions to ascertain that the setting produces the expected results.

Adjustable Pressure Restricting Devices

Application
- For installation on Class I or Class III standpipe system hose outlets

Feature
- Device restricts pressure in the piping system to such a degree that hose lines can be handled by persons untrained in the handling of heavy fire streams

Specification
- Working pressure: **175 PSI** at **70°F (21°C)**

Approvals
- New York City Board of Standards and Appeals, approval # MEA 54-07-E
- 2-1/2" UL listed, ULC approved

Female Thread	Male Thread	UL Listed	Cast Brass Part #
1-1/2" NST (NH)	1-1/2" NST (NH)	no	APRD150F
2-1/2" NST (NH)	2-1/2" NST (NH)	yes	APRD250F

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Domestic Adjustable Pressure Restricting Angle Valves

Application
- Used where flowing water pressure needs to be controlled

Features
- Restricting valve has no effect on the static pressure of a system
- Can be manually bypassed, if required, by opening the valve fully. This is accomplished by breaking the breakable link, which allows the valve stem to rise to the full open position
- Breakable link also serves as an indication of valve condition and status; if valve is opened without breaking the link it will resume its previous position and no resetting is necessary
- Restricts only under flow conditions
- Setting charts are packed with valve
- Aluminum handwheel
- Other configurations are available, contact Dixon® for additional information

Specifications
- Maximum operating pressure: up to **175 PSI**
- Preset orifices restrict the volume of water thereby lowering the pressure of the flowing water; NFPA requires restricting valves where inlet pressure exceeds **100 PSI**
- Restricts inlet pressure from **70 PSI** up to a maximum of **175 PSI**
- Restricts down to outlet pressures of **65, 80, or 100 PSI**, outlet pressures may be set below **65 PSI** when authorized by the local authority having jurisdiction

Approvals
- UL listed
- New York City Board of Standards and Appeals, approval # MEA 54-07-E

Female x Male

Inlet Female NPT	Outlet Male NST (NH)	Cast Brass Part #
1-1/2"	1-1/2"	AVAPR150F
2-1/2"	2-1/2"	AVAPR250F

Female x Female

Inlet Female NPT	Outlet Female NPT	Cast Brass Part #
1-1/2"	1-1/2"	AVAPRF150
2-1/2"	2-1/2"	AVAPRF250

N

Global Adjustable Pressure Restricting Angle Valves

Applications
- Class I, II, and III standpipes
- Used when flowing water pressure needs to be controlled

Features
- Field adjustability
- Can be manually bypassed by use of the collar and yoke to fully open the valve

Approvals
- UL listed
- FM approved

Sizes
- 1-1/2" and 2-1/2"

Materials
- Body: forged brass
- Handwheel: aluminum
- Available finishes:
  - rough brass (standard)
  - polished= -P
  - chrome= -C

Specification
- Maximum operating pressure: **175 PSI** at **70°F**

AVAPR150F-F
female x male

AVAPRF150-F
female x female

Female x Male

Inlet Female NPT	Outlet Male NST (NH)	Cast Brass Part #
1-1/2"	1-1/2"	AVAPR150F-F
2-1/2"	2-1/2"	AVAPR250F-F

Female x Female

Inlet Female NPT	Outlet Female NPT	Cast Brass Part #
1-1/2"	1-1/2"	AVAPRF150-F
2-1/2"	2-1/2"	AVAPRF250-F

NOTE: Dixon® pressure restricting angle valves are only to be used to reduce downstream pressures under flowing (residual) conditions.

Backflow Preventer

Features
- Provides maximum protection against backflow caused by back-pressure or back-siphonage from a cross-connection wherein a contaminant hazard exists
- Consists of two spring-loaded poppet type check valves and a mechanically independent, hydraulically dependent pressure differential relief valve
- Three top-mounted test cocks ensure easy access during repair and maintenance
- Create a fire hydrant backflow preventer by using the RSMSA25F20T (page 824) and the DMH2025F (page 826)

Specifications
- Working pressure: to **175 PSIG**
- Temperature range: **33°F** to **180°F (.5°C** to **82°C)**

Approvals
- Meets Foundation for Cross Connection Control and Hydraulic Research at University of Southern California Manual Section 10, ASSE 1015, AWWA C-510 and CSA B64.4 specifications
- UL listed and FM approved

NPT Thread	Brass Part #
1-1/2"	BFP150
2"	BFP200

Chicago Pattern Valves

Material
- Aluminum handwheel

Specification
- Maximum operating pressure: **175 PSI** at **70°F (21°C)**

Inlet Male NPT	Outlet Male	Cast Brass Part #
1-1/2"	1-1/2" NST (NH)	CPV150F

Sprinkler Hose Valve

Material
- Aluminum wheel

Specification
- Working pressure: **175 PSI** (water only) at **70°F (21°C)**

Approvals
- UL listed and FM approved for automatic sprinkler and standpipe systems

Inlet Male NPT	Outlet Male NST (NH)	Cast Brass Part #
1"	1-1/2"	ASHV1015F

Push Pull Drain Valve

Size
- 2-1/2" handle length

Feature
- Direct mount

Inlet	Outlet	Brass Part #
3/4" FNPT	3/4" FNPT	PPDV75

Automatic Drain Vent Valve

Application
- Attaches to the hose end of a hose rack nipple keeping the hose free of moisture by draining water from a leaky valve; when the valve is opened for use, a spring valve closes the drain and directs all water through the hose

Feature
- Other threads and finishes are available, consult Dixon® for more information

Female NST (NH)	Male NST (NH)	Working Pressure (PSI)	Cast Brass Part #
1-1/2"	1-1/2"	**175**	ADV150F

Fire Specialty Products

Fire Hose Coupling Machines and Accessories

Booster Hose Installation Kit

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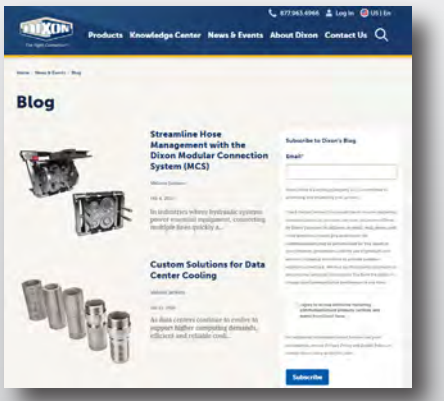
Industry Insights

To Keep You Moving Forward



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Domestic 890
Full port 890
Bronze shut-off 890
Locking handle 891
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Electrically actuated brass 901
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Pneumatically actuated stainless 903
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Carbon steel ball 911
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Polypropylene single union 914

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Self-closing gate valves 930

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Domestic Bronze Ball Valves

Applications
- For control of air, water, oil, and gas in hose or pipe lines. For other services, please contact Dixon®

Features
- Blowout-proof stems
- Full and standard port valves are repairable

Approval
- Meets WW-V 35C, Type II Composition

Materials
- Bronze valve bodies, balls, and stems
- Glass-filled reinforced PTFE seats and stuffing box ring; stem seals and washers
- Plated steel handles and nuts with vinyl sleeves. Replacements available, contact Dixon for pricing

Specification
- Pressure rating: **600 PSI CWP**; **150 PSI** saturated steam

Female NPT	Port	Bronze Part #
1/4"	full	BBV25
3/8"		BBV38
1/2"		BBV50
3/4"	standard	BBV75
1"		BBV100
1-1/4"		BBV125
1-1/2"		BBV150
2"		BBV200
2-1/2"		BBV250
3"		BBV300

Domestic Full Port Bronze Ball Valves

Features
- Adjustable packing
- Blow-out proof stem design

Materials
- Machined solid chrome-plated ball
- Multi-fill RPTFE seats and seals

Specifications
- Vacuum service to 29 inches Hg
- Pressure rating: **600 PSI CWP**; **150 PSI** saturated steam

Female NPT	Port	Bronze Part #
3/4"	full	BBV75FP
1"		BBV100FP
1-1/4"		BBV125FP
1-1/2"		BBV150FP
2"		BBV200FP

O New

Shut-off Bronze Ball Valves

Applications
- Designed as a safe shut-off valve for LP-Gas, natural gas, flammable liquids, and heated oil

Materials
- Bronze body
- Stainless steel ball
- PTFE seal

Feature
- Blow-out proof stem
- Adjustable packing gland

Specification
- Pressure rating: **150 PSI** saturated steam
- Pressure rating: **250 PSI** LP-Gas

Female NPT	Port	Carbon Steel Part #
1/4"	full	BRBV25
3/8"		BRBV38
1/2"		BRBV50
3/4"	standard	BRBV75
1"		BRBV100
1-1/4"		BRBV125
1-1/2"		BRBV150
2"		BRBV200
2-1/2"		BRBV250
3"		BRBV300

NOTE: For all ball valve replacement handles please contact Dixon.

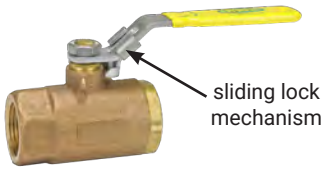
Locking Handle Bronze Ball Valves

Applications
- For control of air, water, oil, and gas in hose or pipe lines. For other services, please contact Dixon®

Features
- Blow-out proof RPTFE stem
- Full and standard port valves are repairable
- Vacuum service to 29 in Hg

Materials
- Chrome-plated bronze ball
- Stainless steel sliding lock mechanism secures handle in open or closed position; can be padlocked opened or closed
- Plated steel handles and nuts with vinyl sleeves

Specification
- Pressure rating: **600 PSI CWP**; **150 PSI** saturated steam



Female NPT	Port	Bronze Part #
1/4"	full	BBLV25
3/8"		BBLV38
1/2"		BBLV50
3/4"	standard	BBLV75
1"		BBLV100
1-1/4"		BBLV125
1-1/2"		BBLV150
2"		BBLV200

Bronze Ball Valves

Applications
- For air, water, oil, and gas service

Features
- Blow-out proof stem
- Adjustable packing gland
- Vacuum serive to 29 in Hg

Materials
- Chromium plated ball
- RTFE seats and stuffing box ring

Specifications
- Pressure rating: **600 PSI**
- Cold non-shock pressure rating: **150 PSI** saturated steam

Approvals
- MSS SP-110 – ball valves threaded, socket welding, solder joint, grooved and flared ends; CRN: OC10908.5C

Male NPT x Female NPT	Port	Bronze Part #
1/2"	standard	BMV50
3/4"	standard	BMV75
1"	standard	BMV100

"Deadman" Spring Return Handle Brass Ball Valves

Features
- Blow-out proof stem design
- Adjustable packing gland
- Spring return closes valve when not held open

Materials
- Stainless steel lever
- Chromium plated ball
- RTFE seats and stuffing box ring

Specifications
- Operating torque approximately three times standard valve torque
- Pressure rating: **600 PSI CWP**; **150 PSI** saturated steam
- Vacuum service to 29 inches Hg

Female NPT	Port	Brass Part #
1/2"	full	BBV50SR
3/4"	standard	BBV75SR
1"		BBV100SR
1-1/2"		BBV150SR
2"		BBV200SR

NOTE: For all ball valve replacement handles please contact Dixon.

WARNING: Misuse of these products can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

250 Lb. Steam Ball Valves

Applications
- Recommended for use with fluids with widely varying temperatures and/or thermal expansion rates

Material
- 316 stainless steel ball and stem

Features
- Blow-out proof stem design
- Multi-fill RPTFE seats
- Multi-fill stuffing box ring
- High temperature MTFE stem packing
- Adjustable packing gland

Specifications
- Maximum temperature: **450°F (232°C)**
- Pressure rating: **600 PSI**; **250 PSI** saturated steam
- Vacuum service to 29 inches Hg

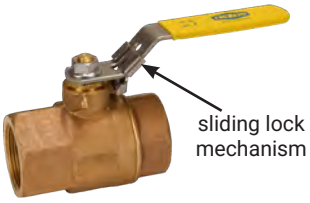
Female NPT	Port	Bronze Part #
1/2"	full	BBV50ST
3/4"	standard	BBV75ST
1"		BBV100ST
2"		BBV200ST

WARNING: Misuse of this product can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

Safety Vented Ball Valves



Application
- For air service only

Features
- Blow-out proof stem design
- Adjustable packing gland

Materials
- Chromium plated ball
- RTFE seats and stuffing box ring

Specification
- Pressure rating: **0-125 PSI**

Female NPT	Port	Bronze Part #
1/4"	full	BBV25LV
3/8"		BBV38LV
1/2"		BBV50LV
3/4"	standard	BBV75LV
1"		BBV100LV
1-1/4"		BBV125LV
1-1/2"		BBV150LV
2"		BBV200LV

NOTE: Valve closed and draining. Upstream seat stop air flow. Downstream system is vented to atmosphere.

Bronze Ball Valves with NPT Tap for Drain

Applications
- Recommended for water and air service

Features
- Blow-out proof stem
- Adjustable packing gland
- Auto-drain/auto-vent
- 1/4" NPT tapped port provides additional options such as an air venting elbow or noise muffler

Materials
- RTFE seats and stuffing box ring
- Chromium plated ball

Specification
- Pressure rating: **125 PSI CWP**

Female NPT	Port	Bronze Part #
1/4"	full	BBV25VT
3/8"		BBV38VT
1/2"		BBV50VT
3/4"		BBV75VT
1"		BBV100VT

NOTE: For all ball valve replacement handles please contact Dixon.

Imported Brass Ball Valves

Applications
- For control of air, water, oil, and gas in hose or pipe lines, for other services, please contact Dixon®

Feature
- Blow-out proof stems

Materials
- PTFE seat, seal and thrust washer
- Chrome-plated brass ball and plated steel handle

Specifications
- Maximum temperature: **366°F (186°C)**
- Pressure rating: **600 PSI WOG**; **150 PSI** working steam pressure

Approval
- UL listed

Female NPT x Female NPT

Size	Port	Forged Brass Part #
1/4"	full	FBV25
3/8"		FBV38
1/2"		FBV50
3/4"		FBV75
1"		FBV100
1-1/4"		FBV125
1-1/2"		FBV150
2"		FBV200

Female NPT x Female NPT

Size	Port	Forged Brass Part #
2-1/2"	full	FBV250
3"		FBV300
4"		FBV400

Imported Brass Ball Valves with Locking Handle

Applications
- For control of air, water, oil and gas in hose or pipe lines, for other services please contact Dixon

Feature
- Blow-out proof stem

Materials
- PTFE seat, seal, and thrust washer
- Chrome-plated brass ball and plated steel handle

Specifications
- Maximum temperature: **366°F (186°C)**
- Pressure ratings: **600 PSI WOG**; **150 PSI** working steam pressure

Female NPT	Port	Forged Brass Part #
1/2"	full	FBVL50
3/4"		FBVL75
1"		FBVL100
1-1/4"		FBVL125
1-1/2"		FBVL150
2"		FBVL200
2-1/2"		FBVL250
3"		FBVL300
4"		FBVL400

NOTE: For all ball valve replacement handles please contact Dixon.

WARNING: Misuse of these products can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

Global Brass Ball Valves

Applications
- For water and air only

Specifications
- Pressure ratings
  - 1/4" to 3/8" rated to **365 PSI**
  - 1/2" to 2" rated to **600 PSI**
- Maximum temperature: **248°F (120°C)**

Female NPT	Port	Forged Brass Part #
1/4"	full	FBVG25
3/8"		FBVG38
1/2"		FBVG50
3/4"		FBVG75
1"		FBVG100
1-1/4"		FBVG125
1-1/2"		FBVG150
2"		FBVG200

Solder End Brass Ball Valves

Application
- Provides protection against potential gas leakage under extreme duty or low pressure applications

Features
- Blow-out proof stem
- Adjustable stem packing nut

Materials
- Chrome-plated brass ball
- PTFE seat, seal, and thrust washer

Specifications
- Pressure rating: **600 PSI WOG**; **150 PSI** working steam pressure
- Maximum temperature: **366°F (186°C)**

Size	Port	Brass Part #
1/2"	full	FBV50SE
3/4"		FBV75SE
1"		FBV100SE
1-1/4"		FBV125SE
1-1/2"		FBV150SE
2"		FBV200SE

WARNING: Misuse of this product can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

Lead-Free Brass Ball Valves

Feature
- PTFE seat and double O-ring stem packing

Specifications
- Pressure rating: **600 WOG - 150 WSP**
- Maximum temperature: **366°F (186°C)**

Approvals
- Lead-free refers to the wetted surface of pipes, fittings, and fixtures in potable water systems that have a weighted average lead content = 0.25% Source: California Health & Safety Code (116875). Vermont Act 193*171NLF

Female NPT	Port	Lead-Free Brass Part #
1/2"	full	LFV50
3/4"		LFV75
1"		LFV100
1-1/4"		LFV125
1-1/2"		LFV150
2"		LFV200

NOTE: For all ball valve replacement handles please contact Dixon.

Dual Y Valves

Application
- Ideal for compressor applications

Feature
- Dual action valve

Specifications
- Non-vented pressure rating: **600 PSI CWP**
- Vented pressure rating: **125 PSI CWP**

Vented

Female NPT Inlet (1)	Female NPT Outlets (2)	Bronze Part #
1"	3/4"	BBV100DWV
1-1/4"		BBV125DWV

Non-Vented

Female NPT Inlet (1)	Female NPT Outlets (2)	Bronze Part #
1"	3/4"	BBV100DW
1-1/4"		BBV125DW

Mini Ball Valves

Feature
- Blow-out proof stem

Materials
- PTFE seats and FKM stem seal

Specifications
- Maximum temperature **330°F (166°C)**
- Pressure rating: **450 PSI**

Approval
- Canadian Standard Association approved

Female NPT	Port	Nickel Plated Brass Part #
1/8"	standard	MBV12
1/4"		MBV25
3/8"		MBV38
1/2"		MBV50

Mini Brass Ball Valves

Applications
- Water, oil or gas in commercial, and light industrial applications

Features
- Blow-out proof stem
- Large raised wrench flat
- Reversible handle
- Full port
- Ideal use for as a gas or gauge cock
- Threads: NPT

Materials
- Forged brass
- Seal: standard FKM
- Seat: TFE

Specifications
- PSI ratings: **600 PSI** at **100°F (37°C)**
- Temperature rating: **-40°F** to **300°F (-40°C** to **148°C)**
- End configurations: female x female and male x female

Approvals
- ANSI Z21.15-2009/CSA 9.1-2009 (**1/2 PSI**)-manually operated gas valves for appliances
- ASME B1644-2002- manually operated metallic gas valves for use in above ground piping systems (**2 and 5 PSIG**)
- MSS SP-100 compliant
- CSA **1/2 PSI** and **5 PSI** gas listings

MBBMV25

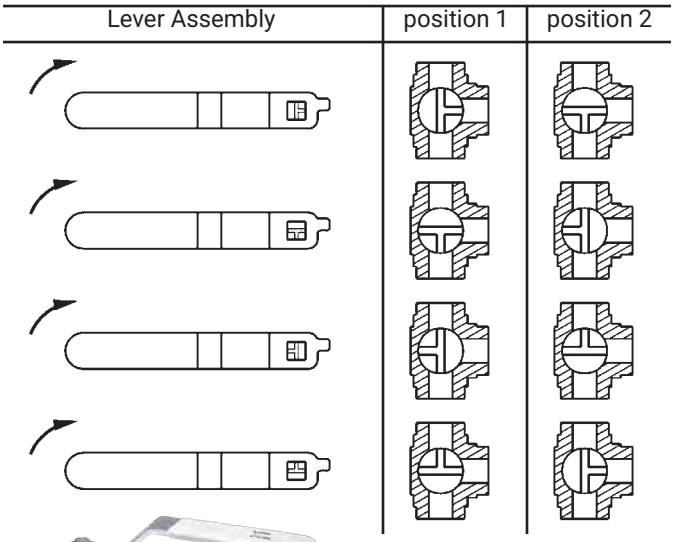
MBBV25

Size	Part #
1/4”	MBBV25
1/8”	MBBV12
1/4”	MBBMV25
1/8”	MBBMV12

NOTE: For all ball valve replacement handles please contact Dixon.

3-Way Brass Diverting Lead Free Ball Valves – T Flow

Female NPT x Female NPT x Female NPT



LFV50DTW

LFV200DTW

Features
- Blow-out proof stem
- Adjustable stem packing

Materials
- Chrome plated brass ball
- PTFE seats, seals, and thrust washer

Specifications
- Maximum temperature: **366°F (186°C)**
- Pressure rating: **400 PSI WOG**; **100 PSI** saturated steam

Size	Port	Brass Part #
1/2"	standard	LFV50DTW
3/4"		LFV75DTW
1"		LFV100DTW
1-1/4"		LFV125DTW
1-1/2"		LFV050DTW
2"		LFV200DTW

NOTE: 1/4 turn handle can be adjusted to any orientation. Notches on the valve stem reflect the three openings on the ball.

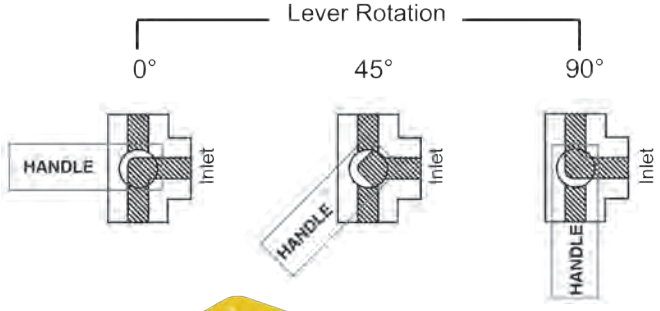
WARNING: Misuse of this product can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

3-Way Diverting Ball Valves – L Flow

Female NPT x Female NPT x Female NPT



bronze

stainless steel

Features
- Can be used with gasoline and diesel fuel
- Blow-out proof stem
- Adjustable packing gland

Specification
- Pressure rating: **400 PSI CWP**

Materials
- Chromium-plated ball
- RPTFE seats and stuffing box ring
- Stainless steel handle and nut with vinyl sleeve

Size	Port	Bronze Part #
1/2"	full	BBV50TW[1]
3/4"	standard	BBV75TW
1"		BBV100TW

[1] Carbon steel handle and nut with vinyl sleeve

Features
- Blow-out proof stem
- Adjustable packing gland
- Locking handle

Specification
- Rated to **800 PSI CWP**

Materials
- Stainless steel ball
- RPTFE seats and stuffing box ring
- Stainless steel handle and nut with vinyl sleeve

Approval
- Meets NACE MR0175

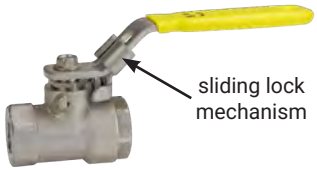
Size	Port	Stainless Steel Part #
1/2"	full	SSBV50TW
3/4"	standard	SSBV75TW
1"		SSBV100TW

2-Piece Domestic Stainless Steel Ball Valves

Feature
- Blow-out proof stem

Materials
- 316 stainless ball and stem
- RPTFE seal
- Vinyl handle cover

Specifications
- Temperature range: **-40°F** to **400°F** **(-40°C** to **204°C)**
- Pressure rating: **1,000 PSI CWP**
- Pressure rating: **150 PSI** saturated steam
- Vacuum service to 29 inches Hg



Female NPT	Port	316 Stainless Steel Part #
1/4"	full	DSBV25
3/8"		DSBV38
1/2"		DSBV50
3/4"		DSBV75
1"		DSBV100
1-1/4"		DSBV125
1-1/2"		DSBV150
2"		DSBV200

Stainless Steel Ball Valves Full Port

Applications
- For use with water, oil, and gas

Feature
- Blow-out proof stem design

Materials
- 316 stainless steel ball and stem
- RPTFE seat, joint gasket, and thrust washer

Specifications
- Temperature range: **-20°F** to **428°F (-29°C** to **220°C)** as long as the valve is run fully open/closed
- Pressure rating: rated to **1000 PSI WOG** (CWP) **100 PSI** saturated steam

Female NPT	Port	316 Stainless Steel Part #
1/4"	full	SSBV25
3/8"		SSBV38
1/2"		SSBV50
3/4"		SSBV75
1"		SSBV100
1-1/4"		SSBV125
1-1/2"		SSBV150
2"		SSBV200
2-1/2"		SSBV250
3"		SSBV300

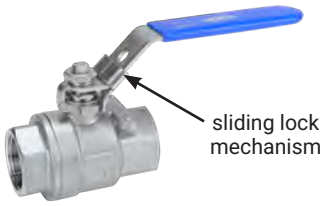
NOTE: For all ball valve replacement handles please contact Dixon.

WARNING: Misuse of these products can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

Full Port Ball Valves with Locking Handle



Applications
- For use with water, oil, and gas

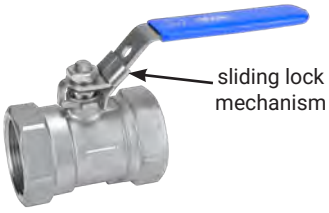
Features
- Lockable
- Blow-out proof stem design
- Not recommended as a throttling valve

Materials
- 316 stainless steel ball and stem
- RPTFE seat, joint gasket and thrust washer
- Plastic cover on handle

Specifications
- Temperature range: **-20°F** to **428°F (-29°C** to **220°C)**
- Pressure rating: rated to **1000 PSI WOG** (CWP); **100 PSI** saturated steam

Female NPT	Port	316 Stainless Steel Part #
1/4"	full	SSLBV25
3/8"		SSLBV38
1/2"		SSLBV50
3/4"		SSLBV75
1"		SSLBV100
1-1/4"		SSLBV125
1-1/2"		SSLBV150
2"		SSLBV200
2-1/2"		SSLBV250
3"		SSLBV300

Reduced Port Ball Valves with Locking Handle



Applications
- For use with water, oil, and gas

Features
- Lockable
- Blow-out proof stem design
- Not recommended as a throttling valve

Materials
- 316 stainless steel ball and stem
- RPTFE seat, joint gasket, and thrust washer
- Plastic cover on handle

Specifications
- Temperature range: **-20°F** to **428°F (-29°C** to **220°C)**
- Pressure rating: **1000 PSI WOG**; **100 PSI** saturated steam

Female NPT	Port	316 Stainless Steel Part #
1/4"	reduced	SSLBV25SP
3/8"		SSLBV38SP
1/2"		SSLBV50SP
3/4"		SSLBV75SP
1"		SSLBV100SP
1-1/4"		SSLBV125SP
1-1/2"		SSLBV150SP
2"		SSLBV200SP

New

3-Piece Full Port Stainless Steel Ball Valves

Applications
- For use with water, oil, and gas

Materials
- Stainless steel body, ball, stem, handle, and nut
- PTFE seal

Feature
- Anti-blowout, one piece bottom entry stem
- Statically grounded ball, stem, and body

Specification
- Pressure rating: **250 PSIG** saturated steam
- UL listed

Female NPT	Port	Stainless Steel Part #
1/2"	full	SS3BV50
3/4"		SS3BV75
1"		SS3BV100
1-1/4"		SS3BV125
1-1/2"		SS3BV150
2"		SS3BV200

NOTE: For all ball valve replacement handles please contact Dixon.

BV2I-Series 3-Piece Industrial Ball Valves

Features
- 3-piece full port design
- Blowout-proof stem
- Live-loaded stem packing
- Swing out design for easy maintenance
- ISO 5211 mounting pad
- RTFE seat and seals
- 25% carbon seat option available

Specifications
- Temperature: **-20°F (-29°C) to 400°F (200°C)**
- Maximum pressure: 1/4" to 1/2" **1,000 PSI WOG** at **65°F (18°C)**, 2-1/2" to 3" **800 PSI WOG** at **65°F (18°C)**, 4" **600 PSI WOG** at **65°F (18°C)**

FNPT

socket weld

Size	FNPT CF8M Stainless Steel Part #	Socket Weld CF8M Stainless Steel Part #
1/2"	BV2IGN05011-A	BV2IGN05033-A
3/4"	BV2IGN07511-A	BV2IGN07533-A
1"	BV2IGN10011-A	BV2IGN10033-A
1-1/4"	BV2IGN12511-A	BV2IGN12533-A
1-1/2"	BV2IGN15011-A	BV2IGN15033-A
2"	BV2IGN20011-A	BV2IGN20033-A
2-1/2"	BV2IGN25011-A	BV2IGN25033-A
3"	BV2IGN30011-A	BV2IGN30033-A
4"	BV2IGN40011-A	BV2IGN40033-A

Repair Kits for BV2I-Series Ball Valve

Size	Repair Kit Contains	BV2I-Series Ball Valves Repair Kit Part #
1/2"	(2) seats (1) thrust washer (2) stem packing (1) silicone O-ring	BV-2IN-GK050
3/4"		BV-2IN-GK075
1"		BV-2IN-GK100
1-1/4"		BV-2IN-GK125
1-1/2"		BV-2IN-GK150
2"		BV-2IN-GK200
2-1/2"		BV-2IN-GK250
3"		BV-2IN-GK300
4"		BV-2IN-GK400

'Deadman' Spring Return Handle Stainless Steel Ball Valves

Features
- PTFE seal
- Blow-out proof stem design
- Adjustable packing gland
- Spring return closes valve when not held open

Specifications
- Operating torque approximately three times standard valve torque
- Pressure rating: **2000 PSI WOG** 1/2" to 1"; **1500 PSI WOG** 1-1/4" to 2"
- **150 PSI** saturated steam, all sizes
- Vacuum service to 29 inches Hg, all sizes

Female NPT	Port	316 Stainless Steel Part #
1/2"	full	SSBV50SR
3/4"	standard	SSBV75SR
1"		SSBV100SR
1-1/4"		SSBV125SR
1-1/2"		SSBV150SR
2"		SSBV200SR

NOTE: For all ball valve replacement handles please contact Dixon.

WARNING: Misuse of this product can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

Electrically Actuated Stainless Steel Ball Valves

2-Piece

2-Piece Stainless Steel Ball Valve

Feature
- Blow-out proof stem

Materials
- Body, ends and ball: CF8M stainless
- Seats: RTFE
- ISO 5211 mounting pad

Specifications
- Pressure rating:
  – 1/4" to 2": **1000 PSI WOG**,
  – 2-1/2" to 3": **800 PSI WOG**
- Temperature range:
  -20°F to **320°F (-29°C** to **160°C)**

Electric Actuator

Features
- H-insulation class
- Visual position indication
- Space heater is standard
- NEMA 4/4X waterproof and dustproof

Materials
- Gear train: high alloy steel
- Housing: lightweight powder coated aluminum alloy

Specifications
- Ambient temperature range:
  -22°F to **149°F (-30°C** to **65°C)**

Approvals
- ISO 9001, CS, CE and CSA-C US Certified
- RoHS compliant

3-Piece

3-Piece Stainless Steel Ball Valve

Features
- Blow-out proof stem
- Live-loaded stem packing
- Swing out design allows easy maintenance

Materials
- Body and ball: CF8M stainless steel
- Stem: 316 stainless steel
- Seat: RTFE
- ISO 5211 mounting pad

Specifications
- Maximum pressure:
  – 1/4" to 2": **1,000 PSI WOG** at **65°F**
  – 2-1/2" to 3": **800 PSI WOG** at **65°F**
  – 4" **600 PSI WOG** at **65°F**
- Temperature range:
  -20°F to **320°F (-29°C** to **160°C)**

Electric Actuator

Features
- H-insulation class
- Visual position indication
- Space heater is standard
- NEMA 4/4X waterproof and dustproof

Materials
- Gear train: high alloy steel
- Housing: lightweight powder coated aluminum alloy

Specification
- Ambient temperature range:
  -22°F to **149°F (-30°C** to **65°C)**

Approvals
- ISO 9001, CS, CE, and CSA-C US Certified
- RoHS compliant

A wide variety of options are available: voltages, modulating, extra switches, transmitters, potentiometer, etc. Contact Dixon® Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application. For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic effect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon when dealing with these types of applications.

Electrically Actuated Brass Ball Valves

2-Piece Brass Ball Valve

Sizes
- 1/4" to 2" brass; 2-1/2" to 4" bronze

Features
- Stem: blow-out proof brass
- ISO 5211 mounting pad

Materials
- Elastomers: FKM
- Seats: PTFE

Specifications
- Pressure rating: - **600 PSI WOG**, **150 PSI WOG**
- Temperature range: -**20°F** to **300°F (-29°C** to **149°C)**

Electric Actuator

Features
- H-insulation class
- Visual position indication
- Space heater is standard
- NEMA 4/4X waterproof and dustproof

Materials
- Gear train: high alloy steel
- Housing: lightweight powder coated aluminum alloy

Specification
- Ambient temperature range: **-22°F** to **149°F (-30°C** to **65°C)**

Approvals
- ISO 9001, CS, CE, and CSA-C US Certified
- RoHS compliant

A wide variety of options are available: voltages, modulating, extra switches, transmitters, potentiometer, etc. Contact Dixon® Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application.
For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic effect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon when dealing with these types of applications.

Electrically Actuated 3-Way Ball Valves – 'T/L' Port

3-Way Stainless Steel

3-Way Stainless Steel Ball Valve

Features
- Full port with FNPT ends
- Blow-out proof stem
- Live-loaded stem packing
- ISO 5211 mounting pad

Materials
- Body and ball: CF8M stainless steel
- Seats and seals: RTFE

Specifications
- Working pressure:
  – 1/4" to 1": **1000 PSI WOG**
  – 1-1/4" to 2": **800 PSI WOG**
- Temperature range:
  -20°F to **350°F** **(-29°C** to **177°C)**

Electric Actuator

Features
- NEMA 4/4X waterproof and dustproof
- H-insulation class
- Visual position indication
- Space heater is standard

Materials
- Gear train: high alloy steel
- Housing: lightweight powder coated aluminum alloy

Specification
- Ambient temperature range:
  -22°F to **149°F** **(-30°C** to **65°C)**

Approvals
- ISO 9001, CS, CE, and CSA-C US Certified
- RoHS compliant

3-Way Brass

3-Way Brass Ball Valve

Features
- Reduced port ball valves with FNPT ends
- Blow-out proof stem
- ISO 5211 mounting pad

Materials
- Body: brass
- Seats: PTFE

Specifications
- Pressure rating:
  – **400 PSI WOG**
  – **100 PSI WSP**
- Temperature range:
  -4°F to **300°F** (**-20°C** to **149°C**)

Electric Actuator

Features
- NEMA 4/4X waterproof and dustproof
- H-insulation class
- Visual position indication
- Space heater is standard

Materials
- Gear train: high alloy steel
- Housing: lightweight powder coated aluminum alloy

Specification
- Ambient temperature range:
  -22°F to **149°F** (**-30°C** to **65°C**)

Approvals
- ISO 9001, CS, CE, and CSA-C US Certified
- RoHS compliant

A flow path needs to be selected at time of order. See page 908 for flow path options.

Customer verification is critical. If flow path needs to be changed after being shipped, labor and shipping charges will apply.

A wide variety of options are available: voltages, modulating, extra switches, transmitters, potentiometer, etc. Contact Dixon® Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application. For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic effect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon® when dealing with these types of applications.

Pneumatically Actuated Stainless Steel Ball Valves

2-Piece

2-Piece Stainless Steel Ball Valve

Features
- Blow-out proof stem
- Live-loaded stem packing
- ISO 5211 mounting pad

Materials
- Body, ends and ball**:** CF8M stainless
- Seats: RTFE

Specifications
- Pressure rating:
  – 1/4" to 2" **1000 PSI WOG**
  – 2-1/2" to 3" **800 PSI WOG**
- Temperature range:
  -20°F to **320°F (-29°C** to **160°C)**

Rack and Pinion Actuator

Features
- NAMUR mounting
- Bi-directional stops for ±5º travel adjustment
- Visual position indication
- Tested to one million cycles
- For spring return actuators must note fail position

Materials
- Body: hard anodized aluminum
- Anti-blowout pinion: nickel plated anti-blowout pinion
- O-rings: Nitrile rubber

Specifications
- **80 PSI** plant air required
- Maximum operating pressure: **120 PSI**
- Temperature range:
  -40ºF to **200ºF (-40°C** to **93°C)**

3-Piece

3-Piece Stainless Steel Ball Valve

Features
- Blow-out proof stem
- Live-loaded stem packing
- ISO 5211 mounting pad
- Swing-out design allows easy maintenance

Materials
- Body and ball: CF8M stainless steel
- Stem: 316 stainless steel

Specifications
- Maximum pressure:
  – 1/4" to 2": **1,000 PSI WOG** at **65°F**
  – 2-1/2" to 3": **800 PSI WOG** at **65°F**
  – 4": **600 PSI WOG** at **65°F**
- Temperature range:
  -20°F to **320°F (-29°C** to **160°C)**

Rack and Pinion Actuator

Features
- NAMUR mounting
- Bi-directional stops for ±5º travel adjustment
- Visual position indication
- Tested to one million cycles
- For spring return actuators must note fail position

Materials
- Body: hard anodized aluminum
- Anti-blowout pinion: nickel plated
- O-rings: Nitrile rubber

Specifications
- **80 PSI** plant air required
- Maximum operating pressure: **120 PSI**
- Temperature range:
  -40ºF to **200ºF (-40°C** to **93°C)**

O

A wide variety of options are available: spring return (normally closed) and double acting actuators, switches, solenoids, positioners, etc. Contact Dixon® Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application. For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic effect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon® when dealing with these types of applications.

Pneumatically Actuated Brass Ball Valves

2-Piece Brass Ball Valve

Features
- Blow-out proof stem
- ISO 5211 mounting pad

Materials
- Body: 1/4 " to 2" brass, 2-1/2" to 4" bronze
- Seats: PTFE
- FKM elastomers

Specifications
- Pressure rating: **600 PSI WOG**
- Temperature range: **-20°F to 300°F (-29°C to 149°C)**

Rack and Pinion Actuator

Features
- NAMUR mounting
- Bi-directional stops for ±5º travel adjustment
- Visual position indication
- Tested to one million cycles
- For spring return actuators must note fail position

Materials
- Body: hard anodized aluminum
- Anti-blowout pinion: nickel plated
- O-rings: Nitrile rubber

Specifications
- **80 PSI** plant air required
- Maximum operating pressure: **120 PSI**
- Temperature range: **-40ºF** to **200ºF (-40°C** to **93°C)**

O

A wide variety of options are available: spring return (normally closed) and double acting actuators, switches, solenoids, positioners, etc. Contact Dixon® Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application. For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic effect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon® when dealing with these types of applications.

Pneumatically Actuated 3-Way Stainless Steel Ball Valves – 'T/L' Port

3-Way Stainless Steel Ball Valve

Features
- Full port ball valves with FNPT ends
- Blow-out proof stem
- Live-loaded stem packing
- ISO 5211 mounting pad

Materials
- Body and ball: CF8M stainless steel
- Seats and seals: RTFE

Specifications
- Working pressure:
  – 1/4" to 1": **1000 PSI WOG**
  – 1-1/4" to 2": **800 PSI WSP**
- Maximum temperature: **350°F (177°C)**

Rack and Pinion Actuator

Features
- NAMUR mounting
- Bi-directional stops for ±5º travel adjustment
- Visual position indication
- Tested to one million cycles
- For spring return actuators must note fail position

Materials
- Body: hard anodized aluminum
- Anti-blowout pinion: nickel plated
- O-rings: Nitrile rubber

Specifications
- **80 PSI** plant air required
- Maximum operating pressure: **120 PSI**
- Temperature range: **-40ºF** to **200ºF (-40°** to **93°C)**

A flow path needs to be selected at time of order. See page 908 for flow path options.

Customer verification is critical. If flow path needs to be changed after being shipped, labor and shipping charges will apply.

A wide variety of options are available: spring return (normally closed) and double acting actuators, switches, solenoids, positioners, etc. Contact Dixon® Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application. For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic effect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon® when dealing with these types of applications.

Pneumatically Actuated 3-Way Brass Ball Valves – 'T/L' Port

3-Way Brass Ball Valve

Features
- Reduced port brass ball valves with FNPT ends
- Blow-out proof stem
- PTFE seats with O-ring backing for low operating torque
- ISO 5211 mounting pad

Materials
- Body: brass
- Seats: PTFE with O-ring backing
- Ball: chrome-plated brass

Specifications
- Pressure rating: **400 PSI WOG**, **100 PSI WSP**
- Maximum temperature: **300°F (149°C)**

Rack and Pinion Actuator

Features
- NAMUR mounting
- Bi-directional stops for ±5º travel adjustment
- Visual position indication
- Tested to one million cycles
- For spring return actuators must note fail position

Materials
- Body: hard anodized aluminum
- Anti-blowout pinion: nickel plated
- O-rings: Nitrile rubber

Specifications
- **80 PSI** plant air required
- Maximum operating pressure: **120 PSI**
- Temperature range: **-40ºF** to **200ºF (-40°C** to **93C)**

O

A flow path needs to be selected at time of order. See page 908 for flow path options.

Customer verification is critical. If flow path needs to be changed after being shipped, labor and shipping charges will apply.

A wide variety of options are available: spring return (normally closed) and double acting actuators, switches, solenoids, positioners, etc. Contact Dixon® Sanitary at 800.789.1718.

Even though there are torque safety factors built into our automated ball valve packages, actual service conditions must also be considered when selecting the proper product for the appropriate application. For example: Severe service conditions such as dirty water, dirty air, all slurries, raw sewage water, oils, and other viscous fluids can have a dramatic effect in raising the torque requirements of ball valves as much as 75% and therefore larger actuators may be required. Please consult Dixon® when dealing with these types of applications.

Pneumatically Actuated Wafer Butterfly Valves

Rack and Pinion Actuator

Features
- Bi-directional stops for ± 5° travel adjustment
- Namur mounting
- Visual position indication
- Tested to 1 million cycles
- For spring return actuators must note fail position

Materials
- Body: hard anodized aluminum
- Anti-blowout pinion: nickel plated
- O-rings: Nitrile rubber

Specifications
- **80 PSI** plant air required
- Maximum operating pressure: **120 PSI**
- Temperature range: **-40°F** to **200°F (-40°C** to **93°C)**

Wafer

Features
- Installs between standard ANSI Class 150# flanges
- Seat backing ring ensures blow-out proof service
- A wide variety of seat, disc, and body materials are available
- No taper pins
- Can be serviced in the field

Materials
- Body with extended neck: ductile iron
- Disc: nickel plated ductile iron
- Replaceable seat: EPDM

Specifications
- Maximum operating pressure: **200 PSI** (bi-directional)
- Temperature range: **-20°F** to **250°F (-29°C** to **121°C)**

Approvals
- Conforms to MSS-SP-67, MSS-SP-25, API-609

Lug

Features
- Installs between standard ANSI Class 150# flanges
- Seat backing ring ensures blow-out proof service
- A wide variety of seat, disc, and body materials are available
- No taper pins
- Can be serviced in the field

Materials
- Body with extended neck: ductile iron
- Disc: nickel plated ductile iron
- Replaceable seat: EPDM

Specifications
- Maximum operating pressure: **200 PSI** (bi-directional)
- Temperature range: **-20°F** to **250°F (-29°C** to **121°C)**

Approvals
- Conforms to MSS-SP-67, MSS-SP-25, API-609

A wide variety of options are available: spring return (normally closed) and double acting actuators, switches, solenoids, positioners, etc. Contact Dixon® Sanitary at 800.789.1718.

BV3/4 Series Multi-port Sanitary Stainless Steel Ball Valves

Flow Paths

3-way 'L'-port
position A

3-way 'L'-port
position B

3-way 'L'-port
position C

3-way 'T'-port
position A

3-way 'T'-port
position B

3-way 'T'-port
position C

3-way 'T'-port
position D

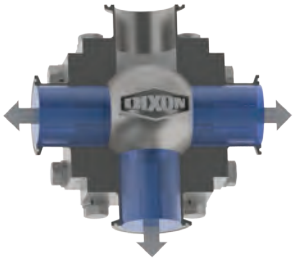
4-way 'L'-port
position A

4-way 'L'-port
position B

4-way 'L'-port
position C

4-way 'L'-port
position D

4-way 'T'-port
position A



4-way 'T'-port
position B

4-way 'T'-port
position C

4-way 'T'-port
position D

Actuated Valve Accessories

Limit Switches

XLS-B4A0120P

Features
- Visual position indicator
- 3D open/close indication
- Quick-set cam
- Mechanical SPDT switches (standard)
- Multipoint terminal strip
- Various switch options available

Specification
- Cable entry: (2) 1/2" NPT

Enclosures available
NEMA 4 4/X
- Water and dust tight for indoor or outdoor use
- Corrosion resistant

NEMA 7
- Water and dust tight for indoor or outdoor use
- Corrosion resistant
- For use in indoor hazardous locations
- Explosion proof

Enclosure	Part #
NEMA 4/4X	XLS-B4A0120P
NEMA 7	XLS-C7A0120P

Solenoids

Features
- Duty cycle: 100% extended duty
- Easy-to-use manual override
- NEMA 4 4/X Enclosure
- Water and dust tight for indoor or outdoor use
- Corrosion resistant
- Voltages available: 12VDC, 24VDC, 24VAC, 48VAC, 110VAC, 220VAC

Material
- Electroless nickel plated spool

Specifications
- Port sizes: inlet and exhaust 1/4" NPT
- Pressure range: **30 PSI** to **150 PSI**

Description	Voltage	Part #
single coil	115VAC	XSO-4S4D-0A
	24VDC	XSO-4S4B-0A
dual coil	115VAC	XSO-4D4D-0A
	24VDC	XSO-4D4B-0A

Positioners

Specifications
- Air capacity:
  at **29 PSI** (**200kPa**): 9.5 SCFM
  at **87 PSI** (**600kPa**): 28.3 SCFM
  at **145 PSI** (**1MPa**): 47.1 SCFM
- Air connections: 1/4" NPT
- Gauges: 1/8" NPT
- Cable entry: 1/2" NPT

Electro-Pneumatic
- Input range: 4-20mA (Ri<250ohms)
- Supply pressure: **21.8** to **145 PSI** (**0.15** to **1MPa**)
- Linearity error: <1.0% f.s
- Hysteresis: <0.6% f.s
- Repeatability: <0.5% f.s

Pneumatic
- Input range: **3** to **15 PSI** (**20-100kPa**)
- Supply pressure: < **145 PSI** (<**1MPa**)
- Linearity error: <0.7% f.s
- Hysteresis: <0.4% f.s
- Repeatability: <0.3% f.s

Positioner Type	Part #
Electro-Pneumatic	XPO-E4F
Pneumatic	XPO-P4F

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Dixon® MannTek Full Flow Ball Valves

Features
- Two ports – one inlet and one outlet
- High flow rate; low pressure drop
- Spindle can be disassembled even when ball valve is installed
- Optional ports include DN flange, butt weld, and 150# flange; contact Dixon for details

Materials
- Wetted parts are aluminum and stainless steel
- FPM seals

Specifications
- Working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- Standard valve ports - female NPT, socket weld for Schedule 40 pipe and grooved

One-Way Full Flow Ball Valve Female NPT

Size	Aluminum Part #
2"	1WAYBV200
3"	1WAYBV300
4"	1WAYBV400

One-Way Full Flow Ball Valve Socket Weld

Size	Bore	Aluminum Part #
2"	2.390"	1WAYBV200SW
3"	3.530"	1WAYBV300SW

One-Way Full Flow Ball Valve Grooved

Size	Aluminum Part #
2"	1WAYBV200VIC
3"	1WAYBV300VIC

Dixon® MannTek Full Flow Ball Valves

Application
- Commonly used for switching compartments or tanks

Features
- High flow rate; low pressure drop
- Spindle can be disassembled even when ball valve is installed
- Optional ports include DN flange, butt weld, and 150# flange, contact Dixon for details
- Three ports – one inlet and two outlets, valve directs the flow from the inlet to either of the two outlets

Materials
- Wetted parts are aluminum and stainless steel
- FPM seals

Specifications
- Working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- Standard valve ports – female NPT, socket weld for Schedule 40 pipe and grooved

2WAYBV200

2WAYBV200-SH

Two-Way Full Flow Ball Valve Female NPT

Size	Aluminum Part #
2"	2WAYBV200
	2WAYBV200-SH[1]
3"	2WAYBV300

[1] Supplied with straight handle

Two-Way Full Flow Ball Valve Socket Weld

Size	Bore	Aluminum Part #
2"	2.390"	2WAYBV200SW
		2WAYBV200SW-SH[1]
3"	3.530"	2WAYBV300SW

[1] Supplied with straight handle

Two-Way Full Flow Ball Valve Grooved

Size	Aluminum Part #
2"	2WAYBV200VIC3
3"	2WAYBV300VIC3

Full Port Carbon Steel LP Gas Ball Valves

Applications
- For LP-Gas, natural gas, and flammable liquid

Materials
- Carbon steel body
- Chromium plated ball
- PTFE seal

Feature
- Blow-out proof stem
- Adjustable packing gland

Specification
- Pressure rating: **150 PSI** saturated steam
- Pressure rating: **250 PSI** LP-Gas

Female NPT	Cold Working Pressure (CWP) PSI	Port	Carbon Steel Part #
1/4"	**2000**	full	CSBV25
3/8"			CSBV38
1/2"			CSBV50
3/4"		standard	CSBV75
1"			CSBV100
1-1/4"	**1500**		CSBV125
1-1/2"			CSBV150
2"			CSBV200
2-1/2"	**1000**		CSBV250
3"			CSBV300

Carbon Steel Ball Valves

Applications
- For control of air, water, oil, and gas in hose or pipe lines, for other services please contact Dixon

Features
- Blow-out proof stem
- Adjustable packing gland

Specification
- Pressure rating: **150 PSI** saturated steam

Materials
- Carbon steel body
- Chromium plated ball
- RPTFE seat and seal

Female NPT	PSI	Port	Carbon Steel Part #
1/4"	**2000**	full	IBV25
3/8"	**2000**		IBV38
1/2"	**2000**	standard	IBV50
3/4"	**2000**		IBV75
1"	**2000**		IBV100
1-1/4"	**1500**		IBV125
1-1/2"	**1500**		IBV150
2"	**1500**		IBV200

WARNING: Misuse of this product can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

High Pressure Full-Bore 3-Way Ball Valves

Features
- Rugged construction
- L flow pattern

Materials
- Clear zinc carbon steel
- Nitrile rubber O-ring
- Nickel plated ball

Specification
- Temperature range: **-20°F** to **215° F (-29°C** to **102°C)**

Female NPT	PSI	Carbon Steel Part #
1/2"	5145	HPBV12-3WAYZPL
3/4"		HPBV34-3WAYZPL
1"		HPBV10-3WAYZPL

High Pressure Clear Zinc Ball Valves

Feature
- Full port, sizes 1/4 to 1", Reduced port, sizes 1-1/4 to 1-1/2"

Specification
- Temperature range: **-20°F** to **215°F (-29°C** to **102°C)**

Materials
- Nitrile rubber O-rings
- POM (Polyacetal) ball seats

Approval
- RoHS compliant

Female NPT	PSI	Carbon Steel		PSI
		Part #	SAE Part #	
1/4"	7350	HPBV25ZPL	HPBV25SAEZPL	7350
3/8"		HPBV38ZPL	HPBV38SAEZPL	
1/2"		HPBV12ZPL	HPBV12SAEZPL	
3/4"	6000	HPBV34ZPL	HPBV34SAEZPL	6000
1"		HPBV10ZPL	HPBV10SAEZPL	
1-1/4"		HPBV125ZPL	HPBV125SAEZPL	
1-1/2"		HPBV150ZPL	HPBV150SAEZPL	
2"		HPBV200ZPL	HPBV200SAEZPL	

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High Pressure Full-Bore Ball Valves

Features
- Blow-out proof stem
- Rugged construction
- Full port, sizes 1/4 to 1"

Materials
- FKM/FPM seals
- POM (Polyacetal) ball seats
- 316 stainless steel

Specification
- Temperature range: **-20°F** to **215°F (-29°C** to **101.6°C)**

Female NPT	PSI	316 Stainless Steel Part #
1/4"	5880	HPBV25SS
3/8"		HPBV38SS
1/2"		HPBV12SS
3/4"	5145	HPBV34SS
1"		HPBV10SS

Polypropylene Bolted Ball Valves

Feature
- Chemically-resistant, reinforced polypropylene

Materials
- PTFE ball seat
- EPDM O-ring body seal, FKM O-ring stem seal
- 304 stainless steel nuts and bolts

Specifications
- Pressure rating:
  – 1/2" to 3" is rated to **125 PSI** at **70°F (21°C)**
  – 4" is rated to **90 PSI** at **70°F (21°C)**

Approval
- FDA approved material

Polypropylene 4-Bolt Ball Valves

Female NPT	Port	Polypropylene Part #
1/2"	full	PVFP50
3/4"		PVFP75
1"		PVFP100
1-1/2"		PVFP150
1"	standard	PV100
2"		PV200

Polypropylene 6-Bolt Ball Valves

Female NPT	Port	Polypropylene Part #
2"	full	PVFP200
3"		PVFP300

Polypropylene 8-Bolt Ball Valves

Female NPT	Port	Polypropylene Part #
4"	full	PVFP400

Polypropylene Compact Bolted Ball Valves

Materials
- Chemically-resistant, reinforced polypropylene body, PTFE ball seat
- EPDM O-ring body seal, FKM O-ring stem seals
- 304 stainless steel nuts and bolts

Specification
- Pressure rating: **125 PSI** at **70°F (21°C)**

Approval
- FDA approved material

Polypropylene Compact Bolted Ball Valve

Female NPT	Port	Body Length	Polypropylene Part #
2"	full	4-7/8"	PVFPS200

Polypropylene Compact Bolted Ball Valve

Female NPT x Male Adapter	Port	Body Length	Polypropylene Part #
2"	full	6-7/8"	PVFPSA200

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Polypropylene 45° Single Union Nozzle Valves

Materials
- Corrosion resistant polypropylene body, PTFE ball seats
- EPDM O-ring

Specification
- Pressure rating: **125 PSI** at **70°F (21°C)**

Approval
- FDA approved material

Female NPT x Nozzle	Port	Polypropylene Part #
1"	full	SUBVN100

Polypropylene Bolted Ball Valves with Nozzle

Feature
- Body-to-flange design allows for low torque operation

Materials
- Chemically-resistant, reinforced polypropylene body, PTFE ball seat
- EPDM O-ring body seals, FKM O-ring stem seals
- 304 stainless steel nuts and bolts

Specification
- Pressure rating: **125 PSI** at **70°F (21°C)**

Approval
- FDA approved material

Female NPT x Nozzle	Port	Polypropylene Part #
1-1/2"	full	PVFPN150
2"		PVFPN200
2"	standard	PVN200

Polypropylene Single Union Ball Valves

Materials
- Corrosion resistant polypropylene body, PTFE ball seat
- EPDM O-ring

Specification
- Pressure rating: **125 PSI** at **70°F (21°C)**

Approval
- FDA approved material

Female NPT	Port	Polypropylene Part #
1/2"	full	SUBV50
3/4"		SUBV75
1"		SUBV100
1-1/4"		SUBV125
1-1/2"		SUBV150
2"		SUBV200
3"		SUBV300

Domestic Bronze Gate Valves

Features
- Class 150
- Union bonnet
- ASME B1.20.1
- Grafoil® packing
- Rising stem
- Solid disc

Specifications
- Temperature range: **-20°F** to **406°F (-29°C** to **208°C)**
- Pressure rating: **300 PSI** cold working pressure **150 PSI** steam working pressure

Material
- Malleable iron handwheel

Approval
- 100% factory tested

Female NPT	Bronze Part #
1/2"	DBGV50
3/4"	DBGV75
1"	DBGV100
1-1/4"	DBGV125
1-1/2"	DBGV150
2"	DBGV200

Stainless Steel Gate Valves

Features
- Threaded bonnet
- Integral seat
- Adjustable packing nut
- Non-rising stem
- Solid wedge disc

Material
- Iron handwheel

Approval
- 100% factory tested

Specification
- Pressure rating: **200 PSI** non-shock cold water, oil, gas

Female NPT	Brass Part #	316 Stainless Steel Part #
1/4"	BGV25	---
3/8"	BGV38	---
1/2"	BGV50	SSGV50
3/4"	BGV75	SSGV75
1"	BGV100	SSGV100
1-1/4"	BGV125	SSGV125
1-1/2"	BGV150	SSGV150
2"	BGV200	SSGV200
2-1/2"	BGV250	---
3"	BGV300	---
4"	BGV400	---

brass

316 stainless

Forged Steel Gate Valves

Application
- Can be used for steam service

Specifications
- Pressure rating: **1975 PSI**
- Maximum temperature: **800°F (427°C)**

Features
- Class 800
- ASTM A105, ANSI B120.1
- Bolted bonnet

Female NPT	Forged Steel Part #
1/2"	FSGV50
3/4"	FSGV75
1"	FSGV100
1-1/4"	FSGV125
1-1/2"	FSGV150
2"	FSGV200

Forged Steel Globe Valves

Application
- Can be used for steam service

Features
- ASTM A105, ANSI B120.1
- Bolted bonnet

Specifications
- Class 800
- Pressure rating: **1975 PSI**
- Maximum temperature: **800°F (427°C)**

Female NPT	Forged Steel Part #
1/2"	FSGLBV50
3/4"	FSGLBV75
1"	FSGLBV100
1-1/4"	FSGLBV125
1-1/2"	FSGLBV150
2"	FSGLBV200

O

WARNING: Misuse of these products can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

Domestic Bronze Globe Valves

Features
- Union bonnet
- ASME B1.20.1
- Grafoil® packing

Specifications
- Class 150
- Pressure rating:
  300 PSI cold working pressure
  150 PSI steam working pressure

Materials
- PTFE disc
- Malleable iron handwheel

Approval
- 100% factory tested

Female NPT	Bronze Part #
1/2"	DGLBV50
3/4"	DGLBV75
1"	DGLBV100
1-1/4"	DGLBV125
1-1/2"	DGLBV150
2"	DGLBV200

WARNING: Misuse of these products can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

Betts Wet-R-Dri™ Butterfly Valves

Application
- Designed for handling liquid, gaseous, or dry products

Specification
- Temperature range: **0°F** to **400°F** (**-17°C** to **204°C**)

Features
- Has a positive stop in the open and closed position
- Detent spring and ball assist in holding the disc in the open and closed position
- Drilling fits TTMA recommended standards
- Opens by turning hand 1/4 turn counterclockwise

Manual

Size	Maximum Working Pressure PSI	Extruded aluminum body with FKM-B disc Part #
2"	75	WD201ALVB
3"		WD301ALVB
4"		WD401ALVB
5"		WD501ALV
6"		WD601ALV
8"		WD801ALV

Metering

Size	Maximum Working Pressure PSI	Extruded aluminum body with FKM-B disc Part #
2"	75	WD206ALVB
3"		WD306ALVB
4"		WD406ALVB
5"		WD506ALV
6"		WD606ALV
8"		WD806ALV

Replacement Handles

Part #	Description
28967ALEY	replacement handle for 2", 3", 4", and 5" manual handle valves
25933AL	replacement handle for 6" and 8" manual handle valves
28981ALEY	replacement handle for 2", 3', 4", and 5" metering handle valves
26287AL	replacement handle for 6" and 8" metering handle valves

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

Ductile Iron Butterfly Valves

WARNING: Not recommended for steam service

Application
- For use between two 150 lb. flanges

Feature
- 10 position trigger grip handle

Specification
- Pressure rating: **200 PSI** at ambient temperature **70°F (21°C)**

Threaded Lug Style Butterfly Valves

Materials
- Ductile iron body, ASTM A536
- Aluminum bronze disc, ASTM B148, ALY.954
- PTFE bushing
- Stainless steel top and bottom stems

Size	Ductile Iron with Nitrile Rubber Liner Part #	Ductile Iron with EPDM Liner Part #
2"	BFVL200	BFVL200E
3"	BFVL300	BFVL300E
4"	BFVL400	BFVL400E
6"	BFVL600	BFVL600E

Wafer Style 150 lb. Butterfly Valves with Aluminum Bronze Disc

Materials
- Ductile iron body, ASTM A536
- Aluminum bronze disc, ASTM B148, ALY.954
- PTFE bushing
- Stainless steel top and bottom stems

Size	Ductile Iron with Nitrile Rubber Liner Part #	Ductile Iron with EPDM Liner Part #
2"	BBFVW200	BBFVW200E
3"	BBFVW300	BBFVW300E
4"	BBFVW400	BBFVW400E
6"	BBFVW600	BBFVW600E

Wafer Style 150 lb. Butterfly Valves with Stainless Disc

Materials
- Ductile iron body, ASTM A536
- Stainless steel disc, ASTM A351, GR. CF-8M
- Nitrile rubber seal and stem seals
- PTFE bushing
- Stainless steel top and bottom stems

Size	Ductile Iron with Nitrile Rubber Liner Part #
2"	BFVW200
3"	BFVW300
4"	BFVW400
6"	BFVW600

Wafer Style 150 lb. Butterfly Valves with Iron Disc

Materials
- Ductile iron body, ASTM A536
- Nickel plated ductile iron disc
- Nitrile rubber seal and stem seals
- PTFE bushing
- 416 stainless stem

Size	Ductile Iron with Nitrile Rubber Liner Part #	Ductile Iron with EPDM Liner Part #
3"	IBFVW300	IBFVW300E
4"	IBFVW400	IBFVW400E
6"	IBFVW600	IBFVW600E
8"	IBFVW800	IBFVW800E

Flow Control Valves

Steel Series-F

Features
- Two-step needle provides fine adjustments at low flow with the first three turns of the adjusting knob; the next three turns give full-open needle position and conventional throttling control; when flow is reversed, a heavy-duty poppet/retainer permits full-flow return capacity
- Color-coded reference scale simplifies flow setting, resetting, adjusting, and return to original flow; a simple set screw locks the valve on any desired setting

Material
- Seal: Nitrile

Specifications
- Maximum operating pressure:
  5000 PSI at **70°F (21°C)** for 1/8" to 1/2"
  3000 PSI at **70°F (21°C)** for 3/4" to 2"
- Cracking pressure: **5 PSI**

Female NPTF	Black Oxide Steel Part #
1/8"	SFC200
1/4"	SFC400
3/8"	SFC600
1/2"	SFC800
3/4"	SFC1200
1"	SFC1600
1-1/2"	SFC2400
2"	SFC3200

Brass Series-F

Features
- Provides precision flow control and full shutoff in one flow direction; automatically allows unrestricted flow in the opposite direction
- Two-step needle for fine adjustments at low flow with first three turns of the adjusting knob; next three turns give full-open needle position and conventional throttling control
- When flow is reversed, the heavy-duty poppet/retainer permits full flow return capacity
- Color-coded scale simplifies flow setting, resetting, adjusting, and return to an original flow
- A set screw locks the valve on any desired setting

Material
- Seal: Nitrile

Specifications
- Maximum operating pressure:
  2000 PSI at ambient temperature **70°F (21°C)** for sizes 1/8" to 3/4"
  500 PSI at ambient temperature **70°F (21°C)** for 1"
- Cracking pressure: **5 PSI**

Female NPTF	Brass Part #
1/8"	BFC200
1/4"	BFC400
3/8"	BFC600
1/2"	BFC800
3/4"	BFC1200
1"	BFC1600

Flow Control Valves

Series-MV Metering

Features
- Easily make fine adjustments and resets with color code feature that shows when desired setting is reached
- Body components are precision-turned from solid bar stock

Material
- 416 stainless steel needle
- Seal: Nitrile

Specification
- Maximum operating pressure: **5000 PSI** at **70°F (21°C)**

Female NPTF	Steel Part #
1/4"	SMV400
3/8"	SMV600
1/2"	SMV800

Steel Series-N

Features
- Excellent speed control on hydraulic systems where a reverse flow check valve is not needed
- Reliable shutoff in a very small envelope; color-coded reference scale simplifies setting, resetting, adjusting, and quick return to a previous speed setting

Material
- Seal: Nitrile

Specifications
- Maximum operating pressure:
  5000 PSI at **70°F (21°C)** for 1/8" to 3/4"
  3000 PSI at **70°F (21°C)** for 1" to 1-1/4"
- Cracking pressure: **5 PSI**

Female NPTF	Steel Part #
1/8"	SN200
1/4"	SN400
3/8"	SN600
1/2"	SN800
3/4"	SN1200
1"	SN1600
1-1/4"	SN2000

Brass Series-N

Features
- For use as speed control on hydraulic and pneumatic systems where a reverse flow check valve is not needed
- Provides excellent control and reliable shutoff in a very small envelope
- Color-coded scale simplifies setting, resetting, adjusting, and quick return to a previous speed setting

Specifications
- Maximum operating pressure:
  2000 PSI at **70°F (21°C)** for 1/8" to 3/4"
  500 PSI at **70°F (21°C)** for 1"

Female NPTF	Brass Part #
1/8"	BN200
1/4"	BN400
3/8"	BN600
1/2"	BN800
3/4"	BN1200
1"	BN1600

Mini Needle Valves

Features
- Available in a variety of materials and handle options
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- Stem threads are rolled for strength and ease of operation

Material
- Stems: 316 stainless steel

Specifications
- Metal-to-metal hard seat design is 100% helium leak tested to 1 x 10-4 ml/s at **200 PSI**
- 1/8" and 1/4" are orifice size: 0.172", flow coefficient: 0.42
- 1/2": orifice size are 0.187", flow coefficient: 0.44, hex body

brass

316 stainless

Male to Female

NPT Size	Handle Style	PSI at 200°F	Brass Part #	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/8" - 27	knurled knob	**6000**	MFB101	T design	**10000**	MFC101	MFS101
1/4" - 18	knurled knob	**6000**	MFB102	T design	**10000**	MFC102	MFS102
1/2" - 14	---	---	---	T design	**10000**	MFC404	MFS404

brass

316 stainless

Female to Female

NPT Size	Handle Style	PSI at 200°F	Brass Part #	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/8" - 27	knurled knob	**6000**	FFB101	T design	**10000**	FFC101	FFS101
1/4" - 18	knurled knob	**6000**	FFB102	T design	**10000**	FFC102	FFS102
1/2" - 14	---	---	---	T design	**10000**	FFC404	FFS404

Multiport Needle Valves

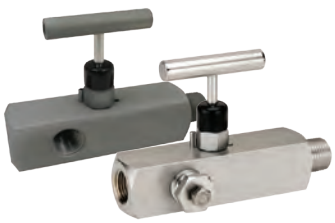
Features
- Reduces the number of gauge and other instrument connections to permanent piping installations, decreasing possible leak paths
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- Stem threads are rolled for strength and ease of operation

Material
- Stems: 316 stainless steel

Specifications
- Metal-to-metal hard seat design is 100% helium leak tested to 1 x 10-4 ml/s at **200 PSI**
- 1/2" female NPT port
- Orifice size is 0.187", flow coefficient: 0.44

Hard Seat Male to Female

NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/2" - 14	T design	**10000**	MFC204	MFS204
3/4" - 14			MFC20604	MFS20604



Soft Seat Male to Female

NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/2" - 14	T design	**6000**	MFC304	MFS304
3/4" - 14			MFC30604	MFS30604

Block and Bleed Needle Valves

Application
- Allows pressure to be bled off without disturbing the permanent piping installation allowing quick and easy removal or replacement of instruments

Features
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- Stem threads are rolled for strength and ease of operation
- 0.090" bleed hole located on bottom is controlled by a 1/4"-20 UNF-2A bleed screw

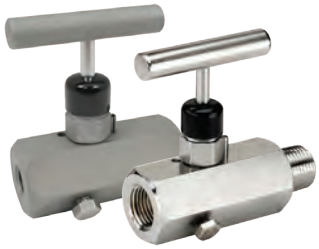
Material
- Stems: 316 stainless steel

Specifications
- Metal-to-metal hard seat design is 100% helium leak tested to 1 x 10-4 ml/s at **200 PSI**
- Orifice size is 0.187", flow coefficient: 0.44

Hard Seat Male to Female

NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/4" - 18	T design	**10000**	MFC602	MFS602
1/2" - 14			MFC604	MFS604

Soft Seat Male to Female



NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/4" - 18	T design	**6000**	MFC702	MFS702
1/2" - 14			MFC704	MFS704

Bleed Needle Valves

Application
- Convenient way to relieve process pressures trapped between a shut-off valve and the instrument

Features
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- Stem threads are rolled for strength and ease of operation
- 0.159" bleed port

Materials
- Non-rotating soft tip stem and a backup metal-to-metal seal
- Stems: 316 stainless steel

Specification
- Metal-to-metal hard seat design is 100% helium leak tested to 1 x 10-4 ml/s at **200 PSI**

Hard Seat Male

316 stainless

NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/4" - 18	T design	**10000**	MC802	MS802
1/2" - 14			MC804	MS804

Soft Tip Male

316 stainless

NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/4" - 18	T design	**6000**	MC852	MS852
1/2" - 14			MC854	MS854

Valves

Button

BV2F

BV2M

Thread	Brass Part #
1/4" NPT female	BV2F
1/4" NPT male	BV2M

Tank Filler

TFV1S

TFV2

TFV1L

TFV2HB

Applications
- Used on compressed air tanks and other applications

Feature
- Standard valve stem thread

Connection	Length	Nickel Plated Part #	Length	Brass Part #
1/8" NPT	.85"	TFV1S	---	---
	1.24"	TFV1L	---	---
1/4" NPT	1"	TFV2	---	---
1/4" barb	---	---	1.57"	TFV2HB

Brass Lever External Drains

Application
- For air service only ⚠

Specification
- Maximum operating pressure: **30 PSI** at ambient temperature **70°F (21°C)**

Female NPT	Male NPT	Brass Part #
1/4"	1/4"	LDC2

Male NPT	Male NPT	Brass Part #
1/4"	1/4"	LDCM2

Female NPT	Female NPT	Brass Part #
1/4"	1/4"	LDCF2

Brass External Drain Cocks

Application
- Designed for low pressure water and air applications

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

NPT Size	Brass Part #
1/8"	D02
1/4"	D04

Needle Valves

Application
- Designed for air and water applications

Feature
- Metal-to-metal seats allow positive sealing and flow adjustment

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

Female x Female

Female NPT	Female NPT	Brass Part #
1/8"	1/8"	NV2F
1/4"	1/4"	NV4F

Male x Male

Male NPT	Male NPT	Brass Part #
1/4"	1/4"	NV4M

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Safety Check Valves

Applications

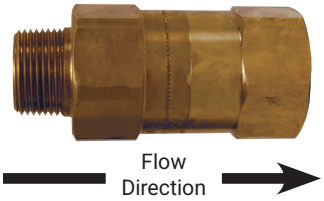
- Used in temporary plant/factory air lines, construction sites, shipyards, or utilities
- Not for use in applications where 100% of the available air is required, i.e. sand blast, pile driving rigs, expansion joint blow down pipes, etc.

Features

- High-flow valve provides optimum performance
- Controls excess air flow (SCFM) in only one direction
- Automatically senses change in air flow and shuts off the flow in the event of a surge in excess of valve flow rating thus preventing hose whip
- Does not prevent backflow

Materials

- Solid brass body and valve
- Stainless steel spring and roll pin



Specifications

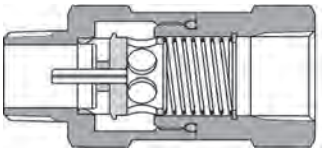
- Maximum operating pressure: **350 PSI**
- Maximum temperature: **250°F (121°C)**

Approval

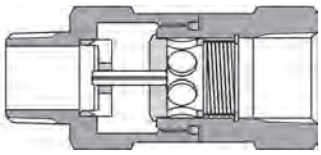
- Conforms to OSHA regulation 1926.302 (b) (7) requiring a safety device at the source of the air supply and at branch air lines

How It Works

- Safety check valves utilize the pressure differential across the valve to operate the valve and spring assembly. The pressure differential is directly related to the flow of air (SCFM) through the valve.
- When the pressure differential is within the operating limits of the unit – below the cutoff flow –, the force on the valve exerted by the spring is greater than that caused by the pressure differential (see "Open Position" graphic to the left). 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 left).
- After the repair is made, normal operation is automatically enabled when pressure across the valve equalizes through the bleeder hole.
- The valve spring size can be specified by determining the air flow during normal operation and by estimating the air flow if a failure or rupture occurs.



Open Position



Closed Position

NPT and Hose I.D. Size	Cutoff Flow Rate (SCFM at 90 PSI)	Brass Part #	NPT & Hose I.D. Size	Cutoff Flow Rate (SCFM at 90 PSI)	Brass Part #
1/4"	23-29	SCVL2	1-1/4"	260-290	SCVL10
3/8"	30-36	SCVL3		300-340	SCVM10
	39-47	SCVM3		440-500	SCVS10
	52-65	SCVS3		570-630	SCVH10
1/2"	70-78	SCVM4	1-1/2"	300-360	SCVL12
	80-96	SCVS4		470-530	SCVM12
3/4"	72-88	SCVL6		564-602	SCVX12
	92-108	SCVM6		640-720	SCVS12
	112-128	SCVR6		750-830	SCVH12
	132-148	SCVJ6	2"	510-590	SCVL16
	160-180	SCVS6		725-825	SCVM16
	180-200	SCVH6		900-1050	SCVS16
1"	165-195	SCVL8		1100-1200	SCVH16
	220-260	SCVM8	3"	1200-1400	SCVL24
	280-320	SCVS8		2400-2700	SCVS24
	310-340	SCVH8		2850-3050	SCVH24
				see below*	SCVS24-16

*Designed for **350 PSI** 1550 SCFM compressors

Safety Pop-Off Valves

Application
- For use on compressors and in compressed air service

Feature
- Designed to protect un-fired pressure vessels from over-pressure

Specification
- Maximum temperature: **400°F (204°C)**

Approvals
- ASME Code, National Board Certified
- CSA B51-03 certified

Soft Seat

Material
- Constructed of precision machined brass bar stock with a silicone disc sealing on the brass

Male NPT	Preset Pressure PSI	SCFM	Brass Part #
1/4"	**100**	51	KSV10-100
	125	62	KSV10-125
	150	73	KSV10-150
	175	84	KSV10-175

Standard

Materials
- Brass valves are supplied with a stainless steel ball
- Stainless valves are all stainless construction with a hard seat

Specification
- Temperature range **-65°F** to **400°F (-54°C** to **204°C)**

brass

stainless steel

Male NPT	Preset Pressure PSI	SCFM	Brass Part #	SCFM	Stainless Steel Part #
1/4"	**30**	30	SV30	35	SV30SS
	100	90	SV100	92	SV100SS
	125	110	SV125	112	SV125SS
	150	130	SV150	132	SV150SS
	175	150	SV175	153	SV175SS
	200	170	SV200	173	SV200SS

Heavy Duty, High Capacity

Material
- All-brass construction with stainless steel ball on a precision machined brass seat

Male NPT	Preset Pressure PSI	SCFM	Brass Part #
1/2"	**30**	73	SV30HD[1]
	100	208	SV100HD
	125	254	SV125HD
	150	300	SV150HD
	175	346	SV175HD
	200	391	SV200HD

[1] Constructed with soft seat

Series-C Check Valves

brass

steel

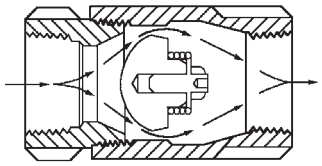
Feature
- Provides free flow in one direction and dependable shutoff in the opposite direction

Material
- Seal: Nitrile

Specifications
- Maximum operating pressure: brass **2000 PSI** at **70°F (21°C)**; Steel **5000 PSI** at **70°F (21°C)**
- Cracking pressure: **5 PSI**

Female NPT	Free Flow GPM	Maximum Operating PSI at 70°F (21°C)	Brass Part #	Maximum Operating PSI at 70°F (21°C)	Steel Part #
1/8"	**3**	**2000**	BCV200	**5000**	SCV200
1/4"	**5**	**2000**	BCV400	**5000**	SCV400
3/8"	**8**	**2000**	BCV600	**5000**	SCV600
1/2"	**15**	**2000**	BCV800	**5000**	SCV800

Domestic Ball Cone Check Valves



Pressure Ratings

Temperature	Pressure WOG (PSI)
-20°F to 100°F (-29°C to 38°C)	**400**
200°F (93°C)	**200**
250°F (121°C)	**160**
275°F (135°C)	**150**
300°F (149°C)	**140**
325°F (163°C)	**130**
353°F (178°C)	**125**

Application
- For use with water, oil, or inert gases. Not recommended for use on or near reciprocating pumps or other similar vibration causing machinery.

Specifications
- Pressure rating: **400 PSI WOG**, cold non-shock; **125 PSI** saturated steam
- Cracking pressure: **.5 PSI**
- Temperature range: **-20°F** to **353°F (-29°C** to **178°C)**

Features
- Tight shutoff with liquid media
- No radial alignment necessary
- Straight through and streamlined for minimum change in velocity
- Reinforced PTFE check is spring loaded for fast seating action.

Ball Cone Check Valve

Size	Female NPT x Female NPT Brass Part #	Female NPT x Female NPT 316 Stainless Steel Part #	Male NPT x Female NPT Brass Part #
1/4"	61-101	62-101	61-201
3/8"	61-102	62-102	61-202
1/2"	61-103	62-103	61-203
3/4"	61-104	62-104	61-204
1"	61-105	62-105	61-205
1-1/4"	61-106	62-106	61-206
1-1/2"	61-107	62-107	61-207
2"	61-108	62-108	61-208
2-1/2"	61-109	---	---
3"	61-100	---	---

WARNING: Misuse of these products can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

800 PSI Stainless Steel Check Valves

Features
- Soft PTFE seat is spring loaded for fast seating action
- Flow profile designed to minimize head loss
- Corrosion resistance, excellent for use on chemicals
- Dual guided stem and disc

Specifications
- Temperature range: **10°F** to **450°F** (**-12°C** to **232°C**)
- Pressure rating: **800 PSI WOG**; **125 PSI** saturated steam
- Cracking pressure: .**5 PSI**

Female NPT	316 Stainless Steel Part #
1/4"	SSCVIL025
3/8"	SSCVIL038
1/2"	SSCVIL050
3/4"	SSCVIL075
1"	SSCVIL100
1-1/4"	SSCVIL125
1-1/2"	SSCVIL150
2"	SSCVIL200

Forged Steel Check Valves

Features
- ASTM A105, ANSI B120.1
- Bolted bonnet
- Can be used for steam service

Specifications
- Class 800
- Pressure rating: **1975 PSI**
- Maximum temperature: **800°F (427°C)**

Female NPT	Forged Steel Part #
1/2"	FSCV50
3/4"	FSCV75
1"	FSCV100
1-1/4"	FSCV125
1-1/2"	FSCV150
2"	FSCV200

WARNING: Misuse of these products can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

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Spring-Loaded Check Valves

Features
- Soft seat for bubble tight shutoff, spring loaded for fast seating action
- Flow profile designed to minimize head loss

Material
- Nitrile rubber seat

Specifications
- Pressure rating :1/2" to 2" **400 PSI WOG**; 3" to 4" **175 PSI WOG**
- Temperature range: **10°F** to **210°F** **(-10°C** to **100°C)**
- Cracking pressure: **0.50 PSI**

Female NPT	Brass Part #
1/2"	CV050
3/4"	CV075
1"	CV100
1-1/4"	CV125
1-1/2"	CV150
2"	CV200
3"	CV300
4"	CV400

Strainer with Spring-Loaded Check Valves

Features
- Soft seat for bubble tight shutoff, spring loaded for fast seating action
- Flow profile designed to minimize head loss

Material
- Brass with nitrile rubber seat and stainless steel strainer

Specifications
- Temperature range: **10°F** to **210°F** **(-10°C** to **100°C)**
- Cracking pressure: **0.50 PSI**
- Pressure rating: 1-1/2" to 2" **400 PSI WOG**, 3"-4" **175 PSI WOG**

Female NPT	Brass Part #
1-1/2"	BVFS20
2"	BVFS25
3"	BVFS35
4"	BVFS40

Swing Check Valves

Applications
- For use in plumbing and liquid piping systems to prevent backflow
- For horizontal or vertical use

Features
- Full flow performance with a minimum of turbulence or pressure loss
- A positive seating disc allows flow only in one direction and a screw-in cap provides easy access for periodic cleaning.

Material
- Brass disc

Specifications
- Pressure rating: **200 PSI WOG**
- Temperature range: **-20°** to **150°F (-29°C** to **66°C)**

Female NPT	Brass Part #
1/2"	SWCV50
3/4"	SWCV75
1"	SWCV100
1-1/4"	SWCV125
1-1/2"	SWCV150
2"	SWCV200
3"	SWCV300
4"	SWCV400

O

Domestic Swing Check Valves

Features
- Class 150
- ASME B1.20.1
- 100% factory tested

Material
- Metal seat

Specifications
- Working pressure: **200 PSI** cold; **125 PSI** steam
- Temperature range: **-20°F to 406°F** **(-29°C** to **208°C)**

Female NPT	Brass Part #
1/2"	DSCV50
3/4"	DSCV75
1"	DSCV100
1-1/4"	DSCV125
1-1/2"	DSCV150
2"	DSCV200

WARNING: Misuse of this product can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

Drum Plug Wrenches

Features
- Sparkproof, natural finish is safe around flammables
- Offset handle design reduces user stress and minimizes knuckle injury

0.05 in	Aluminum Part #
DPW	ADPW

DPW

ADPW

Drum Faucets

Polyethylene Drum Faucets

Features
- No wrench needed for screwing into drum opening
- 2" faucet is shipped with a gasket; the 3/4" does not require a gasket

Specification
- Faucets are *not* to be used in applications where temperatures exceed **140°F (60°C)**.

0.05 in	Gold Polyethylene Part #
3/4"	PEDF75
2"	PEDF200

FM

Stainless Heavy Duty Adjustable Drum Faucets

Feature
- Adjustable shank is designed to easily adjust to proper drain position after installing in drum

Material
- PTFE gasket

Specification
- 3/4" NPT connection

Approval
- FM approved for use with oils and non-flammables

Stainless Steel Part #
HDSSF75

FM

Brass Heavy Duty Adjustable Drum Faucets

Feature
- Easy-to-use, self-closing design

Specification
- 3/4" NPT connection

Approval
- FM approved for use with oils and non-corrosive flammables

Brass Part #
AHDBF75

FM

Brass Heavy Duty Drum Faucet with Rigid Shanks

Feature
- Easy-to-use, self-closing design

Material
- PTFE gasket

Specification
- 3/4" NPT connection

Approval
- FM approved for use with oils and non-corrosive flammables

Brass Part #
HDBF75

Hose Bibb Faucets

Feature
- 125 WOG

Size	Cast Brass Part #	Lead-Free Cast Brass Part #
1/2" MIP x 3/4" MGHT	BRF50[1]	BRF50LF[2]
3/4" MIP x 3/4" MGHT	BRF75[1]	BRF75LF[2]

[1] ISO-9002
[2] ISO-9002, NSF approved

O

Drum Thread Adapters

Application
- For use in gravity discharge from drums

Features
- Male NPSH thread with gasket on the drum side allows for a connection to drums with female NPSH thread
- Male NPT end allows for a connection with the female NPT found on most ball valves

Size	Cast Brass Part #
2" x 2"	DMH20DR20

Drum Gate Valves

Application
- Ideal for drawing non-flammable liquids from drums and tanks

Features
- Manually operated
- Machined and lapped brass faceplate designed for oval discharge, ensures no splashing and a smooth operation
- Black Japanned finish
- Can be padlocked

Male NPT	Iron Part #
3/4"	D71
2"	D75

Features
- Lightweight, durable aluminum body provides improved corrosion resistance for certain fluids
- Sturdy 2" handle is stamped metal with black enamel finish
- Can be padlocked

Male NPT	Aluminum Part #
2"	D75AL

Self-Closing Gate Valves

Application
- Ideal for dispensing viscous liquids such as oil, grease, paint, varnish, and syrups from drums and tanks

Features
- Gate closes automatically when handle is released, cleaning discharge surface
- Can be padlocked

Material
- Gray iron body, brass sliding gate, and machine lapped sealing surface

Male NPT	Iron Part #
3/4"	D71SC
2"	D75SC

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P

NPT Threaded Bell Reducers

Features

- Other sizes available
- 304 stainless steel fittings are also available; consult Dixon® for pricing and availability

Female NPT	Female NPT	300# Iron Part #	150# Iron Part #	150# Galvanized Iron Part #
1/4"	1/8"	---	BR1418	---
3/8"	1/8"	---	BR3818	---
	1/4"	---	BR3825	---
1/2"	1/4"	300BR5025	BR5025	BR5025G
	3/8"	---	BR5038	BR5038G
3/4"	1/4"	---	BR7525	---
	3/8"	---	BR7538	---
	1/2"	300BR7550	BR7550	BR7550G
1"	1/4"	---	BR1025	---
	3/8"	---	BR1038	---
	1/2"	---	BR1050	BR1050G
	3/4"	300BR1075	BR1075	BR1075G
1-1/4"	1/2"	---	BR1250	---
	3/4"	---	BR1275	---
	1"	300BR1210	BR1210	BR1210G
1-1/2"	3/4"	---	BR1575	---
	1"	300BR1510	BR1510	BR1510G
	1-1/4"	300BR1512	BR1512	BR1512G
2"	3/4"	---	BR2075	---
	1"	300BR2010	BR2010	BR2010G
	1-1/4"	300BR2012	BR2012	---
	1-1/2"	300BR2015	BR2015	BR2015G
2-1/2"	1"	---	BR2510	---
	1-1/2"	---	BR2515	---
	2"	---	BR2520	BR2520G
3"	1"	---	BR3010	---
	1-1/4"	---	BR3012	---
	1-1/2"	---	BR3015	---
	2"	---	BR3020	BR3020G
	2-1/2"	---	BR3025	BR3025G
4"	1"	---	BR4010	---
	1-1/2"	---	BR4015	---
	2"	---	BR4020	---
	2-1/2"	---	BR4025	---
	3"	---	BR4030	BR4030G
6"	3"	---	BR6030	---
	4"	---	BR6040	---

300# iron

150# iron

150# galvanized iron

P

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

NPT Threaded Bell Reducers

150# 316 stainless steel

3000# forged steel

125# brass

Features
- Other sizes available
- 304 stainless steel fittings are also available; consult Dixon® for pricing and availability

Female NPT	Female NPT	150# 316 Stain.Steel Part #	3000# Forged Steel Part #	125# Brass Part #
1/4"	1/8"	---	---	---
3/8"	1/8"	---	---	---
	1/4"	BR3825SS	---	---
1/2"	1/4"	BR5025SS	---	---
	3/8"	BR5038SS	BR5038FS	BR5038B
3/4"	3/8"	BR7538SS	---	---
	1/2"	BR7550SS	BR7550FS	BR7550B
1"	1/2"	BR1050SS	---	BR1050B
	3/4"	BR1075SS	BR1075FS	BR1075B
1-1/4"	1"	BR1210SS	---	BR1210B
1-1/2"	3/4"	---	---	BR1575B
	1"	BR1510SS	BR1510FS	BR1510B
	1-1/4"	BR1512SS	BR1512FS	---
2"	1"	BR2010SS	BR2010FS	BR2010B
	1-1/2"	BR2015SS	BR2015FS	BR2015B
2-1/2"	2"	---	---	BR2520B
3"	2"	BR3020SS	---	BR3020B
4"	3"	---	---	BR4030B

Adapters

Reducer Couplings

Feature
- Ref SAE 130138

Female NPTF	Brass		Opt Qty	Lead-Free Brass[1, 2] Part #	Opt Qty
	Previous Part #	Part #			
1/4" x 1/8"	RC2F1F	3770402C	50	---	---
3/8" x 1/8"	RC3F1F	3770602C	50	---	---
3/8" x 1/4"	RC3F2F	3770604C	50	---	---
1/2" x 1/4"	RC4F2F	3770804C	25	---	---
1/2" x 3/8"	RC4F3F	3770806C	10	3770806CLF	10
3/4" x 3/8"	RC6F3F	3771206C	10	---	---
3/4" x 1/2"	RC6F4F	3771208C	10	3771208CLF	10
1" x 1/2"	---	3771608C	10	---	---
1" x 3/4"	---	3771612C	10	---	---

[1] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
NOTE: NPTF threads

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

NPT Threaded Couplings

Female NPT	300# Iron Part #	150# Iron Part #	150# Galvanized Iron Part #
1/8"	---	RHC18	RHC18G
1/4"	300RHC25	RHC25	RHC25G
3/8"	300RHC38	RHC38	RHC38G
1/2"	300RHC50	RHC50	RHC50G
3/4"	300RHC75	RHC75	RHC75G
1"	300RHC100	RHC100	RHC100G
1-1/4"	300RHC125	RHC125	RHC125G
1-1/2"	300RHC150	RHC150	RHC150G
2"	300RHC200	RHC200	RHC200G
2-1/2"	---	RHC250	---
3"	---	RHC300	RHC300G
4"	---	RHC400	RHC400G
5"	---	RHC500	---
6"	---	RHC600	---

Female NPT	150# 316 Stain. Steel Part #	3000# Forged Steel Part #	125# Brass Part #
1/4"	RHC25SS	RHC25FS	RHC25B
3/8"	RHC38SS	RHC38FS	RHC38B
1/2"	RHC50SS	RHC50FS	RHC50B
3/4"	RHC75SS	RHC75FS	RHC75B
1"	RHC100SS	RHC100FS	RHC100B
1-1/4"	RHC125SS	RHC125FS	RHC125B
1-1/2"	RHC150SS	RHC150FS	RHC150B
2"	RHC200SS	RHC200FS	RHC200B
3"	RHC300SS	---	---
4"	RHC400SS	---	---

300# iron

150# iron

150# galvanized iron

150# 316 stainless steel

3000# forged steel

125# brass

P

Merchant Couplings

Feature

- Other sizes are also available, consult Dixon® for pricing

Female NPSM	Black Iron Part #
1/4"	MRCH25
3/8"	MRCH38
1/2"	MRCH50
3/4"	MRCH75
1"	MRCH100
1-1/4"	MRCH125
1-1/2"	MRCH150
2"	MRCH200
3"	MRCH300[1]

[1] Has female NPT thread

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

NPT Threaded Unions

300# iron

150# iron

150# galvanized iron

150# 316 stainless steel

3000# forged steel

brass

Features
- Other sizes are also available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability

Female NPT	300# Iron Part #	150# Iron Part #	150# Galvanized Iron Part #
1/8"	---	MIU18	---
1/4"	---	MIU25	---
3/8"	---	MIU38	TUN038G
1/2"	300MIU50	MIU50	TUN050G
3/4"	300MIU75	MIU75	TUN075G
1"	300MIU100	MIU100	TUN100G
1-1/4"	---	MIU125	TUN125G
1-1/2"	300MIU150	MIU150	TUN150G
2"	---	MIU200	TUN200G
2-1/2"	---	MIU250	---
3"	300MIU300	MIU300	---
4"	---	MIU400	---

Female NPT	150# 316 Stainless Steel Part #	3000# Forged Steel Part #	125# Brass Part #
1/4"	TUN025SS	---	TUN2F
3/8"	TUN038SS	---	TUN3F
1/2"	TUN050SS	TUN050FS	TUN4F
3/4"	TUN075SS	TUN075FS	TUN5F
1"	TUN100SS	TUN100FS	TUN6F
1-1/4"	TUN125SS	---	TUN7F
1-1/2"	TUN150SS	TUN150FS	TUN8F
2"	TUN200SS	TUN200FS	TUN9F

Female Hex Couplings

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brass

316 stainless steel

Feature
- Ref SAE 130138

NPTF	Brass		Pkg Qty	Lead-Free Brass[1, 2,] Part #	316 Stainless Steel[3] Part #
	Previous Part #	Part #			
1/8" x 1/8"	BA1F1F	3710202C	25	3710202CLF	3710202SS
1/4" x 1/4"	BA2F2F	3710404C	25	3710404CLF	3710404SS
3/8" x 3/8"	BA3F3F	3710606C	25	3710606CLF	3710606SS
1/2" x 1/2"	BA4F4F	3710808C	25	3710808CLF	3710808SS[4]
3/4" x 3/4"	BA6F6F	3711212C	10	---	3711212SS
1" x 1"	---	3711616C	10	---	3711616SS

[1] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT thread
[4] Package quantity is 10

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

NPT Threaded Reducer Hex Bushings

Male NPT	Female NPT	150# Iron Part #	150# Galvanized Iron Part #	150# 316 Stainless Steel Part #
1/4"	1/8"	HB2518	HB2518G	HB2518SS
3/8"	1/8"	HB3818	---	---
	1/4"	HB3825	HB3825G	HB3825SS
1/2"	1/8"	HB5018	---	---
	1/4"	HB5025	HB5025G	HB5025SS
	3/8"	HB5038	HB5038G	HB5038SS
3/4"	1/8"	HB7518	---	---
	1/4"	HB7525	HB7525G	HB7525SS
	3/8"	HB7538	HB7538G	HB7538SS
	1/2"	HB7550	HB7550G	HB7550SS
1"	1/8"	HB1018	---	---
	1/4"	HB1025	HB1025G	HB1025SS
	3/8"	HB1038	HB1038G	HB1038SS
	1/2"	HB1050	HB1050G	HB1050SS
	3/4"	HB1075	HB1075G	HB1075SS
1-1/4"	1/2"	HB1250	---	---
	3/4"	HB1275	---	HB1275SS
	1"	HB1210	HB1210G	HB1210SS
1-1/2"	1/2"	HB1550	---	---
	3/4"	HB1575	HB1575G	HB1575SS
	1"	HB1510	HB1510G	HB1510SS
	1-1/4"	HB1512	HB1512G	HB1512SS
2"	1/2"	HB2050	HB2050G	---
	3/4"	HB2075	HB2075G	HB2075SS
	1"	HB2010	HB2010G	HB2010SS
	1-1/4"	HB2012	HB2012G	HB2012SS
	1-1/2"	HB2015	HB2015G	HB2015SS
2-1/2"	1-1/2"	HB2515	---	---
	2"	HB2520	HB2520G	HB2520SS
3"	1"	HB3010	---	---
	1-1/2"	HB3015	---	---
	2"	HB3020	HB3020G	HB3020SS
	2-1/2"	HB3025	---	HB3025SS
4"	1"	HB4010	---	---
	1-1/2"	HB4015	---	---
	2"	HB4020	HB4020G	HB4020SS
	2-1/2"	HB4025	---	---
	3"	HB4030	HB4030G	HB4030SS
5"	4"	HB5040	---	---
6"	3"	HB6030	---	---
	4"	HB6040	---	---

150# iron

150# galvanized iron

150# 316 stainless steel

P

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

NPT Threaded Reducer Hex Bushings

3000# forged steel

125# brass

Male NPT	Female NPT	3000# Forged Steel Part #	125# Brass Part #
1/4"	1/8"	HB2518FS	---
3/8"	1/4"	HB3825FS	---
1/2"	1/4"	HB5025FS	---
	3/8"	HB5038FS	---
3/4"	1/4"	HB7525FS	---
	3/8"	HB7538FS	---
	1/2"	HB7550FS	---
1"	1/4"	HB1025FS	---
	3/8"	HB1038FS	---
	1/2"	HB1050FS	---
	3/4"	HB1075FS	---
1-1/4"	3/4"	HB1275FS	---
	1"	HB1210FS	HB1210B
1-1/2"	3/4"	HB1575FS	HB1575B
	1"	HB1510FS	HB1510B
	1-1/4"	HB1512FS	HB1512B
2"	1/2"	---	HB2050B
	3/4"	HB2075FS	HB2075B
	1"	HB2010FS	HB2010B
	1-1/4"	HB2012FS	HB2012B
	1-1/2"	HB2015FS	HB2015B
2-1/2"	1-1/2"	---	HB2515B
	2"	HB2520FS	HB2520B
3"	2"	HB3020FS	HB3020B
	2-1/2"	HB3025FS	HB3025B
4"	2"	---	HB4020B
	3"	HB4030FS	HB4030B

Pump Adapters

P

Application
- Used to convert BSP pump outlets to NPT

Material
- Hard-coated, extruded 6061-T6 aircraft aluminum alloy

Female BSP	Male NPT	Aluminum Part #
1-1/2"	1-1/2"	AHA15BSP15T
2"	2"	AHA20BSP20T
2-1/2"	2-1/2"	AHA25BSP25T
3"	3"	AHA30BSP30T
4"	4"	AHA40BSP40T

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

Reducer Hex Bushings

Feature
- Ref SAE 130140

Male NPTF	Female NPTF	Brass		Opt Qty	Lead-Free Brass[3] Part #	316 Stainless Steel[4] Part #	Opt Qty
		Previous Part #	Part #				
1/4"	1/8"	HB1F2M	3730402C	100	3730402CLF[2]	3730402SS	100
3/8"	1/8"	HB1F3M	3730602C	100	---	3730602SS	25
	1/4"	HB2F3M	3730604C	100	3730604CLF[2]	3730604SS	25
1/2"	1/8"	HB1F4M	3730802C	25	---	3730802SS	25
	1/4"	HB2F4M	3730804C	50	3730804CLF[2]	3730804SS	50
	3/8"	HB3F4M	3730806C	50	3730806CLF[2]	3730806SS	50
3/4"	1/8"	HB1F6M	3731202C[1]	25	---	---	25
	1/4"	HB2F6M	3731204C	25	3731204CLF[5]	3731204SS	25
	3/8"	HB3F6M	3731206C	25	3731206CLF[5]	3731206SS	25
	1/2"	HB4F6M	3731208C	25	3731208CLF[2]	3731208SS	25
1"	1/4"	HB2F8M	3731604C[1]	10	---	3731604SS	10
	3/8"	HB3F8M	3731606C[1]	10	3731606CLF[4, 5]	3731606SS	10
	1/2"	HB4F8M	3731608C	10	3731608CLF[4, 5]	3731608SS	10
	3/4"	HB6F8M	3731612C	10	3731612CLF[4, 5]	3731612SS	10

brass

316 stainless steel

[1] SAE does not provide a standard for these sizes
[2] NSF®/ANSI 61 certified lead-free brass <=0.25% lead, Alloy C2745
[3] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[4] NPT thread
[5] Lead-free per NSF72

Adapters

Female NPTF x Male NPTF

Feature
- Ref SAE 130139

Female NPTF	Male NPTF	Brass		Opt Qty	Lead-Free Brass[1, 2] Part #	316 Stainless Steel[3] Part #	Opt Qty
		Previous Part #	Part #				
1/8"	1/8"	RA1F1M	3750202C	100	---	---	---
1/4"	1/8"	RA2F1M	3750402C	50	3750402CLF	3750402SS	50
	1/4"	RA2F2M	3750404C	50	3750404CLF	3750404SS	50
3/8"	1/8"	RA3F1M	3750602C	50	---	3750602SS	50
	1/4"	RA3F2M	3750604C	50	---	3750604SS	50
	3/8"	RA3F3M	3750606C	50	---	3750606SS	50
1/2"	1/4"	RA4F2M	3750804C	25	---	3750804SS	25
	3/8"	RA4F3M	3750806C	25	---	3750806SS	25
	1/2"	RA4F4M	3750808C	25	3750808CLF	3750808SS	10
3/4"	3/8"	RA6F3M	3751206C	10	---	3751206SS	10
	1/2"	RA6F4M	3751208C	10	---	3751208SS	10
	3/4"	RA6F6M	3751212C	10	3751212CLF	3751212SS	10
1"	1/2"	---	3751608C	5	---	3751608SS	5
	3/4	---	3751612C	5	---	3751612SS	5
	1"	---	---	---	---	3751616SS	5

brass

316 stainless steel

[1] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] Threads are NPT

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

P

Pipe Nipples

Long Pipe Nipples

Feature

- Carbon steel and stainless steel nipples are available on page 940

NPT	Length	Brass		Optional Qty
		Previous Part #	Part #	
1/8"	1-1/2"	166-0215	1660215C	25
	2"	166-0220	1660220C	25
	2-1/2"	166-0225	1660225C	25
	3"	166-0230	1660230C	25
	3-1/2"	166-0235	1660235C	10
	4"	166-0240	1660240C	10
1/4"	1-1/2"	166-0415	1660415C	25
	2"	166-0420	1660420C	25
	2-1/2"	166-0425	1660425C	25
	3"	166-0430	1660430C	25
	3-1/2"	166-0435	1660435C	10
	4"	166-0440	1660440C	10
	5"	166-0450	1660450C	5
3/8"	1-1/2"	166-0615	1660615C	25
	2"	166-0620	1660620C	25
	2-1/2"	166-0625	1660625C	10
	3"	166-0630	1660630C	10
	3-1/2"	166-0635	1660635C	10
	4"	166-0640	1660640C	5
1/2"	1-1/2"	166-0815	1660815C	10
	2"	166-0820	1660820C	10
	2-1/2"	166-0825	1660825C	10
	3"	166-0830	1660830C	10
	3-1/2"	166-0835	1660835C	10
	4"	166-0840	1660840C	5
3/4"	2"	166-1220	1661220C	5
	2-1/2"	166-1225	1661225C	5
	3"	166-1230	1661230C	5
	3-1/2"	166-1235	1661235C	5
1"	2"	---	TN100X2B	---
	3"	---	TN100X3B	---
	4"	---	TN100X4B	---
1-1/2"	2"	---	TN150X2B	---
	3"	---	TN150X3B	---
2"	3"	---	TN200X3B	---
	4"	---	TN200X4B	---
	6"	---	TN200X6B	---

Female NPTF x Male NPSM Adapters

Female NPTF	Male NPSM	Brass		Optional Qty
		Previous Part #	Part #	
1/4"	1/4"	174-0404	1740404C	100
3/8"	3/8"	174-0606	1740606C	50
1/2"	1/2"	174-0808	1740808C	50

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

Pipe Nipples – Threaded Both Ends

Features
- Brass nipples are available; see page 941
- Other lengths are also available, consult Dixon® for pricing
- Made from schedule 40 welded pipe

NOTE: Do not use pipe nipples as hose inserts.

Specification
- Male NPT x male NPT design

Male NPT	Overall Length	Carbon Steel Part #	316 Stainless Steel Part #
1/4"	2"	TN025X2	---
	6"	---	TN025X6SS
3/8"	2"	TN038X2	---
	4"	TN038X4	---
	6"	TN038X6	---
1/2"	2"	TN050X2	TN050X2SS
	3"	TN050X3	TN050X3SS
	4"	TN050X4	TN050X4SS
	6"	TN050X6	TN050X6SS
3/4"	2"	TN075X2	TN075X2SS
	3"	TN075X3	TN075X3SS
	4"	TN075X4	TN075X4SS
	6"	TN075X6	TN075X6SS
1"	2"	TN100X2	TN100X2SS
	3"	TN100X3	TN100X3SS
	4"	TN100X4	TN100X4SS
	6"	TN100X6	TN100X6SS
1-1/4"	2"	TN125X2	TN125X2SS
	3"	TN125X3	TN125X3SS
	4"	TN125X4	TN125X4SS
	6"	TN125X6	TN125X6SS
1-1/2"	2"	TN150X2	TN150X2SS
	3"	TN150X3	TN150X3SS
	4"	TN150X4	TN150X4SS
	6"	TN150X6	TN150X6SS
2"	3"	TN200X3	TN200X3SS
	4"	TN200X4	TN200X4SS
	5"	TN200X5	TN200X5SS
	6"	TN200X6	TN200X6SS
	8"	TN200X8	---
3"	3"	TN300X3	TN300X3SS
	4"	TN300X4	TN300X4SS
	6"	TN300X6	TN300X6SS
4"	4"	TN400X4	TN400X4SS
	6"	TN400X6	TN400X6SS
	8"	TN400X8	---
6"	6"	TN600X6	---
	8"	TN600X8	---

carbon steel

316 stainless steel

Close Pipe Nipples

NPT	Brass		Optional Qty	Lead-Free Brass[1, 2] Part #
	Previous Part #	Part #		
1/8"	165-0202	1650202C	50	---
1/4"	165-0404	1650404C	50	1650404CLF
3/8"	165-0606	1650606C	100	1650606CLF
1/2"	165-0808	1650808C	25	1650808CLF
3/4"	165-1212	1651212C	25	1651212CLF
1"	165-1616	1651616C	25	---
1-1/2"	---	CN150B	5	---
2"	---	CN200B	5	---
3"	---	CN300B	5	---

[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant

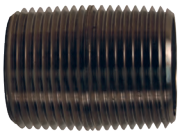
NOTE: For additional information on pipe dimensions please reference dixonvalve.com.

P

Close Nipples

Feature
- Made from schedule 40 welded pipe

Specification
- Male NPT x male NPT design



316 stainless steel

Male NPT	Overall Length	Carbon Steel Part #	Galvanized Part #	316 Stainless Steel Part #	Optional Qty
1/8"	3/4"	---	---	CN012SS	1
1/4"	7/8"	CN025	CN025G	CN025SS	25
3/8"	1"	CN037	---	CN037SS	25
1/2"	1-1/8"	CN050	CN050G	CN050SS	10
3/4"	1-3/8"	CN075	CN075G	CN075SS	10
1"	1-1/2"	CN100	CN100G	CN100SS	10
1-1/4"	1-5/8"	CN125	---	---	10
1-1/2"	1-1/2"	CN150	CN150G	CN150SS	10
2"	2"	CN200	CN200G	CN200SS	10
2-1/2"	2-1/2"	CN250	---	---	---
3"	2-5/8"	CN300	CN300G	CN300SS	1
4"	2-5/8"	CN400	---	CN400SS	5
6"	3-1/8"	CN600	---	---	---

Hex Nipples

Feature
- Ref SAE 130137

NPTF	Brass		Optional Qty	Lead-Free Brass[1, 2] Part #
	Previous Part #	Part #		
1/8" x 1/8"	BCN12	3700202C	100	3700202CLF
1/4" x 1/4"	BCN25	3700404C	100	3700404CLF
3/8" x 3/8"	BCN37	3700606C	50	3700606CLF
1/2" x 1/2"	BCN50	3700808C	25	3700808CLF
3/4" x 3/4"	BCN75	3701212C	20	---
1" x 1"	BCN100	3701616C	10	---

[1] NSF®/ANSI 61 certified Lead-Free Brass <=0.25% lead, Alloy C2745
[2] Conforms To: Safe Water Drinking Act (SWDA) of Jan. 4, 2014; California AB1953; RoHS Compliant
NOTE: NPTF thread.

P

Straight Hex Nipples

Male NPT	316 Stainless Steel Part #
1/8"	3700202SS
1/4"	HN25SS
3/8"	HN38SS
1/2"	HN50SS
3/4"	HN75SS
1"	HN100SS
1-1/2"	HN150SS
2"	HN200SS

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

Reducer Hex Nipples

Feature
- Ref SAE 130137

Male NPTF	Brass		Opt Qty	316 Stainless Steel Part #	Opt Qty
	Previous Part #	Part #			
1/4" x 1/8"	HN2M1M	3790402C	100	3790402SS	100
3/8" x 1/8"	HN3M1M	3790602C	50	---	---
3/8" x 1/4"	HN3M2M	3790604C	50	RHN3825SS	---
1/2" x 1/4"	HN4M2M	3790804C	50	3790804SS	50
1/2" x 3/8"	HN4M3M	3790806C	50	RHN5038SS	---
3/4" x 3/8"	---	---	---	3791206SS	25
3/4" x 1/2"	HN6M4M	3791208C	25	RHN7550SS	---
1" x 1/2"	---	---	---	3791608SS	5
1" x 3/4"	---	3791612C	10	3791612SS	5

brass

316 stainless steel

NOTE: Do not use pipe nipples as hose inserts.

Adapters

Ball Seat to Male Pipe

NPSM	NPTF	Brass		Optional Qty
		Previous Part #	Part #	
1/8"	1/8"	BSM11	1720202C	100
1/4"	1/8"	BSM21	1720402C	100
	1/4"	BSM22	1720404C	100
3/8"	1/4"	BSM32	1720604C	100
	3/8"	BSM33	1720606C	50
	1/2"	BSM34	1720608C	50
1/2"	3/8"	BSM43	1720806C	50
	1/2"	BSM44	1720808C	25
3/4"	3/4"	BSM66	1721212C	25

Male Unions

NPSM	NPSM	Brass		Pkg Qty
		Previous Part #	Part #	
1/8"	1/8"	176-0202	1760202C	100
1/4"	1/4"	176-0404	1760404C	100
3/8"	3/8"	176-0606	1760606C	100
1/2"	1/2"	176-0808	1760808C	50

P

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

300# iron

150# iron

150# galvanized iron

150# 316 stainless steel

2000# forged steel

125# brass

brass

lead-free brass

316 stainless steel

NPT Threaded 90° Elbows

Features
- Other sizes are also available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability

Female NPT	300# Iron Part #	150# Iron Part #	150# Galvanized Iron Part #
1/8"	---	EL9018	EL9018G
1/4"	300EL9025	EL9025	EL9025G
3/8"	300EL9038	EL9038	EL9038G
1/2"	300EL9050	EL9050	EL9050G
3/4"	300EL9075	EL9075	EL9075G
1"	300EL90100	EL90100	EL90100G
1-1/4"	300EL90125	EL90125	EL90125G
1-1/2"	300EL90150	EL90150	EL90150G
2"	300EL90200	EL90200	EL90200G
2-1/2"	---	EL90250	---
3"	---	EL90300	EL90300G
4"	---	EL90400	EL90400G
5"	---	EL90500	---
6"	---	EL90600	---

Female NPT	150# 316 Stain. Steel Part #	2000# Forged Steel Part #	125# Brass Part #
1/8"	EL9018SS	---	---
1/4"	EL90025SS	EL9025FS	---
3/8"	EL90038SS	EL9038FS	---
1/2"	EL90050SS	EL9050FS	---
3/4"	EL90075SS	EL9075FS	---
1"	EL90100SS	EL90100FS	EL90100B
1-1/4"	EL90125SS	EL90125FS	---
1-1/2"	EL90150SS	EL90150FS	EL90150B
2"	EL90200SS	EL90200FS	EL90200B
3"	EL90300SS	---	---
4"	EL90400SS	---	---

90° Female Pipe Elbows

Feature
- Ref SAE 130238

Female NPTF	Extruded Brass		Opt Qty	Lead-Free Brass[1, 2, 3, 4] Part #	316 Stainless Steel[3] Part #	Opt Qty
	Previous Part #	Part #				
1/8"	EL1F1F	3020202C	25	---	3020202SS	25
1/4"	EL2F2F	3020404C	25	---	3020404SS	25
3/8"	EL3F3F	3020606C	25	3020606CLF	3020606SS	25
1/2"	EL4F4F	3020808C[4]	25	3020808CLF	3020808SS	10
3/4"	EL6F6F	3021212C[4]	10	---	3021212SS	10
1"	---	---	---	---	3021616SS	5

[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Drinking Water Act (SDWA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT thread
[4] Product shape may vary

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

NPT Threaded Reducing Elbows

Feature
- Other sizes are also available, consult Dixon® for pricing and availability

Female NPT	Female NPT	150# Iron Part #
1/4"	1/8"	REL2518
1/2"	1/4"	REL5025
1/2"	3/8"	REL5038
3/4"	1/2"	REL7550
1"	1/2"	REL1050
1"	3/4"	REL1075
1-1/4"	1"	REL1210
1-1/2"	1"	REL1510
1-1/2"	1-1/4"	REL1525
2"	1"	REL2010
2"	1-1/2"	REL2015
2-1/2"	2"	REL2520
3"	2"	REL3020
4"	2"	REL4020
4"	3"	REL4030

90° Street Elbows

Feature
- Ref SAE 130239

Female NPTF	Male NPTF	Extruded Brass		Opt Qty	Forged Lead-Free Brass [1, 2, 3] Part #	316 Stainless Steel[3] Part #	Opt Qty
		Previous Part #	Part #				
1/8"	1/8"	SE1F1M	3040202C[4]	25	3040202CLF[4]	3040202SS	25
1/4"	1/8"	SE2F1M	3040402C	25	---	---	---
	1/4"	SE2F2M	3040404C[4]	25	3040404CLF	3040404SS	25
3/8"	1/4"	SE3F2M	3040604C	25	---	---	---
	3/8"	SE3F3M	3040606C[4]	25	3040606CLF	3040606SS	25
1/2"	3/8"	SE4F3M	3040806C	25	---	---	---
	1/2"	SE4F4M	3040808C[4]	25	3040808CLF	3040808SS	10
3/4"	1/2"	SE6F4M	3041208C	25	---	---	---
	3/4"	SE6F6M	3041212C[4]	10	---	3041212SS	10
1"	1"	---	---	---	---	3041616SS	5

extruded brass

lead-free brass

316 stainless steel

[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Drinking Water Act (SDWA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT thread
[4] Product shape may vary

90° Male Pipe Elbows

Male NPTF	Forged Brass		Opt Qty	316 Stainless Steel[1] Part #	Opt Qty
	Previous Part #	Part #			
1/8"	169-0202	1690202C	25	1690202SS	25
1/4"	169-0404	1690404C	25	1690404SS	25
3/8"	169-0606	1690606C	25	1690606SS	25
1/2"	169-0808	1690808C	25	1690808SS	25
3/4"	---	---	---	1691212SS	10
1"	---	---	---	1691616SS	5

forged brass

316 stainless steel

[1] NPT thread

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

P

NPT Threaded 90° Street Elbows

150# iron

150# galvanized iron

150# 316 stainless steel

3000# forged steel

125# brass

Features
- Other sizes are also available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability

Male NPT	Female NPT	150# Iron Part #	150# Galvanized Iron Part #	150# 316 Stain. Steel Part #
1/8"	1/8"	SE9018	SE9018G	SE9018SS
1/4"	1/4"	SE9025	SE9025G	SE9025SS
3/8"	3/8"	SE9038	SE9038G	SE9038SS
1/2"	1/2"	SE9050	SE9050G	SE9050SS
3/4"	3/4"	SE9075	SE9075G	SE9075SS
1"	1"	SE9010	SE9010G	SE9010SS
1-1/4"	1-1/4"	SE9012	SE9012G	SE9012SS
1-1/2"	1-1/2"	SE9015	SE9015G	SE9015SS
2"	2"	SE9020	SE9020G	SE9020SS
2-1/2"	2-1/2"	SE90250	---	---
3"	3"	SE90300	SE9030G	---
4"	4"	SE90400	---	---
6"	6"	SE90600	---	---

Male NPT	Female NPT	3000# Forged Steel Part #	125# Brass Part #
1/8"	1/8"	---	---
1/4"	1/4"	SE9025FS	---
3/8"	3/8"	SE9038FS	---
1/2"	1/2"	SE9050FS	---
3/4"	3/4"	SE9075FS	SE9075B
1"	1"	SE9010FS	SE9010B
1-1/4"	1-1/4"	SE9012FS	SE9012B
1-1/2"	1-1/2"	SE9015FS	SE9015B
2"	2"	SE9020FS	SE9020B

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

P

NPT Threaded 45° Elbows

Female NPT	150# Iron Part #
1/8"	EL4518
1/4"	EL4525
3/8"	EL4538
1/2"	EL4550
3/4"	EL4575
1"	EL45100
1-1/4"	EL45125
1-1/2"	EL45150
2"	EL45200
2-1/2"	EL45250
3"	EL45300
4"	EL45400
5"	EL45500
6"	EL45600

Size	150# Iron Part #	150# Galvanized Iron Part #
1/8"	SE4518	---
1/4"	SE4525	SE4525G
3/8"	SE4538	---
1/2"	SE4550	SE4550G
3/4"	SE4575	SE4575G
1"	SE45100	---
1-1/4"	SE45125	SE45125G
1-1/2"	SE45150	SE45150G
2"	SE45200	SE45200G
2-1/2"	SE45250	SE45250G
3"	SE45300	SE45300G
4"	SE45400	SE45400G

150# galvanized iron

Feature

- Ref SAE 130339

Female NPTF	Male NPTF	Extruded Brass		Opt Qty	316 Stainless Steel[1] Part #	Opt Qty
		Previous Part #	Part #			
1/8"	1/8"	306-0202	3060202C	25	3060202SS	25
1/4"	1/4"	306-0404	3060404C	25	3060404SS	25
3/8"	3/8"	306-0606	3060606C	25	3060606SS	25
1/2"	1/2"	306-0808	3060808C	25	3060808SS	10
3/4"	3/4"	306-1212	3061212C	10	3061212SS	10
1"	1"	---	---	---	3061616SS	5

[1] NPT thread

extruded brass

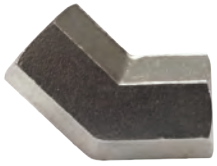
316 stainless steel

NPTF 45° Female Pipe Elbows

Female NPTF	Brass Part #	Opt Qty
1/8"	3080202C	25
1/4"	3080404C	25
3/8"	3080606C	25
1/2"	3080808C	25

NPT 45° Female Pipe Elbows

Female NPT	316 Stainless Steel Part #	Opt Qty
1/8"	3080202SS	25
1/4"	3080404SS	25
3/8"	3080606SS	25
1/2"	3080808SS	10
3/4"	3081212SS	10



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

NPT Threaded Female Tees

300# iron

150# iron

150# galvanized iron

150# 316 stainless steel

2000# forged steel

125# brass

Female NPT	300# Iron Part #	150# Iron Part #	150# Galvanized Iron Part #
1/8"	---	FT18	---
1/4"	300FT25	FT25	FT25G
3/8"	300FT38	FT38	FT38G
1/2"	300FT50	FT50	FT50G
3/4"	---	FT75	FT75G
1"	300FT10	FT10	FT100G
1-1/4"	300FT120	FT120	FT120G
1-1/2"	---	FT15	FT150G
2"	300FT200	FT200	FT200G
2-1/2"	---	FT250	---
3"	---	FT30	FT300G
4"	---	FT40	FT400G
5"	---	FT500	---
6"	---	FT60	---

Female NPT	150# 316 Stainless Steel Part #	2000# Forged Steel Part #	125# Brass Part #
1/4"	FT25SS	FT25FS	---
3/8"	FT38SS	---	---
1/2"	FT50SS	FT50FS	---
3/4"	FT75SS	FT75FS	FT75B
1"	FT10SS	FT100FS	FT10B
1-1/4"	FT120SS	FT120FS	---
1-1/2"	FT150SS	FT150FS	FT15B
2"	FT200SS	FT200FS	FT20B

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

Female Tees

Feature
- Ref SAE 130438

NPTF Thread	Extruded Brass		Opt Qty	Forged Lead-Free Brass[1, 2, 3] Part #	316 Stainless Steel[3] Part #	Opt Qty
	Previous Part #	Part #				
1/8"	322-0202	3220202C[4]	25	---	3220202SS	25
1/4"	322-0404	3220404C[4]	25	3220404CLF	3220404SS	25
3/8"	322-0606	3220606C	25	3220606CLF	3220606SS	25
1/2"	322-0808	3220808C[4]	25	---	3220808SS	10
3/4"	322-1212	3221212C	10	---	3221212SS	10
1"	---	---	---	---	3221616SS	5

[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Drinking Water Act (SDWA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT thread
[4] Product shape may vary

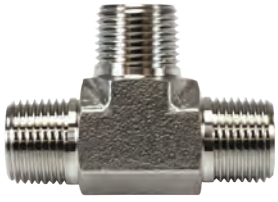
extruded brass

lead-free brass

316 stainless steel

Male NPT Tees

NPT Thread	316 Stainless Steel Part #	Opt Qty
1/8"	3280202SS	25
1/4"	3280404SS	25
3/8"	3280606SS	25
1/2"	3280808SS	10
3/4"	3281212SS	10
1"	3281616SS	5



P

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

NPT Threaded Side Outlet Elbows

Female NPT	150# Iron Part #
1/2"	SOE50
3/4"	SOE75
1"	SOE100
1-1/4"	SOE120
1-1/2"	SOE150
2"	SOE200

NPT Threaded Female Reducing Tees

Female NPT	Female NPT	150# Iron Part #
3/8"	1/4"	FRT3825
1/2"	3/8"	FRT5038
3/4"	1/2"	FRT7550
1"	1/2"	FRT1050
1-1/4"	1"	FRT1210
1-1/2"	1"	FRT1510
2"	1"	FRT2010
2"	1-1/2"	FRT2015
3"	2"	FRT3020

NPT Threaded Street Service Tees

NPT	150# Iron Part #
1/2"	SST50
3/4"	SST75
1"	SST100
1-1/2"	SST150

NPT Threaded Bull Head Tees

Female NPT	Female NPT	150# Iron Part #
1/2"	3/4"	BHT1575
1/2"	1"	BHT1510
3/4"	1"	BHT7510
1"	1-1/2"	BHT1015
1"	2"	BHT1020
1-1/2"	2"	BHT1520
2"	2-1/2"	BHT2025

NPT Threaded Side Outlet Tees

Female NPT	150# Iron Part #
1/2"	SOT50
3/4"	SOT75
1"	SOT100
1-1/4"	SOT120
1-1/2"	SOT150
2"	SOT200

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

Street Tees

Feature
- Ref SAE 130424

Female NPTF	Male NPTF	Extruded Brass		Opt Qty	316 Stainless Steel[2] Part #	Opt Qty
		Previous Part #	Part #			
1/8"	1/8"	326-0202	3260202C	25	3260202SS	25
1/4"	1/4"	326-0404	3260404C[1]	25	3260404SS	25
3/8"	3/8"	326-0606	3260606C	25	3260606SS	25
1/2"	1/2"	326-0808	3260808C	25	3260808SS	10
3/4"	3/4"	326-1212	3261212C	10	3261212SS	10
1"	1"	---	---	---	3261616SS	5

[1] Product shape may vary
[2] NPT threads

brass

316 stainless steel

Male Branch Tees

Feature
- Ref SAE 130425

NPTF	Extruded Brass		Opt Qty	316 Stainless Steel[2] Part #	Opt Qty
	Previous Part #	Part #			
1/8"	324-0202	3240202C	25	3240202SS	25
1/4"	324-0404	3240404C[1]	25	3240404SS	25
3/8"	324-0606	3240606C	25	3240606SS	25
1/2"	324-0808	3240808C	25	3240808SS	10
3/4"	324-1212	3241212C	10	3241212SS	10
1"	---	---	---	3241616SS	5

[1] Product shape may vary
[2] NPT threads

brass

316 stainless steel

NPT Threaded Crosses

Female NPT	150# Iron Part #
1/8"	MIC18
1/4"	MIC25
3/8"	MIC38
1/2"	MIC50
3/4"	MIC75
1"	MIC100
1-1/4"	MIC125
1-1/2"	MIC150
2"	MIC200
2-1/2"	MIC250
3"	MIC300
4"	MIC400

Pipe Crosses

Female NPTF	Extruded Brass		Opt Qty	316 Stainless Steel[1] Part #	Opt Qty
	Previous Part #	Part #			
1/8"	228-0202	2280202C	25	2280202SS	25
1/4"	228-0404	2280404C	25	2280404SS	25
3/8"	228-0606	2280606C	25	2280606SS	10
1/2"	228-0808	2280808C	10	2280808SS	10
3/4"	228-1212	2281212C	10	2281212SS	5
1"	---	---	---	2281616SS	5

[1] NPT threads

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

brass

316 stainless steel

P

NPT Threaded Caps

300# iron

150# iron

150# galvanized iron

150# 316 stainless steel

Features
- Other sizes are also available
- 304 stainless steel fittings are also available, consult Dixon® for pricing and availability

Female NPT	300# Iron Part #	150# Iron Part #
1/8"	---	MICAP18
1/4"	---	MICAP25
3/8"	---	MICAP38
1/2"	300MICAP50	MICAP50
3/4"	300MICAP75	MICAP75
1"	300MICAP100	MICAP100
1-1/4"	300MICAP125	MICAP120
1-1/2"	300MICAP150	MICAP150
2"	300MICAP200	MICAP200
2-1/2"	---	MICAP250
3"	---	MICAP300
4"	---	MICAP400
5"	---	MICAP500
6"	---	MICAP600

Female NPT	150# Galvanized Iron Part #	150# 316 Stainless Steel Part #
1/8"	---	SSCAP18
1/4"	---	SSCAP25
3/8"	---	SSCAP38
1/2"	MICAP50G	SSCAP50
3/4"	MICAP75G	SSCAP75
1"	---	SSCAP10
1-1/4"	---	SSCAP12
1-1/2"	---	SSCAP15
2"	MICAP200G	SSCAP20

NPTF Pipe Caps

Feature
- Lead-free per NSF/ANSI 372

Female NPTF	Optional Qty	Lead-Free Brass[1, 2] Part #
1/8"	50	2130200CLF
1/4"	100	2130400CLF
3/8"	25	2130600CLF
1/2"	25	2130800CLF
3/4"	25	2131200CLF
1"	10	2131600CLF

[1] Lead-free Brass <=.25% lead, Alloy C27450
[2] Conforms To: Safe Drinking Water Act (SDWA) of Jan. 4, 2014; California AB1953; RoHS Compliant

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

NPT Threaded Square Head Plugs

Feature
- Forged steel and brass plugs are solid; all others are cored

Male NPT	150# Iron Part #	150# Galvanized Iron Part #	150# 316 Stain. Steel Part #
1/8"	SHP18	SHP18G	SHP18SS
1/4"	SHP14	SHP14G	SHP14SS
3/8"	SHP38	SHP38G	SHP38SS
1/2"	SHP50	SHP50G	SHP50SS
3/4"	SHP75	SHP75G	SHP75SS
1"	SHP100	SHP100G	SHP100SS
1-1/4"	SHP125	SHP125G	SHP125SS
1-1/2"	SHP150	SHP150G	SHP150SS
2"	SHP200	SHP200G	SHP200SS
2-1/2"	SHP250	SHP250G	SHP250SS
3"	SHP300	SHP300G	SHP300SS
4"	SHP400	SHP400G	SHP400SS
5"	SHP500	---	---
6"	SHP600	SHP600G	---

Male NPT	3000# Forged Steel Part #	125# Brass Part #	Lead-Free Brass Part #
1/8"	---	---	2110200C[1, 2]
1/4"	SHP14FS	---	2110400C[1, 2]
3/8"	SHP38FS	---	2110600C[1, 2]
1/2"	SHP50FS	---	2110800C[1, 2]
3/4"	SHP75FS	---	2111200C[1, 2]
1"	SHP100FS	SHP100B	2111600C[1, 2]
1-1/2"	SHP150FS	SHP150B	---
2"	SHP200FS	---	---
3"	SHP300FS	---	---

[1] Lead-free brass per NSF/ANSI 372, Brass Alloy 260/270
[2] Threads are PTF-SAE

150# iron

150# galvanized iron

150# 316 stainless steel

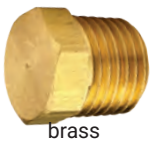
3000# forged steel

125# brass

Hex Head Plugs

NPTF	Brass		Pkg Qty	Lead-Free Brass[1, 2] Part #	316 Stainless Steel[3] Part #	Pkg Qty
	Previous Part #	Part #				
1/8"	HHP1M	1630200C	50	1630200CLF	1630200SS	50
1/4"	HHP2M	1630400C	100	1630400CLF	1630400SS	100
3/8"	HHP3M	1630600C	25	---	1630600SS	25
1/2"	HHP4M	1630800C	25	---	1630800SS	25
3/4"	HHP6M	1631200C	25	---	1631200SS	25
1"	HHP8M	1631600C	10	---	1631600SS	10

NOTE: Standard brass hex head plug is hollow; lead-free brass and 316 stainless are solid
[1] Lead-free brass <=0.25% lead; Alloy CA2745; Alloy C46400
[2] Conforms To: Safe Drinking Water Act (SDWA) of Jan. 4, 2014; California AB1953; RoHS Compliant
[3] NPT thread


brass

316 stainless steel

Hex Socket Plugs

Approval
- Lead-free brass per NSF/ ANSI 372

NPTF	Lead-Free Brass 260/270		Opt Qty	316 Stainless Steel[1] Part #
	Previous Part #	Part #		
1/8"	219-0200	2190200C	50	2190200SS
1/4"	219-0400	2190400C	100	2190400SS
3/8"	219-0600	2190600C	25	2190600SS
1/2"	219-0800	2190800C	25	2190800SS
3/4"	219-1200	2191200C	25	2191200SS
1"	---	2191600C	10	2191600SS

[1] NPT thread

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

brass

316 stainless steel

P

Polypropylene Schedule 80 – Pipe Couplings

Female NPT	Polypropylene Part #
3/4"	62238
1"	62239
1-1/2"	62241
2"	62194

Tuff-Lite® – Female NPT x Female NPT Adapters

Feature

- Sold in package quantity only

Female NPT	Female NPT	Nylon Part #	Pkg Qty
1/2"	1/2"	TA994	25
3/4"	3/4"	TA996	25

Polypropylene Schedule 80 – Reducer Bushings

Male NPT	Female NPT	Polypropylene Part #
1/2"	1/4"	62267
3/4"	1/2"	62272
1"	1/2"	62275
	3/4"	62276
1-1/4"	3/4"	62277
	1"	62278
1-1/2"	3/4"	62279
	1"	62280
	1-1/4"	62281
2"	3/4"	62195
	1"	62196
	1-1/4"	62197
	1-1/2"	62198
3"	2"	60330

Tuff-Lite – Male NPT x Female Threaded Swivel Nut Adapters

Feature

- Female shipped with a red vinyl washer (TVW7), replacement washers on page 423

Male NPT	Female Thread	Nylon Part #
1/4"	3/4" GHT	TSA72
3/8"		TSA73
1/4"	3/4" NPS	TSA62
3/8"		TSA63

Tuff-Lite – Reducing Bushings

Male NPT	Female NPT	Nylon Part #
3/8"	1/4"	THB32
1/2"	1/4"	THB42
1/2"	3/8"	THB43
3/4"	1/2"	THB64
1"	3/4"	THB86

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

Tuff-Lite® – Close Nipples

Feature
- Sold in package quantity only

Male NPT	Nylon Part #	Pkg Qty
1/4"	TCN202	50
3/8"	TCN303	50
1/2"	TCN404	50
3/4"	TCN606	50

Polypropylene Schedule 80 – Hex Nipples

Male NPT	Polypropylene Part #
1/2"	62221
3/4"	60554
1"	60555
1-1/4"	60556
1-1/2"	60547
2"	60548
3"	61769

Polypropylene Schedule 80 – Reducer Nipples

Male NPT	Male NPT	Polypropylene Part #
3/4"	1/2"	62233
1"	3/4"	62234
1-1/4"	1"	62235
1-1/2"	1-1/4"	62236
2"	1-1/2"	60549

Polypropylene Schedule 80 – Nipples

Male NPT	Length	Polypropylene Part #
3/4"	4"	62223
	6"	62224
1"	4"	62225
	6"	62226
2"	4"	62192
	6"	62193

P

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

Polypropylene Schedule 80 – 90° Elbows

Female NPT	Polypropylene Part #
1/2"	62215
3/4"	62216
1"	62217
1-1/2"	62219
2"	62191
3"	62220

Tuff-Lite® – Street Female NPT x 90° Male NPT Elbows

Female NPT	Male NPT	Nylon Part #
1/4"	1/4"	TSE22
1/2"	1/2"	TSE44
3/4"	3/4"	TSE66

Polypropylene Schedule 80 – 90° Street Elbows

NPT Thread	Polypropylene Part #
1/2"	62243
3/4"	62244
1"	62245
1-1/4"	62246
1-1/2"	62247
2"	62199
3"	62248

Polypropylene Schedule 80 – Tees

Female NPT	Polypropylene Part #
1/2"	62209
3/4"	62210
1"	62211
1-1/4"	62212
1-1/2"	62213
2"	62190
3"	62214

Polypropylene Schedule 80 – Cross

Female NPT	Polypropylene Part #
1"	62263

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

Tuff-Lite® – Female Threaded Swivel Nuts

Female Thread	Nylon Part #
3/4" NPSM	TCF6
3/4" GHT	TCF7

Tuff-Lite – Threaded Caps

Feature
- Sold in package quantity only

Female Thread	Nylon Part #	Pkg Qty
1/4" NPT	TTC2	50
3/8" NPT	TTC3	50
1/2" NPT	TTC4	50
3/4" NPT	TTC6	50
3/4" GHT	TTC7	50

Tuff-Lite – Hex Head Drain Plugs

Feature
- Sold in package quantity only

Male NPT	Nylon Part #	Pkg Qty
1/8"	TPX1	50
1/4"	TPX2	50
3/8"	TPX3	50
1/2"	TPX4	50
3/4"	TPX6	50
1"	TPX8	50
1-1/4"	TPX10	25

Tuff-Lite – Square Head Drain Plugs

Feature
- Sold in package quantity only

Male NPT	Nylon Part #	Pkg Qty
1/8"	TPS1	50
1/4"	TPS2	50
3/8"	TPS3	50
1/2"	TPS4	50
3/4"	TPS6	50
1"	TPS8	50
1-1/4"	TPS10	25

Polypropylene Schedule 80 – Pipe Caps

Female NPT	Polypropylene Part #
3/4"	62250
1"	62251

Polypropylene Schedule 80 – Pipe Plugs

Male NPT	Polypropylene Part #
3/4"	62256
1"	62257
1-1/4"	62258
1-1/2"	62259
2"	62201

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

Bulkhead Fittings

63931

63481

63683

Applications
- For use on most poly storage tanks and many steel and fiberglass tanks

Features
- Glass reinforced polypropylene provides strength and chemical resistance
- EPDM gaskets are standard
- FKM gaskets are available; contact Dixon® to order

Female NPT Fittings

Female NPT	Hole Size	Polypropylene Part #
1/2"	1-7/16"	62834
3/4"	1-7/16"	60401
1"	2-1/4"	60427
1-1/4"	2-1/4"	60403
1-1/2"	3"	60124
1-1/2"	2-3/8"	63931[1]
2"	3"	60405
2"	3"	63481[2]
2" HD[3]	3-1/4"	63683
3"	4-1/2"	62299[1]

[1] 1-1/2" and 3" do not contain a washer
[2] Designed for tank wall thickness less than 3/8" – low profile
[3] Heavy duty version

Gaskets

Size	EPDM Part #
1/2" - 3/4"	60402
1" - 1-1/4"	60404
1-1/2"	63938
2"	60406
2"[1]	60336
3"	60331

[1] Heavy duty

Bulkhead Couplings

P

brass

316 stainless steel

Application
- Used to connect a tube or housing through a wall or other barrier

Female NPTF	External Male UNS	Brass Part #	Brass Length	316 Stainless Steel[1] Part #	Stainless Steel Length
1/8"	5/8"	207BH2	1.50"	207BH2SS	1.50"
1/4"	3/4"	207BH4	1.50"	207BH4SS	1.02"
1/4"	3/4"	207BH4S	.94"	---	---
3/8"	1"	207BH6	1.31"	207BH6SS	1.31"
1/2" x 3/8"	1-1/8"	207BH8-6	1.50"	---	---
1/2"	1-1/8"	207BH8	1.50"	207BH8SS	1.50"
3/4"	1-5/16"	207BH12	1.50"	207BH12SS	1.50"
1"-11-1/2	1-5/8"-14	---	1.68"	207BH16SS	1.68"

[1] NPT threads
NOTE: Brass part contains 12L14 steel washer nut; 316 stainless steel part contains FKM seal gasket.

Bolted Fittings

Polypropylene Female NPT fittings

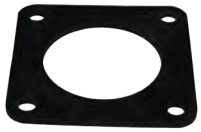
Features
- Bolts thread into back plate of fitting leaving no welds, or holes as potential points of leakage
- (2) required, EPDM gaskets are standard (sold separately)
- FKM gaskets are available; contact Dixon®

Material
- 316 stainless steel bolts

Size	Polypropylene Part #
3/4"	60502
1"	60505
1-1/2"	60513
2"	60516

Gaskets

Size	EPDM Part #
3/4" - 1"	60498
1-1/2" - 2"	60497



Stainless Steel Female NPT fittings

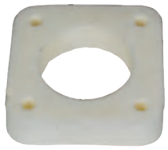
Features
- Bolts thread into back plate of fitting leaving no welds, or holes as potential points of leakage
- Standard EPDM gasket included
- FKM gaskets are available; contact Dixon

Material
- 316 stainless steel bolts

Size	Stainless Steel Part #
3/4"	64251
1"	64252
1-1/2"	64253
2"	64202

Gaskets

Size	EPDM Part #	Cross-Linked Polyethylene Part #
3/4" - 1"	63205	62950
1-1/2"	63426	63042
2"	64196	64198



P

Threaded Concentric Nipples

Features
- Schedule 40 nipples have blue caps
- Schedule 80 nipples have green caps

Approvals
- Manufactured in conformance with ASTM A234 and MSS SP-95
- Threads on nipples conform to ASME B1.20.1

Male NPT	Length	Zinc-Plated Schedule 40 Part #
2" x 1"	6.5"	SW40-200100
2" x 1-1/4"		SW40-200125
2" x 1-1/2"		SW40-200150
2-1/2" x 1"	7"	SW40-250100
2-1/2" x 1-1/2"		SW40-250150
2-1/2" x 2"		SW40-250200
3" x 2"	8"	SW40-300200
3" x 2-1/2"		SW40-300250
4" x 2"	9"	SW40-400200
4" x 2-1/2"		SW40-400250
4" x 3"		SW40-400300
6" x 3"	12"	SW40-600300
6" x 4"		SW40-600400
8" x 4"	13"	SW40-800400
8" x 6"		SW40-800600

Male NPT	Length	Zinc-Plated Schedule 80 Part #
1/2" x 1/4"	2.8"	SW80-050025
1/2" x 3/8"		SW80-050038
3/4" x 1/2"	3.0"	SW80-075050
1" x 1/4"	3.5"	SW80-100025
1" x 1/2"		SW80-100050
1" x 3/4"		SW80-100075
2" x 1/2"	6.5"	SW80-200050
2" x 3/4"		SW80-200075
2" x 1"		SW80-200100
2" x 1-1/4"		SW80-200125
2" x 1-1/2"		SW80-200150
2-1/2" x 2"	7.0"	SW80-250200
3" x 1"	8.0"	SW80-300100
3" x 2"		SW80-300200
3" x 2-1/2"		SW80-300250
4" x 2"	9.0"	SW80-400200
4" x 3"		SW80-400300
4" x 4"		SW80-400400
6" x 3"	12.0"	SW80-600300
6" x 4"		SW80-600400
8" x 6"	13.0"	SW80-800600

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

Hammer Unions

Features
- Socket weld configurations and other materials are available; contact Dixon® for further information
- Hammer unions work at extremely high pressures, mismatching components of one series with another (i.e. series 602 with series 1502) can lead to destruction of property, serious bodily injury, or death

Specifications
- Non-shock cold water pressure (NSCWP) means that the rated value is the maximum operating pressure at ambient temperature
- No spikes higher than this pressure
- No instantaneous pressure increases (0-2000 PSIG in 1/4 of a second)
- Ambient temperature: **70°F (21°C)**
- Temperature range: **-20°F** to **250°F (-29°C** to **121°C)**

100-Series

Feature
- Metal to metal sealing surface
- Yellow sub, black nut

Specification
- Used on low pressure manifolds and lines and in applications running air, water, oil, or gas up to **1,000 PSI** NSCWP

Size	Configuration	Forged Steel Part #
2"	threaded	HU100200
	butt weld	HU100200BW[1]
2-1/2"	threaded	HU100250
3"	threaded	HU100300
4"	threaded	HU100400
	butt weld	HU100400BW[1]
6"	threaded	HU100600
8"	threaded	HU100800

[1] Butt weld ends are schedule 40

200-Series

Features
- Metal to metal sealing surface
- Grey sub, blue nut

Specification
- Used in general service applications running air, water, oil, or gas up to **2,000 PSI** NSCWP

Size	Configuration	Forged Steel Part #
1"	threaded	HU200100
1-1/2"	threaded	HU200150
2"	threaded	HU200200
	butt weld	HU200200BW[1]
2-1/2"	threaded	HU200250
3"	threaded	HU200300
4"	threaded	HU200400
6"	threaded	HU200600

[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** NSCWP

Size	Configuration	Forged Steel Part #
1"	threaded	HU206100
1-1/2"		HU206150
2"		HU206200
2-1/2"		HU206250
3"		HU206300
4"		HU206400
6"		HU206600
8"		HU206800

P

Hammer Unions

400-Series

Feature
- Red sub, black nut

Specification
- Used on manifold and line connections, pump, suction, and mud service up to **4,000 PSI** NSCWP (non-shock cold working pressure)

Size	Configuration	Forged Steel Part #
2"	threaded	HU400200
3"		HU400300
4"		HU400400

602-Series

Features
- Lip type seal ring minimizes fluid flow turbulence while creating a pressure seal
- Orange sub, black nut

Specification
- For use in mud, manifold service and truck mounting applications running water, oil or mud service up to **6,000 PSI** NSCWP

Size	Configuration	Forged Steel Part #
1"	threaded	HU602100
2"	threaded	HU602200
3"	threaded	HU602300
	butt weld	HU602300BW[1]
4"	threaded	HU602400

[1] Butt weld ends are schedule 80

1002-Series

Features
- Lip type seal ring minimizes fluid flow turbulence while creating a pressure seal
- Blue sub, red nut

Specification
- For use in high pressure systems for choke and kill lines, cementing, and acidizing up to **10,000 PSI** NSCWP

Size	Configuration	Forged Steel Part #
1"	threaded	HU1002100
2"	threaded	HU1002200
3"	threaded	HU1002300
	butt weld	HU1002300BW[1]
4"	threaded	HU1002400
	butt weld	HU1002400BW[1]

[1] Butt weld ends are schedule XXS

Hammer Unions

1502-Series

Features
- Lip type seal ring minimizes fluid flow turbulence while creating a pressure seal
- Red sub, blue nut

Specification
- For use in extreme high-pressure applications running water, oil, or mud up to **15,000 PSI** NSCWP (non-shock cold working pressure)

Size	Configuration	Forged Steel Part #
2"	threaded	HU1502200
	butt weld	HU1502200BW[1]
3"	threaded	HU1502300
	butt weld	HU1502300BW[1]
4"	threaded	HU1502400

[1] Butt weld ends are schedule XXS (double extra strong schedule)

Hookie – Hook Hose Lifter

Application
- For use with hammer unions on pages 961-962

Features
- Safe working load is 4 tons, with a proof load test of 8 tons
- Supplied complete with retaining clamp

Size	Forged Steel Part #
3"	HA0900-3
4"	HA0900-4
5"	HA0900-5

P

Value Proposition

1916 DIXON 2026
110 YEARS OF UNCOMMON EXCELLENCE®

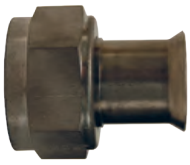
Dixon is committed to **delighting our customers** by being the easiest company they do business with every day.

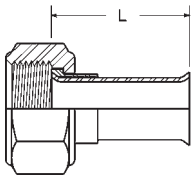
Weld End Metal Hose Fittings

Straight Female

All fittings have 316 seamless stainless steel tubes

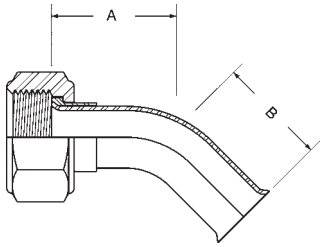
Specification
- Pressure rating at **70°F (21°C)**





Female SAE 37° JIC	Tube O.D.	Pressure Rating PSI at 70°F (21°)	Dimension L	Tube Wall	304 Stainless Steel Nut and Sleeve Part #	Carbon Steel Nut and Sleeve Part #
7/16" - 20	1/4"	**8,650**	1.500"	.049"	SFMF250	FMF250
9/16" - 18	3/8"	**5,550**	1.500"	.049"	SFMF375	FMF375
3/4" - 16	1/2"	**4,050**	1.500"	.049"	SFMF500	FMF500
1-1/16" - 12	3/4"	**2,600**	1.500"	.049"	SFMF750	FMF750
1-5/16" - 12	1"	**1,950**	2.000"	.049"	SFMF1000	FMF1000
1-5/8" - 12	1-1/4"	**2,050**	2.375"	.065"	SFMF1250	FMF1250
1-7/8" - 12	1-1/2"	**1,700**	2.375"	.065"	SFMF1500	FMF1500
2-1/2" - 12	2"	**1,250**	2.500"	.065"	SFMF2000	FMF2000

45° Elbow Female



Female SAE 37° JIC	Tube O.D.	Pressure Rating PSI at 70°F (21°)	Dimension A	Dimension B	Bend Radius	Tube Wall	304 Stainless Steel Nut and Sleeve Part #	Carbon Steel Nut and Sleeve Part #
7/16" - 20	1/4"	**5,000**	0.750"	0.750"	0.380"	.049"	---	FMF250-45
9/16" - 18	3/8"	**4,500**	1.000"	1.000"	0.500"	.049"	---	FMF375-45
3/4" - 16	1/2"	**4,000**	1.250"	1.250"	1.000"	.049"	SFMF500-45	FMF500-45
1-1/16" - 12	3/4"	**2,600**	1.450"	1.450"	1.500"	.049"	SFMF750-45	---
1-5/16" - 12	1"	**2,500**	1.800"	1.800"	2.000"	.049"	SFMF1000-45	FMF1000-45
1-5/8" - 12	1-1/4"	**2,050**	2.100"	2.100"	2.000"	.065"	---	FMF1250-45
1-7/8" - 12	1-1/2"	**1,700**	2.300"	2.300"	2.000"	.065"	SFMF1500-45	FMF1500-45
2-1/2" - 12	2"	**1,250**	3.000"	3.000"	3.000"	.065"	SFMF2000-45	FMF2000-45

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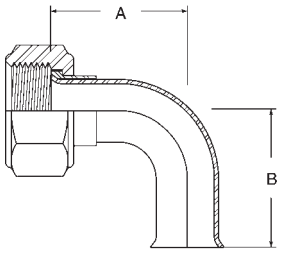
90° Elbow Female



Female SAE 37° JIC	Tube O.D.	Pressure Rating PSI at 70°F (21°)	Dimension A	Dimension B	Bend Radius	Tube Wall	304 Stainless Steel Nut and Sleeve Part #	Carbon Steel Nut and Sleeve Part #
7/16" - 20	1/4"	**5,000**	1.000"	1.000"	0.375"	.049"	SFMF250-90	FMF250-90
9/16" - 18	3/8"	**4,500**	1.250"	1.250"	0.500"	.049"	SFMF375-90	FMF375-90
3/4" - 16	1/2"	**4,000**	1.830"	1.830"	1.000"	.049"	SFMF500-90	FMF500-90
1-1/16" - 12	3/4"	**2,600**	2.350"	2.350"	1.500"	.049"	SFMF750-90	FMF750-90
1-5/16" - 12	1"	**2,500**	3.100"	3.100"	2.000"	.049"	SFMF1000-90	FMF1000-90
1-5/8" - 12	1-1/4"	**2,050**	3.500"	3.500"	2.000"	.065"	SFMF1250-90	FMF1250-90
1-7/8" - 12	1-1/2"	**1,700**	3.750"	3.750"	2.000"	.065"	SFMF1500-90	FMF1500-90
2-1/2" - 12	2"	**1,250**	4.900"	4.900"	2.000"	.065"	SFMF2000-90	FMF2000-90

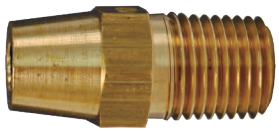
NPT Threaded One End Pipe Fittings

Size	Overall Length	Carbon Steel Part #	304 Stainless Steel Part #	Aluminum Part #
1/4"	2"	PN250	PNS250	---
3/8"	2"	PN375	PNS375	---
1/2"	2"	PN500	PNS500	---
3/4"	2"	PN750	PNS750	---
1"	2"	PN1000	PNS1000	---
1-1/4"	2"	PN1250	PNS1250	---
1-1/2"	2"	PN1500	PNS1500	---
2"	2"	PN2000	PNS2000	APN2000
2-1/2"	3"	PN2500	PNS2500	APN2500
3"	3"	PN3000	PNS3000	APN3000
4"	4"	PN4000	PNS4000	APN4000

Dixon® Hex Nipples for Welding to Metal Hose

Size	Carbon Steel[1] Part #	Optional Qty	Machined Brass Part #
1/4"	FM250	200	FMB250
3/8"	FM375	100	FMB375
1/2"	FM500	50	FMB500
3/4"	FM750	50	FMB750
1"	FM1000	50	FMB1000
1-1/4"	FM1250	50	---
1-1/2"	FM1500	50	---
2"	FM2000	10	---

carbon steel



machined brass

Size	304 Stainless Steel[1] Part #	Optional Qty	316 Stainless Steel[1] Part #
1/4"	FMS250	200	---
3/8"	FMS375	100	---
1/2"	FMS500[2]	50	FMR500[2]
3/4"	FMS750[2]	50	FMR750[2]
1"	FMS1000[2]	50	FMR1000[2]
1-1/4"	FMS1250	50	---
1-1/2"	FMS1500	50	FMR1500

global stainless

[1] Dixon suggests using 308 LSI welding rod
[2] Global stainless steel

Dixon Octagonal Nipples for Welding to Metal Hose

Size	Overall Length	Weld-On Length	Hex Length	Carbon Steel Part #	304 Stainless Steel Part #
2"	2-1/2"	7/8"	9/16"	OCTOE32	OCTOES32

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

Dixon® Octagonal Wrench Grips

Size	Across Outside Flats	Across Inside Flats	Width	304 Stainless Steel Part #
1-1/2"	2.230"	1.910"	9/16"	OCTS24
2"	2.781"	2.385"	9/16"	OCTS32
3"	3.750"	3.510"	7/8"	OCTS48

Size	Across Outside Flats	Across Inside Flats	Width	Carbon Steel Part #
2"	2.740"	2.510"	9/16"	OCT32

Dixon Weld-On Hex Wrench Grips

Size	Global Investment Cast Steel Part #
1"	WN12
1-1/4"	WN16
1-1/2"	WN21
2"	WN26
2-1/2"	WN31
3"	WN36
4"	WN46

Socket Weld Butterfly Valve Flanges

Application
- Used in the piping systems within hydraulic fracturing operations for the transfer of fluids and slurries

Feature
- Slip-on butterfly flanges for welding on to 4", 5", and 8" pipe

Size	# of Bolt Holes	Carbon Steel Part #
4"	6	HSW400
5"	6	HSW500
8"	8	HSW800

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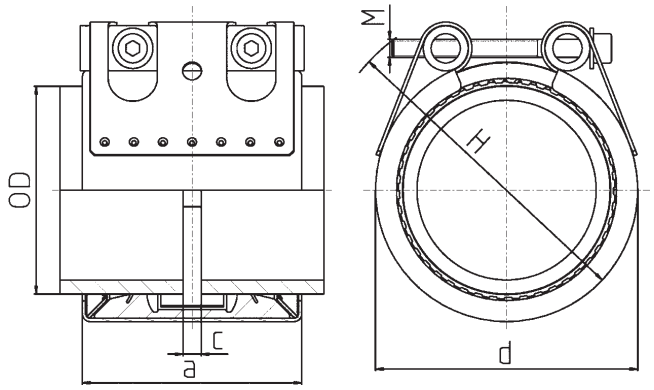
Norma/FGR Grip E Couplings

New

Applications
- Construction, water management, industrial pipelines, ship building
- Designed for the quick installation without service interruption

Sizes
- Pipe O.D. sizes 1”-24”

Features
- Heavy duty lock bars
- Anchoring ring with conically stamped teeth
- Axial restraint
- Standard EPDM seal (NBR and FKM also available as specials)
- Joins pipes of same or dissimilar material; best for metal to metal connections
- Metal strip insert (only replaceable component)



Size	Pipe O.D. Range		Working Pressure PSI	C max	Dimensions (approx.)			316 Ti Stainless Steel Part #
	Actual	Min to Max			A	D	H	
3/4"	1.06"	1.04" to 1.08"	**1,015**	0.118"	2.637"	1.9687"	2.755"	05799300026
1"	1.33"	1.30" to 1.35"	**870**	0.118"	2.637"	2.165"	2.952"	05799300033
1-1/2"	1.90"	1.87" to 1.99"	**725**	0.314"	2.48"	2.755"	3.543"	05799300048
2"	2.37"	2.34" to 2.40"	**580**	0.669"	3.07"	3.346"	4.133"	05799300060
2-1/2"	2.87"	2.84" to 2.91"	**580**	0.984"	3.858"	3.74"	4.53"	05799300073
3"	3.50"	3.43" to 3.54"	**508**	0.984"	3.858"	4.33"	5.118"	05799300088
4"	4.50"	4.45" to 4.55"	**508**	0.984"	3.858"	5.314"	6.102"	05799300114
5"	5.50"	5.44" to 5.57"	**464**	1.377"	4.527"	6.496"	7.677"	05799300139
6"	6.63"	6.56" to 6.70"	**464**	1.377"	4.527"	7.677"	8.858"	05799300168
8"	8.63"	8.50" to 8.70"	**290**	1.377"	5.59"	9.842"	11.02"	05778300219

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WARNING: Misuse of this product can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

Norma/FGR Rep E Couplings

New

Applications

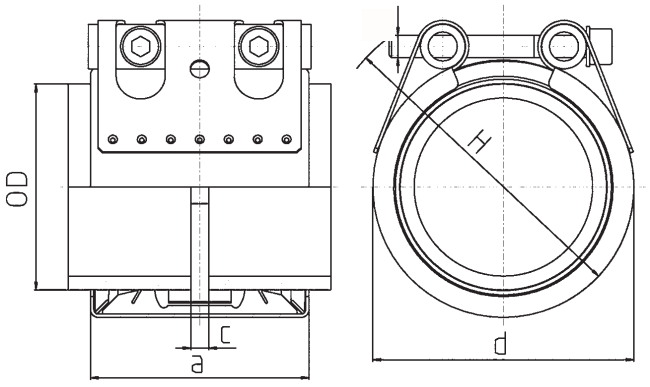
- Construction, water management, industrial pipelines, ship building
- Designed for the quick installation without service interruption

Sizes

- Pipe O.D. sizes 1.315”-48”

Features

- Axial nonrestraint
- Standard EPDM seal (NBR and FKM also available as specials)
- Joins pipes of same or dissimilar material; suitable for metal and plastic pipe connections
- Metal strip insert (only replaceable component)



Size	Pipe O.D. Range		Working Pressure PSI	C max	Dimensions (approx.)			316 Ti Stainless Steel Part #
	Actual	Min to Max			A	D	H	
1-1/2"	1.89"	1.89" to 2.01"	**725**	0.314"	2.48"	2.755"	3.543"	05729360048
2"	2.36"	2.36" to 2.40"	**580**	0.669"	3.07"	3.346"	4.133"	05729360060
2-1/2"	2.87"	2.83" to 2.91"	**580**	0.984"	3.858"	3.74"	4.527"	05729360073
3"	3.50"	3.43" to 3.54"	**508**	0.984"	3.858"	4.33"	5.118"	05729360088
4"	4.49"	4.45" to 4.57"	**508**	0.984"	3.858"	5.314"	6.102"	05729360114
5"	5.59"	5.51" to 5.63"	**464**	1.377"	4.448"	6.692"	7.874"	05729360141
6"	6.61"	6.57" to 6.69"	**464**	1.377"	4.448"	7.677"	8.858"	05729360168

NOTE: Not pull-out resistant. Ensure that pipes are properly anchored and supported.

WARNING: Misuse of this product can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

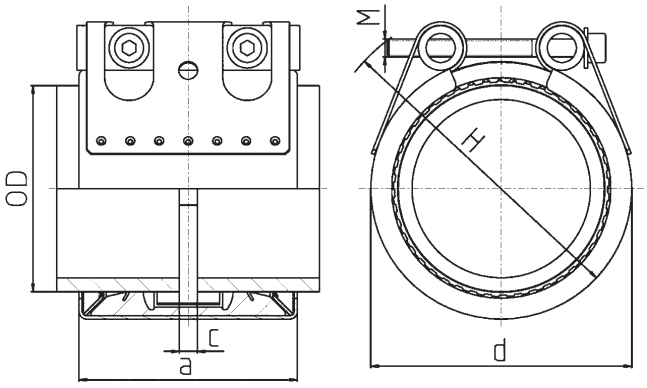
Norma/FGR Flex E Couplings

New

Applications
- Construction, water management, industrial pipelines, ship building
- Designed for the quick installation without service interruption

Sizes
- Pipe O.D. sizes 1”-24”

Features
- Heavy duty lock bars
- Anchoring ring with conically stamped teeth
- Axial restraint
- Standard EPDM seal (NBR and FKM also available as specials)
- Joins pipes of same or dissimilar material; best for metal to metal connections
- Metal strip insert (only replaceable component)



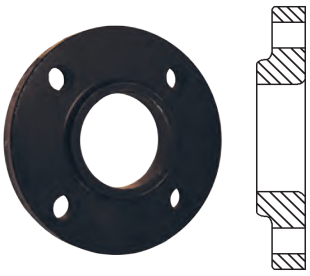
Size	Pipe O.D. Range		Working Pressure PSI	C max	Dimensions (approx.)			316 Ti Stainless Steel Part #
	Actual	Min to Max			A	D	H	
3/4"	1.06"	1.04" to 1.08"	**1,015**	0.12"	2.64"	1.97"	2.76"	05829300026
1"	1.33"	1.30" to 1.35"	**870**	0.12"	2.64"	2.17"	2.95"	05829300033
1-1/2"	1.90"	1.87" to 1.99"	**725**	0.31"	2.48"	2.76"	3.54"	05829300048
2"	2.37"	2.34" to 2.40"	**580**	0.67"	3.07"	3.35"	4.13"	05829300060
2-1/2"	2.87"	2.84" to 2.91"	**580**	0.98"	3.86"	3.74"	4.53"	05829300073
3"	3.50"	3.43" to 3.54"	**508**	0.98"	3.86"	4.33"	5.12"	05829300088
4"	4.50"	4.45" to 4.55"	**508**	0.98"	3.86"	5.31"	6.10"	05829300114
5"	5.50"	5.44" to 5.57"	**464**	1.38"	4.45"	6.50"	7.68"	05829300139
6"	6.63"	6.56" to 6.70"	**464**	1.38"	4.45"	7.68"	8.86"	05829300168

P

WARNING: Misuse of this product can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

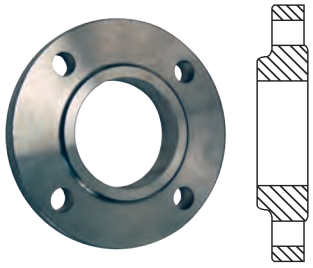
150 Lb. ASA Forged Lap Joint Flanges



Features
- No raised face
- Commonly called a Van Stone or a floating flange

Size	Number of Bolts	Carbon Steel Part #	316 Stainless Steel Part #
1"	4	LJ100	---
1-1/4"		LJ125	---
1-1/2"		LJ150	LJR150
2"		LJ200	LJR200
2-1/2"		LJ250	---
3"		LJ300	LJR300
4"	8	LJ400	LJR400
5"		LJ500	---
6"		LJ600	LJR600
8"		LJ800	---
10"	12	LJ1000	---
12"		LJ1200	---

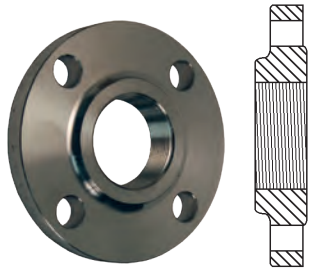
150 Lb. ASA Forged Slip-On Flanges



Feature
- Raised face

Size	Number of Bolts	Carbon Steel Part #	316 Stainless Steel Part #
1"	4	SO100	---
1-1/4"		SO125	---
1-1/2"		SO150	SOR150
2"		SO200	SOR200
2-1/2"		SO250	---
3"		SO300	SOR300
4"	8	SO400	SOR400
5"		SO500	---
6"		SO600	SOR600
8"		SO800	---
10"	12	SO1000	---
12"		SO1200	---

150 Lb. ASA Forged NPT Threaded Flanges



Feature
- Raised face

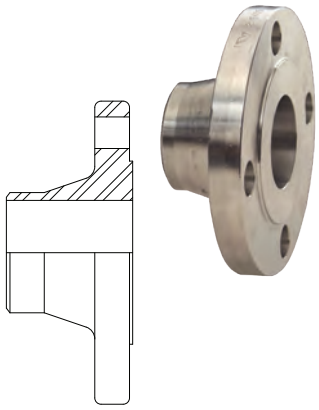
Size	Number of Bolts	Carbon Steel Part #	316 Stainless Steel Part #
1"	4	T100	---
1-1/4"		T125	---
1-1/2"		T150	TR150
2"		T200	TR200
2-1/2"		T250	---
3"		T300	TR300
4"	8	T400	TR400
5"		T500	---
6"		T600	TR600
8"		T800	---
10"	12	T1000	---
12"		T1200	---

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

150 Lb. Weld Neck ASA Forged Flanges

Feature
- Raised face

Size	Number of Bolts	Carbon Steel Part #
1"	4	WN100
1-1/2"		WN150
2"		WN200
3"		WN300
4"	8	WN400
5"		WN500
6"		WN600
8"		WN800
10"	12	WN1000



150 Lb. Flange Gaskets

Features
- Standard drop-ring type all 1/16" thick
- Reference page 1068 for joint sealant gasket material
- For flange dimensional information and diagrams please reference dixonvalve.com

Size	Neoprene Part #	Klingersil® C-4401 Part #	PTFE Part #
1"	NG10	AG10	---
1-1/4"	NG15	AG15	---
1-1/2"	NG20	AG20	---
2"	NG25	AG25	PG25
2-1/2"	NG30	AG30	---
3"	NG35	AG35	PG35
4"	NG40	AG40	PG40
5"	NG50	---	---
6"	NG60	AG60	PG60
8"	NG80	AG80	---

neoprene

Klingersil® C-4401

150 Lb. PTFE Flange Gasket Kit

Features
• 150 lb. PTFE flange gasket with 5/8" bolts, nuts, and lock washers

Sizes
• 3"-4"

Size	Bolt Length	Part #
3"	3"	PG35-3008Z
	3-1/2"	PG35-3508Z
4"	3"	PG40-3008Z
	3-1/2"	PG40-3508Z

PG35-3008Z

150 Lb. Neoprene Flange Gasket Kit

Features
• 150 lb. neoprene flange gasket with 5/8" bolts, nuts, and lock washers

Sizes
• 3"-4"

Size	Bolt Length	Part #
3"	3"	NG35-3008Z
	3-1/2"	NG35-3508Z
4"	3"	NG40-3008Z
	3-1/2"	NG40-3508Z

NG40-3008Z

P

ANSI Flat Face Flange x Male NST (NH)

Materials
- Flange - black powder coated carbon steel
- Male adapter - black anodized aluminum

Size	PSI	Carbon Steel / Aluminum Part #
6" NST (NH)	**175**	T600-60F

King Turned Back Weld-To-Metal Hose Nipples

Application
- For use with lap joint flanges only

Features
- MSS Length
- Phono-finish face (type CS), except 10" and 12" have smooth face (type C)

Size	Length	Schedule 40 Plated Carbon Steel Part #	Schedule 40 316 Stainless Steel Part #
1"	2"	NW10	RNW10-40
1-1/4"	2"	NW15	RNW15-40
1-1/2"	2"	NW20	RNW20-40
2"	2-1/2"	NW25	RNW25-40
2-1/2"	2-1/2"	NW30	RNW30-40
3"	2-1/2"	NW35	RNW35-40
4"	3"	NW40	RNW40-40
6"	3-1/2"	NW60	RNW60-40
8"	4"	NW80	RNW80-40
10"	5"	NW100	---
12"	6"	NW120	RNW120-40

1916 DIXON 2026
110 YEARS OF UNCOMMON EXCELLENCE®

We Believe in the 6 Pillars of Character

Respect *Responsibility* *Caring* *Citizenship* *Trustworthiness* *Fairness*

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Quick Release Couplings – Series-Q

Applications
- Designed for applications requiring a quick connection and/or disconnection of a pipe joint

Features
- A locking pin through the handle prevents accidental opening of the coupling
- See pages 977, 981-982 for replacement gaskets

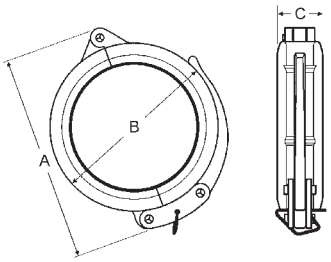
Materials
- Ductile iron body with zinc plating and steel safety clip

Comparable to
- Victaulic's #78
- Grinnell's #7003

Nominal Size	Pipe O.D.	Maximum Working Pressure PSI at 70°F (21°C)	Maximum End Load (Lbs.)	Ductile Iron	
				Part # with EPDM gasket	Part # with Nitrile Rubber gasket
1-1/2"	1.900"	300	850	H315	H315BU
2"	2.375"		1329	H32	H32BU
2-1/2"	2.875"		2120	H325	H325BU
3"	3.500"		2886	H33	H33BU
4"	4.500"		4771	H34	H34BU
6"	6.625"		10341	H36	H36BU

Dimensions

A	B	C
4-3/4"	3-1/2"	1"
5-1/2"	3-3/4"	1-7/8"
5-7/8"	4-3/4"	1-7/8"
7-1/4"	5-1/4"	1-7/8"
8-1/2"	6-1/2"	2"
10-5/8"	8-1/2"	2"



A Major Milestone

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Standard Couplings – Series-S, Style 11

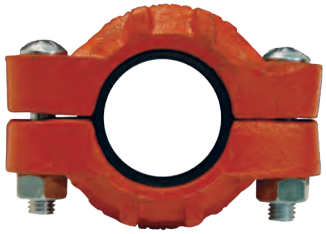
Applications
- Designed for a wide range of applications including commercial/industrial construction, mining, and process piping

Features
- Housing design allows for optimum strength without excessive casting weight
- See pages 973, 977-978 for replacement gaskets, nuts, and bolts
- Victaulic's #77
- Grinnell's #7001

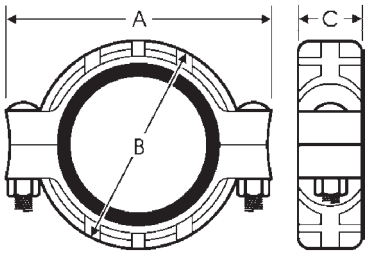
Material
- Ductile iron body with rust-inhibiting paint

Approvals
- UL listed and Factory Mutual approved

Comparable to



Nominal Size	Pipe O.D.	Maximum Working Pressure PSI at 70°F (21°C)	Maximum End Load (Lbs.)	Bolts			Ductile Iron		
				Qty	Size	length	Part # with EPDM gasket	Part # with Nitrile Rubber gasket	Part # with FKM gasket
1-1/2"	1.900"	1,000	2835	2	3/8"	2"	C115	C115BU	---
2"	2.375"		4430	2	1/2"	2-3/4"	C12	C12BU	C12V
2-1/2"	2.875"		6492	2	1/2"	2-3/4"	C125	C125BU	---
3"	3.500"		9621	2	1/2"	3"	C13	C13BU	C13V
4"	4.500"		15904	2	5/8"	3-1/4"	C14	C14BU	C14V
6"	6.625"		34472	2	3/4"	4-1/4"	C16	C16BU	---
8"	8.625"	800	46741	2	7/8"	5"	C18	C18BU	---
10"	10.750"		72610	2	7/8"	5"	C20	C20BU	---
12"	12.750"		102141	2	7/8"	5"	C24	C24BU	---



Dimensions

A	B	C
4-5/8"	3"	1-7/8"
5-15/64"	3-45/64"	1-27/32"
5-5/8"	4-1/4"	1-27/32"
6-21/32"	5"	1-27/32"
8-17/64"	6-3/8"	2-3/64"
11-7/32"	8-57/64"	2-3/64"
14-1/64"	11-3/8"	2-23/64"
16-5/8"	13-1/2"	2-5/8"
18-5/8"	15-1/2"	2-5/8"

Lightweight Flexible Couplings - Series-L, Style 10

Applications
- Designed for applications requiring moderate internal pressure or where weight is a factor such as general purpose, mining, irrigation, and compressed air where a deflection of 5% or less is required

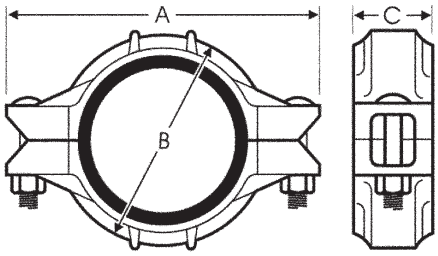
Feature
- See pages 973, 977-978 for replacement gaskets, nuts, and bolts

Comparable to
- Victaulic's #75
- Grinnell's #7000

Material
- Ductile iron body with rust inhibiting paint

Approvals
- UL listed and Factory Mutual approved

Nominal Size	Pipe O.D.	Maximum Working Pressure PSI at 70°F (21°C)	Maximum End Load (Lbs.)	Bolts			Ductile Iron	
				Qty	Size	Length	Part # with EPDM gasket	Part # with Nitrile Rubber gasket
1-1/2"	1.900"	500	1418	2	3/8"	2-1/4"	L215	L215BU
2"	2.375"		2215	2	3/8"	2"	L02	L02BU
2-1/2"	2.875"	300	3246	2	3/8"	2"	L025	L025BU
3"	3.500"		4811	2	1/2"	2-3/4"	L03	L03BU
4"	4.500"		6362	2	1/2"	2-3/4"	L04	L04BU
5"	5.563"		9722	2	5/8"	3-1/4"	L05	L05BU
6"	6.625"		13789	2	5/8"	3-1/4"	L06	L06BU
8"	8.625"		20449	2	3/4"	4-1/4"	L08	L08BU



Dimensions

A	B	C
4-1/2"	2-29/32"	1-25/32"
4-7/8"	3-25/64"	1-27/32"
5-15/32"	3-45/64"	1-27/32"
6-27/64"	4-39/64"	1-27/32"
7-33/64"	5-7/8"	2-1/64"
9-17/32"	7-3/32"	2-1/64"
10-7/16"	8-7/64"	2-3/64"
13-15/32"	10-5/32"	2-13/32"

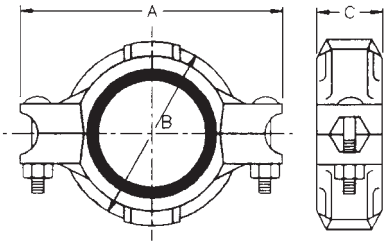
Grooved Rigid Couplings – Series-R, Style 5

Applications
- Ideal for fire protection, plumbing, low pressure air, and drainage

Features
- Lightweight, low pressure
- Small gripping teeth hold the housing into the groove allowing a straight run of pipe and preventing any flex at the joint
- See pages 973, 977-978 for replacement gaskets, nuts, and bolts

Approvals
- UL listed and Factory Mutual approved

Nominal Size	Pipe O.D.	Maximum Working Pressure PSI at 70°F (21°C)	Maximum End Load (Lbs.)	Bolts			Galvanized Ductile Iron	
				Qty	Size	Length	Part # with EPDM gasket	Part # with Nitrile Rubber gasket
2"	2.375"	175	4425	2	3/8"	2"	R72	R72BU
2-1/2"	2.875"		6490	2	3/8"	2"	R725	R725BU
3"	3.500"		9620	2	1/2"	2-3/4"	R73	R73BU
4"	4.500"		12720	2	1/2"	2-3/4"	R74	R74BU
6"	6.625"		27570	2	5/8"	3-1/4"	R76	R76BU
8"	8.625"		35050	2	3/4"	4-1/4"	R78	R78BU



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Dimensions

A	B	C
4-7/8"	3-17/32"	1-27/32"
5-5/8"	3-45/64"	1-3/4"
6-3/8"	4-41/64"	1-27/32"
7-45/64"	5-15/16"	2"
10-25/32"	8-7/64"	2-3/64"
13-25/32"	10"	2-21/64"

Grooved Bolted Clamps

Features
- Bolt torque: 20 ft. lbs.
- Precision casting and machined dimensions provide an exact fit and great appearance
- Use of lock nuts prevents clamps from loosening in high vibration applications
- Leak-tight connection
- Intended for tank truck applications only
- Unlike steel groove clamps that secure pipe ends with high clamp force against the tubing walls, the Dixon® bolted clamp takes the full bolt force and locks in the groove of the tube preventing distortion of the tube diameter
- White nitrile rubber for use in dry bulk food applications

Specifications
- Temperature ratings for FKM-B is **20°F** to **300°F (-7°C** to **149°C)**
- Temperature ratings for Baylast™ is **-20°F** to **180°F (-29°C** to **82°C)**
- 2" pressure rating: **400 PSI**
- 3" pressure rating: **170 PSI**
- 4" pressure rating: **120 PSI**

Approvals
- FKM-B rated for 100% biodiesel and Ethanol
- Nitrile rubber rated for petroleum service, Ethanol to E100, and biodiesel to B20
- Baylast™ rated for petroleum service, Ethanol to E100, and biodiesel to B100

clamp with black nitrile rubber gasket
Note: Supplied clamp gasket must be installed prior to use, ships separately.

Size	Gasket Material	Aluminum Part #
2"	FKM-B	DBV-VB200
3"		DBV-VB300
4"		DBV-VB400
2"	nitrile rubber	DBV-BN200
3"		DBV-BN300
4"		DBV-BN400
2"	Baylast	DBV-BL200
3"		DBV-BL300
4"		DBV-BL400
4"	white nitrile rubber	DBV-WB400

Replacement Gaskets

Size	Material	Part #
2"	FKM-B	G200VB
3"		G300VB
4"		G400VB
3"	nitrile rubber	G300T
4"		G400T
2"	Baylast	G200BL
3"		G300BL
4"		G400BL
4"	white nitrile rubber	G400N

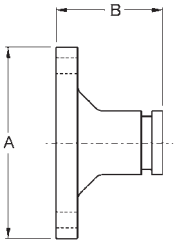
Painted Iron Clamps with Baylast Gaskets

Feature
- Painted red

Approvals
- Baylast seal is rated for biodiesel, Ethanol, diesel, gas, and ULSD

Size	Maximum PSI	Iron Part #
2"	**500**	L02BL
3"	**300**	L03BL
4"		L04BL

Flange Adapters – Series-FA



Application
- Used to connect an ANSI Class 125 and 150 flange to a grooved pipe using a grooved clamp

Feature
- Provides a rigid one-piece connection that can be disconnected by removing the clamp assembly, assemble to another flange, position bolt heads on the adapter (grooved) side

Material
- Ductile iron body with rust inhibiting paint

Nominal Size	Pipe O.D.	Maximum Working Pressure PSI at 70°F (21°C)	Flange Dimensions		Bolts		Ductile Iron Part #
			A	B	Qty	Size	
2"	2.375"	300	6"	2-3/8"	4	5/8"	FA20
3"	3.500"		7-1/4"	2-3/8"	4	5/8"	FA30
4"	4.500"		8-1/2"	2-3/8"	8	5/8"	FA40
6"	6.625"		11"	2-9/16"	8	3/4"	FA60
8"	8.625"		13-1/4"	3"	8	3/4"	FA80

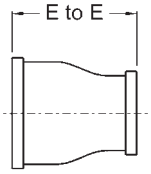
FM UL

Reducing Adapters – Series-RA

Material
- Ductile iron body with rust inhibiting paint

Approvals
- UL listed and Factory Mutual approved

Comparable to
- Victaulic's #50
- Grinnell's #7072



Nominal Size	Nominal Size	Dimensions E to E	Ductile Iron Part #
2"	1-1/2"	2.5"	RAGG20150
2-1/2"	2"	2.5"	RAGG25020
3"	2"	2.5"	RAGG3020
	2-1/2"	2.5"	RAGG30250
4"	2"	3.0"	RAGG4020
	2-1/2"	3.0"	RAGG40250
	3"	3.0"	RAGG4030
5"	4"	3.5"	RAGG5040
6"	2"	4.0"	RAGG6020
	2-1/2"	4.0"	RAGG60250
	3"	4.0"	RAGG6030
	4"	4.0"	RAGG6040

P

Grooved End Fittings

Series-90

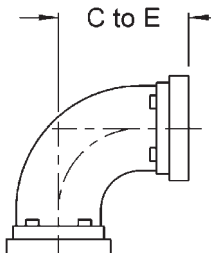
Feature
- Designed to provide minimum pressure drop and uniform strength

Material
- Ductile iron body with rust inhibiting paint

Specification
- Maximum operating pressure: **500 PSI** at ambient temperature **70°F (21°C)**

Approvals
- Underwriters Listed and Factory Mutual approved

Comparable to
- Victaulic's #10
- Grinnell's #7050



Nominal Size	Dimensions C to E	Ductile Iron Part #
2"	3-1/4"	L502
2-1/2"	3-3/4"	L5025
3"	4-1/4"	L503
4"	5"	L504
6"	6-1/2"	L506
8"	7-3/4"	L508

Series-T

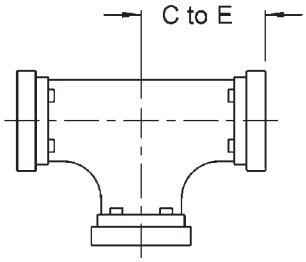
Feature
- Designed to provide minimum pressure drop and uniform strength

Material
- Ductile iron body with rust inhibiting paint

Specification
- Maximum operating pressure: **500 PSI** at ambient temperature **70°F (21°C)**

Approvals
- Underwriters Listed and Factory Mutual approved

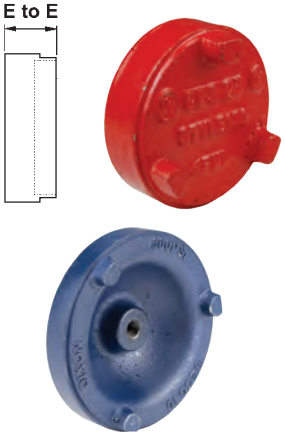
Comparable to
- Victaulic's #20
- Grinnell's #7060



Nominal Size	Dimensions C to E	Ductile Iron Part #
2"	3-1/4"	T602
2-1/2"	3-3/4"	T6025
3"	4-1/4"	T603
4"	5"	T604
6"	6-1/2"	T606
8"	7-3/4"	T608

P

Blank Caps – Series-BE



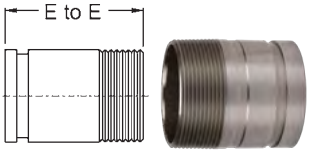
Feature
- Painted with rust-inhibiting paint

Approvals
- Underwriters Listed and Factory Mutual approved

Comparable to
- Victaulic's #60
- Grinnell's #7074

Nominal Size	Dimensions E to E	Ductile Iron Part #
2"	7/8"	BEC20
2-1/2"	7/8"	BEC25
3"	7/8"	BEC30
4"	1"	BEC40
5"	1-19/32	BECC50
6"	1"	BEC60
8"	1-3/16"	BEC80

Long Pipe Style Nipples – Series-AN



Groove x NPT	Dimensions E to E	Carbon Steel Part #
2"	4"	A712
2-1/2"		A7125
3"		A713
4"	6"	A714
5"		A715
6"		A716

Grooved End x Weld Nipples

Nominal Size	Aluminum Part #	Carbon Steel Part #	316 Stainless Steel Part #
2"	AVN2000-200	VN2000-200	VNR2000-200
2-1/2"	AVN2500-200	VN2500-200	VNR2500-200
3"	AVN3000-200	VN3000-200	VNR3000-200
4"	AVN4000-200	VN4000-200	VNR4000-200

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

P

Grooved End Butterfly Valves

Application
- For water and air

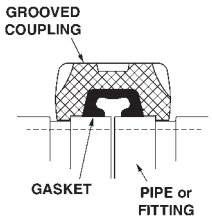
Materials
- Body: ductile iron, epoxy coated; disc: ductile iron, EPDM encapsulated; stem: stainless steel; notch plate: zinc plated steel; seals: EPDM

Specifications
- Working pressure: **300 PSI**
- Maximum temperature: **210°F (99°C)**

Size	Ductile Iron Part #
2"	GIBFV200
2-1/2"	GIBFV250
3"	GIBFV300
4"	GIBFV400
6"	GIBFV600
8"	GIBFV800

Grooved Fitting Gaskets

- Check gasket color code to be certain it is recommended for the service intended
- Use lubricant on gasket (reference next page)
- For services not listed contact Dixon® for recommendations



FKM Gaskets

Features
- Color code: black with blue stripe
- Resistant to oxidizing acids, petroleum oils, hydraulic fluids, halogenated hydrocarbons, and lubricants

Specification
- Temperature range: **-13°F** to **350°F** **(-11°C** to **177°C)**

Size	FKM Part #
2"	G200V
3"	G300V
4"	G400V
6"	G600V
8"	G800V
10"	G1000V
12"	G1200V

EPDM Gaskets

Features
- Color code: black with green stripe
- For water, dilute acids, alkalies, salts, and many chemical services not involving hydrocarbons, oils, or gases
- Excellent oxidation resistance
- Not for use with hydrocarbons

Specification
- Temperature range: **-22°F** to **230°F** **(-30°C** to **110°C)**

Size	EPDM Part #
1-1/2"	G150E
2"	G200E
2-1/2"	G250E
3"	G300E
4"	G400E
5"	G500E
6"	G600E
8"	G800E
10"	G1000E
12"	G1200E

Nitrile Rubber Gaskets

Features
- For petroleum products, vegetable oils, mineral oils, and air contaminated with petroleum oils
- Not for use in hot water services

Specification
- Temperature range: **-24°F** to **176°F** **(-31°C** to **80°C)**

Size	Black Nitrile Rubber with Orange Stripe Part #	White Nitrile Rubber Part #
1-1/2"	G150T	---
2"	G200T	---
2-1/2"	G250T	---
3"	G300T	---
4"	G400T	G400N
5"	G500T	---
6"	G600T	---
8"	G800T	---
10"	G1000T	---
12"	G1200T	---

Grooved Fitting Accessories

Nuts and Bolts

Features
- The nuts are a heavy hexagon design
- Specifically designed for use with the couplings on pages 971-974

Approval
- Conforms to ASTM A183

Bolt Thread	Bolt Length	Torque (Ft. Lbs.)	Electroplated Carbon Steel Part #
3/8"	2"	30	BLT38200
	2-1/4"		BLT38225
1/2"	2-1/2"	50	BLT50212
	2-3/4"		BLT50234
	3"		BLT50300
5/8"	3-1/4"	75	BLT58314
3/4"	4-1/4"	75	BLT75414
7/8"	5"	200	BLT78500

Groove Lube

Features
- Water soluble
- Non-toxic
- Non-corrosive
- Non-flammable
- Should not be used with High Density Polyethylene (HDPE) pipe

Approval
- NSF approved for use with potable water

Size	Container	Part #
1 qt.	2 lb. tub	GROOVLUB32

Y Line Strainers

Cast Iron

Features
- Plug ported for blowdown service
- No replacement screens available

Material
- Graphite gasket

Specification
- Working pressure: **500 PSI CWP; 250 PSI SWP**
- Maximum temperature: **406°F (208°C)**

Female NPT	Description	Cast Iron Part #
1/4"	20 x 20 mesh	Y001
3/8"		Y002
1/2"		Y003
3/4"		Y004
1"		Y005
1-1/4"		Y006
1-1/2"		Y007
2"		Y008

Cast Bronze

Specification
- Working pressure: **400 PSI WOG**, **125 SWP** steam

replacement screen

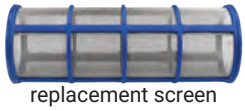
Female NPT	Description	Cast Bronze Part #	304 Stainless Replacement Screens Part #
1/4"	50 x 50 mesh	59-001	G3271-00
3/8"		59-002	G2457-00
1/2"		59-003	G2457-00
3/4"	20 x 20 mesh	59-004	G3224-00
1"		59-005	G3225-00
1-1/4"		59-006	G3231-00
1-1/2"		59-007	G3229-00
2"		59-008	G3230-00

Polypropylene

Features
- Protects and prevents clogging of pipelines, pumps, and spray tips
- Easy access for cleaning

Material
- Glass-filled polypropylene body

Specification
- Maximum operating pressure: **90 PSI** at **70°F (21°C)**



replacement screen

Female NPT	Description	Glass-filled Polypropylene Part #	304 Stainless Replacement Screens Part #
3/4"	50 mesh	PYLS7550	64178
1"		PYLS10050	64292
1-1/2"		PYLS15050	64261
2"		PYLS20050	

Polypropylene T Line Strainers

Feature
- White polypropylene allows easy inspection

Specification
- Maximum operating pressure: **100 PSI** at **70°F (21°C)**

Female NPT	Description	Polypropylene Part #	304 Stainless Replacement Screens Part #
3/4"	40 mesh	PTLS7540	61405
1"		PTLS10040	

LP Gas Couplings and Adapters

Approvals

- Products meet or exceed the requirements of Compressed Gas Association (CGA), the National Fire Protection Association (NFPA), the Canadian Gas Association, American Society of Mechanical Engineers (ASME), and Underwriters Laboratories (UL)

ME217

ME233

ME502-12/8

ME503-16

Male Acme x Male NPT Adapters

Male Acme	Male NPT	Female NPT	Brass Part #
1-3/4"	1-1/4"	---	ME217
2-1/4"	1-1/4"	---	ME233
2-1/4"	1-1/2"	1"	ME502-12/8[1]
3-1/4"	2"	---	ME503-16

[1] Dual threads – male outside/female inside

Male Acme x Female NPT Adapters

Male Acme	Female NPT	Brass Part #
1-3/4"	1"	ME214
3-1/4"	2"	ME252-16

ME217S

ME503S-16

Male Acme x Male NPT Adapters

Male Acme	Male NPT	Steel Part #
1-3/4"	1-1/4"	ME217S
2-1/4"	1-1/4"	ME233S
3-1/4"	2"	ME503S-16

Male Acme x Female NPT Adapter

Male Acme	Female NPT	Steel Part #
3-1/4"	2"	ME252S-16

brass

steel

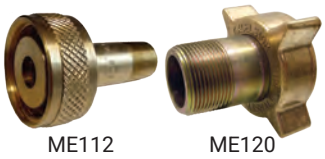
Female Acme x Male Acme Adapters

Female Acme	Male Acme	Material	Part #
3-1/4"	1-3/4"	brass	ME612
		steel	ME612S

LP Gas Couplings and Adapters

Female Acme x Male NPT Filler Couplings, Brass Nut

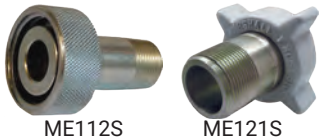
Female Acme	Male NPT	Material	Part #
1-3/4"	1"	brass nut, brass nipple	ME112
2-1/4"	1-1/4"	brass nut, brass nipple	ME120
		brass nut, steel nipple	ME120S
3-1/4"	2"	brass nut, steel nipple	ME130


ME112 ME120

ME130

Female Acme x Male NPT Filler Couplings, Steel Nut

Female Acme	Male NPT	Steel Part #
1-3/4"	1"	ME112S
2-1/4"	1-1/4"	ME121S
3-1/4"	2"	ME130S


ME112S ME121S

ME130S

Acme Gaskets

Size	Nitrile Part #
1-3/4"	MEW2
2-1/4"	MEW5
3-1/4"	MEW6

Clamp Style Hose Couplings

Feature
- 32B and 32S sizes offer a female Acme swivel to eliminate the need to add additional weight and bulk to the hose assembly

Materials
- Clamp sections and hose barbs are made of steel and ductile iron

Hose Barb	Thread Size	Material	Part #
1"	1" male NPT	steel nipple, 2-piece ductile iron clamp	ME3162-16
1-1/4"	1-1/4" male NPT	steel nipple, 2-piece ductile iron clamp	ME3162-20
1-1/2"	1-1/2" male NPT	steel nipple, 2-piece ductile iron clamp	ME3162-24
2"	2" male NPT	steel nipple, 2-piece ductile iron clamp	ME3162-32
	3-1/4" female Acme	steel nipple, brass nut, 2-piece ductile iron clamp	ME3162-32B
	3-1/4" female Acme	steel nipple, steel nut, 2-piece ductile iron clamp	ME3162-32S

ME3162-20

ME3162-32B

Acme Spanner Wrench

Application
- Used on 1-3/4", 2-1/4", 3-1/4", and 4-1/4" fittings

Aluminum Part #
MEP120B

LP Gas Hose Caps and Plugs

ME229-1

ME441F-1

Metal Caps

Female Acme Threads	Description	Material	Part #
1-3/4"	cap with ring and chain	brass	ME229-1
	cap with ring and chain	steel	ME229S-1
2-1/4"	cap with knob plug and cable	brass	ME431F-1
	cap with knob plug, ring and cable	steel	ME431FS-1
3-1/4"	cap with knob plug, ring and cable	brass	ME441F-1
	cap with knob plug, ring and cable	steel	ME441FS-1

ME109-1

ME109-NH3-1

Plastic Caps

Female Acme Threads	Description	Plastic Part #
1-3/4"	cap with ring and chain, yellow	ME109-1
	cap with chain assembly, for anhydrous service, black	ME109-NH3-1

ME179-1

ME180-1

ME181-1

Plastic Dust Plugs

Male Acme Threads	Description	Plastic Part #
1-3/4"	plug with dust seal and chain assembly, yellow	ME179-1
2-1/4"	plug with dust seal and chain assembly, yellow	ME180-1
3-1/4"	plug with dust seal and chain assembly, yellow	ME181-1

P

Instrumentation Fittings

Applications
- High pressure
- High temperature
- Nitrogen
- Helium
- Flammable gases
- Hydraulic gases
- Corrosive media
- Pneumatic automation

Installation Instructions
1. Cut tubing squarely and clean tube end thoroughly to remove burrs.
2. Insert the tubing into the assembly, making sure the tubing seats firmly against the shoulder of the body and the nut is finger tight.
3. Tighten the nut with a wrench 1-1/4 turns while holding the body with a second wrench.

Features
- Instrumentation fittings come completely assembled
- Double collet (ferrule) swaging action
- Two positive seal points

Specifications
- Temperature range: **-325°F** to **1,200°F (-198°C** to **648°C)**
- Pressure ratings: see chart to the left; ratings listed are for reference only

Safety Guidelines
- Never connect, disconnect, or remake a fitting with pressure in the system.
- Make sure all fittings are properly installed.
- It is not recommended to go beyond the pressure rating of the tubing. Elongation could occur in the tubing, shrinking the wall thickness and causing potential harm.
- For proper sealing, it is recommended that the tubing and fittings be of like material.
- Always use proper thread lubricant and sealants on tapered pipe threads.
- Never bleed a system by loosening a fitting.

Approvals
- ASTM 316 stainless steel material construction
- Fully interchangeable with Swagelok® and Parker A-Lok®; all fittings are ASTM F1387 Certified

Suggested Working Pressures (PSI)

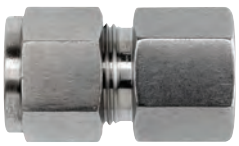
Wall Thk.	.028	.035	.049	.065	.083	.095	.109
1/4"	**4,000**	**5,100**	**7,500**	**10,100**	---	---	---
3/8"	---	**3,300**	**4,700**	**6,600**	---	---	---
1/2"	---	**2,600**	**3,700**	**5,000**	**6,600**	---	---
5/8"	---	---	**2,900**	**3,900**	**5,200**	**6,000**	---
3/4"	---	---	**2,400**	**3,200**	**4,200**	**4,900**	**5,700**

Male Connectors

Tube O.D.	Male NPT	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/8"	1/8"-27	200-1-2	2-DMC-2	10
	1/4"-18	200-1-4	2-DMC-4	10
1/4"	1/8"-27	400-1-2	4-DMC-2	10
	1/4"-18	400-1-4	4-DMC-4	10
	3/8"-18	400-1-6	4-DMC-6	10
	1/2"-14	400-1-8	4-DMC-8	10
3/8"	1/4"-18	600-1-4	6-DMC-4	10
	3/8"-18	600-1-6	6-DMC-6	10
	1/2"-14	600-1-8	6-DMC-8	10
1/2"	1/4"-18	810-1-4	8-DMC-4	10
	3/8"-18	810-1-6	8-DMC-6	10
	1/2"-14	810-1-8	8-DMC-8	10
5/8"	1/2"-14	1010-1-8	10-DMC-8	10
3/4"	1/2"-14	1210-1-8	12-DMC-8	10
	3/4"	1210-1-12	12-DMC-12	10
	1"	1210-1-16	12-DMC-16	10
1"	3/4"	1610-1-12	16-DMC-12	10
	1"	1610-1-16	16-DMC-16	10

Female Connectors

Tube O.D.	Female NPT	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/8"	1/8"-27	200-7-2	2-DFC-2	10
1/4"	1/8"-27	400-7-2	4-DFC-2	10
	1/4"-18	400-7-4	4-DFC-4	10
3/8"	1/4"-18	600-7-4	6-DFC-4	10
	1/2"-14	600-7-8	6-DFC-8	10
1/2"	1/2"-14	810-7-8	8-DFC-8	10
5/8"	1/2"	1010-7-8	10-DFC-8	10
3/4"	1/2"	1210-7-8	12-DFC-8	10
	3/4"	1210-7-12	12-DFC-12	10
1"	1"	1610-7-16	16-DFC-16	10

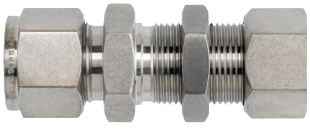


Instrumentation Fittings

Unions

Tube O.D.	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/8" x 1/8"	200-6	2-DU	10
1/4" x 1/8"	400-6-2	4-DU-2	10
1/4" x 1/4"	400-6	4-DU	10
3/8" x 1/4"	600-6-4	6-DU-4	10
3/8" x 3/8"	600-6	6-DU	10
1/2" x 1/2"	810-6	8-DU	10
5/8" x 5/8"	1010-6	10-DU	10
3/4" x 3/4"	1210-6	12-DU	10
1" x 1"	1610-6	16-DU	10

Bulkhead Unions



Tube O.D.	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/4"	400-61	4-DBHU-4	10
3/8"	600-61	6-DBHU-6	10
1/2"	810-61	8-DBHU-8	10
5/8"	1010-61	10-DBHU-10	10
3/4"	1210-16	12-DBHU-12	10
1"	1610-16	16-DBHU-16	10

Reducers

Tube O.D.	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/4" x 1/8"	400-R-2	4-DRATT-2	10
3/8" x 1/4"	600-R-4	6-DRATT-4	10
3/8" x 1/2"	600-R-8	6-DRATT-8	10
1/2" x 3/4"	810-R-12	8-DRATT-12	10
3/4" x 1/2"	1210-R-8	12-DRATT-8	10
3/4" x 1"	1210-R-16	12-DRATT-16	10

Male Elbows

Tube O.D.	Male NPT	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/4"	1/8"-27	400-2-2	4-DME-2	10
	1/4"-18	400-2-4	4-DME-4	10
3/8"	1/4"-18	600-2-4	6-DME-4	10
	3/8"-18	600-2-6	6-DME-6	10
1/2"	1/2"-14	810-2-8	8-DME-8	10
3/4"	1/2"-14	1210-2-8	12-DME-8	10
	3/4"	1210-2-12	12-DME-12	10
1"	3/4"	1610-2-12	16-DME-12	10
	1"	1610-2-16	16-DME-16	10

Female Elbows

Tube O.D.	Female NPT	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/4"	1/8"-27	400-8-2	4-DFE-2	10
3/8"	1/4"-18	600-8-4	6-DFE-4	10
1/2"	1/2"-14	810-8-8	8-DFE-8	10
3/4"	1/2"	1210-8-8	12-DFE-8	10
3/4"	3/4"	1210-8-12	12-DFE-12	10
1"	1"	1610-8-16	16-DFE-16	10

Instrumentation Fittings

Union Elbows

Tube O.D.	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/4"	400-9	4-DELU-4	10
3/8"	600-9	6-DELU-6	10
1/2"	810-9	8-DELU-8	10
5/8"	1010-9	10-DELU-10	10
3/4"	1210-9	12-DELU-12	10
1"	1610-9	16-DELU-16	10

Male Branch Tees

Tube O.D.	Male NPT	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/8"	1/8"-27	200-3TTM	2-DTTM-2	10
1/4"	1/4"-18	400-3-4TTM	4-DTTM-4	10
1/2"	3/8"	810-3TTM	8-DTTM-6	10
	1/2"	810-3-8TTM	8-DTTM-8	10
3/4"	1/2"	1210-3-8TTM	12-DTTM-8	10
	3/4"	1210-3TTM	12-DTTM-12	10
1"	3/4"	1610-3-12TTM	16-DTTM-12	10
	1"	1610-3-16TTM	16-DTTM-16	10

Female Branch Tees

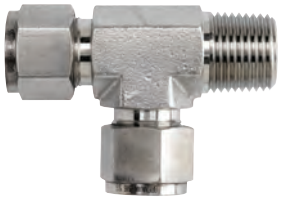
Tube O.D.	Female NPT	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/4"	1/4"-18	400-3-4TTF	4-DTTF-4	10

Union Tees

Tube O.D.	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/4"	400-3	4-DTTT-4	10
3/8"	600-3	6-DTTT-6	10
1/2"	810-3	8-DTTT-8	10
5/8"	1010-3	10-DTTT-10	10
3/4" x 3/8"	1210-3-12-6	12-DTTT-6	10
3/4" x 1/2"	1210-3-12-8	12-DTTT-8	10
3/4"	1210-3	12-DTTT-12	10
1" x 3/4"	1610-3-12-16	16-DTTT-12	10
1"	1610-3	16-DTTT-16	10

Male Run Tees

Tube O.D.	Male NPT	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/8"	1/8"-27	200-3TMT	2-DTMT-2	10
1/4"	1/4"-18	400-3-4TMT	4-DTMT-4	10
3/8"	1/4"-18	600-3TMT	6-DTMT-4	10
1/2"	3/8"	810-3TMT	8-DTMT-6	10
1/2"	1/2"	810-3-8TMT	8-DTMT-8	10
3/4"	3/4"	1210-3TMT	12-DTMT-12	10
1"	1"	1610-3-16TMT	16-DTMT-16	10



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Instrumentation Fittings

Front Ferrules

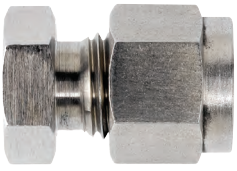
Tube O.D.	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/8"	203-1	DFC-2	10
1/4"	403-1	DFC-4	10
3/8"	603-1	DFC-6	10
1/2"	813-1	DFC-8	10
5/8"	1013-1	DFC-10	10
3/4"	1213-1	DFC-12	10
1"	1613-1	DFC-16	10

Rear Ferrules

Tube O.D.	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/8"	204-1	DRC-2	10
1/4"	404-1	DRC-4	10
3/8"	604-1	DRC-6	10
1/2"	814-1	DRC-8	10
5/8"	1014-1	DRC-10	10
3/4"	1214-1	DRC-12	10
1"	1614-1	DRC-16	10

Nuts

Tube O.D.	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/4"	402-1	DN-4	10
3/8"	602-1	DN-6	10
1/2"	812-1	DN-8	10
5/8"	1012-1	DN-10	10
3/4"	1212-1	DN-12	10
1"	1612-1	DN-16	10



Caps

Tube O.D.	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/4"	400-C	4-DCAP	10
3/8"	600-C	6-DCAP	10
1/2"	810-C	8-DCAP	10
5/8"	1010-C	10-DCAP	10
3/4"	1210-C	12-DCAP	10
1"	1610-C	16-DCAP	10

Plugs

Tube O.D.	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/4"	400-P	4-DFPLUG	10
3/8"	600-P	6-DFPLUG	10
1/2"	810-P	8-DFPLUG	10
5/8"	1010-P	10-DFPLUG	10
3/4"	1210-P	12-DFPLUG	10
1"	1610-P	16-DFPLUG	10

Compression Fittings

Applications
- For use with copper, aluminum, and Parflex thermoplastic tubing[1]
- Not recommended for steel tubing or applications using gaseous media

Features
- No flaring, soldering, or other preparation of tubing necessary to assemble
- Manufactured for connection to low and medium-pressure tubing connection work where excessive vibration or tube movement is not involved

Approvals
- UL listed for flammable liquid
- Compression fittings meet functional requirements of SAE J-512 and ASA

Assembly Instructions
1. Slide nut, then sleeve, onto tubing. The thread end of the nut must face outward.
2. Insert the tube into the fitting. Be sure the tube is bottomed on the fitting shoulder.
3. Assemble nut to body, then tighten hand-tight. Then follow the number of wrench turns as indicated in the table below.

Fitting Size	Tube O.D.	Tube Wall	Turns required to seal from hand-tight		PSI at 73°F (23°C)
			60C Series with soft metal tubing	60PT Series with thermoplastic tubing[1]	
2	1/8"	.030	1-1/4	---	**400**
3	3/16"		1-1/4	---	**400**
4	1/4"		1-1/4	2	**300**
5	5/16"	.032	1-1/4	2	**300**
6	3/8"		2-1/4	2	**200**
8	1/2"		2-1/4	2	**200**
10	5/8"	.035	2-1/4	2	**150**
12	3/4"		2-1/4	2	**100**
14	7/8"		2-1/4	---	**75**

[1] Acetal sleeves (60PT) and inserts (63PT) allow for standard compression fittings to be used with industrial grades of thermoplastic tubing.

Male Connectors

Feature
- Reference SAE 060102 BA

Tube O.D. Size	Pipe Thread	Brass Part #
1/8"	1/8"	68C-0202
3/16"	1/8"	68C-0302
	1/4"	68C-0304
1/4"	1/8"	68C-0402
	1/4"	68C-0404
	3/8"	68C-0406
	1/2"	68C-0408
5/16"	1/8"	68C-0502
	1/4"	68C-0504
3/8"	1/8"	68C-0602
	1/4"	68C-0604
	3/8"	68C-0606
	1/2"	68C-0608
7/16"	1/4"	68C-0704
1/2"	1/4"	68C-0804
	3/8"	68C-0806
	1/2"	68C-0808
5/8"	3/8"	68C-1006
	1/2"	68C-1008
	3/4"	68C-1012
3/4"	1/2"	68C-1208
	3/4"	68C-1212
7/8"	3/4"	68C-1412

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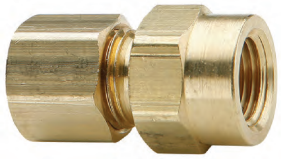
Compression Fittings

Female Connectors



Feature
- Reference SAE 060103 BA

Tube O.D. Size	Pipe Thread	Brass Part #
1/8"	1/8"	66C-0202
3/16"	1/8"	66C-0302
	1/4"	66C-0304
1/4"	1/8"	66C-0402
	1/4"	66C-0404
5/16"	1/8"	66C-0502
	1/4"	66C-0504
3/8"	1/8"	66C-0602
	1/4"	66C-0604
	3/8"	66C-0606
	1/2"	66C-0608
1/2"	1/4"	66C-0804
	3/8"	66C-0806
	1/2"	66C-0808
5/8"	1/2"	66C-1008

Unions

Feature
- Reference SAE 060101 BA

Tube O.D. Size	Brass Part #
1/8"	62C-02
3/16"	62C-03
1/4"	62C-04
5/16"	62C-05
3/8"	62C-06
7/16"	62C-07
1/2"	62C-08
5/8"	62C-10
3/4"	62C-12
7/8"	62C-14

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Union Reducers

Feature
- Reference SAE 060101 BA

Tube O.D. Size	Brass Part #
1/4" x 3/16"	62C-0403
3/8" x 1/4"	62C-0604
1/2" x 3/8"	62C-0806
5/8" x 3/8"	62C-1006

Bulkhead Unions

Tube O.D. Size	Brass Part #
1/4"	62CBH-04
3/8"	62CBH-06

Compression Fittings

Straight Thru Tank Fittings

Tube O.D. Size	Pipe Thread	Brass Part #
3/16"	1/8"	682C-0302
3/8"	3/8"	682C-0606
1/2"	1/2"	682C-0808

Female Elbows

Feature
- Reference SAE 060203 BA

Tube O.D. Size	Pipe Thread	Brass Part #
1/8"	1/8"	170C-0202
3/16"	1/8"	170C-0302
1/4"	1/8"	170C-0402
	1/4"	170C-0404
3/8"	1/4"	170C-0604
	3/8"	170C-0606
1/2"	3/8"	170C-0806

Male Elbows

Feature
- Reference SAE 060202 BA

Tube O.D. Size	Pipe Thread	Brass Part #
1/8"	1/8"	269C-0202
3/16"	1/8"	169C-0302
	1/4"	169C-0304
1/4"	1/8"	169C-0402
	1/4"	169C-0404
	3/8"	169C-0406
5/16"	1/8"	169C-0502
	1/4"	169C-0504
	3/8"	169C-0506
3/8"	1/8"	169C-0602
	1/4"	169C-0604
	3/8"	169C-0606
	1/2"	169C-0608
1/2"	1/4"	169C-0804
	3/8"	169C-0806
	1/2"	169C-0808
5/8"	1/2"	169C-1008
3/4"	1/2"	169C-1208
	3/4"	169C-1212

45° Elbows

Tube O.D. Size	Pipe Thread	Brass Part #
1/4"	1/8"	179C-0402
	1/4"	179C-0404
3/8"	1/4"	179C-0604
	3/8"	179C-0606
1/2"	3/8"	179C-0806

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Compression Fittings

Union Elbows

Feature

- Reference SAE 060201 BA, SAEJ-512

Tube O.D. Size	Brass Part #
1/8"	165C-02
3/16"	165C-03
1/4"	165C-04
5/16"	165C-05
3/8"	165C-06
1/2"	165C-08
5/8"	165C-10

Male Branch Tees

Feature

- Reference SAE 060425 BA, SAEJ-512

Tube O.D. Size	Pipe Thread	Brass Part #
1/8"	1/8"	172C-0202
3/16"	1/8"	172C-0302
1/4"	1/8"	172C-0402
	1/4"	172C-0404
3/8"	1/8"	172C-0602
	1/4"	172C-0604
	3/8"	172C-0606
1/2"	3/8"	172C-0806

Female Branch Tee

Tube O.D. Size	Pipe Thread	Brass Part #
1/4"	1/8"	177C-0402

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Union Tees

Feature

- Reference SAE 060401 BA, SAEJ-512

Tube O.D. Size 1 and 2	Tube O.D. Size 3	Brass Part #
1/8"	1/8"	164C-02
3/16"	3/16"	264C-03
1/4"	1/4"	164C-04
5/16"	5/16"	164C-05
3/8"	3/8"	164C-06
1/2"	1/2"	164C-08
5/8"	5/8"	164C-10

Compression Fittings

Male Run Tees

Feature
- Reference SAE 060424 BA

Tube O.D. Size	Pipe Thread	Brass Part #
3/16"	1/8"	171C-0302
1/4"		171C-0402
1/4"	1/4"	171C-0404
3/8"		171C-0604

Adapter Tee

Tube O.D. Size	Male Pipe Thread	Female Straight Thread	Brass Part #
1/4"	1/8"	7/16"-24	176C-0402

Seal Plug

Tube O.D. Size	Brass Part #
1/4"	639C-04

Inserts

Tube O.D. Size	Tube Wall Thickness	C230 Low-Lead Brass Part #	302 or 304 Stainless Steel Part #
1/8"	.016"	63PT-0216	---
	.023"	63PT-0223	---
3/16"	.040"	63PT-0340	---
1/4"	.010"	---	63PT-0440
	.062"	63PT-0462	---
5/16"	.040"	63PT-0540	---
	.062"	63PT-0562	---
3/8"	.015"	---	63PT-0662
1/2"	.020"	---	63PT-0862
5/8"	.062"	63PT-1062	---

NOTE: Acetal sleeves and brass inserts allow for standard compression fittings to be used with industrial grades of thermoplastic tubing.

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Brass Sleeves

Feature
- Reference SAE 060115

Tube O.D. Size	Brass Part #
1/8"	60C-02
3/16"	60C-03
1/4"	60C-04
5/16"	60C-05
3/8"	60C-06
7/16"	60C-07
1/2"	60C-08
5/8"	60C-10
3/4"	60C-12
7/8"	60C-14

Compression Fittings

Acetal Sleeves

Tube O.D. Size	Acetal Part #
1/4"	60PT-04
5/16"	60PT-05
3/8"	60PT-06
1/2"	60PT-08
5/8"	60PT-10

NOTE: Acetal sleeves and brass inserts allow for standard compression fittings to be used with industrial grades of thermoplastic tubing.

Nuts

Feature

- Reference SAE 060110

Tube O.D. Size	Straight Thread	Brass Part #
1/8"	5/16"-24	61C-02
3/16"	3/8"-24	61C-03
1/4"	7/16"-24	61C-04
5/16"	1/2"-24	61C-05
3/8"	9/16"-24	61C-06
7/16"	5/8"-24	61C-07
1/2"	11/16"-20	61C-08
5/8"	13/16"-18	61C-10
3/4"	1"-18	61C-12

Long Nuts

Feature

- Reference SAE 060111

Tube O.D. Size	Straight Thread	Brass Part #
1/4"	7/16"-24	61CL-04
5/16"	1/2"-24	61CL-05
3/8"	9/16"-24	61CL-06
1/2"	11/16"-20	61CL-08

P

Brass SAE 45° Flare Fittings

Applications
- For use with copper, brass, aluminum, and welded steel hydraulic tubing that can be flared
- For use with hard-to-hold liquids and gases

Features
- Economical fitting
- Resists mechanical pullout
- Easy to disassemble and may be reassembled repeatedly, for a leak-proof connection

Material
- Manufactured from CA 360, CA 345, or CA377 brass

Specification
- Temperature range: **-65°F** to **250°F (-54°C** to **121°C)**

Approvals
- Listed with UL for flammable liquid, marine, refrigeration, and gas applications, meets functional requirements of SAE J512 and J513, ASA, and MS (Military Standards)

Working Pressure Ranges
Temperature and type of tubing used are important factors. The following table is a general guide for proper selection. The **PSI** rating given is based on a temperature of **73°F (22°C)** using copper tubing.

PSI	Tube O.D.	Tube Wall
1,400	1/4"	.030
1,000	3/8"	.032
750	1/2"	.032
650	5/8"	.035
550	3/4"	.035

Assembly Instructions
1. Cut tubing squarely, and clean tube end thoroughly to remove burrs.
2. Place nut onto tube. Place threaded end of nut toward end of tube.
3. Flare tube end with flaring tool to provide 45° flare. (Flare tools are available. Please contact Dixon® for pricing and availability.)
4. Clamp tube flare between nut and nose of fitting body by screwing nut on finger-tight. Tighten with a wrench an additional 1/4 turn for a metal-to-metal seal.

Male Connectors

Feature
- Reference SAE 010102

Tube Size	Pipe Size	Straight Thread	Hex	Brass Part #
1/4"	1/4"	7/16"-20	9/16"	48F-4-4
	3/8"		11/16"	48F-4-6
	1/2"		7/8"	48F-4-8
3/8"	1/8"	5/8"-18	5/8"	48F-6-2
	1/4"		5/8"	48F-6-4
	3/8"		11/16"	48F-6-6
	1/2"		7/8"	48F-6-8
1/2"	1/4"	3/4"-16	3/4"	48F-8-4
	3/8"		3/4"	48F-8-6
	1/2"		7/8"	48F-8-8
5/8"	3/8"	7/8"-14	7/8"	48F-10-6
3/4"	3/4"	1-1/16"-14	1-1/16"	48F-12-12

Female Connectors

Feature
- Reference SAE 010103

Tube Size	Pipe Size	Straight Thread	Hex	Brass Part #
1/4"	1/4"	7/16"-20	11/16"	46F-4-4
3/8"	1/4"	5/8"-18	11/16"	46F-6-4
	3/8"	5/8"-18	13/16"	46F-6-6
	1/2"	5/8"-18	1"	46F-6-8
1/2"	1/4"	3/4"-16	3/4"	46F-8-4
	3/8"	3/4"-16	13/16"	46F-8-6
5/8"	3/8"	7/8"-14	7/8"	46F-10-6

Brass SAE 45° Flare Fittings

Unions

Feature
- Reference SAE 010101

Tube Size	Straight Thread	Hex	Brass Part #
1/4"	7/16"-20	7/16"	42F-4
3/8"	5/8"-18	5/8"	42F-6
1/2"	3/4"-16	3/4"	42F-8

Male Elbows

Feature
- Reference SAE 010202

Tube Size	Pipe Size	Straight Thread	Brass Part #
1/4"	1/8"	7/16"-20	149F-4-2
	1/4"		149F-4-4
	3/8"		149F-4-6
3/8"	1/4"	5/8"-18	149F-6-4
	3/8"		149F-6-6
	1/2"		149F-6-8
1/2"	1/4"	3/4"-16	149F-8-4
	3/8"		149F-8-6
	1/2"		149F-8-8
6/8"	1/2"	7/8"-14	149F-10-8
3/4"	3/4"	1-1/16"-14	149F-12-12

Female Elbows

Feature
- Reference SAE 010203

Tube Size	Pipe Size	Straight Thread	Brass Part #
1/4"	1/4"	7/16"-20	150F-4-4
3/8"	3/8"	5/8"-18	150F-6-6
	1/2"		150F-6-8

90° Swivel Elbows

Tube Size	Straight Thread	Brass Part #
1/4"	7/16"-20	166FSV-4-4
3/8"	5/8"-18	166FSV-6-6
1/2"	3/4"-16	166FSV-8-8

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Brass SAE 45° Flare Fittings

45° Elbows

Feature
- Reference SAE 010302

Tube Size	Pipe Size	Straight Thread	Brass Part #
1/4"	1/4"	7/16"-20	159F-4-4
3/8"	1/4"	5/8"-18	159F-6-4
	3/8"		159F-6-6
1/2"	1/4"	3/4"-16	159F-8-4
	3/8"		159F-8-6
	1/2"		159F-8-8

Union Tees

Feature
- Reference SAE 010401

Tube Size	Straight Thread	Brass Part #
1/4"	7/16"-20	144F-4
3/8"	5/8"-18	144F-6
1/2"	3/4"-16	144F-8

Short Nuts

Application
- Short nut for use when vibration is minimal

Feature
- Reference SAE 010110

Tube Size	Straight Thread	Hex	Brass Part #
1/4"	7/16"-20	9/16"	41FS-4
3/8"	5/8"-18	3/4"	41FS-6
1/2"	3/4"-16	7/8"	41FS-8

Long Nuts

Features
- Long nut offers additional vibration capacity
- Reference SAE 010111

Tube Size	Straight Thread	Hex	Brass Part #
1/4"	7/16"-20	9/16"	41FL-4
3/8"	5/8"-18	3/4"	41FL-6
1/2"	3/4"-16	7/8"	41FL-8

P

Flareless Bite Fittings

Applications
- Chemical, pulp and paper, oil and gas refineries, military, air compressors, and machine tools
- Well-suited for a variety of processing and general hydraulic applications

Features
- Ideally suited for use with tubing having medium to extra heavy wall thicknesses
- 3-piece design, with only one ferrule eliminates possible make-up errors that may occur using a twin ferrule tube fitting
- Minimal risk of improper assembly as the ferrule visibly bites into the tubing, allowing installer to visually inspect the bite quality

Specifications
- Fittings are suitable for sub-zero through elevated temperature applications
- Temperature rating is limited by the material chosen
- Pressure ratings are determined by the size (O.D.) and wall thickness (inches/mm) of the tubing on which they are to be installed

Approvals
- Exceeds Military (MIL F18866) and SAE J514 standards

Assembly Instructions
- Cut, deburr, and clean tubing
- Pre-set ferrule onto tubing
- Inspect ferrule bite in tubing by disassembling the fitting and visually inspecting the deburred end of tube for slight indentation
- Finger tighten nut and then further wrench tighten nut another 1/3 to 1/2 turn

P

Male Tube x Male NPTF Adapters

Tube O.D.	Male NPTF	Steel Part #
1/8"	1/8"	FLC2404-02
	1/4"	FLC2404-02-04
3/16"	1/8"	FLC2404-03-02
1/4"	1/8"	FLC2404-04-02
	1/4"	FLC2404-04
	3/8"	FLC2404-04-06
	1/2"	FLC2404-04-08
5/16"	1/8"	FLC2404-05-02
	1/4"	FLC2404-05-04
3/8"	1/8"	FLC2404-06-02
	1/4"	FLC2404-06-04
	3/8"	FLC2404-06
	1/2"	FLC2404-06-08
1/2"	1/4"	FLC2404-08-04
	3/8"	FLC2404-08-06
	1/2"	FLC2404-08
	3/4"	FLC2404-08-12
5/8"	3/8"	FLC2404-10-06
	1/2"	FLC2404-10-08
	3/4"	FLC2404-10-12
3/4"	1/2"	FLC2404-12-08
	3/4"	FLC2404-12
	1"	FLC2404-12-16
1"	3/4"	FLC2404-16-12
	1"	FLC2404-16
	1-1/4"	FLC2404-16-20
1-1/4"	3/4"	FLC2404-20-12
	1-1/4"	FLC2404-20
1-1/2"	1-1/2"	FLC2404-24

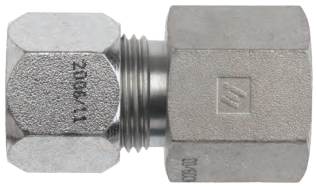
Male Tube x Male 37° JIC

Tube O.D.	Male 37° JIC	Steel Part #
1/4"	1/4"	FLC2402-04-04
3/8"	3/8"	FLC2402-06-06
1/2"	1/2"	FLC2402-08-08
3/4"	3/4"	FLC2402-12-12

Flareless Bite Fittings

Male Tube x Female NPTF Adapters

Tube O.D.	Female NPTF	Steel Part #
1/8"	1/8"	FLC2405-02
1/4"	1/8"	FLC2405-04-02
	1/4"	FLC2405-04
5/16"	1/8"	FLC2405-05-02
3/8"	1/4"	FLC2405-06-04
	3/8"	FLC2405-06
1/2"	1/4"	FLC2405-08-04
	3/8"	FLC2405-08-06
	1/2"	FLC2405-08
5/8"	1/2"	FLC2405-10-08
3/4"	3/4"	FLC2405-12
1"	1"	FLC2405-16
1-1/4"	1-1/4"	FLC2405-20

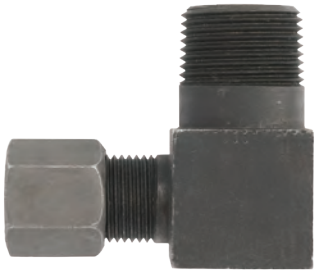


Tube Unions

Tube O.D.	Steel Part #
1/8"	FLC2403-02
3/16"	FLC2403-03
1/4"	FLC2403-04
5/16"	FLC2403-05
3/8"	FLC2403-06
1/2"	FLC2403-08
5/8"	FLC2403-10
3/4"	FLC2403-12
1"	FLC2403-16
1-1/4"	FLC2403-20
1-1/2"	FLC2403-24

Male Tube x Male NPTF Adapter 90° Elbows

Tube O.D.	Male NPTF	Steel Part #
1/8"	1/8"	FLC2501-02
3/16"	1/8"	FLC2501-03-02
1/4"	1/8"	FLC2501-04-02
	1/4"	FLC2501-04
	3/8"	FLC2501-04-06
5/16"	1/8"	FLC2501-05-02
	1/4"	FLC2501-05-04
3/8"	1/8"	FLC2501-06-02
	1/4"	FLC2501-06-04
	3/8"	FLC2501-06
	1/2"	FLC2501-06-08
1/2"	1/4"	FLC2501-08-04
	3/8"	FLC2501-08-06
	1/2"	FLC2501-08
	3/4"	FLC2501-08-12
5/8"	3/8"	FLC2501-10-06
	1/2"	FLC2501-10-08
3/4"	1/2"	FLC2501-12-08
	3/4"	FLC2501-12
1"	3/4"	FLC2501-16-12
	1"	FLC2501-16
1-1/4"	1-1/4"	FLC2501-20
1-1/2"	1-1/2"	FLC2501-24



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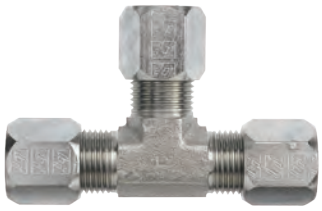
Flareless Bite Fittings

Male Union 90° Elbows

Tube O.D.	Steel Part #
1/4"	FLC2500-04
5/16"	FLC2500-05
3/8"	FLC2500-06
1/2"	FLC2500-08
5/8"	FLC2500-10
3/4"	FLC2500-12
1"	FLC2500-16
1-1/4"	FLC2500-20



Male Tube Union Tees

Tube O.D.	Steel Part #
1/8"	FLC2603-02
3/16"	FLC2603-03
1/4"	FLC2603-04
5/16"	FLC2603-05
3/8"	FLC2603-06
1/2"	FLC2603-08
5/8"	FLC2603-10
3/4"	FLC2603-12
1"	FLC2603-16
1-1/4"	FLC2603-20

Ferrules

Tube O.D.	Steel Part #
1/8"	FLC0319-02
3/16"	FLC0319-03
1/4"	FLC0319-04
5/16"	FLC0319-05
3/8"	FLC0319-06
1/2"	FLC0319-08
5/8"	FLC0319-10
3/4"	FLC0319-12
1"	FLC0319-16
1-1/4"	FLC0319-20
1-1/2"	FLC0319-24

Nuts

Tube O.D.	Steel Part #
1/8"	FLC0318-02
3/16"	FLC0318-03
1/4"	FLC0318-04
5/16"	FLC0318-05
3/8"	FLC0318-06
1/2"	FLC0318-08
5/8"	FLC0318-10
3/4"	FLC0318-12
1"	FLC0318-16
1-1/4"	FLC0318-20
1-1/2"	FLC0318-24

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LIQUIfit™ Fittings

Applications

- Suitable for water, potable liquids, and neutral gas applications: including water filtration, water coolers, coffee machines, and beverage dispensers

Features

- EPDM seal secures connection with larger surface area than standard O-rings
- Engineered polymer allows superior mechanical strength and chemical resistance
- Full stainless gripping ring eliminates the need for locking clips
- Release button protects and supports tubing

Approvals

- FDA compliant
- Meets California and Vermont <0.25% lead requirements
- NSF-51 listed for contact with food
- NSF-61 list C-Hot rated

Specifications

- Working pressure:
  - 1/4" **230 PSI** from **35°F** to **100°F (1.7°C to 38°C)**
    150 PSI at **150°F (66°C)**
    60 PSI at **200°F (93°C)**
  - 3/8" **190 PSI** from **35°F** to **100°F (1.7°C to 38°C)**
    100 PSI at **150°F (66°C)**
    60 PSI at **200°F (93°C)**
  - 1/2" **160 PSI** from **35°F** to **100°F (1.7°C to 38°C)**
    100 PSI at **150°F (66°C)**
    60 PSI at **200°F (93°C)**
- Maximum torque values for NPTF threads:
  - 1/8" and 1/4" 1.0 ft. lbs./1.5Nm
  - 3/8" and 1/2" 2.2 ft. lbs./3.0Nm

Male Connectors

Tube O.D.	Male NPTF	Nylon Part #	Pkg Qty
1/4"	1/8"	65055611WP2	10
	1/4"	65055614WP2	10
3/8"	1/4"	65056014WP2	10
	3/8"	65056018WP2	10
1/2"	3/8"	65056218WP2	5
	1/2"	65056222WP2	5

Female Connectors

Tube O.D.	Female NPTF	Nylon Part #	Pkg Qty
1/4"	1/4"	63155614WP2	10
3/8"	3/8"	63156018WP2	10

Faucet Connectors

Tube O.D.	Female UNS	Nylon Part #	Pkg Qty
1/4"	7/16"-24	632556133WP2	10
3/8"		632560133WP2	10

Fixed Elbows

Tube O.D.	Male NPTF	Nylon Part #	Pkg Qty
1/4"	1/8"	65795611WP2	10
	1/4"	65795614WP2	10
	3/8"	65795618WP2	10
3/8"	1/4"	65796014WP2	10
	3/8"	65796018WP2	10

LIQUIfit™ Fittings

Union Elbows

Tube O.D.	Nylon Part #	Pkg Qty
1/4"	63025600WP2	10
3/8"	63026000WP2	10
1/2"	63026200WP2	5

Union Tees

Tube O.D.	Nylon Part #	Pkg Qty
1/4"	63045600WP2	10
3/8"	63046000WP2	10
1/2"	63046200WP2	5

Union Connectors

Tube O.D. (1)	Tube O.D. (2)	Nylon Part #	Pkg Qty
1/4"	1/4"	63065600WP2	10
	3/8"	63065660WP2	10
3/8"	3/8"	63066000WP2	10
	1/2"	63066062WP2	5
1/2"	1/2"	63066200WP2	5

Unequal Union Tee

Branch Tube O.D. (1)	Run Tube O.D. (2)	Nylon Part #	Pkg Qty
1/4"	3/8"	63046056WP2	10

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Bulkhead Unions

Tube O.D.	Nylon Part #	Pkg Qty
1/4"	63165600WP2	10
3/8"	63166000WP2	10
1/2"	63166200WP2	5

Union Y Connectors

Tube O.D.	Nylon Part #	Pkg Qty
1/4"	63405600WP2	10
3/8"	63406000WP2	10
1/2"	63406200WP2	5

LIQUIfit™ Fittings

Swivel Elbows

Tube O.D.	Male NPTF	Nylon Part #	Pkg Qty
1/4"	1/8"	65095611WP2	10
	1/4"	65095614WP2	10
	3/8"	65095618WP2	10
3/8"	1/4"	65096014WP2	10
	3/8"	65096018WP2	10
1/2"	3/8"	65096218WP2	4
	1/2"	65096222WP2	4

Swivel Branch Tees

Tube O.D.	Male NPTF	Nylon Part #	Pkg Qty
1/4"	1/8"	65085611WP2	10
	1/4"	65085614WP2	10
	3/8"	65085618WP2	10
3/8"	1/4"	65086014WP2	10
	3/8"	65086018WP2	10

Swivel Male Run Tees

Tube O.D.	Male NPTF	Nylon Part #	Pkg Qty
1/4"	1/8"	65035611WP2	10
	1/4"	65035614WP2	10
	3/8"	65035618WP2	10
3/8"	1/4"	65036014WP2	10
	3/8"	65036018WP2	10

Stem Adapters

Tube O.D.	Male NPTF	Nylon Part #	Pkg Qty
1/4"	1/4"	65215614WP2	10
	3/8"	65215618WP2	10
3/8"	1/4"	65216014WP2	10
	3/8"	65216018WP2	10
1/2"	3/8"	65216218WP2	5
	1/2"	65216222WP2	5

End Stops

Tube O.D.	Nylon Part #	Pkg Qty
1/4"	63515600WP2	10
3/8"	63516000WP2	10

Plugs

Tube O.D.	Nylon Part #	Pkg Qty
1/4"	63265600WP2	10
3/8"	63266000WP2	10
1/2"	63266200WP2	5

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LIQUIfit™ Fittings

Hose Stems

Tube O.D.	Stem	Nylon Part #	Pkg Qty
1/4"	1/4"	63225656WP2	10
3/8"	1/4"	63226056WP2	10
	5/16"	63226008WP2	10
	3/8"	63226060WP2	10
1/2"	3/8"	63226260WP2	10

Plug-in Reducers

Tube O.D.	Plug-in	Nylon Part #	Pkg Qty
1/4"	5/16"	63665608WP2	10
1/4"	3/8"	63665660WP2	10
3/8"	1/2"	63666062WP2	5

Plug-in Elbows

Tube O.D.	Plug-in	Nylon Part #	Pkg Qty
1/4"	1/4"	63825600WP2	10
3/8"	3/8"	63826000WP2	10
1/2"	1/2"	63826200WP2	5

Plug-in Tees

Tube O.D.	Plug-in	Nylon Part #	Pkg Qty
1/4"	1/4"	63885600WP2	10
3/8"	3/8"	63886000WP2	10
1/2"	1/2"	63886200WP2	5

TrueSeal™ Ball Valves

Applications
- These corrosion-resistant, all-plastic designed ball valves are ideal for water filtration units, coffee and beverage machines, and a wide variety of other fluid applications

Features
- Special O-ring seal ensures a reliable leak-tight connection
- Full flow design reduces pressure drop across the valve
- Bi-directional flow maximizes productivity
- Precision molded, all-plastic design is leak free and corrosion resistant

Material
- O-ring seal material: EPDM

Specifications
- Temperature range: **35°F** to **200°F (2°C** to **93°C)**
- Maximum operating pressure: **150 PSI**
- Actual working pressures will be lower at elevated temperatures

Approvals
- FDA compliant
- NSF/ANSI-51 listed for contact with food
- Certified to NSF/ANSI-61

Tube to Male NPTF

Tube O.D.	Male NPTF	Polypropylene Part #	Pkg Qty
1/4"	1/4"	PP4VMC4-MG	10
	3/8"	PP4VMC6-MG	10
3/8"	1/4"	PP6VMC4-MG	10
	3/8"	PP6VMC6-MG	10

Tube to Female NPTF

Tube O.D.	Female NPTF	Polypropylene Part #	Pkg Qty
1/4"	1/8"	PP4VFC2-MG	10
	1/4"	PP4VFC4-MG	10
	3/8"	PP4VFC6-MG	10
3/8"	1/8"	PP6VFC2-MG	10
	1/4"	PP6VFC4-MG	10
	3/8"	PP6VFC6-MG	10

Tube to Male NPTF Elbows

Tube O.D.	Male NPTF	Polypropylene Part #	Pkg Qty
1/4"	1/4"	PP4VME4-MG	10
	3/8"	PP4VME6-MG	10
	1/2"	PP4VME8-MG	10
3/8"	1/4"	PP6VME4-MG	10
	3/8"	PP6VME6-MG	10
	1/2"	PP6VME8-MG	10

Tube to Female NPTF Elbows

Tube O.D.	Female NPTF	Polypropylene Part #	Pkg Qty
1/4"	1/4"	PP4VFE4-MG	10
	3/8"	PP4VFE6-MG	10
3/8"	1/4"	PP6VFE4-MG	10
	3/8"	PP6VFE6-MG	10

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TrueSeal™ Ball Valves

Tube to Tube Unions

Tube O.D. 1	Tube O.D. 2	Polypropylene Part #	Pkg Qty
1/4"	1/4"	PP4VUC4-MG	10
3/8"	1/4"	PP4VUC6-MG	10
3/8"	3/8"	PP6VUC6-MG	10

Tube to Tube Elbow Unions

Tube O.D. 1	Tube O.D. 2	Polypropylene Part #	Pkg Qty
1/4"	1/4"	PP4VEU4-MG	10
	3/8"	PP4VEU6-MG	10
3/8"	1/4"	PP6VEU4-MG	10
	3/8"	PP6VEU6-MG	10

Tube to Plug-in Elbow Unions

Tube O.D.	Stem	Polypropylene Part #	Pkg Qty
1/4"	3/8"	PP4VTEU6-MG	10
3/8"	3/8"	PP6VTEU6-MG	10

TrueSeal™ Check Valves

Applications

Push-to-connect check valves ensure protection against reversal of flow. The valves have an arrow molded into the body to indicate the direction of flow. Valves are designed for connection with either thermoplastic or soft metal tubing and are intended for use with liquids only.

Materials

- Body material: acetal
- O-ring: EPDM
- Metal grip edge: 300 stainless steel

Specifications

- Maximum operating pressure: **150 PSI** (dependent on tubing used)
- Temperature range: **34°F** to **150°F (1°C** to **65°C)**
- Cracking pressure: **1/3 PSI**

Approvals

- NSF-51 listed

Tube O.D.	Acetal Part #	Pkg Qty
1/4"	A4VC4-MG	25
3/8"	A6VC6-MG	25

Sight Flow Indicators

New

Threaded and Flanged

Application
- View the material flow direction, color, and clarity in fluid processes

Features
- Reliable O-ring lens seal
- Maintenance-free design
- Easy to install

Materials
- Indicator materials: Delrin®, Ryton®, or PTFE
- Body material: 316 stainless steel
- Glass: tempered borosilicate
- Seal materials: neoprene (14-Series standard), fluorocarbon (15-Series standard), nitrile rubber, PTFE
- Connections: ASME B1.20 FNPT or ASME B16.5 150# flange

Specifications
- Max pressure: 14-Series **200 PSIG** at **150°F (66°C)**; 15-Series **400 PSIG** at **150°F (66°C)**
- Max temperature: 14-Series **250 PSIG** at **135°F (57°C);** 15-Series **400 PSIG** at **160°F (71°C)**

Propeller: standard, unidirectional flow

Flapper: Bi-directional, shows direction of flow

Plain: no indicator, use for color and transparency of liquid, bi-directional flow

NOTE: Part numbers and repair kits on page 1010.

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Standard Part Number List

Size	End Connections	Indicator Type	Part #	Indicator Material	Seals	Part #	Indicator Material	Seals
			14-Series			15-Series		
1/2"	NPT	none	DB14SS00N-005NP	none	neoprene	DB15SS00N-005VI	none	FKM
3/4"			DB14SS00N-007NP			DB15SS00N-007VI		
1"			DB14SS00N-010NP			DB15SS00N-010VI		
1-1/2"			DB14SS00N-015NP			DB15SS00N-015VI		
2"			DB14SS00N-020NP			DB15SS00N-020VI		
1/2"	NPT	propeller	DB14SS1DN-005NP	Delrin®	neoprene	DB15SS1RN-005VI	Ryton®	FKM
3/4"			DB14SS1DN-007NP			DB15SS1RN-007VI		
1"			DB14SS1DN-010NP			DB15SS1RN-010VI		
1-1/2"			DB14SS1DN-015NP			DB15SS1RN-015VI		
2"			DB14SS1DN-020NP			DB15SS1RN-020VI		
1/2"	NPT	flapper	DB14SS2DN-005NP	Delrin®	neoprene	DB15SS2RN-005VI	Ryton®	FKM
3/4"			DB14SS2DN-007NP			DB15SS2RN-007VI		
1"			DB14SS2DN-010NP			DB15SS2RN-010VI		
1-1/2"			DB14SS2DN-015NP			DB15SS2RN-015VI		
2"			DB14SS2DN-020NP			DB15SS2RN-020VI		
1/2"	150# flanged	none	DB14SS00F-005NP	none	neoprene	DB15SS00F-005VI	none	FKM
3/4"			DB14SS00F-007NP			DB15SS00F-007VI		
1"			DB14SS00F-010NP			DB15SS00F-010VI		
1-1/2"			DB14SS00F-015NP			DB15SS00F-015VI		
2"			DB14SS00F-020NP			DB15SS00F-020VI		
1/2"	150# flanged	propeller	DB14SS1DF-005NP	Delrin®	neoprene	DB15SS1RF-005VI	Ryton®	FKM
3/4"			DB14SS1DF-007NP			DB15SS1RF-007VI		
1"			DB14SS1DF-010NP			DB15SS1RF-010VI		
1-1/2"			DB14SS1DF-015NP			DB15SS1RF-015VI		
2"			DB14SS1DF-020NP			DB15SS1RF-020VI		
1/2"	150# flanged	flapper	DB14SS2DF-005NP	Delrin®	neoprene	DB15SS2RF-005VI	Ryton®	FKM
3/4"			DB14SS2DF-007NP			DB15SS2RF-007VI		
1"			DB14SS2DF-010NP			DB15SS2RF-010VI		
1-1/2"			DB14SS2DF-015NP			DB15SS2RF-015VI		
2"			DB14SS2DF-020NP			DB15SS2RF-020VI		

Call Dixon® customer service regarding special applications.

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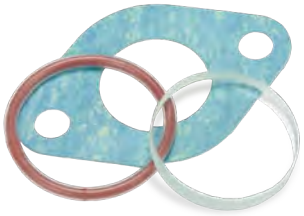
Repair Kits



Series	Description	Part #
14	1/2": includes glass, O-Ring, and gasket	DB14SS-005-RK1
	3/4" and 1": includes glass, O-Ring, and gasket	DB14SS-010-RK1
	1-1/2" and 2": includes glass, O-Ring, and gasket	DB14SS-020-RK1
15	1/2": includes glass, O-Ring, and gasket	DB15SS-005-RK1
	3/4" and 1": includes glass, O-Ring, and gasket	DB15SS-010-RK1
	1-1/2" and 2": includes glass, O-Ring, and gasket	DB15SS-020-RK1

Tubing 1012-1016

PVC 1012
PVC braided 1013
DOT air brake tubing rolls 1013
Polyurethane 1014
Polyethylene 1014
Nylon 1015
Polyurethane – 95 durometer 1015
Fluoropolymer FEP 140 1015
PVC tubing and hose cutters 1016

Plastic Fittings 1017-1024

Hose shank x male NPT inserts 1017
Tuff-Lite® 1017
- Hose shank x male NPT insert 1017
- Hose shank x female NPT insert 1018
- Female 45°SAE/37°JIC swivel x hose barb 1018
- Short shank x female NPSM coupling 1018

Tuff-Lite – reducing bushings 1018
Tuff-Lite 1019
- 90° hose barb elbow x male NPT 1019
- 90° hose barb elbow x female NPT 1019
- Hose barb x 90° hose barb elbow 1019
- Hose run x male NPT branch tee 1020
- Hose run x hose branch tee 1020
- Menders 1020
- Short shank female GHT couplings 1021
- Short shank male GHT couplings 1021
- Male GHT x female NPT adapter 1021
- Female GHT x male NPT adapter 1021
- Female GHT x female NPT adapter 1022
- Male GHT x male NPT adapter 1022
- Male GHT x 90° hose barb elbow 1022
- GHT x male NPT elbow 1022
- Push-on hose shank x male NPT insert 1023
- Push-on hose shank x female NPT insert 1023
- Push-on hose menders 1023
- Black SBR washers 1024
- Black EPDM garden hose washers 1024
- Red vinyl GHT washer 1024
- White rubber GHT washer 1024

Q

PVC Tubing

Application
- For use with standard shank fittings in low-pressure liquid and pneumatic applications

Domestic

Application
- For non-critical hospital use such as suction and draining

Features
- Made from non-toxic ingredients conforming to FDA standards
- Phthalate, DEHP, and BPA free
- Shipped in individually boxed bundles, sold only in lengths shown below

Specification
- Maximum temperature: **175°F (79°C)**

Approvals
- Finished product meets USP class VI
- NSF-51 certified
- Reach and RoHS compliant
- Raw materials meet California Proposition 65

Size		Working Pressure PSI at 70°F (21°C)	Length	Clear PVC Part #
O.D.	I.D.			
5/16"	3/16"	**106**	100'	CL0305
3/8"	1/4"	**85**		CL0406
1/2"	1/4"	**141**		CL0408
7/16"	5/16"	**71**		CL0507
1/2"	3/8"	**70**		CL0608
5/8"	3/8"	**111**		CL0610
5/8"	1/2"	**52**		CL0810
3/4"	1/2"	**85**		CL0812
7/8"	5/8"	**71**		CL1014
1"	3/4"	**61**		CL1216
1-1/4"	1"	**42**		CL1620
1-3/4"	1-1/4"	**71**	50'	CL2028-50
2"	1-1/2"	**61**		CL2432-50

Imported

Feature
- Shipped in bundles wrapped with PVC film, sold only in lengths shown below

Specification
- Temperature range: **14°F** to **149°F (-10°C** to **65°C)**

Size		Working Pressure PSI at 72°F (22°C)	Length	Clear PVC Part #
O.D.	I.D.			
3/8"	1/4"	**50**	100'	ICL0406
1/2"	3/8"	**35**		ICL0608
5/8"	1/2"	**35**		ICL0810
3/4"	1/2"	**50**		ICL0812
1"	3/4"	**35**		ICL1216
1-1/4"	1"	**30**		ICL1620
2"	1-1/2"	**15**	50'	ICL2432

PVC Braided Tubing

Application
- For use with standard shank fittings in low-pressure liquid and pneumatic applications

Domestic

Features
- High grade tensile strength polyester yarn reinforcement
- Shipped in coils, sold only in lengths shown below

Specification
- Temperature range: **27°F** to **150°F (-3C** to **66°C)**

Size		Working Pressure PSI at 72°F (22°C)	Length	Clear PVC Part #
O.D.	I.D.			
.625"	3/8"	**265**	300'	BR0609
.728"	1/2"	**215**		BR0812
.906"	5/8"	**200**		BR1014
1.024"	3/4"	**150**		BR1218
1.732"	1-1/4"	**110**	100'	BR2027
1.950"	1-1/2"	**90**		BR2431

Imported

Features
- For various machine tools and the transportation of chemicals
- Shipped in bundles wrapped with PVC film, sold only in lengths shown below

Specification
- Temperature range: **14°F** to **149°F (-10°C** to **65°C)**

Size		Working Pressure PSI at 72°F (22°C)	Length	Clear PVC Part #
O.D.	I.D.			
1/2"	1/4"	**142**	300'	IBR0446
5/8"	3/8"	**114**		IBR0609
3/4"	1/2"	**100**		IBR0812
1-1/16"	3/4"	**71**		IBR1218
1-5/16"	1"	**71**	200'	IBR1621

DOT Air Brake Tubing Rolls

Feature
- Tubing cutters sold on page 1016

Specifications
- Working pressure: **150 PSI**
- Temperature range: **-40°F** to **200°F (-40°C** to **93°C)**

Approval
- Meets Department of Transportation FMVSS-106 nylon material conforming to SAE J844

Tube Size	Tubing Color	Length	Nylon Part #
1/4"	black	100'	J844-04-BL-100
	blue		J844-04-B-100
	red		J844-04-R-100
3/8"	black		J844-06-BL-100
	blue		J844-06-B-100
	red		J844-06-R-100
1/2"	black		J844-08-BL-100
5/8"	black		J844-10-BL-100
3/4"	black		J844-12-BL-100

Polyurethane Tubing

Application
- For use with the push-in fittings sold on pages 250-262

Specification
- Temperature range: **-40°F** to **165°F (-40°C** to **74°C)**

Features
- Naturally transparent
- Excellent memory, flexibility, and resistance to kinking
- Good resistance to fuels and oils
- Low gas and vapor permeability
- High compressive strength
- Low compressive set and extractability levels
- Outstanding abrasion resistance

Size		Wall	Working Pressure	Length	Polyurethane
O.D.	I.D.	Thickness	PSI at 75°F (24°C)		Part #
1/8"	.062"	.0295"	**255**	250'	04063
5/32"	.094"	.0315"	**210**	100'	05094
1/4"	.160"	.0450"	**175**		08160
3/8"	.245"	.0650"	**170**		12250
1/2"	.320"	.0900"	**175**	50'	16320

Polyethylene Tubing

Application
- For use with the push-in fittings sold on pages 250-262

Features
- Flexible, lightweight, low-density polyethylene (LLDPE) tubing
- For use with plastic or metal inserts with outer sleeve, ferrule, or clamps
- Formulated to resist stress cracking
- Glossy finish

Specification
- Temperature range: **-50°F** to **140°F (-46°** to **60°C)**

Approvals
- NSF61 certified for potable water
- UV stabalized
- Designed for FDA applications, complies with 21CFR 177.1520 (c) food contact

Size		Wall	Working Pressure	Length	Tubing	Polyethylene
O.D.	I.D.	Thickness	PSI at 75°F (24°C)		Color	Part #
1/4"	.125"	.062"	**350**	100'	natural	0804
1/4"	.170"	.040"	**150**		natural	0817
1/4"	.170"	.040"			blue	0817BL100
3/8"	.250"	.062"			natural	1208
1/2"	.375"	.062"	**125**		natural	1612

Size		Wall	Working Pressure	Length	Tubing	Polyethylene
O.D.	I.D.	Thickness	PSI at 75°F (24°C)		Color	Part #
1/4"	.170"	.040"	**150**	500'	blue	0817BL
1/4"	.170"	.040"			black	0817BR
1/4"	.170"	.040"			natural	0817CR
3/8"	.250"	.062"			black	1208BR
3/8"	.250"	.062"			natural	1208CR

Nylon Tubing

Application
- For use with the push-in fittings sold on pages 250-262

Features
- Naturally transparent
- Recommended for applications requiring low density, lightweight toughness, flexibility, and chemical resistance
- Packaged in plastic bags

Specification
- Temperature range: **-40°F** to **180°F (-40°C** to **82°C)**

Size		Wall	Working Pressure	Length	Nylon
O.D.	I.D.	Thickness	PSI at 75°F (24°C)		Part #
1/8"	.093"	.016"	**270**	100'	04093
5/32"	.106"	.025"	**350**		05106
3/16"	.138"	.025"	**260**		06138
1/4"	.170"	.040"	**330**		08170
1/4"	.180"	.035"	**290**		08180
3/8"	.275"	.050"	**250**		12275
1/2"	.375"	.062"	**240**		16375

NOTE: Tubing cutters sold on page 1003

Nylon Tubing

Application
- Ideal for many industrial applications

Features
- Chemical, humidity, and abrasion resistant
- Semi rigid

Specifications
- Temperature range: **-60°F** to **200°F (-51°C** to **93°C)**

Size		Wall	Working Pressure	Length	Natural Nylon	Black Nylon	Blue Nylon
O.D.	I.D.	Thickness	PSI at 68°F (20°C)		Part #	Part #	Part #
1/8"	.093"	.016"	**270**	50'	NY02093N-50	NY02093K-50	NY02093B-50
5/32"	.106"	.025"	**350**		NY25106N-50	NY25106K-50	NY25106B-50
3/16"	.138"	.025"	**260**		NY03138N-50	NY03138K-50	---
1/4"	.170"	.040"	**330**		NY04170N-50	NY04170K-50	NY04170B-50
5/16"	.233"	.040"	**240**		NY05232N-50	NY05232K-50	NY05232B-50
3/8"	.275"	.050"	**250**		NY06275N-50	NY06275K-50	NY06275B-50
1/2"	.375"	.062"	**240**		NY08375N-50	NY08375K-50	NY08375B-50

Size		Wall	Working Pressure	Length	Natural Nylon	Black Nylon	Blue Nylon
O.D.	I.D.	Thickness	PSI at 68°F (20°C)		Part #	Part #	Part #
1/8"	.093"	.016"	**270**	100'	NY02093N-100	NY02093K-100	NY02093B-100
5/32"	.106"	.025"	**350**		NY25106N-100	NY25106K-100	NY25106B-100
3/16"	.138"	.025"	**260**		NY03138N-100	NY03138K-100	---
1/4"	.170"	.040"	**330**		NY04170N-100	NY04170K-100	NY04170B-100
5/16"	.233"	.040"	**240**		NY05232N-100	NY05232K-100	NY05232B-100
3/8"	.275"	.050"	**250**		NY06275N-100	NY06275K-100	NY06275B-100
1/2"	.375"	.062"	**240**		NY08375N-100	NY08375K-100	NY08375B-100

Polyurethane – 95 Durometer Tubing

Application
- Good for applications where space is tight; for applications where tubing will be exposed, black tubing is recommended

Feature
- High flexibility and a small bend radius

Specification
- Temperature range: **-40°F** to **165°F (-40°C** to **74°C)**

Size		Wall	Working Pressure	Length	Clear Polyurethane	Black Polyurethane	Blue Polyurethane
O.D.	I.D.	Thickness	PSI at 75°F (24°C)		Part #	Part #	Part #
1/8"	.062"	.031"	**255**	50'	PU02001TC-50	PU02001K-50	PU02001B-50
5/32"	.093"	.031"	**210**		PU25005TC-50	PU25005K-50	PU25005B-50
1/4"	.160"	.045"	**175**		PU04160TC-50	PU04160K-50	PU04160B-50
5/16"	.216"	.049"	**190**		PU80050TC-50	PU80050K-50	PU80050B-50
3/8"	.250"	.066"	**170**		PU06004TC-50	PU06004K-50	PU06004B-50
1/2"	.320"	.090"	**175**		PU08320TC-50	PU08320K-50	PU08320B-50

Size		Wall	Working Pressure	Length	Clear Polyurethane	Black Polyurethane	Blue Polyurethane
O.D.	I.D.	Thickness	PSI at 75°F (24°C)		Part #	Part #	Part #
1/8"	.062"	.031"	**255**	100'	PU02001TC-100	PU02001K-100	PU02001B-100
5/32"	.093"	.031"	**210**		PU25005TC-100	PU25005K-100	PU25005B-100
1/4"	.160"	.045"	**175**		PU04160TC-100	PU04160K-100	PU04160B-100
5/16"	.216"	.049"	**190**		PU80050TC-100	PU80050K-100	PU80050B-100
3/8"	.250"	.066"	**170**		PU06004TC-100	PU06004K-100	PU06004B-100
1/2"	.320"	.090"	**175**		PU08320TC-100	PU08320K-100	PU08320B-100

Fluoropolymer FEP 140 Tubing

Application
- Provides excellent resistance to aggressive and corrosive agents and high temperatures

Approval
- FDA compliant materials

Specification
- Temperature range: **-100°F (-73°C)** to **400°F (204°C)**

Size		Wall	Working Pressure	Length	Clear Fluoropolymer
O.D.	I.D.	Thickness	PSI at 72°F (22°C)		Part #
1/8"	.062"	.031"	**500**	25'	1092T5300
1/4"	.170"	.031"	**165**		1092T5600
3/8"	.300"	.062"	**249**		1092T6000
1/2"	.420"	.062"	**165**		1092T6200

PVC Tubing and Hose Cutters

Application
- Rugged construction cuts up to 3/4" tubing or hose

Feature
- Corrosion resistant hardened steel blade ensures straight, crisp cuts for optimum fit

Part #
TC97
TC97RB (replacement blade)

Application
- Cuts low-pressure fabric reinforced hose up to 1" O.D.

Feature
- Reversible blade

Part #
HC90
HC90RB (replacement blade)

Application
- Cuts hose and tubing up to 1-7/8" O.D.

Materials
- Tough fiberglass reinforced handle
- Stainless steel blade

Part #
LHC95
LHC95RB (replacement blade)

Q

Hose Shank x Male NPT Inserts

Size	Nylon Part #	Pkg Qty	Polypropylene Part #	Pkg Qty
1-1/4"	THN15	25	---	---
1-1/2"	THN20	25	HB150	24
2"	THN25	25	HB200	24
3"	THN35	10	HB300	24
4"	---	---	HB400	12

nylon

polypropylene

Tuff-Lite®

Hose Shank x Male NPT Insert

Nylon Features

- Nylon fittings should not be used with acid-based fertilizers, bromine, chlorine, fluorine, hydrochloric acid, iodine, nitric acid, phosphoric acid, sulfuric acid, or xylene
- Nylon should not be used with compressed gas
- Fittings are white

Polypropylene Features

- Polypropylene fittings should not be used with aromatic hydrocarbons, carbon tetra-chloride, gasoline, hexane, kerosene, nitric acid, sodium hydrochlorite, toluene, trichloroethylene, or xylene
- Polypropylene should not be used with compressed gas
- Fittings are black

Hose Size	Male NPT	Nylon Part #	Pkg Qty	Polypropylene Part #	Pkg Qty
1/4"	1/8"	TN21	50	PPN21	50
	1/4"	TN22	50	PPN22	50
	3/8"	TN23	50	PPN23	50
	1/2"	TN24	50	PPN24	50
	3/4"	TN26	50	---	---
	1"	TN28	25	---	---
5/16"	1/4"	TN252	50	---	---
3/8"	1/8"	TN31	50	PPN31	50
	1/4"	TN32	50	PPN32	50
	3/8"	TN33	50	PPN33	50
	1/2"	TN34	50	PPN34	50
	3/4"	TN36	50	PPN36	50
1/2"	1/8"	TN41	50	---	---
	1/4"	TN42	50	PPN42	50
	3/8"	TN43	50	PPN43	50
	1/2"	TN44	50	PPN44	50
	3/4"	TN46	50	PPN46	50
5/8"	3/8"	TN53	50	---	---
	1/2"	TN54	50	PPN54	50
	3/4"	TN56	50	PPN56	50
3/4"	3/8"	TN63	50	---	---
	1/2"	TN64	50	PPN64	50
	3/4"	TN66	50	PPN66	50
	1"	TN68	25	PPN68	25
1"	3/4"	TN86	25	PPN86	25
	1"	TN88	25	PPN88	25
1-1/4"	1"	TN158	15	---	---
	1-1/4"	TN150	10	PPN150	10
	1-1/2"	TN1520	10	---	---
1-1/2"	1-1/4"	TN2015	10	---	---
	1-1/2"	TN200	10	PPN200	10
2"	2"	TN250	5	PPN250	5

nylon

polypropylene

NOTE: Sold in package quantities only.

Tuff-Lite®

Hose Shank x Female NPT Insert

Features
- Nylon fittings should not be used with acid-based fertilizers, bromine, chlorine, fluorine, hydrochloric acid, iodine, nitric acid, phosphoric acid, sulfuric acid, or xylene
- Nylon should not be used with compressed gas

Hose Size	Female NPT	Nylon Part #	Pkg Qty
1/4"	1/4"	TFS22	50
1/4"	1/2"	TFS42	25
1/2"	1/2"	TFS44	25
3/4"	3/4"	TFS66	25

Hose Shank x Female NPSM

Specification
- Ball seat type

Hose Size	Female NPSM	Nylon Part #	Pkg Qty
1/4"	1/4"	TF22	1
3/8"	3/8"	TF33	1

Short Shank x Female NPSM Couplings

Features
- Sold in package quantities only
- Shipped with a red vinyl washer (TVW7), replacement washers on pages 423, 1024

Hose Shank	Female NPSM	Nylon Part #	Pkg Qty
1/4"	3/4"	TCF62	100
3/8"		TCF63	100
1/2"		TCF64	100
5/8"		TCF65	100
3/4"		TCF66	100

Tuff-Lite – Reducing Bushings

Male NPT	Female NPT	Nylon Part #	Pkg Qty
3/8"	1/4"	THB32	25
1/2"	1/4"	THB42	25
1/2"	3/8"	THB43	25
3/4"	1/2"	THB64	25
1"	3/4"	THB86	25

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

Tuff-Lite®

90° Hose Barb Elbow x Male NPT

Hose Size	Male NPT	Nylon Part #	Pkg Qty
1/4"	1/8"	TLS21	50
	1/4"	TLS22	50
	3/8"	TLS23	50
3/8"	1/8"	TLS31	50
	1/4"	TLS32	50
	3/8"	TLS33	50
	1/2"	TLS34	50
	3/4"	TLS36	50
1/2"	1/4"	TLS42	50
	3/8"	TLS43	50
	1/2"	TLS44	50
	3/4"	TLS46	25
	1"	TLS48	25
5/8"	3/8"	TLS53	25
	1/2"	TLS54	25
	3/4"	TLS56	25
	1"	TLS58	25
3/4"	3/8"	TLS63	25
	1/2"	TLS64	25
	3/4"	TLS66	25
	1"	TLS68	15
1"	3/4"	TLS86	15
	1"	TLS88	15

NOTE: Sold in package quantities only.

90° Hose Barb Elbow x Female NPT

Hose Size	Female NPT	Nylon Part #	Pkg Qty
1/2"	1/2"	TLFS44	25
1/2"	3/4"	TLFS64	25
3/4"	3/4"	TLFS66	25

Hose Barb x 90° Hose Barb Elbow

Hose Size	Nylon Part #	Pkg Qty	Polypropylene Part #	Pkg Qty
1/4"	TLSS22	50	PPLSS22	50
3/8"	TLSS33	50	PPLSS33	50
1/2"	TLSS44	50	PPLSS44	50
3/4"	TLSS66	50	PPLSS66	50

NOTE: Sold in package quantities only.

Q

Tuff-Lite®

Hose Run x Male NPT Branch Tees

Hose Size	Male NPT	Nylon Part #	Pkg Qty
1/4"	1/4"	TSST222	50
3/8"	3/8"	TSST333	50
1/2"	1/2"	TSST444	25
3/4"	3/4"	TSST666	25

NOTE: Sold in package quantities only.

Hose Run x Hose Branch Tees

Hose Size	Nylon Part #	Pkg Qty
1/4"	TSSS222	50
3/8"	TSSS333	50
1/2"	TSSS444	50
3/4"	TSSS666	25

NOTE: Sold in package quantities only.

Menders

Specification

- Maximum working temperature: **150°F (66°C)**

nylon

polypropylene

Size	Nylon Part #	Pkg Qty	Polypropylene Part #	Pkg Qty
1/4"	TM2 [1]	50	PPM2	50
5/16"	TM25 [1]	50	---	---
3/8"	TM3 [1]	50	PPM3	50
1/2"	TM4 [1]	50	PPM4	50
5/8"	TM5 [1]	50	PPM5	50
3/4"	TM6 [1]	50	PPM6	50
1"	TM8 [1]	25	PPM8	50
1-1/4"	TM16	50	---	---
1-1/2"	TM21	10	---	---
2"	TM26	20	---	---
4"	TM46	24	---	---

NOTE: Sold in package quantities only.

Q

Tuff-Lite®

Short Shank Female GHT Couplings

Feature
- Shipped with a red vinyl washer (TVW7), replacement washers on pages 423, 1024

Hose Shank	Thread Size	Nylon Part #	Pkg Qty	Polypropylene Part #	Pkg Qty
1/4"	3/4" GHT	TCF72	100	PPCF72	1
3/8"		TCF73	100	PPCF73	1
1/2"		TCF74	100	PPCF74	1
5/8"		TCF75	100	PPCF75	1
3/4"		TCF76	100	PPCF76	1

polypropylene

nylon

Short Shank Male GHT Couplings

Hose Shank	Thread Size	Nylon Part #	Pkg Qty	Polypropylene Part #	Pkg Qty
1/4"	3/4" GHT	TCM72	50	---	---
3/8"		TCM73	50	PPCM73	50
1/2"		TCM74	50	PPCM74	50
5/8"		TCM75	50	PPCM75	50
3/4"		TCM76	50	PPCM76	50

polypropylene

nylon

Male GHT x Female NPT Adapters

Female NPT	Nylon Part #	Pkg Qty	Polypropylene Part #	Pkg Qty
1/4"	TA792	50	---	---
3/8"	TA793	50	---	---
1/2"	TA794	50	---	---
3/4"	TA796	50	PPA796	25

NOTE: Sold in package quantities only.

polypropylene

nylon

Female GHT x Male NPT Adapters

Male NPT	Nylon Part #	Pkg Qty
1/4"	TA972	50
3/8"	TA973	50
1/2"	TA974	50
3/4"	TA976	50

NOTE: Sold in package quantities only.

Q

Tuff-Lite®

Female GHT x Female NPT Adapters

Female NPT	Nylon Part #	Pkg Qty
1/2"	TA974F	50
3/4"	TA976F	50

NOTE: Sold in package quantities only.

Male GHT x Male NPT Adapters

polypropylene

nylon

Male NPT	Nylon Part #	Pkg Qty	Polypropylene Part #	Pkg Qty
1/4"	TA772	50	---	---
3/8"	TA773	50	PPA773	50
1/2"	TA774	50	PPA774	50
3/4"	TA776	50	PPA776	50
1"	TA778	25	---	---

NOTE: Sold in package quantities only.

Male GHT x 90° Hose Barb Elbows

Hose Size	Nylon Part #	Pkg Qty
3/8"	TLS37	50
1/2"	TLS47	25
5/8"	TLS57	25
3/4"	TLS67	25

NOTE: Sold in package quantities only.

GHT x Male NPT Elbows

Male NPT	Nylon Part #	Pkg Qty
3/8"	TLT73	25
1/2"	TLT74	25
3/4"	TLT76	25

NOTE: Sold in package quantities only.

Q

Tuff-Lite®

Push-On Hose Shank x Male NPT Inserts

Feature
- No clamps are needed when these fittings are used with push-on hose

Hose Size	Male NPT	Nylon Part #	Pkg Qty
1/4"	1/8"	TPN21	50
	1/4"	TPN22	50
	3/8"	TPN23	50
3/8"	1/4"	TPN32	50
	3/8"	TPN33	50
	1/2"	TPN34	50
1/2"	3/8"	TPN43	50
	1/2"	TPN44	50
	3/4"	TPN46	50

NOTE: Sold in package quantities only.

Push-On Hose Shank x Female NPT Inserts

Feature
- No clamps are needed when these fittings are used with push-on hose

Hose Size	Female NPT	Nylon Part #	Pkg Qty
1/4"	1/4"	TPF22	50
3/8"	1/4"	TPF32	50
	3/8"	TPF33	50
1/2"	3/8"	TPF43	50
	1/2"	TPF44	50

NOTE: Sold in package quantities only.

Push-On Hose Menders

Feature
- No clamps needed when used with push-on hose

Size	Nylon Part #	Pkg Qty
1/4"	TPM2	50
3/8"	TPM3	50
1/2"	TPM4	50

NOTE: Sold in package quantities only.

Q

Black SBR Washers

5911212W

5911216W

I.D.	O.D.	Duro	Part #	Optional Qty
0.60"	1.02"	80	5911212W	25
0.86"	1.27"	60	5911616W	25

Black EPDM Garden Hose Washers

Approval
- NSF®61 approved

I.D.	O.D.	Duro	Part #
0.63"	1.00"	70	5911212WEPDM
0.86"	1.27"	70	5911616WEPDM

Red Vinyl GHT Washer

Red Vinyl Part #	Optional Qty
TVW7	100

White Rubber GHT Washer

White Rubber (Styrene Butadiene) Part #	Optional Qty
TRW7	100

A Major Milestone

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110 YEARS OF UNCOMMON EXCELLENCE®

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Nominal 1026-1028

Smooth bore PTFE hose 1026
Smooth bore PTFE hose per foot length 1026
Female JIC swivels 1027
Rigid male pipe fittings 1027
Female SAE swivels 1027
PTFE hose insertion tool and dies 1028
Smooth bore PTFE hose fittings 1028
- Tube end stubs 1028
- 45° FJIC fittings 1028
- 90° FJIC fittings 1028

True I.D. Hose 1029

True I.D. open pitch convoluted hose 1029
Heavy wall true I.D. smooth bore hose 1029

True I.D. Fittings..... 1029-1030

Female JIC swivels 1029
Rigid male pipe fittings 1029
PTFE hose fittings 1030
- Sanitary tri-clamps 1030
- Mini sanitary tri-clamps 1030
- Flange retainers 1030

Crimp Collars 1030

Convoluted 1030
Smooth bore 1030

R

Nominal

Application
- Suitable for conveying chemicals, foods, pharmaceuticals, oils, gas, fuels, and steam

Size
- Size range: dash-3 to dash-20

Specification
- Temperature range: **-100°F** to **450°F (-73°C** to **232°C)**

Features
- 304 stainless braided
- Extruded or heat shrink coverings are available upon request
- Boxed coils (bulk, per ft. lengths, and full reels available from Maryland and Texas; call Dixon® at 888.226.4673)
- For use with nominal PTFE fittings on pages 1027 and 1028

Approval
- Nominal standard smooth bore PTFE hose meets SAE100R14

Nominal Smooth Bore PTFE Hose – Coiled
(fittings not included)

Nominal Size	Average I.D.	Length in Feet	Dash Size	Working Pressure (PSI)	Burst Pressure (PSI)	White, non-conductive, coiled Part #	Black, conductive, coiled Part #
1/4"	.187"	100'	dash-4	**3,000**	**12,000**	WSB-04-100	---
5/16"	.250"		dash-5	**3,000**	**12,000**	WSB-05-100	---
3/8"	.312"		dash-6	**2,500**	**10,000**	WSB-06-100	---
1/2"	.405"		dash-8	**2,000**	**8,000**	WSB-08-100	---
5/8"	.500"		dash-10	**1,750**	**7,000**	WSB-10-100	BSB-10-100
3/4"	.625"		dash-12	**1,500**	**6,000**	WSB-12-100	BSB-12-100
3/4T"	.750"	50'	dash-12T	**1,100**	**4,400**	---	BSB-12T-50
1"	.875"		dash-16	**1,000**	**4,000**	WSB-16-50	BSB-16-50

Nominal Smooth Bore PTFE Hose Per Foot Length
(fittings not included)

Nominal Size	Average I.D.	Dash Size	White, non-conductive Part #	Black, conductive Part #
1/4"	.187"	dash-4	WSB-04	BSB-04
5/16"	.250"	dash-5	WSB-05	---
3/8"	.312"	dash-6	WSB-06	BSB-06
3/8T"	.375"	dash-6T	WSB-06T	---
1/2"	.405"	dash-8	WSB-08	BSB-08
5/8"	.500"	dash-10	WSB-10	BSB-10
3/4"	.625"	dash-12	WSB-12	BSB-12
3/4T"	.750"	dash-12T	WSB-12T	---
1"	.875"	dash-16	WSB-16	---
1T"	1.000"	dash-16T	---	BSB-16T
1-1/4"	1.125"	dash-20Z	WSB-20Z [1]	BSB-20Z [1]

[1] Double braided
NOTE: Per feet lengths are available from Maryland and Texas only. Contact Dixon at 888.226.4673.

WARNING: Misuse of these products can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been tested and approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

Nominal Fittings

Crimp Collars for all nominal fittings are included

- For use with nominal smooth bore PTFE hoses on the previous page

Female JIC Swivels

Hose Size	Thread Size	Carbon Steel Part #	304 Stainless Steel Part #	Brass Part #
dash 4	1/4"	FJC-04-04	FJS-04-04	FJB-04-04
dash 5	5/16"	FJC-05-05	FJS-05-05	FJB-05-05
dash 6	3/8"	FJC-06-06	FJS-06-06	FJB-06-06
dash 8	1/2"	FJC-08-08	FJS-08-08	FJB-08-08
dash 10	5/8"	FJC-10-10	FJS-10-10	FJB-10-10
dash 12	3/4"	FJC-12-12	FJS-12-12	FJB-12-12
dash 16	1"	FJC-16-16	FJS-16-16	FJB-16-16
dash 20Z	1-1/4"	FJC-20Z-20	FJS-20Z-20[1]	---

[1] stock quantity only

Rigid Male Pipe Fittings

Hose Size	Thread Size	Carbon Steel Part #	304 Stainless Steel Part #	Brass Part #
dash 4	1/8"	MPC-04-02	MPS-04-02	MPB-04-02
dash 4	1/4"	MPC-04-04	MPS-04-04	MPB-04-04
dash 5	1/4"	MPC-05-04	MPS-05-04	MPB-05-04
dash 6	1/4"	MPC-06-04	MPS-06-04	MPB-06-04
dash 6	3/8"	MPC-06-06	MPS-06-06	MPB-06-06
dash 8	3/8"	MPC-08-06	MPS-08-06	MPB-08-06
dash 8	1/2"	MPC-08-08	MPS-08-08	MPB-08-08
dash 10	1/2"	MPC-10-08	MPS-10-08	MPB-10-08
dash 12	3/4"	MPC-12-12	MPS-12-12	MPB-12-12
dash 16	1"	MPC-16-16	MPS-16-16	MPB-16-16
dash 20Z	1-1/4"	MPC-20Z-20	---	MPB-20Z-20

Female SAE Swivels

Hose Size	Thread Size	Carbon Steel Part #	Brass Part #
dash 6	3/8"	SAEC-06-06	SAEB-06-06
dash 12	3/4"	SAEC-12-12	SAEB-12-12

R

WARNING: Misuse of these products can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been tested and approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

Nominal PTFE Hose Insertion Tool and Dies

Feature

- Takes the hassle out of installing crimp collars onto braided PTFE Hose; with a few simple steps even challenging braid can be easily and safely inserted into the crimp collar

Description	Size	Part #
tool/die holder	---	ITDH
die	dash 4	ITD-04
die	dash 5	ITD-05
die	dash 6	ITD-06
die	dash 8	ITD-08
die	dash 10	ITD-10
die	dash 12	ITD-12
die	dash 16	ITD-16

Nominal Smooth Bore PTFE Hose Fittings

Crimp collars for all nominal fittings are included

Application

- For use with nominal smooth bore PTFE hoses on page 1026

Tube End Stubs

Hose Size	Tube Size	304 Stainless Steel Part #
dash 4	1/4"	TES-04-04
dash 6	3/8"	TES-06-06
dash 8	1/2"	TES-08-08
dash 12	3/4"	TES-12-12
dash 16	1"	TES-16-16

45° FJIC Fittings

Hose Size	Thread Size	304 Stainless Steel Part #	Carbon Steel Part #
dash 3	3/16"	FJS45-03-03	FJC45-03-03
dash 4	1/4"	FJS45-04-04	FJC45-04-04
dash 5	5/16"	FJS45-05-05	FJC45-05-05
dash 6	3/8"	FJS45-06-06	FJC45-06-06
dash 8	1/2"	---	FJC45-08-08
dash 10	5/8"	FJS45-10-10	FJC45-10-10
dash 12	3/4"	---	FJC45-12-12
dash 16	1"	---	FJC45-16-16

90° FJIC Fittings

Hose Size	Thread Size	304 Stainless Steel Part #	Carbon Steel Part #
dash 3	3/16"	FJS90-03-03	FJC90-03-03
dash 4	1/4"	FJS90-04-04	FJC90-04-04
dash 5	5/16"	---	FJC90-05-05
dash 6	3/8"	FJS90-06-06	FJC90-06-06
dash 8	1/2"	FJS90-08-08	FJC90-08-08
dash 10	5/8"	FJS90-10-10	FJC90-10-10
dash 12	3/4"	FJS90-12-12	FJC90-12-12
dash 16	1"	---	FJC90-16-16

True I.D. Hose

Application
- Suitable for conveying acids, chemicals, foods, and pharmaceuticals

Size
- Size range: 1/4" to 2"

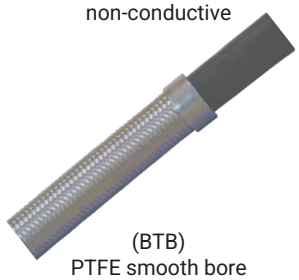
Specification
- Temperature range: **-100°F** to **450°F (-73°C** to **232°C)**

Features
- Boxed coils (bulk, per ft. lengths, and full reels available from Maryland and Texas, call Dixon® at 888.226.4673)
- 304 stainless braided
- Other braids including synthetic, extruded, and heat shrink coverings are available upon request

(WOC)
PTFE convoluted
non-conductive

(BOC)
PTFE convoluted
conductive

(WTB)
PTFE smooth bore
non-conductive



(BTB)
PTFE smooth bore
conductive

True I.D. Open Pitch Convoluted Hose
(fittings not included)

Size	Working Pressure PSI	Burst Pressure PSI	White, non-conductive Part #	Black, conductive Part #
1/4"	**1,740**	**6,960**	WOC-T04	---
3/8"	**1,850**	**7,400**	WOC-T06	BOC-T06
1/2"	**1,500**	**6,000**	WOC-T08	BOC-T08
3/4"	**1,300**	**5,200**	WOC-T12	BOC-T12
1"	**1,000**	**4,000**	WOC-T16	BOC-T16
1-1/4"	**900**	**3,600**	WOC-T20	BOC-T20
1-1/2"	**700**	**2,800**	WOC-T24	BOC-T24
2"	**500**	**2,000**	WOC-T32	BOC-T32

Heavy Wall True I.D. Smooth Bore Hose
(fittings not included)

Size	Working Pressure PSI	Burst Pressure PSI	White, non-conductive Part #	Black, conductive Part #
1/4"	**3,000**	**12,000**	WTB-T04	---
3/8"	**2,250**	**9,000**	WTB-T06	BTB-T06
1/2"	**1,500**	**6,000**	WTB-T08	BTB-T08
3/4"	**1,100**	**4,400**	WTB-T12	BTB-T12
1"	**900**	**3,600**	WTB-T16	BTB-T16
1"	**1,650**	**6,600**	---	---
1-1/4"	**1,000**	**4,000**	---	BTB-T20Z
1-1/2"	**1,100**	**4,000**	WTB-T24Z	---

NOTE: For use with nominal PTFE fittings on pages 1027 and 1028.

True I.D. Fittings

Crimp collars for all True I.D. fittings are sold separately

Female JIC Swivels

Size	Carbon Steel Part #	316 Stainless Steel Part #
1/4"	FJC-T04	FJR-T04
3/8"	FJC-T06	FJR-T06
1/2"	FJC-T08	FJR-T08
3/4"	FJC-T12	FJR-T12
1"	FJC-T16	FJR-T16
1-1/4"	FJC-T20	FJR-T20
1-1/2"	FJC-T24	FJR-T24
2"	FJC-T32	FJR-T32

Rigid Male Pipe Fittings

Size	Carbon Steel Part #	316 Stainless Steel Part #
1/4"	MPC-T04	MPR-T04
3/8"	---	MPR-T06
1/2"	MPC-T08	MPR-T08
3/4"	MPC-T12	MPR-T12
1"	MPC-T16	MPR-T16
1-1/4"	MPC-T20	MPR-T20
1-1/2"	MPC-T24	MPR-T24
2"	MPC-T32	MPR-T32

NOTE: Four use with True I.D. PTFE hoses

True I.D. Fittings

PTFE Hose Fittings

Sanitary Tri-Clamps

Application

- For use with True I.D. PTFE hoses on page 1029

Hose Size	Clamp Size	316 Stainless Steel Part #
1/2"	1"	TCR-T08-16
1/2"	1-1/2"	TCR-T08-24
3/4"	1-1/2"	TCR-T12-24
1"	1"	TCR-T16-16
1"	1-1/2"	TCR-T16-24
1-1/2"	1-1/2"	TCR-T24-24
2"	2"	TCR-T32-32

Mini Sanitary Tri-Clamps

Size	316 Stainless Steel Part #
1/2"	TCMR-T08
3/4"	TCMR-T12

NOTE: For GSM and PTFE hose assemblies contact Dixon® at 888.226.4673.

Flange Retainers

Feature

- For use with lap joint flanges. See page 970

Size	316 Stainless Steel Part #	316 Stainless Steel PTFE Encapsulated Part #
1/2"	FRR-T08	---
3/4"	FRR-T12	FRRE-T12
1"	FRR-T16	FRRE-T16
1-1/4"	---	FRRE-T20
2"	FRR-T32	---

Crimp Collars

Convoluted Crimp Collars

Features

- For True I.D. open pitch convoluted PTFE hose only
- New design for ease of installation and improved appearance of finished crimp

Size	Carbon Steel Part #	304 Stainless Steel Part #
1/4"	CSC-T04-1	SSC-T04-1
3/8"	CSC-T06-1	SSC-T06-1
1/2"	CSC-T08-1	SSC-T08-1
3/4"	CSC-T12-1	SSC-T12-1
1"	CSC-T16-1	SSC-T16-1
1-1/4"	CSC-T20-1	SSC-T20-1
1-1/2"	CSC-T24-1	SSC-T24-1
2"	CSC-T32-1	SSC-T32-1

Smooth Bore Crimp Collars

Features

- For True I.D. smooth bore PTFE hose only
- New design for ease of installation and improved appearance of finished crimp

Size	Carbon Steel Part #	304 Stainless Steel Part #
1/4"	CSC-T04-2	SSC-T04-2
3/8"	CSC-T06-2	SSC-T06-2
1/2"	CSC-T08-2	SSC-T08-2
3/4"	CSC-T12-2	SSC-T12-2
1"	CSC-T16-2	SSC-T16-2

Contact Dixon at 888.226.4673 for assembly instructions and crimp recommendations.

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S

Baylite™ 6210-Series Fuel Delivery Elbow

Application
- Delivery of motor fuels to service station underground tanks

Materials
- Lubricated bushings with forged alloy lever
- Bronze cam arms

Features
- The 6210A weighs in at 13.95 lbs, over 1 pound lighter than the equivalent 6200-Series elbow.
- Compact design fits into most equipment boxes
- Uses common lower end unit, and inlet fittings for 6200- and 6500-Series elbows

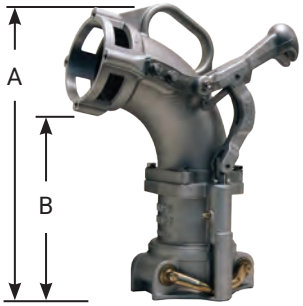
Approvals
- Baylast™ seal is rated for bio-diesel, ethanol, diesel, gas, and ULSD

6210 Baylite Elbow Versions Description	Part #
standard height elbow, no inlet connection	6210
standard height elbow, 4” adapter inlet	6210A
standard height elbow, 3” coupler inlet	6210B
standard height elbow, 3” adapter inlet	6210C
standard height elbow, 4” coupler inlet	6210D
tall height elbow, no inlet connection	6210X
tall height elbow, 4” adapter inlet	6210XA
tall height elbow, 3” coupler inlet	6210XB
tall height elbow, 3” adapter inlet	6210XC
tall height elbow, 4” coupler inlet	6210XD

Kits and Accessories Description	Part #
sight glass kit (6210 only)[1]	6210SGK [1]
handle and linkage kit	6200-15ASSM
bolts and lock washers	6000EHK
shoulder bolt pivot, wave washers, and flat washer	6200SBK
stud pivot, nylon washers, bushing, and nut	6200SHK
elbow casting	6210-1
complete bottom unit	6230
L&R arms, main gasket, O-rings, small and large bushings	6230ARK
small and large bushings	6200BK

[1] New sight glass kit specific to 6210

6500-Series Self-Locking Drop Elbows



no inlet

Size	Inlet	A Overall Height	B Ground Clearance	Aluminum Part #
4"	tightfill elbow with locking handle	17-3/4"	10-7/8"	6500
	tightfill elbow with 3" inlet adapter			6500C
	tightfill elbow with locking handle and 4" adapter inlet			6500A
	tightfill elbow with 3" coupler inlet			6500B
	tightfill elbow with 4" coupler inlet			6500D
	tightfill elbow with locking handle and anti-spill sleeve, without inlet connection			6500T
	tightfill elbow with locking handle, 4" inlet adapter and anti-spill sleeve			6500AT
	tall full feature elbow, without inlet connection	21"	13-3/4"	6500X
	tall full feature elbow with 3" inlet adapter			6500XC
	tall full feature elbow with 4" inlet adapter			6500XA
	tall full feature elbow with 3" coupler inlet			6500XB
	tall full feature elbow with 4" coupler inlet			6500XD
	tall full feature elbow with locking handle, no inlet, with anti-spill sleeve			6500XT
	tall elbow with locking handle, 4" inlet adapter and anti-spill sleeve			6500XAT
3"	3" tight fill elbow with 4" inlet adapter	15"	9-1/2"	6530A
	3" tightfill elbow with 3" coupler inlet			6530B
4"	3" tight fill elbow with 3" inlet adapter			6530C
3"	3" tightfill elbow with 4" coupler inlet			6530D
	3" tightfill elbow with 4" inlet adapter and locking handle			6530LA
	tightfill elbow main gasket 3"	---	---	112449

S

Straight Drop Fuel Delivery Connectors

Inlet Size	Outlet	Overall height	Part #
3"	4" top seal	17-5/8"	6303
4"		16-3/16"	6304
3"		19-3/4"	6303NPT
4"		19-3/16"	6304NPT

Fuel Delivery Elbow Inlets and Anti-Spill Tubes

Male Adapters

Inlet Size	Aluminum Part #
3"	6000-16
4"	6000-17

Female Couplers

Inlet Size	Aluminum Part #
3"	6000-15
4"	6000-14

Female NPT

Inlet Size	Aluminum Part #
4"	6000-20

Anti-Spill Sleeves

Description	Part #
anti-spill tube for 6200-Series and 6500-Series	6200-17
tall anti-spill tube for 6200-Series and 6500-Series	6200X-17

Baylite™ Side Seal Fuel Delivery Elbows

Inlet Size	Description	Part #
---	side seal elbow without inlet connection	6010AS
3"	side seal elbow with 3" inlet adapter	6010ASC
4"	side seal elbow with 4" inlet adapter	6010ASA
3"	side seal elbow with 3" coupler inlet	6010ASB
4"	side seal elbow with 4" coupler inlet	6010ASD
4"	side seal elbow with 4" inlet adapter, with locking ring	6010ASAL

Side Seal to Top Seal Adapters

Application

- Allows conventional elbows to be used with special side seal style fill collars

Features

- Bottom connects to side seal fill collar
- Top section with standard 4" top seal collar profile accepts clamping of standard 4" drop elbows
- Replacement parts are available; contact Dixon®

Size	Aluminum Part #
4"	6000-SSA

S

Elbow Height Extensions

Description	Part #
3" height extension kit for 6200, 6500, VR6000, and VR6500 elbows. Kit includes: body and stem extensions, (4) stainless steel nuts and bolts and stem pin	6000EXT
3" height extension kit for 6400 co-axial elbows. Kit includes: body and stem extensions, (4) stainless steel nuts and bolts, stem pin, and replacement vapor tube	6400EXT

Tank Cabinet "Dummy" Weld-on Adapters

Description	Part #
4" fuel delivery – cabinet weld-on adapter blank	AL4051-BORE

Dual Point Vapor Recovery Elbows – Ball Lever

Application
- For use in two-point vapor recovery systems

Features
- One-piece locking arms
- Advanced design side lever locking system
- Bolt on 3" male outlet included (VR6000-6), which can be rotated for extended life
- Lubrication fitting on locking stem
- See below for 6400-Series co-axial elbow for single point vapor recovery

Materials
- Seals: nitrile rubber
- Hardware: stainless steel
- Bronze locking arms housed in polymer bushings

Description	Aluminum Part #
3" male adapter outlet, without poppet valve	VR6000NP
3" male adapter outlet, without poppet valve	VR6100NP
ball lever handle, without adapter outlet, without poppet valve	VR6200NPBU
3" male adapter with probe, without poppet valve	VR6200NP
3" male adapter outlet with probe and poppet valve	VR6200
3" male adapter outlet, ball lever handle, without poppet valve	VR6200PNP
4" male adapter outlet, ball lever handle, without poppet valve	VR6200ANP
3" male coupler outlet, ball lever handle, without poppet valve	VR6200NPB
3" male coupler outlet, ball lever handle, without poppet valve	VR6200NPBP
4" male coupler outlet, ball lever handle, without poppet valve	VR6200NPDP
3" male adapter outlet, heavy duty ball valve and poppet valve	VR6500
3" male adapter outlet, heavy duty ball valve, without poppet valve	VR6500NP
3" male adapter outlet, heavy duty ball lever locking handle, without poppet valve	VR6500LPNP

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Adapter Inlet

Description	Aluminum Part #
outlet adapter with outlet O-ring	VR6000-6
replacement 4" adapter outlet, for elbows without poppets	6000-17
replacement 3" coupler outlet, for elbows without poppets	6000-15
replacement 4" coupler outlet, for elbows without poppets	6000-14

6600-Series Auto Shut-off Elbow Release

Application
- Tank trailer delivery to underground storage tanks

Materials
- Aluminum body and handle
- Bronze locking arms
- Stainless steel hardware
- Baylast™ and nitrile rubber seals
- Acetal bushings

Specification
- Manufactured to connect to in ground fuel adapters and cam & groove delivery hose connections

Features
- Rugged modular cast aluminum construction, with internal automatic shut-off valve
- Many parts are common throughout the Bayco elbow line, making any necessary maintenance a breeze
- Grease nipple enables the greasing of the lever stem, and acetal bushings help keep everything moving smoothly
- Bolt on outlets allow the outlet to be changed without having to worry about galling of threads
- Same rugged design as our 6210 and 6500-Series elbows
- Biofuel compatible, up to E85 (85% ethanol) and B20 (20% biodiesel)

Part #	Description
6600LA	shut-off elbow, 4" adapter inlet left hand, with flapper
6600LB	shut-off elbow, 3" coupler inlet left hand, with flapper
6600LC	shut-off elbow, 3" adapter inlet left hand, with flapper
6600LD	shut-off elbow, 4" coupler inlet left hand, with flapper
6600RA	shut-off elbow, 4" adapter inlet right hand, with flapper
6600RB	shut-off elbow, 3" coupler inlet right hand, with flapper
6600RC	shut-off elbow, 3" adapter inlet, right hand with flapper
6600RD	shut-off elbow, 4" coupler inlet, right hand, with flapper

NOTE: The Bayco 6600-Series elbow has an internal valve that helps prevent a possible spill. Should the elbow pop off the fill adapter, the internal valve will automatically close, preventing the hose's contents from spilling.

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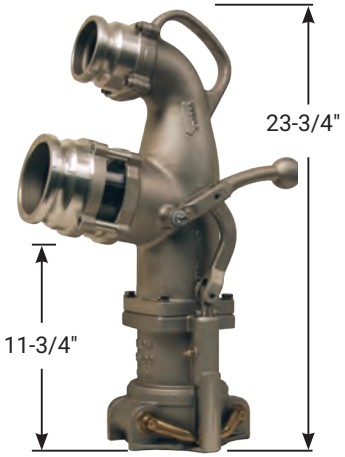
Single Point Coaxial Drop Elbow

Application
- For single point vapor recovery only

Features
- 3" male vapor outlet (top)
- Comes assembled with 4" male inlet
- Bolt-on inlets/outlets for easy, fast replacement
- Replacement parts are available; please contact Dixon®
- 6400 co-axial inlets do not fit our other elbow series



Materials
- Arms: solid bronze
- Sight glass: acrylic
- Seals: nitrile rubber

Inlet	Outlet	Aluminum Part #
3" adapter fuel	3" male vapor	6430
3" coupler fuel		6430F
4" adapter fuel		6400
4" coupler fuel		6400F
4" coupler fuel	3" male NPT vapor	6400FNPT
3" adapter fuel	3" male vapor	6430X
3" coupler fuel		6430XF
4" adapter fuel		6400X
4' coupler fuel		6400XF
4" coupler fuel	3" male NPT vapor	6400XFNPT

Coaxial Elbow Fuel Inlets

Adapters

Application
- For use with 6400-Series coaxial elbows only

Feature
- Rated for petroleum service, Ethanol to E100, and biodiesel to B20

Size	Aluminum Part #
3"	6000-16C
4"	6000-17C

Couplers

Application
- For use with 6400-Series coaxial elbows only

Feature
- Rated for petroleum service, Ethanol to E100, and biodiesel to B20

Size	Aluminum Part #
3"	6000-15C
4"	6000-14C

Vapor Outlets

Size	Aluminum Part #
3"	6400-4
3"	6000-26C

S

TTMA Gasket Kits

TTMA PTFE Envelope Klinger® Gasket Kit

Features
- TTMA PTFE envelope Klinger® gasket with 3/8" bolts and self-locking nuts

Sizes
- 3"-4"

Size	Bolt Length	Part #
3"	1-1/2"	300GTTFTK-1508Z
	1-3/4"	300GTTFTK-1758Z
	2"	300GTTFTK-2008Z
	3"	300GTTFTK-3008Z
	3-1/2"	300GTTFTK-3508Z
4"	1-1/2"	400GTTFTK-1508Z
	1-3/4"	400GTTFTK-1758Z
	2"	400GTTFTK-2008Z
	3"	400GTTFTK-3008Z
	3-1/2"	400GTTFTK-3508Z

400GTTFTK-1758Z

400GTTFTK-3008Z

TTMA Baylast™ Gasket Kit

Features
- TTMA Baylast gasket with 3/8" bolts and self-locking nuts

Sizes
- 3"-4"

Size	Bolt Length	Part #
3"	1-1/2"	300GTTFBL-1508Z
	1-3/4"	300GTTFBL-1758Z
	2"	300GTTFBL-2008Z
	3"	300GTTFBL-3008Z
	3-1/2"	300GTTFBL-3508Z
4"	1-1/2"	400GTTFBL-1508Z
	1-3/4"	400GTTFBL-1758Z
	2"	400GTTFBL-2008Z
	3"	400GTTFBL-3008Z
	3-1/2"	400GTTFBL-3508Z

400GTTFBL-1758Z

400GTTFBL-3008Z

TTMA Flange Gaskets

Size	O.D.	I.D.	Thick.	Material	Part #
2"	4-1/2"	2-5/8"	1/8"	Baylast™	200GTTFBL
3"	5-5/8"	3-1/2"	1/8"	Cork/Nitrile rubber	300GTTFCB
	5-5/16"	3-1/4"	5/32"	PTFE envelope with Klinger filler	300GTTFTK
	5-5/8"	3-1/2"	1/8"	Klingersil® C-4300	300GTTFK
	5-29/32"	3-1/2"	3/32"	PTFE with fiber core	40321TF
	7-1/4"	5"	5/32"	PTFE with soft fiber core	40364TF
	7-1/4"	5"	1/8"	Baylast	40364BL
	5-5/8"	3-5/8"	1/8"	Baylast	300GTTFBL
4"	6-5/8"	4-9/16"	1/8"	Cork/Nitrile rubber	400GTTFCB
	6-7/8"	4-5/16"	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.

S

Sight Flow Indicators

Features
- Due to the proprietary blending of petroleum products, Dixon® recommends that thermoplastic tubing and gaskets be immersion tested in the product to be handled to ensure compatibility (not compatible with crude oil)
- For dimensional information on tank truck flange drilling reference dixonvalve.com

Specification
- Maximum flange bolt torque is 200 in. lbs.

TTMA Flanged Short Sight Flow Indicators

Features
- Durable cast aluminum housing, replaces competition's all-acrylic sight glass as commonly found on tank trucks
- Allows for visual identification of the fuel grade prior to opening the valve
- Works with tank truck flanged butterfly valves found on gasoline trucks
- Low cost sight glass tube can be easily replaced

Specification
- Rated to **150 PSI**

Size	Width	Aluminum Part #
3"	1-3/4"	5200-SFI-3
4"	1-3/4"	5200-SFI

TTMA Flanged Sight Flow Indicators

Application
- Allows for visual identification of the fuel grade prior to opening the valve

Features
- Works with tank truck flanged butterfly valves found on gasoline trucks
- Larger I.D. 4-3/8" flow indicator allows tank truck flanged butterfly valves to connect to either end of the indicator

Specification
- Pressure rating: **150 PSI**

Size	Width	I.D.	Aluminum Part #
4"	3-1/4"	4-3/8"	5201-SFI

Application
- Allows for visual identification of the fuel grade prior to opening the valve

Specification
- 4" flow diameter

Size	I.D.	Aluminum Part #
4"	4-3/8"	4-1460-AL

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

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TTMA Flanged Sight Flow Indicators

Size	Nominal Width	Acrylic Part #
3"	1-3/4"	TT3ASG
4"		TT4ASG
3"		TT3ASG-ETH[1]
4"		TT4ASG-ETH[1]

Optically Enhanced Sight Glass

Size	Nominal Width	Acrylic Part #
3"	1-3/4"	TT3ASGOE
4"		TT4ASGOE
3"		TT3ASG-ETHOE[1]
4"		TT4ASG-ETHOE[1]

[1] For use with ethanol

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

Sight Flow Indicator Repair Kits

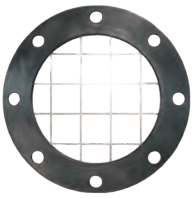
Description	Used on	Part #
3" replacement sight glass, Baylast™ O-ring, and retainer ring kit	---	5200-SFI-3-RK1
3" replacement sight glass, FKM O-ring, and retainer ring kit	---	5200-SFI-3V-RK1
4" replacement sight glass, Baylast O-ring, and retainer ring kit	---	5200-SFI-RK1
4" replacement sight glass, FKM O-ring, and retainer ring kit	---	5200-SFIV-RK1
replacement Baylast O-rings, sight glass and retaining ring	5201-SFI	5201-SFI-RK1
plexiglass insert	4-1460-AL	4PSG
nitrile rubber O-ring	4-4160-AL	O246BU

5200-SFIV-RK1

TTMA Flange Screen

Material

- Stainless steel screen is encapsulated in an FKM gasket



Male NPT	Description	Stainless Steel Part #
2"	screen with 1" square holes	TTFS4SS

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

Reelcraft® Static Discharge Reel

Application

- Used to ground equipment in hazardous atmospheres, such as fuel trucks or carts transferring flammable materials; when properly clamped to ground, the static discharge reel dissipates static electrical buildup, reducing the chances of sparking and the potential for explosion

Features

- Supplied with a 3/32" O.D. steel aircraft cable
- DC resistance is approximately one ohm per 50' of steel cable

Description	Stranded Steel Part #
single 7" x 7" stranded steel	G3050

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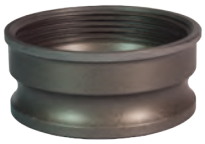
TFA Series Fill Pipe Adapter



Application
- For use with 3" drop elbows (300-TFG)

Adapter Size	Female NPT	Aluminum Hardcoat Part #	Opt Qty
3"	3"	300-TFA	10

Fuel Delivery Tank Adapters

with NPSM thread

with NPT thread

Application
- For use with 4" drop and co-axial elbows (6200, 6400 and 6500-Series)

Specification
- BZ4051S has NPSM thread and is supplied with a gasket

Adapter Size	Female Thread	Height	Bronze Part #	Opt Qty
4"	4" NPSM	2-3/8"	BZ4051S	5
	4" NPT	3-1/2"	BZ4051	5

Vapor Recovery Tank Adapters

VR4086

VR4086-BY

Application
- For use with dual point vapor elbows (VR6200 series)

Features
- Can also be used as vapor valve on tanker but does not have air interlock mount
- Poppeted vapor collar at station vapor outlet
- Low profile design
- Replacement parts are available; contact Dixon® for more information

Adapter Size	Female Thread	Height	Material	Part #	Opt Qty
4"	4" NPT	3-5/8"	bronze	VR4086	5
			ZN-AL alloy	VR4086-BY	5

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API Drop Adapters

Application

- For offloading through an API adapter

Adapter Size	Coupler Size	Description	Aluminum Part #
3"	4" API	with Baylast™ O-ring seal	4530
		with nitrile rubber flat gasket	4530G
4"		with Baylast O-ring seal	4540
		with nitrile rubber flat gasket	4540G
		with nitrile rubber flat gasket	4540F

API Drop Adapters with Sight Glass

Adapter Size	Coupler Size	Description	Aluminum Part #
3"	4" API	with inline sight glass and Baylast flat gasket	4530SG
4"		with inline sight glass and Baylast flat gasket	4540SG

API Gravity Drop Adapters

Adapter Size	Coupler Size	Description	Aluminum Part #
3"	4" API	with flat nitrile rubber gasket	31440-225AL
4"		with flat nitrile rubber gasket	41440-225AL

API Drop Adapter Repair Kits

Description	Part #
replacement cam arms, pins, and Baylast O-ring seal (standard)	4500RK
replacement cam arms, pins, and FKM O-ring seal (optional)	4500RK-V
replacement 18" chain and S hook	5205-RK4
sight glass repair kit (fits 3" and 4")	4540SG-RK1
flat replacement Baylast gasket for 4530SG, 4540SG	4540SG-RK2
replacement cam arms and pins (fits 3" and 4")	4540SG-RK3
Baylast O-ring replacement seal for 4530, 4540, 5000-24	4500-5
flat nitrile rubber gasket for 4530SG, 4540SG	112054
flat replacement gasket for 31440-225AL, 41440-225AL, 41450-DCAL	2143SEALBU

4540SG-RK1

API Dust Caps

Size	Description	Aluminum Part #	Opt Qty
4" API	with flat nitrile rubber gasket and brass cam arms	41450-DCAL	5
	with O-ring Baylast seal and brass cam arms	5000-24	10
	with locking arms	5000-24L	1

with cam arms

Adapter Size	Description	Nylon Part #	Opt Qty
4" API	with flat nitrile rubber seal and plated steel pad lockable roller lever	5000-25	20

with locking arms

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Gravity Drop Adapter Dust Caps

4540DC

4540DC-1200

Application
- Designed to fit on any 4" cam & groove adapter, specifically 4" gravity drop adapters

Features
- Reduce weight
- Easy pull off/push on operation
- NOT intended to be pressurized

Material
- Nitrile rubber gasket

Size	Black Nylon Part #
4"	4540DC
	4540DC-1200[1]

[1] Supplied with chain

Dixon Bayco® Adapter with Grounding Tab

Size	Description	356T6 Aluminum Part #
4"	male adapter with grounding tab	400-E-ALGT

Dixon Bayco Coupler with Grounding Tab

Size	Description	356T6 Aluminum Part #
4"	female coupler with grounding tab	400-C-ALGT

Fuel Gaskets

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

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Tank Truck Flanged Tee

Size	356T6 Aluminum Part #
4"	400-TLT-AL

TTMA Series Flange Adapters

Application
- Simply and easily converts threaded components to a standard TTMA flange configuration

Features
- Solid cast lightweight aluminum design is more durable than welded fabrications
- Design improves flow through adapter
- Compact size reduces the overall space needed to install

TTMA Flange x Male NPT Adapters

TTMA Flange	Male NPT	Overall Length	Aluminum Part #
3"	3"	2-1/2"	TTF3AL-3MT
4"	3"	2-1/2"	TTF4AL-3MT
4"	4"	2-1/2"	TTF4AL-4MT

TTMA Flange x Extended Length Male NPT Adapters

TTMA Flange	Male NPT	Overall Length	Aluminum Part #
4"	3"	5-1/2"	TTF4AL-3EMT
	4"	5-1/2"	TTF4AL-4EMT

TTMA Flange x Female NPT Adapters

TTMA Flange	Female NPT	Overall Length	Aluminum Part #
4"	3"	2-1/2"	TTF4AL-3FT
	4"	2-1/2"	TTF4AL-4FT

TTMA Slip-on Socket Weld Flange

TTMA Flange	Pipe Size	356T6 Aluminum Part #
4"	4"	TTF400SP

TTMA Slip-on Plate Flange

TTMA Flange	Pipe Size	Aluminum Part #
4"	4"	TTMA-64

TTMA Buttweld Flanges

TTMA Flange	Pipe Size	Thickness	Aluminum Part #
3"	4"	3/8"	TTF3AL
4"	4"	3/8"	TTF4AL

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

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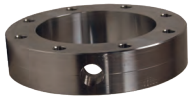
TTMA Flange Spacer with 1/2" Port



Size	Description	Aluminum Part #
4"	flange spacer with 1/2" female NPT port	TTFS4AL-FP50

TTMA Flange Extensions

TETF4AL

TETFG4AL

Application
- Used on load arms to connect an API load coupler to a load arm

Features
- Adds a 6" space between the load arm and the tank truck
- Extension with groove provides a specified parting point to prevent excessive damage to the loading arm

Size	Description	Aluminum Part #
4"	TTMA flange extension	TETF4AL
4"	TTMA flange extension with groove	TETFG4AL
4"	TTMA flange extension with 1/2" female NPT port	TETF4ALFP50

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

Cam & Groove Adapters x TTMA Flange

Features
- Aluminum flanges have a flat face; stainless flanges have a raised face
- Reference dixonvalve.com for flange drilling standards
- Pressure rating is based on the seal of the mating part, see ratings on pages 20, 26

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
2" x 3"	2030-ALT-AL	---
3"	300-ALT-AL	300-ALT-SS
3" x 4"	3040ALTAL	---
4"	400-ALT-AL	400-ALT-SS[1]
6"	600-ALT-AL	---

[1] Part is produced as a welded fabrication

Cam & Groove Couplers x TTMA Flange

Features
- Supplied standard with a nitrile rubber gasket; other gaskets available on pages 68 - 71
- Use Dixon® replacement handles only

Size	356T6 Aluminum Part #
3"	300-DLT-AL
3" x 4"	3040DLTAL
4"	400-DLT-AL
6"	600-DLT-AL

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

Cam & Groove 22-1/2° Adapters x TTMA Flange

Feature
- Pressure rating is based on the seal of the mating part, see ratings on pages 20, 26

Size	356T6 Aluminum Part #
3"	30022ALTAL
4"	40022ALTAL

Cam & Groove 22-1/2° Couplers x TTMA Flange

Features
- Supplied standard with a nitrile rubber gasket; other gaskets available on pages 68 - 71
- Use Dixon replacement handles only

Size	356T6 Aluminum Part #
4"	40022DLTAL

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

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Dixon® Vapor Recovery Couplers

Application
- Not intended for liquid service, for vapor recovery only

Materials
- Body: cast aluminun
- Arms: bronze with stainless steel pins
- Finger rings: plated carbon steel
- Gasket: nitrile rubber

Coupler with Probe x Adapter

Coupler Size	Adapter Size	356T6 Aluminum Part #
4"	3"	4030-DAVR-AL

Coupler with Probe x Coupler with Probe

Coupler Size	Coupler Size	356T6 Aluminum Part #
4"	4"	400-DDVR-AL

Couplers with Probe x Hose Shank

Applications
- For use with 3" vapor hose
- Not intended for liquid service, for vapor recovery only

Features
- VR4030CS-AL has an FKM O-ring poppet seal
- Dixon replacement handle assemblies will not work on these fittings, contact Dixon for replacements

VR4030CS-AL

Materials
- Cast aluminum body
- Arms: bronze
- Pins and finger rings: stainless steel
- Gasket: nitrile rubber

Coupler Size	Hose Shank Size	Description	Part #
3"	3"	---	VRC3000AL
4"	2"	---	4020-CVR-AL
4"	3"	no poppet	4030-CVR-AL
4"	3"	poppet	VR4030CS-AL[1]
4"	3"	floating bridge poppet	VR4030CS-SH[2]
4"	4"	no poppet	400-CVR-AL
4"	4"	floating bridge poppet	VR4040CS-AL[2]

VRC.3000AL

4030-CVR-AL

[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

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Dixon® Vapor Recovery

VR4030CS-AL45

VR4040CS-AL

Couplers

Application
- Not intended for liquid service, for vapor recovery only

Features
- "Floating bridge" poppet design allows optimal flow
- Machined hose shank ensures easier insertion into hose and better sealing
- Durable, easy-to-couple stainless cam arms
- Big wings ensure contact with air interlock button on tanker, helping prevent drive-offs
- Change poppet seal without removing the coupler from the hose
- Secure to hose with traditional band clamps or built in crimp collar
- 4" MNPT version allows for either cam & groove or threaded flange option

Material
- Seal: nitrile rubber and FKM

Coupler Size	Description	Aluminum Part #
4"	4" coupler x 4" hose shank	VR4040CS-AL
	4" coupler x 3" 45° hose shank	VR4030CS-AL45
	4" coupler x 4" 45° hose shank	VR4040CS-AL45
	4" coupler x 4" 45° hose shank swivel	VR4040CS-ALS45
	4" coupler x 4" MNPT connection	VR4040CS-4MNPT
	4" coupler x 3" hose shank	VR4030CS-SH

Bayloc Vapor Coupler with Locking Handle

DBC62LVPR-300

Application
- For use in petroleum loading terminals

Materials
- Body: aluminum
- Seals: FKM

Specification
Maximum operating pressure: **120 PSI**

Size	Part #
3"	DBC62LVPR-300

NOTE: Must be used with a VR4100FNG series check valve.

VRHK

Repair Kits

Description	Part #
handle kit	VRHK
compact handle kit	VRHK-C
seal repair kit	VR4040CSRK1
cam arm repair kit	VR4040CSRK2

Couplers x Female NPT

Application
- Not intended for liquid service, for vapor recovery only

Materials
- Body: cast aluminum
- Arms: bronze with stainless steel pins
- Finger rings: plated carbon steel
- Gasket: nitrile rubber

Coupler Size	Female NPT Size	356T6 Aluminum Part #
4"	3"	4030-DVR-AL
	4"	400-DVR-AL

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

Vapor Caps

Aluminum

Features
- Special locking cap for underground tank vapor outlet VR4086 and tanker vapor valves
- Painted vapor recovery orange

Material
- Bronze cam arms

Size	Aluminum Part #
4"	VR4050AL

Nylon

Features
- Centered "T" handle allows for one-handed use and provides a solid locking mechanism
- Strong and lightweight
- Built-in locking feature
- Corrosion resistant materials
- Vapor recovery orange
- Replacement parts are available; contact Dixon® for more information

Size	Nylon Part #
4"	VR4050PL

Automatic Pressure/Vacuum Relief Caps

Features
- Normally closed; stops fuel evaporation and airborne contaminants
- Lockable
- Relieves pressure and vacuum buildup in fuel tanks

NOTE: Pressure/vacuum relief caps should be routinely inspected to ensure correct operation and particularly to ensure that the relieving components are free to move and that the air flow path is unblocked.

For Stationary Fuel Tanks

Feature
- Relieves vacuum at .7 Hg (**.33 PSI**) and pressure at **2 PSI**, 20 SCFM flow

Male NPT	Zinc Part #
2"	2000L
2-1/2"	2500L

For Mobile Fuel Tanks

Feature
- Relieves vacuum at .33 Hg and pressure between **7.5 - 9 PSI**

Male NPT	Zinc Part #
2"	200-PV-9

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Standard Vent Caps for Stationary Tanks

Features
- Allows venting of tank to atmosphere at all times
- Also referred to as a breather cap
- Does not have pressure or vacuum valves

Male NPT	Aluminum Part #
2-1/2"	2500SFV

Fuel Delivery Adapter Cap

Features
- Single action locking cap
- Replacement parts are available; contact Dixon® for more information

Material
- Bronze cam arms

Size	Aluminum Part #	Opt Qty
4"	SA4050AL	10

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Respect *Responsibility* *Caring* *Citizenship* *Trustworthiness* *Fairness*

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Tank Transport Equipment

Fusible Pipe Caps

Size	Stainless Steel[1] Part #	Aluminum Part #	Opt Qty
3"	300-SFC-SS	300-SFC-AL	10

NOTE: Female NPSM threaded
[1] PTFE gaskets are standard in stainless steel fittings

Pipe Caps

Size	Stainless Steel[1] Part #	Aluminum Part #	Iron Part #	Opt Qty
2"	200-PC-SS	---	200-PC-MI	---
3"	300-PC-SS	300-PC-AL	300-PC-MI	10
4"	400-PC-SS	---	---	---

[1] PTFE gaskets are standard in stainless steel fittings

Reducers

Female NPSM	Male NPT	Stainless Steel[1] Part #	Aluminum Part #	Iron Part #	Opt Qty
3"	2"	3020-RD-SS	3020-RD-AL	3020-RD-MI	10
4"	3"	4030-RD-SS[2]	4030-RD-AL	---	---

[1] PTFE gaskets are standard in stainless steel fittings
[2] welded fabrication

Reducing Cap

Size	Stainless Steel[1] Part #	Opt Qty
3" x 1"	3010-RC-SS	10

NOTE: Female NPSM x Female NPT
[1] PTFE gaskets are standard in stainless steel fittings

Coupling Gaskets

Size	Nitrile Rubber Part #	Opt Qty	PTFE Part #	Opt Qty
1-1/2"	---	---	150GPCTF	---
2"	200GPCBU	25	200GPCTF	10
3"	300GPCBU	25	300GPCTF	25
4"	---	---	400GPCTF	---

nitrile rubber

PTFE

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Intermodal Tank Transport

Pipe Caps

Size	Aluminum Part #	Stainless Steel[1] Part #	Opt Qty
3"	300PCALAP	300PCSSAP	10

[1] PTFE gaskets are standard in stainless steel fittings

Thread Adapters

Female BSPP	Male NPT	Stainless Steel[1] Part #
3"	2"	3020RDSSAP
	3"	3030RDSSAP

[1] PTFE gaskets are standard in stainless steel fittings

Cam & Groove Adapter

Female BSPP	Stainless Steel[1] Part #
3"	300ASSSAP

[1] PTFE gaskets are standard in stainless steel fittings

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Bayonet 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 cannot then be disconnected until the valve handle is closed
- Swivels have standard ZERK fittings
- Replacement parts available; contact Dixon® for more information

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

90° Swivel Couplers x Female NPT

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

Straight Couplers x Female NPT

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

Keyed Straight Couplers x Female NPT

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

Straight Swivel Couplers x Female NPT

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

Keyed Straight Swivel Couplers x Female NPT

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

Straight Swivel

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

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Bayonet 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 cannot then 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

Adapters x Female NPT

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

Keyed Adapters x Female NPT

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

Adapter x TTMA Flange

Size	Seal Material	Stainless Steel Part #
2"	nitrile rubber	BAF31-200
	FKM	BAF32-200

CouplerDust Plugs

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

Adapter Dust Caps

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

S

Ball Nozzles for Bulk Delivery

Feature

- Rugged construction, high flow provides rapid fuel oil transfer/delivery

Specifications

- Heavy duty roller ball swivel with low temperature seals freely rotates without leaking at **-40°F (-40°C)** and **100 PSI**
- **3 PSI** check valve is included to prevent backflow; **5 PSI** is optional

Nozzles

Female NPT Inlet	Outlet Type	Anodized Aluminum Part #
1-1/4"	swivel quick fill nut	BL062
1-1/2"	swivel quick fill nut	BL064
1-1/4"	1-1/4" spout	BL066
1-1/2"	1-1/4" spout	BL068
1-1/2"	1-1/2" spout	BL072
1-1/4"	1-1/4" female NPT	BL066NS
1-1/2"	1-1/4" female NPT	BL068NS
1-1/2"	1-1/2" female NPT	BL072NS
2"	2" spout	BL920

BL062

Replacement Spouts

Size	Replacement For	Aluminum Part #
1-1/4"	BL066, BL068	1143A
1-1/2"	BL072, BL919	1125A
2"	BL920	391137

BL072

Repair Kits

Repair Kits for Ball Nozzles (BL066, BL068, BL072, BL919)	
Description	**Part #**
inlet swivel seal and wear kit	SWMF-RK2
complete inlet swivel rebuild kit	SWMF-RK3
1-1/2" FNPT replacement inlet swivel	SWMF-RK4
1-1/4" FNPT replacement inlet swivel	SWMF-RK5
1-1/2" BSPP replacement inlet swivel	SWMF-RK6
replacement swivel outlet (BL062, BL064)	BL005
ball valve shaft seal kit	BL-RK4
complete ball nozzle seal kit	BL-RK10
optional check valve **5 PSI** spring kit	BL-RK11
standard check valve **3 PSI** cartridge kit	BL-RK12

BL072NS

Repair Kits for Super Ball Nozzle (BL920)	
Description	**Part #**
inlet swivel grease nipple kit (optional)	SWMF-RK1
inlet swivel seal and wear kit	SWMF-RK22
complete inlet swivel rebuild kit	SWMF-RK32
2" FNPT replacement inlet swivel	SWMF-RK42
1-1/2" FNPT replacement inlet swivel	SWMF-RK52
complete ball nozzle seal kit	BL-RK102
optional check valve **5 PSI** spring kit	BL-RK112
standard check valve **3 PSI** cartridge kit	BL-RK122
replacement trigger kit	BL-RK13

BL920

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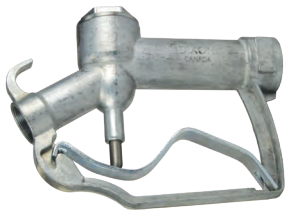
Gravity Utility Nozzles

Application
- For use with 12 volt pumps and gravity flow fittings in economy fuel dispensing applications



900

Feature
- Manual operation (non-automatic)

Specification
- Working pressure: **25 PSI**

Approval
- UL Listed

900W34S

900B

Female NPT Inlet	Outlet Type	Die Cast Zinc Aluminum Part #
1"	1" female UNS	900[1]
	1" straight spout	900S
	1" bent spout	900B
	3/4" straight spout	900W34S
	3/4" bent spout	900W34B
3/4"	3/4" straight spout	900S34[2]
	3/4" bent spout	900B34[2]

[1] Nozzle body only (no spout)
[2] 3/4" nozzle inlet uses 1" x 3/4" reducer bushing, supplied

Replacement Parts

Description	Part #
3/4" replacement straight spout	234-80-4
3/4" replacement bent spout	234-80-5
1" replacement straight spout	875-4
1" replacement bent spout	875-5
trigger	900TK
plunger and valve assemblies, cap, O-ring	900SK

Pressure Nozzles for Bulk Delivery

Features
- Manual operation (non-automatic) for high pressures and fuel flow up to **100 GPM**
- Easy opening dash pot design with shockless closing
- Detachable trigger ratchet, packing gland, and seal
- Bronze trigger

114DNS

Female NPT Inlet	Outlet Type	GPM at 10 PSI	Aluminum Part #
1-1/4"	1-1/4" female NPT	**80**	114DNS
	1-1/4" spout		114D
1-1/2"	1-1/2" female NPT	**100**	112DNS
	1-1/2" spout		112D

114D

Replacement Parts

Description	Part #
aluminum replacement spout for 114D	1143A
aluminum replacement spout for 112D	1125A
main and secondary poppets, cap O-ring, valve stem	112DSK
main and secondary poppets, cap O-ring, valve stem assembly and packing, sleeve stem packing and nut	114DSK

Large Capacity Low Pressure/Gravity Nozzle

Application
- For low pressure/gravity applications

Feature
- Rapid flow due to 1-1/4" oversize design

Specification
- Maximum operating pressure: **25 PSI**

Female NPT Inlet	Outlet Type	Aluminum Part #
1-1/4"	1-1/4" spout	1250-94

Repair Kits

Description	Part #
plunger, O-rings, valve seal, valve base, valve plate	1250SK

Diesel and Gasoline Nozzle Accessories

Materials
- Body: aluminum
- Brass hex nut prevents galling in the nozzle
- Seals: F-7036 FKM
- Retainer: nylon cord

Size	Description	Part #
1-1/2" x 1-1/2"	single plane hose swivel (male adapter x male NPT)	DAWSCL15
2" x 2"		DAWSCL2

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Hose Shank Hose Swivels

Application
- For use with petroleum and home heating oil hose

Feature
- Prevents hose twisting or kinking

Male NPT	Shank Size	Bronze Part #
1-1/2"	1-1/2"	1565U

Repair Kit

Description	Part #
replacement seal kit and retaining ring	1500SK

Heavy Duty Hose Swivels

Features
- Heavy duty internal thrust bearing and anti-friction seal design ensures swiveling at **-40°F** (**-40°C**)
- Can be lubricated without disassembly by using the optional grease nipple kit below

Specification
- Male NPT x female NPT threaded connections

Male NPT	Female NPT	Bayloy Part #
1-1/4"	1-1/4"	SWMF125
1-1/2"	1-1/2"	SWMF150
2"	2"	SWMF200

Repair Kits

Description	Part #
inlet swivel grease nipple kit (optional)	SWMF-RK1
inlet swivel seal and wear kit	SWMF-RK22
complete inlet swivel rebuild kit	SWMF-RK32
2" FNPT replacement inlet swivel	SWMF-RK42
1-1/2" FNPT replacement inlet swivel	SWMF-RK52

Dixon® MannTek Hose Swivels

Features
- Allows the hose to relax to its natural rest position while allowing freedom of movement without adding torque stress at the point of connection
- Simple design, low maintenance - consists of two body halves, ball bearings, and a washer
- FKM seals standard, Chemraz® and Kalrez® optional; contact Dixon®

Specifications
- Working pressure: **150 PSI**
- Maximum temperature: **300°F (149°C)**
- Male NPT x female NPT threaded connections

Size	316 Stainless Steel Part #	Aluminum Part #
3/4"	HS075SS	HS075AL
1"	HS100SS	HS100AL
1-1/2"	HS150SS	HS150AL
2"	HS200SS	HS200AL
3"	HS300SS	HS300AL
4"	HS400SS	HS400AL

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Dixon® Diesel and Gasoline Nozzle Accessories

Single Plane Hose Swivels

Materials
- Body: aluminum
- Brass hex nut prevents galling in the nozzle
- Seals: F-7036 FKM
- Retainer: nylon cord

Size	Part #
3/4" x 3/4"	DAWS34
1" x 1"	DAWS10
1-1/4"	DAWS1414
1-1/2" x 1-1/4"	DAWS1514
1-1/2" x 1-1/2"	DAWS1533
1-1/2"	DAWS15
2"	DAWS22

Multi-Plane Hose Swivels

Features
- Brass male end will not gall in nozzle castings
- Dual O-rings seal with all fuels
- Sleeve gives smooth seal surface – no leaks
- Internal nylon retainer cord secures firmly but allows free rotation

Materials
- Body: machined aluminum casting
- Male end, sleeve: machined brass bar stock

Size	Part #
3/4" male NPT x 3/4" female NPT	DAC3434
1" male NPT x 3/4" female NPT	DAC1034
1" male NPT x 1" female NPT	DAC1010

Breakaways

Features
- Unique ball valves seal both ends when separated
- Design provides consistent and reliable performance
- Lightweight
- Easy to repair

Materials
- Body: aluminum
- Break rings (2): brass
- Seals: F-7036 FKM

Approval
- 3/4" UL Listed

Size	Separation Force (lbs)	Part #
3/4"	325	DAB34
1"	325	DAB1

Breakaways

Application
- Provides breakaway protection for high capacity fueling operations such as truck and bus terminals, mining, off-road fueling, and fuel oil delivery

Materials
- Body: nickel plated aluminum
- Brass break rings: 4 total in 1-1/4" and 1-1/2"; 6 total in 2"
- Seals: F-7036 FKM fluorocarbon rubber
- Check valve – PTFE ball seals both ends when separated

Size	Separation Force (lbs)	Part #
1-1/4"	400	DAB14
1-1/2"	400	DAB15
2"	500	DAB2

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FuelMaster™ Diesel Nozzles

Application
- Truck stops and terminal operations (not designed for use with gravity flow tanks, small 12 volt or AC utility pumps, farm or consumer pumps)

Features
- High flow capacity
- Micro-touch valve provides smooth operation and exceptional flow control
- Roto-matic latch pin provides positive auto shut-off
- Pure PTFE packing eliminates stem leaks
- Easy to change "locknut style" spout assembly
- Green scuff guard

Optional Features
- UL listed versions
- UL listed for use with gas 10% ethanol blend and diesel
- Super tough nylon trigger hold-open clip
- "No pressure, no flow" (NPNF) safety valve prevents the trigger from being held open if pressure is not present

Materials
- Body and spout: aluminum
- Body caps: zinc
- Seals: FKM
- Poppet disk: FKM
- Stem packing: PTFE
- Hand-guard and trigger hold open clip: super tough nylon
- Trigger: steel
- Snap-on cover: plastic
- Scuff guard: vinyl

DFN100HF

Features
- Trigger hold-open clip
- Non-UL Listed nozzles

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Part #
1"	1-3/16"	**35**	DFN100HF
		45	DFN100SF

DFN100SF

Features
- Trigger hold-open clip
- 'No pressure, no flow' safety valve

Approval
- UL Listed nozzle

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Part #
1"	1-3/16"	**35**	DFN100HF-NPNF
		45	DFN100SF-NPNF

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Feature
- No trigger hold-open clip

Approval
- UL Listed nozzle

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Part #
1"	1-3/16"	**35**	DFN100HF-NC
		45	DFN100SF-NC

Big Mouth™ Diesel Nozzles

Application
- Truck stops (not designed for use with gravity flow tanks, small 12 volt or AC utility pumps, farm or consumer pumps)

Features
- Lightweight but strong
- Micro-touch valve provides smooth operation and exceptional flow control
- Roto-matic latch pin provides positive auto shut-off
- Pure PTFE packing eliminates stem leaks
- Super tough nylon hand guard
- Snap-on handle cover makes changing scuff guards easy
- Yellow scuff guard

Optional Features
- UL listed versions
- UL listed for use with gas 10% ethanol blend and diesel
- Super tough nylon trigger hold-open clip
- "No pressure, no flow" (NPNF) safety valve prevents the trigger from being held open if pressure is not present

Materials
- Body and spout: aluminum
- Body caps: zinc
- Seals: FKM/nitrile
- Poppet disk: FKM
- Stem packing: PTFE
- Trigger: steel
- Snap-on cover: plastic
- Scuff guard: vinyl

Features
- Trigger hold-open clip
- Non-UL listed nozzles

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Part #
1"	1-1/8"	**27**	DFN100

DFN100

Features
- Trigger hold-open clip
- With 'no pressure, no flow' safety valve

Approval
- UL listed nozzle

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Part #
1"	1-1/8"	**27**	DFN100-NPNF

Feature
- No trigger hold-open clip

Approval
- UL listed nozzle

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Part #
1"	1-1/8"	**27**	DFN100-NC

DFN100-NC

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Farm and Consumer Nozzles

Application
- Small 12-volt or AC utility pumps, farm or consumer pumps (not designed for use with gravity flow tanks)

Features
- Micro-touch valve provides smooth operation and exceptional flow control
- Pure PTFE stem packing eliminates leaks
- Heavy duty, strong, secure hook makes it easy to hang the nozzle on the pump
- Roto-matic latch pin provides positive auto shut-off
- Smartguard snap-on scuff guard

Materials
- Body and spout: aluminum
- Body caps: zinc or nylon
- Seals: FKM
- Poppet disk: FKM
- Stem packing: PTFE
- Hand-guard and trigger hold open clip: super tough nylon
- Trigger: steel
- Snap-on cover: plastic
- Scuff guard: vinyl

Optional Features
- UL listed versions
- Super tough nylon trigger hold-open clip
- "No pressure, no flow" (NPNF) safety valve prevents the trigger from being held open if pressure is not present

1" diesel nozzle

Features
- Trigger hold-open clip
- Non UL nozzle

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Scuff Guard Color	Service	Part #
3/4"	13/16"	**18**	black	gasoline	DN7UOBF
	15/16"	**23**	green	diesel	DN7LOBF
1"	1-1/8"	**27**	yellow	diesel	DFN100F[1]

[1] Hand-guard and rear back clip: super tough nylon

3/4" gasoline nozzle

Features
- Trigger hold-open clip
- With 'no pressure, no flow' safety valve

Approval
- UL nozzle

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Scuff Guard Color	Service	Part #
3/4"	13/16"	**18**	black	gasoline	DN7UOBF-NPNF
	15/16"	**23**	green	diesel	DN7LOBF-NPNF
1"	1-1/8"	**27**	yellow	diesel	DFN100F-NPNF

3/4" diesel nozzle

Feature
- No trigger hold-open clip

Approval
- UL nozzle

NPT Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Scuff Guard Color	Service	Part #
3/4"	13/16"	**18**	black	gasoline	DN7UOBF-NC
	15/16"	**23**	green	diesel	DN7LOBF-NC
1"	1-1/8"	**27**	yellow	diesel	DFN100F-NC

Fuel Nozzle Part Number Cross Reference

Dixon®	M. Carder	OPW	Emco	Husky	Catlow
DN7UOBF	N7UOBF	1AF-40FS	A2501F	XSF-33704	NENLF
DN7LOBF	N7LOBF	11APF-40FS	A2501LF	---	NELF

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DEF Automatic Shutoff Nozzle

Application
- Designed for diesel exhaust fluid applications

Materials
- Spout: stainless steel
- Wetted parts: stainless, acetal, PTFE
- Seal: FKM-A

Specification
- Maximum operating pressure: **20 PSI**
- Aluminum body double coated inside and out with PTFE baked on at **500°F (260°C)**

BSPP Inlet	Spout Outlet	Approximate Flow Rate at 20 PSI (GPM)	Part #
3/4"	13/16"	**18**	DEFN075

High Flow Fueler 100™ Nozzles

Applications
- For fueling trucks, buses, off-road equipment, and fuel oil delivery
- These nozzles are not to be used with gravity flow tanks

Features
- Machined grooves in the spout are designed to hold nozzle more securely in the fill pipe
- High flow, heavy duty automatic nozzle

NPT Inlet	Spout Outlet	Approximate Flow Rate at 30 PSI (GPM)[2]	Approximate Flow Rate at 50 PSI (GPM)[2]	Part #
1-1/4"	1-3/8"	**27-30**	**40-42**	DNOG5-NL[1,2]
		27-30	**40-42**	DNOG5[2]
1-1/2"		**27-30**	**40-42**	DNOG6[2]

[1] Without the locking handle
[2] Nozzle maximum pressure **50 PSI**

NPT Inlet	Spout Outlet	Approximate Flow Rate at 100 PSI (GPM)[3]	Part #
1-1/4"	1-3/8"	**87-90**	DNOG5PL[3]
1-1/2"		**87-90**	DNOG6PL[3]

[3] Nozzle maximum pressure **100 PSI**

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Dixon® MannTek Full Flow Ball Valves

Features
- High flow rate; low pressure drop
- Spindle can be disassembled even when ball valve is installed
- Two ports – one inlet and one outlet

Materials
- Wetted parts are aluminum and stainless steel
- FPM seals

Specifications
- Working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- Standard valve ports – female NPT, socket weld for Schedule 40 pipe and grooved
- Optional ports include DN flange, butt weld, and 150# flange; contact Dixon for details

One-Way Full Flow Ball Valve Female NPT

Size	Aluminum Part #
2"	1WAYBV200
3"	1WAYBV300
4"	1WAYBV400

One-Way Full Flow Ball Valve Socket Weld

Size	Bore	Aluminum Part #
2"	2.390"	1WAYBV200SW
3"	3.530"	1WAYBV300SW

One-Way Full Flow Ball Valve Grooved

Size	Aluminum Part #
2"	1WAYBV200VIC
3"	1WAYBV300VIC

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Dixon® MannTek Full Flow Ball Valves

Features
- High flow rate; low pressure drop
- Spindle can be disassembled even when ball valve is installed
- Three ports – one inlet and two outlets, valve directs the flow from the inlet to either of the two outlets
- Commonly used for switching compartments or tanks

Materials
- Wetted parts are aluminum and stainless steel
- FPM seals

Specifications
- Working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- Standard valve ports – female NPT, socket weld for Schedule 40 pipe, and grooved
- Optional ports include DN flange, butt weld, and 150# flange; contact Dixon for details

Two-Way Full Flow Ball Valve Female NPT

Size	Aluminum Part #
2"	2WAYBV200
	2WAYBV200-SH
3"	2WAYBV300

2WAYBV200

2WAYBV200-SH

Two-Way Full Flow Ball Valve Socket Weld

Size	Bore	Aluminum Part #
2"	2.390"	2WAYBV200SW
3"	3.530"	2WAYBV300SW

Two-Way Full Flow Ball Valve Grooved

Size	Aluminum Part #
2"	2WAYBV200VIC3
3"	2WAYBV300VIC3

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Betts Wet-R-Dri™ Butterfly Valves

Application
- Designed for handling liquid, gaseous, or dry products

Features
- Has a positive stop in the open and closed position
- Detent spring and ball assist in holding the disc in the open and closed position
- Drilling fits TTMA recommended standards
- Opens by turning hand 1/4 turn counterclockwise

Specification
- Temperature range: **0°F** to **400°F (-18°C** to **204°C)**

Manual

Size	Maximum Working Pressure PSI	Extruded aluminum body with FKM-B disc Part #
2"	75	WD201ALVB
3"		WD301ALVB
4"		WD401ALVB
5"		WD501ALV
6"		WD601ALV
8"		WD801ALV

Metering

Size	Maximum Working Pressure PSI	Extruded aluminum body with FKM-B disc Part #
2"	75	WD206ALVB
3"		WD306ALVB
4"		WD406ALVB
5"		WD506ALV
6"		WD606ALV
8"		WD806ALV

Replacement Handles

Part #	Description
28967ALEY	replacement handle for 2", 3", 4", and 5" manual handle valves
25933AL	replacement handle for 6" and 8" manual handle valves
28981ALEY	replacement handle for 2", 3", 4", and 5" metering handle valves
26287AL	replacement handle for 6" and 8" metering handle valves

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

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Rapp-it Repair Kit 1066
Rapp-it pipe repair kit display 1066

Thread Tape and Sealant 1067-1068
PTFE thread tape 1067
American made (purple) 1067
Industrial (white) 1067
Stainless steel (gray) 1067
Industrial heavy duty (pink) 1067
For LP gas (yellow) 1067
Thread sealant paste 1067
Joint sealant gasket material 1068
Leak detector 1068

Sight Glass End Caps 1069

Topping Gun 1069

Sprays and Gels 1069-1070
Food grade penetrating oil 1069
PürGel klear 1070
Food grade anti-seize 1070
Stainless Steel cleaner and polish 1070

Coupling Inserters 1071
Coupling inserter for large hose 1071
Coupling inserter with 5 ton ram 1071

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Testing Equipment 1072-1073
Hand hydrotest pump 1072
Electric test pump 1072
Hydrostatic test pumps 1072
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Sprinkler system gauges (UM-393) 1073
Line test gauges 1073
Three way gauge valve 1073
PITOT gauge 1073
Sprinkler line tester 1073

Accessories 1074-1077
Dixon® hose saddles 1074
Dixon® coupling lubricant 1074
WD-40® smart straw 1075
Dixon soft hose mallet 1075
Dixon hose knife 1075
Diameter tape 1076
Screw pitch gauge 1076

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Safety tape 1077
Stretch straps 1077
Pick head fire axe 1077

Hose and Cable Protection 1078-1081
Flame retardant product 1078
Standard product 1078
Fire jacket 1079
Fire jacket tape 1079
Non adhesive fire tape 1079
Fiberglass sleeving 1080
Kevlar® protective sleeves 1080
Nylon protective sleeves – MSHA accepted 1080
Spring guard 1081
Continuous spring guard 1081
GSM ball-joint armored hose assemblies 1081

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Rapp-it Pipe Repair Kits

Applications
- On-site emergency pipe repair in varied industrial applications: mining, processing, oil and gas, petrochemical, manufacturing, marine, and agricultural industries for use with steel, poly, PVC, copper, and concrete

Sizes
- 2" x 12', 3" x 12', 4" x 12', 4" x 16', 4" x 30'

Features
- No mixing or measuring required; easy to apply
- Quickly contains leaking substances, keeping a workplace safe
- Tenacious bond: 5 to 10 min.; functional cure: approx. 30 min.
- One product that can be used on a vast array of pipe sizes, shapes, and materials
- Suitable for use on acid lines, gas, most diluted chemicals, sea water, fuels, and oil
- Chemical resistance: resistant to hydrocarbons, ketones, esters, alcohols, halocarbons, aqueous salt solutions, dilute acids/bases
- Suitable for wet or dry pipe: apply under fresh and saltwater

Materials
- Bandage: woven fiberglass
- Resin: water-activated polyurethane resin

Specifications
- Pressure resistance up to **360 PSI (2,500kPA)**
- Shore D hardness at full cure (24 hours): 80 durometer
- Lap shear tensile strength on steel (1" x 1" x 1/16") 400kg **(6.2MPa)**
- Compressive strength **8,000 PSI (55 MPa)**
- Temperatures:
  Continuous **-40°F** to **250°F (-40°** to **121°C)**
  Intermittent **-40°F** to **300°F (-40°** to **149°C)**
  Heat resistance: **300°F (150°C)**

Approval
- NATO Certification 4730-66-1257893

Size	Description	Part #
2" x 12'	kit includes woven fiberglass bandage infused with water-activated resin and a 90 mm stick of Rapp-it steel putty	RAP122
3" x 12'		RAP123
4" x 12'		RAP124
4" x 16'		RAP164
4" x 30'		RAP304

Rapp-it Pipe Repair Kit Display

Features
- Rapp-it pipe repair kit not included
- Displays up to six Rapp-it repair kits
- Display box must be assembled by customer

Size	Description	Part #
9-1/2" L x 11-1/2" W x 16" H	display includes box, 30 full-color repair kit product flyers, and one pipe sample; Repair kit product is not included, see display fill	RAPDISPLAY
---	display fill includes (2) repair kits of each size (10 kits total); display not included	RAPDISPLAYFILL

American Made PTFE Thread Tape (Purple)

Features
- Superior quality
- Not for use in oxygen applications

Specifications
- Temperature range: **-450°F** to **500°F (-268°C** to **260°C)**
- Thickness: 3.5 mil (0.0035 mm)

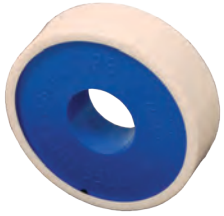
Size	Length	Part #
1/2"	520"	TTPM50-520
	700"	TTPM50-700
	1429"	TTPM50-1429
3/4"	520"	TTPM75-520
	700"	TTPM75-700
	1429"	TTPM75-1429
1"	520"	TTPM100-520
	700"	TTPM100-700
	1429"	TTPM100-1429

Industrial PTFE Thread Tape (White)

Feature
- Not for use in oxygen applications

Specifications
- Thickness: 3.5 mil (0.0035 mm)
- Temperature range: **-212°F** to **500°F (-136°C** to **260°C)**

Size	Length	Part #	Opt Qty
1/2"	260"	TTA50	550
	520"	TTB50	500
	1296"	TTC50	250
3/4"	260"	TTA75	350
	520"	TTB75	350
1"	520"	TTB100	250



Stainless Steel PTFE Thread Tape (Gray)

Application
- Useful on stainless steel threaded joints or connections

Features
- Not for use in oxygen applications
- PTFE with nickel added, nickel acts like a ball bearing
- Made in the U.S.

Specifications
- Thickness: 4 mil
- Temperature range: **-450°F** to **550°F (-268°C** to **288°C)**

Size	Length	Part #	Opt Qty
1/2"	260"	TTA50SS	10

Industrial Heavy Duty PTFE Thread Tape (Pink)

Feature
- Not for use in oxygen applications

Specifications
- Thickness: 4 mil
- Temperature range: **-400°F** to **500°F (-240°C** to **260°C)**

Size	Length	Part #	Opt Qty
1/2"	540"	TTBP50	500

PTFE Thread Tape for LP Gas (Yellow)

Feature
- Not for use in oxygen applications

Approval
- Underwriters Listed

Specifications
- Thickness: 4 mil
- Maximum temperature: **500°F (260°C)**

Size	Length	Part #	Opt Qty
1/2"	260"	TTA50LP	500

T

Thread Sealant Paste

Application
- Not for use in oxygen applications

Specification
- Temperature range: **-50°F** to **400°F (-45°C** to **204°C)**

Size	Part #	Opt Qty
1/4 pint	LCTS14	24
1/2 pint	LCTS1	24
1 pint	LCTS2	12
1 quart	LCTS3	12

Joint Sealant Gasket Material

Features
- GORE-TEX interchangeable
- Form-in-place expanded PTFE gasket material with adhesive backing
- Manufactured from 100% virgin PTFE
- Unaffected by all common chemicals (pH from 0-14)
- Unlimited shelf life
- Resilient with low cold flow
- Requires less force than standard gasket materials
- Made in the USA
- Larger spools are available; consult Dixon® for price and availability

Specifications
- Pressure range: **vacuum** to **3000 PSI**
- Temperature range: **-450°F** to **600°F (-268°C** to **316°C)**

Approval
- FDA compliant #21CFR177.1550

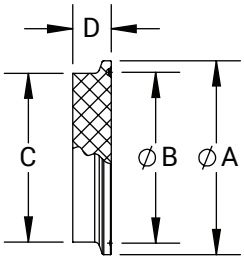
Size	Length	Part #
1/4"	20'	LCJS4-20
1/4"	50'	LCJS4-50
3/8"	25'	LCJS6-25
1/2"	15'	LCJS8-15
3/4"	15'	LCJS12-15

T

Sight Glass End Caps – B5416MP

Feature
- For use on any line with a clamp and gasket

Specifications
- Maximum temperature: **150°F (66°C)**
- Maximum operating pressure: **100 PSI**



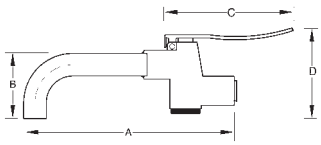
Tube O.D.	A (in)	B (in)	C (in)	D (in)	Acrylic Plastic Part #
1" - 1-1/2"	1.98	1.72	1.68	.50	B5416MP-A100150
2"	2.52	2.22	2.19	.50	B5416MP-A200
2-1/2"	3.05	2.78	2.71	.50	B5416MP-A250
3"	3.58	3.28	3.22	.50	B5416MP-A300
4"	4.68	4.34	4.26	.50	B5416MP-A400
6"	6.57	6.18	6.13	.50	B5416MP-A600
8"	8.57	8.17	8.22	.50	B5416MP-A800

Topping Gun – BTG

Features
- Squeeze handle for easy opening and control
- Spring loaded trigger for positive shutoff

Materials
- 304 stainless steel
- Seals and gaskets: EPDM

Specifications
- 1/2" female NPT inlet
- 3/4" O.D. tube outlet



A (in)	B (in)	C (in)	D (in)	Part #
8.094	3.38	4.75	4.56	BTG-G50

Repair Kits

Description	Part #
replacement handle	BTG-HANDLE
repair kit - 1pc each - spring, piston, piston gasket (1/2" EPDM), plunger, plunger O-ring (nitrile rubber), cap O-ring (I.D. 17.0mm t 2.0mm nitrile rubber)	BTG-KIT

NOTE: Engineering dimensions are available upon request. Specifications are subject to change without notice.

Jax Food Grade Penetrating Oil

Features
- NSF H1 registered for incidental food contact
- Colorless, odorless, and tasteless
- Quickly frees corroded parts
- Protects metal from corrosion
- Lubricates moving parts

Description	Part #
16 fl.oz. trigger spray bottle	LUPO-16

T

PürGel Klear

Features
- Pure white, FDA approved kosher petrolatum for use as a release agent
- Use for any assembly, barrier or release applications holding O-rings, gaskets, coating cutting blades, or augers

Approval
- Meets FDA 21 CFR Part 172: Food Additive Permitted for direct addition to food for human consumption and Part 178: Indirect Food Additives

Description	Part #
8 oz. squeeze tube	LUPG-08

Food Grade Anti-Seize

Features
- Non-toxic and non-drying
- Lubricates threads
- Forms leak-proof seals
- Prevents corrosion
- Resists water and steam

Approval
- NSF H1 registered for incidental food contact

Description	Part #
8 oz. bottle with brush-top cap	LUAS-08

Stainless Steel Cleaner and Polish

Features
- Repels water – beads up like wax
- Provides high-gloss protective shield
- Dissolves tarnish
- Rubs in completely, with no dust or residue

Approval
- A7 Registered for use in federally-inspected facilities

Description	Part #
14 oz. aerosol can	LUCP-14

NOTE: All products shipped with MSDS (Material Safety Data Sheets).

T

Coupling Inserters for Large Hose

Size
- Inserts 4", 5", 6", 8", 10", and 12" couplings

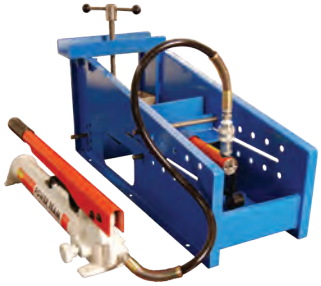
Features
- Includes CI96AH pump (shown below)
- Portable
- Coupling inserter pusher plates (not shown) must be purchased separately

Part #
CI9

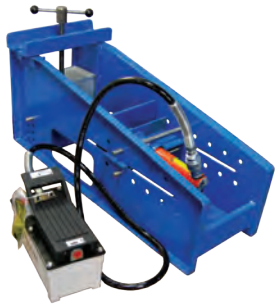
Hose I.D.	Part #
4" - 5"	45CIPUSH
6" - 8"	68CIPUSH
10" - 12"	1012CIPUSH

Coupling Inserters

Application
- For insertion of hose shanks into hose with a 2-3/4" to 7-1/4" O.D.



CI96



CI96AH

Description	Part #
inserter with **10,000 PSI** hand pump and 5 ton ram	CI96
inserter with **10,000 PSI** air/hydraulic pump and 5 ton ram	CI96AH
small jaws for 1" to 2-3/4" O.D. hose	CI9311SML

Hung Up On Dixon® Hose Racks

Application
- Can be used for fire or water hose

Features
- 5 pre-drilled 5/16" mounting holes for easy mounting
- Two racks can be bolted face to face to create extra hose capacity

Material
- Aluminum

Description	Dimensions	Weight (lbs.)	Part #
singe hose rack	19-1/2" x 6" x 9-3/16"	3.4	DHR1
double hose rack	19-1/2" x 12" x 9-3/16"	7.1	DHR2

T

Hand Hydrotest Pump

Application
- Designed for use in testing pipe lines, pressure tanks, and pressure vessels

Feature
- Uses check valves, which are more efficient and longer lasting than poppet systems

Material
- Stainless steel piston

Specifications
- Cylinder displacement: 1.37 cu. in.
- **0 -1000 PSI** pressure gauge, 10' high pressure hose and quick disconnect coupler included
- Piston: 7/8" with 2" stroke
- Working pressure: **1000 PSI** at **70°F (21°C)**

NPT Inlet	NPT Outlet	Aluminum Part #
1/2"	1/2"	HHTP

Hydrostatic Test Pumps

Electric Test Pump

Features
- 110 volt Portable Hydrostatic Electric Pump - Model (ETP)
- Quick connect garden hose coupler for water supply line available

Specifications
- **3000 PSI** maximum test pressure
- **1.3 GPM** fill rate (at **60 PSI** inlet water pressure)
- 1/2" x 25' intermediate hose with brass straight-thru quick coupler x NPSM swivel connection
- 1/2" brass straight-thru plug on pressure outlet
- **0 – 3000 PSI** back mount liquid filled pressure gauge

Part #
ETP

Pneumatic Test Pump

Features
- Stainless interior
- Air gauge for quick, easy adjustment of maximum test pressure
- High pressure test gauge
- Filter/regulator for clean, dry air to ensure long life of unit
- On - off valve for air input
- 20' of hose included
- Easy to use: portable hand cart mount or stationary wall mount available
- Use of coalescing filter and water filter recommended for prolonged pump life

Specifications
- **5.5 GPM** fill rate
- Test pressure: **0** to **1500 PSI**

Hand Cart Mount Part #	Wall Mount Part #
PTP	PTP-WM
PTP-N[1]	PTP-N-WM[1]

[1] Includes Series 1 filter/regulator

NOTE: for accessories go to dixonvalve.com.

T

Sprinkler System Gauge (UL-393)

Application
- Specifically designed for the fire sprinkler industry

Size
- 1/4" NPT lower mount

Features
- Bourdon tube pressure gauges with black polycarbonate case
- Snap-in clear polycarbonate window, 4" face
- White aluminum dial with stop pin, black and red markings
- Black aluminum non-adjustable pointer

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

Approvals
- ASME B40.1 Grade B (+ 3/2/3% accuracy)
- UL Listed and FM Approved for fire sprinkler service

Type	Part #
water (**0-300 PSI**)	SWG300-4

Line Test Gauges

Application
- Used for testing static or flowing pressures in hoses or nozzles

Features
- Rocker lug swivel
- Other sizes and threads are also available; contact Dixon®

Specifications
- Supplied with **0-300 PSI** glycerine-filled 3-1/2" diameter gauge
- Freeze proof to **-40°F** (**-40°C**)

NST (NH) Thread	Hardcoated Aluminum Part #
1-1/2"	ALTG150F
2-1/2"	ALTG250F

Three Way Gauge Valve

Application
- Permits checking or replacing a gauge without shutting down the whole line

Material
- Disc: rubber

NPT Thread	Working Pressure (PSI)	Brass Part #
1/4"	**175**	TWGV25

PITOT Gauge

Feature
- Supplied with handle grip, case, and fire stream/friction loss data

Specification
- Liquid-filled gauge: **0-160 PSI** is standard, other pressures available; contact Dixon

Part #
PG8083

Sprinkler Line Tester

Application
- Installs on the last sprinkler head on system branch lines and controls water flow for flushing or testing the system

Inlet	Outlet	Brass Part #
1" female NPT	1" male NPSH	SLT10050

T

New

Dixon® Hose Saddles

aluminum

polyurethane with D-ring (-D)

polyurethane with D-ring (-ED)

polyurethane with hook eye (-H)

Applications

- Used in applications where suspending hoses off the ground improves ergonomics for the operator and helps prevent damage to the hose assembly. Fueling stations, hydraulic hose, industrial hose, skid and drum loading, pumping operations, and mines.

Materials

- 1" through 12" polyurethane
- 2" through 4" Aluminum
- Nylon slings

Sizes

- 1" through 12"

Features

- Designed to prevent hose kinking and collapsing reducing premature hoses failures
- Easy installation with no hand tools required for polyurethane and simple hand tools for aluminum
- Polyurethane are rated from **-40°** to **130°C**
- Slings are replaceable when worn or damaged

Hose I.D.	Part #	Material	Sling Style	Weight (lbs)	Weight Capacity (lbs)
1"	DHS-100-ED	polyurethane	nylon with metal D-ring	2.87	1763.70
1-1/4"	DHS-125-ED			3.31	1763.70
1-1/2"	DHS-150-ED			3.53	1763.70
2"	DHS-200-ED			2.20	1763.70
	DHS-200-D			2.20	1763.70
	DHS-200-H		nylon with hook eye	2.20	1763.70
3"	DHS-300-D		nylon with metal D-ring	2.65	1763.70
	DHS-300-H		nylon with hook eye	2.65	1763.70
4"	DHS-400-D		nylon with metal D-ring	3.97	1763.70
	DHS-400-H		nylon with hook eye	3.97	1763.70
6"	DHS-600-H			12.13	8818.48
8"	DHS-800-H			26.46	13227.72
10"	DHS-1000-H			44.09	14109.57
12"	DHS-1200-H				
2"	2DHH	aluminum	nylon with galvanized shackle	2.56	2000.00
3"	3DHH			2.65	2000.00
4"	4DHH			2.75	2000.00

Dixon® Coupling Lubricant

Application

- For use in assembly operations involving natural or synthetic rubber or plastic; also an excellent lubricant when rubber or plastic needs to be cut, machined, pressed, turned, trimmed, or ground

Features

- Biodegradable lubricant for coupling shanks, O-rings, hoses, sleeves, rubber washers, and grommets
- Once coupling lubricant dries, slipping action goes away

Size	Part #
1 liter	DCL20
4 liters	DCL80

T

Spill Kits

55 Gallon Open Head Drum with Lever Lock

Application
- Spills of oil and other petroleum-based fluids

Features
- X-rated DOT-approved
- Absorbency: up to 48.9 gal. per package.
- Non-incinerable

Size	Part #	Description
24" x 40" L	SPKO-55	yellow 55 gallon drum w/spill kit label, pads, sorbent socks and pillows, nitrile gloves, safety goggles, disposal bags w/ ties, guidebook, and tamper proof seal

Emergency Spill Kit

Application
- Spills of oil and other petroleum-based fluids

Features
- Yellow tinted bag kit is perfect to tuck into a truck to handle leaks on the road
- Absorbency: up to 3.7 gal. per package.
- Non-incinerable

Size	Part #	Description
23" W x 17" L x 2" H	SPKO-YTB	yellow resealable bag, disposal bag w/ties, pads, sorbent socks, and nitrile gloves

WD-40® Smart Straw

Features
- Permanently attached straw
- Flip up for a precision spray; flip down for regular spray action
- Sold in case quantities only
- Should not be used as a lubricant for coupling shanks

Size	Part #	Case Qty
11 oz	WD40	12

Dixon® Soft Hose Mallet

Application
- Soft mallet for pounding metal objects without damaging them

Features
- Head material is firmly attached to strong shaft-handle and will not crack
- Length: 24"
- Weight: 10 lbs.

Part #
DCM1

Dixon Hose Knife

Application
- For fast cutting of rubber hose and belting

Feature
- Guard protects hand while cutting

Part #
DRK15

Diameter Tape

Application
- 6' tape for quickly finding the outside diameter of any cylindrical object

Features
- Converts circumference to O.D. at the measured point
- ABS case

Part #
DDT1

Screw Pitch Gauge

Application
- Used to determine threads per inch

Feature
- 30 leaves

Stainless Steel Part #
TPG

Safety Tag

Application
- Dixon® strongly recommends the use of a safety tag or warning label on all hose assemblies

Feature
- Sold in quantities of 100 only

Length	Width	Part #
5"	2-3/8"	DWL100

WARNING!!
- Air, steam, gas, and liquids under pressure are potentially dangerous. Failure to follow proper procedures can result in serious injury or death to personnel as well as substantial damage to property or equipment.
- Assemblies should be periodically inspected and pressure tested.
- Worn-out hoses and fittings should be replaced.
- Loose clamps can be dangerous. Bolt-type clamps must be retightened regularly.
- Retaining devices such as clips, chains, or cables should be used.

WARNING: Misuse of this product can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been tested and approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

WARNING: Worn-out hose couplings can be dangerous. Coupling users should be trained in proper use, application, and the use of safety devices where indicated. Training should also include how to inspect for wear, so couplings are replaced when needed.

Safety Tape

Application
- Dixon strongly recommends the use of a safety tag or warning label on all hose assemblies

Feature
- Length of tape - 55 yards, approximately 255 warnings

Length	Part #
1-1/2"	DSTW

WARNING!!
- Worn-out hose fittings should be replaced
- Loose clamps on hose can be dangerous
- Bolt type clamps should be retensioned regularly
- For extra safety, retaining devices such as clips, chains, or cables must be used

Stretch Straps

Features
- Durable tie down straps
- Length does not include S-hooks

Materials
- Made of EPDM
- S-hooks are steel

Length	Part #
10"	SSE10
15"	SSE15
21"	SSE21
31"	SSE31
41"	SSE41

WARNING!!
Failure to comply with this warning may result in serious damage and/or personal injury.
Maximum end to end safe stretch = 150% of length

- Do not exceed maximum safe stretch
- Inspect before each use, do not use if strap is cut, cracked, or abraded
- Inspect hooks for damage and/or wear, replace if needed
- Protect strap from sharp edges or heat
- Wear eye protection during use
- Do not use this product as the primary tie down
- Refer to federal or state regulations for proper tie down methods

Pick Head Fire Axe

Size
- 36" hickory handle

Feature
- Red trim

Approval
- Listed in the minimum requirements approval guides for outfitting hose houses and hose cabinets by insurance underwriters

Description	Part #
6 lb. axe	PHFA6
axe brackets	PHFA-B-A

T

Spiral Hose and Cable Protection

Applications
- Used in mining, quarrying, forestry, offshore industries, and most hydraulic hose applications

Features
- Crush and high abrasion resistance
- Virgin high density polyethylene
- Chemical and UV ray resistant
- Self-lubricating to reduce hose wear
- Easy to install on-site
- Smooth radius on all edges
- Can be used on single or multiple hose bundles
- Spiral guard I.D. is equal to the guard at rest
- Sold in coil lengths only

Flame Retardant Product

Features
- Flame retardant, self extinguishing, anti static
- Color: black

Specification
- Temperature range: **-148°F** to **262°F (-100°C** to **128°C)**

Approval
- Approved by MSHA #1C-282

Nominal I.D.	Coil Length	Part #
.50"	66'	FRSGX16
.62"	66'	FRSGX20
.875"	66'	FRSGX25
1.00"	66'	FRSGX32
1.50"	66'	FRSGX40
1.75"	66'	FRSGX50
2.00"	66'	FRSGX63
2.63"	66'	FRSGX75
3.00"	66'	FRSGX90
4.00"	40'	FRSGX110

Standard Product

Feature
- Not flame retardant

Specification
- Temperature range: **-40°F** to **240°F (-40°C** to **115°C)**

Nominal I.D.	Coil Length	Part #
.50"	66'	NFSGX16
.62"	66'	NFSGX20
.875"	66'	NFSGX25
1.00"	66'	NFSGX32
1.50"	66'	NFSGX40
1.75"	66'	NFSGX50
2.00"	66'	NFSGX63
2.63"	66'	NFSGX75
3.00"	66'	NFSGX90
4.00"	33'	NFSGX110
4.57"	40'	NFSGX125
5.00"	27'	NFSGX140
5.87"	20'	NFSGX160[1]

[1] Stock quantity only

NOTE: Additional sizes available; contact Dixon®.

T

Fire Jacket for Hose

Application
- Used to protect hose and hose assemblies, tubing, piping, wiring, and cables from high temperatures, direct flame, or molten splash

Size
- Supplied in 50' lengths

Features
- Helps maintain line temperature and reduce environmental overheating and overcooling
- Sleeving slides easily over hose and expands to go over fittings
- Resistant to hydraulic fluids and lubricating oil
- Iron oxide red color
- Made in USA

Material
- Compounded silicone rubber coating over fiberglass

Specification
- Temperature range: **-65°F** to **500°F (-54°C** to **260°C)**

Approvals
- Completely non-asbestos, REACH - RoHS compliant
- Meets flammability requirements of UL 94 HB and UL 94 V-0

Nominal I.D.	Part #
1/4"	0610-4
3/8"	1010-6
1/2"	1310-8
5/8"	1610-10
3/4"	1910-12
7/8"	2210-14
1"	2510-16
1-1/4"	3210-20
1-1/2"	3810-24
1-3/4"	4510-28
2"	5110-32
2-1/2"	6410-40
3"	7610-48
4"	10210-64

Fire Jacket Tape

Application
- Used to seal the ends of fire jackets to prevent fraying and fluid wicking

Features
- Completely non-asbestos
- Iron oxide red color
- Made in USA

Specification
- Temperature range: **-45°F** to **380°F (-45°C** to **200°C)**

Size	Length	Silicone Rubber Part #
1"	12 yards	FTH100

Non-Adhesive Fire Tape

Features
- Fluid resistant to hydraulic fluids and lubricating oils
- Should be installed in a spiral wrap utilizing 30% to 50% overlap
- Iron oxide red color
- Made in USA

Material
- Fiberglass coated silicone rubber

Specification
- Temperature range: **-65°F** to **500°F (-54°C** to **260°C)**

Width	Length	Fiberglass Coated Silicone Rubber Part #
3"	50'	4055-3

T

Fiberglass Sleeving

Features
- Braided from texturized E-glass filament yarns. Untreated tubing is flexible and expands to cover changing diameters
- Supplied in a continuous length of 100'
- Made in the USA

Specifications
- Thermal insulation protection in applications with service temperatures up to **1000°F (538°C)**
- 1/16" wall thickness

Nominal I.D.	Fiberglass Part #
1/4"	LW04200
3/8"	LW06200
1/2"	LW08200
5/8"	LW10200
3/4"	LW12200
7/8"	LW14200
1"	LW16200
1-1/4"	LW20200
1-1/2"	LW24200
2"	LW32200
2-1/2"	LW40200
3"	LW48200
3-1/2"	LW56200
4"	LW64200

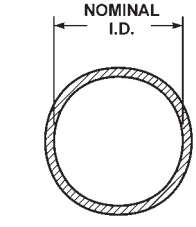
Kevlar® Protective Sleeves

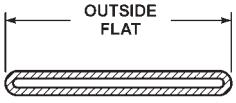
Features
- Braided, cut-resistant 100% genuine Kevlar fiber sleeve provides excellent flexibility
- Provides protection for hydraulic hoses, full lines, wires, cables, and many other systems
- 3000 denier ballistic grade Kevlar; nonirritating fiber
- Made in the USA

Specification
- Working temperature: continuous **320°F (160°C)**

Sleeve I.D.	100' spool Part #
1/2" (13 mm)	KS08200
3/4" (19 mm)	KS12200
1" (25 mm)	KS16200
1-1/4" (32 mm)	KS20200
1-1/2" (38 mm)	KS24200
1-3/4" (44 mm)	KS28200
2" (51 mm)	KS32200
2-1/2" (64 mm)	KS40200
3" (76 mm)	KS48200
3-1/2" (89 mm)	KS56200
4" (102 mm)	KS64200

Nylon Protective Sleeves – MSHA Accepted





Features
- Woven tubular sleeving, for use as a protective covering on hydraulic and industrial hose
- Tight weave of seamless tubular sleeving helps dispense the flow of fluid in a ruptured hose
- Not continous roll/has splices

Approval
- MSHA accepted, withstands temperatures up to **275°F (135°C)**, passes flammability tests

Nominal I.D.	Outside Flat	100' rolls Part #	300' rolls Part #
0.90"	1.50"	DHS90-100	DHS90-300
1.00"	1.66"	DHS100-100	DHS100-300
1.13"	1.88"	DHS106-100	DHS106-300
1.25"	2.13"	DHS122-100	DHS122-300
---	---	---	---
1.42"	2.50"	DHS142-100	DHS142-300
---	---	---	---
1.78"	2.88"	DHS175-100	DHS175-300
1.91"	3.00"	DHS181-100	DHS181-300
2.18"	3.63"	DHS219-100	DHS219-300
2.38"	3.88"	DHS238-100	DHS238-300
2.65"	4.25"	DHS263-100	DHS263-300
2.86"	4.75"	DHS288-100	DHS288-300
3.65"	5.88"	DHS366-100	DHS366-300

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Spring Guard

Application
- Protects hose against the effects of flexing at its most vulnerable point, immediately behind the coupling

Features
- Optional end tang allows end guard to be secured under a clamp or ferrule
- Wire fits most hose O.D.s from 1/2" to 3-1/4." Contact Dixon® for custom sizes or lengths

With Tang

Guard I.D.	Wire Gauge	Overall Length	Tang Length	Approx. # of Coils/Ft.	Galvanized Steel Part #	304 Stainless Steel Part #
3/4"	0.175	12"	1"	33	SEGC1-0.75-12	SEGS1-0.75-12
1"	0.175	12"	1"	33	SEGC1-1.00-12	SEGS1-1.00-12
1-1/4"	0.175	14"	2"	39	SEGC1-1.25-14	SEGS1-1.25-14
1-1/2"	0.175	14"	2"	39	SEGC1-1.50-14	SEGS1-1.50-14
1-3/4"	0.175	16"	2"	44	SEGC1-1.75-16	SEGS1-1.75-16
2"	0.280	16"	2"	44	SEGC1-2.00-16	SEGS1-2.00-16
2-1/2"	0.280	18"	2"	50	SEGC1-2.50-18	SEGS1-2.50-18
3"	0.280	18"	2"	50	SEGC1-3.00-18	SEGS1-3.00-18

Without Tang

Guard I.D.	Wire Gauge	Overall Length	Approx. # of Coils/Ft.	Galvanized Steel Part #	304 Stainless Steel Part #
3/4"	0.175	12"	33	SEGC0-0.75-12	SEGS0-0.75-12
1"	0.175	12"	33	SEGC0-1.00-12	SEGS0-1.00-12
1-1/4"	0.175	14"	39	SEGC0-1.25-14	SEGS0-1.25-14
1-1/2"	0.175	14"	39	SEGC0-1.50-14	SEGS0-1.50-14
1-3/4"	0.175	16"	44	SEGC0-1.75-16	SEGS0-1.75-16
2"	0.280	16"	44	SEGC0-2.00-16	SEGS0-2.00-16
2-1/2"	0.280	18"	50	SEGC0-2.50-18	SEGS0-2.50-18
3"	0.280	18"	50	SEGC0-3.00-18	SEGS0-3.00-18

Continuous Spring Guard

Application
- Protects hose from external abrasion and helps resist over flexing

Features
- Fits tight to hose reducing the potential for snagging
- Contact Dixon at 888.226.4673 for custom lengths or sizes

Guard I.D.	Wire Gauge	Overall Length	Approx. # of Coils/Ft.	Galvanized Steel Part #	304 Stainless Steel Part #
3/4"	0.175"	25'	33'	CWG-C-0.75-25	CWG-S-0.75-25
1"	0.175"	25'	33'	CWG-C-1.00-25	CWG-S-1.00-25
1-1/4"	0.175"	25'	33'	CWG-C-1.25-25	CWG-S-1.25-25
1-1/2"	0.175"	25'	33'	CWG-C-1.50-25	CWG-S-1.50-25
1-3/4"	0.175"	25'	33'	CWG-C-1.75-25	CWG-S-1.75-25
2"	0.280"	25'	33'	CWG-C-2.00-25	CWG-S-2.00-25
2-1/2"	0.280"	25'	33'	CWG-C-2.50-25	CWG-S-2.50-25
3"	0.280"	25'	33'	CWG-C-3.00-25	CWG-S-3.00-25

GSM Ball-Joint Armored Hose Assemblies

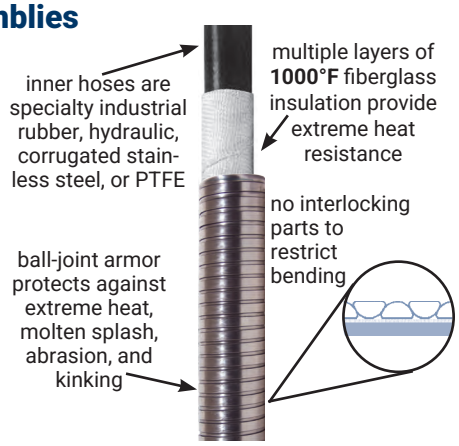
Applications
- Includes but not limited to: water cooling hose, oxygen supply hose, hydraulic hose, natural gas hose, black liquor hose, steam hose

Size
- 1/4" - 12"

Features
- Extremely flexible armor protects from heat, slag splash, and harsh environments
- Temperature rating depends on specific applications; consult Dixon
- A variety of end connections are available. Contact Dixon® at 888.226.4673

Materials
- Armor: galvanized steel or stainless steel
- Wide selection of inner hoses specific to the demands of the application are industrial, hydraulic, stainless steel, or PTFE

Specification
- Heat resistant insulation to **1000°F**



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Pressure Washer Display

The pressure washer display offers a wide variety of nozzles for different types of angles and sprays. This display is easily customizable and provides space for additional pressure washing products.

PART #: PW-RETAILKIT

Features
- Retail packaging
- Retail display signage
- Posters
- Barcodes

NOTE: Shelving is not included.

Pressure Washer Display Blue Bins

Application
- To be used with E-Series hydraulic couplings above

Description	Required Case Qty	Part #
1 bin with bin labels - 11" x 8" x 7"	1	PW-BLU-BINS
5 bins with bin labels - 7-1/2" x 4" x 3"	1	
5 bins with bin labels- 11" x 4" x 4"	1	

E-Series Hydraulic Couplings

Features

- Couplers have no internal valves, which provides maximum flow with minimum pressure drop
- Contact Dixon for additional seal material options
- Contact Dixon for pressure ratings and other technical information
- Interchanges with Parker ST, Foster FST, Hansen ST, and Tomco ST couplings
- Do not disconnect with pressure in line

Specification

- Nitrile rubber seals are standard, providing a temperature range of **-40°F** to **250°F** (**-40°C** to **121°C**)

Straight Through Female Threaded Couplers

Body Size	Threads	Required Case Qty	Brass Part #
1/4"	1/4" - 18 NPTF	20	PW-2EF2-B
3/8"	3/8" - 18 NPTF	20	PW-3EF3-B

Straight Through Male Threaded Couplers

Body Size	Threads	Required Case Qty	Brass Part #
1/4"	1/4" - 18 NPTF	20	PW-2EM2-B
3/8"	3/8" - 18 NPTF	20	PW-3EM3-B

steel

brass

Straight Through Female Threaded Plugs

Body Size	Threads	Required Case Qty	Steel Part #	Brass Part #
1/4"	1/4" - 18 NPTF	20	---	PW-E2F2-B
3/8"	3/8" - 18 NPTF	20	PW-E3F3	PW-E3F3-B

steel

brass

Straight Through Male Threaded Plugs

Body Size	Threads	Required Case Qty	Steel Part #	Brass Part #
1/4"	1/4" - 18 NPTF	20	---	PW-E2M2-B
3/8"	3/8" - 18 NPTF	20	PW-E3M3	PW-E3M3-B

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Swiveling Quick Couplings

Application
- For use with AL456 only

Specifications
- Working pressure: **3,650 PSI**
- Flow rate: **7.8 GPM**
- Maximum temperature: **300°F (149°C)**

Description	Required Case Qty	Part #
1/4" female x 22 mm x 1.5 mm swivel	4	PW-AL450
3/8" female x 22 mm x 1.5 mm swivel	4	PW-AL453

PW-AL450

PW-AL453

Fixed Quick Coupling Plugs

Application
- For use with AL453 and AL9 only

Specifications
- Working pressure: **3,650 PSI**
- Flow rate: **7.8 GPM**
- Maximum temperature: **300°F (149°C)**

Description	Required Case Qty	Part #
1/4" female x 22 mm x 1.5 mm male	4	PW-AL454
3/8" female x 22 mm x 1.5 mm male	4	PW-AL456

PW-AL454

PW-AL456

Quick Connect Spray Nozzles

Description	Required Case Qty	Part #
1/4" straight through plug inlet, 0° spray angle, size #4, red	4	PW-MSP400
1/4" straight through plug inlet, 15° spray angle, size #4, yellow	4	PW-MSP415
1/4" straight through plug inlet, 25° spray angle, size #4, green	4	PW-MSP425
1/4" straight through plug inlet, 40° spray angle, size #4, white	4	PW-MSP440

Multi-Pack Quick Connect Nozzles

Description	Nozzles Included	Required Case Qty	Part #
1/4", 65° spray angle, size #40	NZ6540QCS	4	PW-MSP4PAK
1/4", 15° spray angle, size #4, yellow	MSP415		
1/4", 25° spray angle, size #4, green	MSP425		
1/4", 40° spray angle, size #4, white	MSP440		

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Turbo Nozzles

PW-AL-TPR25-30

PW-AL-TPR25-50

Features
- 20° spray angle
- Ceramic orifice

Specification
- Maximum temperature: **212°F (100°C)**

Nozzle Size	Description	Orifice	Maximum Working PSI	Required Case Qty	Part #
4.0	1/4" female inlet	1.30 mm	**3,700**	2	PW-AL-TPR25-30
5.5 - 6.0	1/4" female inlet	1.50 mm	**3,700**	2	PW-AL-TPR25-50

Pressure Washer Spray Nozzles

Description	Required Case Qty	Part #
1/4" male inlet, 40° spray angle, size #40, brass	4	PW-NZ4040S
1/4" male inlet, 80° spray angle, size #40, brass	4	PW-NZ8040S
1/4" male NPT inlet, 15° spray angle, size 4, steel	4	PW-NZ1504 [1]
1/4" male NPT inlet, 25° spray angle, size 4, steel	4	PW-NZ2504 [1]
1/4" male NPT inlet, 40° spray angle, size 4, steel	4	PW-NZ4004 [1]

[1] 400-Series stainless steel parts

Anti-Fatigue Pressure Spray Gun

Sizes
- 3/8" female inlet
- 1/4" female outlet

Feature
- Anti-fatigue pressure compensating design

Specification
- Temperatures to: **320°F (160°C)**

Maximum PSI	GPM	Required Case Qty	Part #
5075	**12.0**	4	PW-HPSG

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Pressure Spray Gun - Molded Grip Extension

PW-AL323XX

PW-AL324XX

Application
- For use with HPSG, HPSGC, HPSGHD, and HPSGW

Specifications
- Maximum operating pressure: **5,000 PSI**
- Temperature: **302°F (150°C)**
- Maximum flow rate: **10.5 GPM**

Length	Description	Required Case Qty	Zinc Part #
24"	1/4" male inlet x 1/4" male outlet	4	PW-AL323XX
36"	1/4" male inlet x 1/4" male outlet, 4" space from the end	4	PW-AL324XX

Poster

Description	Required Case Qty	Part #
pressure washer accessories poster	1	PW-POSTER

Sign Holder

Description	Required Case Qty	Part #
end cap sign holder	2	SIGNHOLDER

End Cap Sign

Description	Required Case Qty	Part #
pressure washer accessories end cap sign	1	PW-SIGN

Shelf Graphic

Description	Required Case Qty	Part #
Dixon® shelf graphic	2	SHELFGRAPHIC

Garden Hose Display

The garden hose fittings display offers a range of adapters and connectors, along with two styles of hoses. This display reminds your customers of their garden hose-related needs: demanding industrial clean up or at-home projects.

PART #: GHD-RETAILKIT

Features
- Retail packaging
- Retail display signage
- Posters
- Barcodes

NOTE: Shelving is not included.

GHT Ball Valve

Specifications
- Maximum temperature: **140°F (60°C)** (hot water)
- Working pressure: **100 PSI**

Description	Required Case Qty	Forged Brass Part #
3/4" male GHT x female GHT	6	GHD-500GHV

Quick Connects

Feature
- Easy push-pull ring for long-lasting and quick hose attachments

Specifications
- Maximum operating pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- Maximum temperature: **140°F (60°C)**

Description	Required Case Qty	Kit Contains Part #	Brass Part #
complete assembly, female GHT coupler x male GHT plug	6	500QCF (2)	GHD-500QCK
		500QCM	

Short Shank Fittings

Features
- Extended male GHT - deeper thread
- Complete coupling set is shipped unassembled

Description	Required Case Qty	Kit Contains Part #	Brass Part #
3/4" ID hose fittings male and female	6	5851212C	GHD-5891212K
		5881212C	

Menders

Hose Size	Required Case Qty	Kit Contains Part #	Brass Part #
3/4"	6	1781212C (2)	GHD-1781212C

Sweeper Nozzle

Thread Size	Discharge	Length	Required Case Qty	Brass Part #
3/4" GHT	3/16"	2"	6	GHD-PSN76

Adjust-A-Power Nozzle

Application
- Ideal for patio, auto and boat, driveway, and garden

Features
- Produces 50% more power than twist nozzles
- Does not require a washer
- Leave nozzle in the open position when not in use
- Brass construction with stainless steel bearings

Specification
- Maximum operating pressure: **100 PSI** (water only) at ambient temperature **70°F (21°C)**

Thread Size	Required Case Qty	Brass Part #
3/4" GHT	6	GHD-AAPN75GHT

Twist Nozzle

Specification
- Maximum operating pressure: **150 PSI** (water only)

Thread Size	Length	Required Case Qty	Extruded Brass Part #
3/4" GHT	4"	6	GHD-500AN4

Insulated Water Nozzle

Features
- Clip locks to any spray pattern
- Industrial strength nylon handle
- Rubber handle guard
- GHT thread-on head
- Heavy-duty brass valve and adjusting nut

Specification
- For use with hot water up to **140°F (60°C)**

Thread Size	Required Case Qty	Chrome-Plated Zinc Part #
3/4" GHT	4	GHD-SN75

Washers

Filter Washers

Description	Kit Contains Part #	Required Case Qty	FDA black PVC duro, 70a Part #
304 stainless steel mesh, FDA black 70a duro PVC	5911212F (4)	6	GHD-5911212F

Black SBR Washers

I.D.	O.D.	Duro	Kit Contains Part #	Required Case Qty	Black SBR Part #
0.60"	1.02"	80	5911212W (4)	100	GHD-5911212W

Female GHT Adapter

Female x Female	Required Case Qty	Brass Part #
3/4" x 3/4"	6	GHD-5061212C

Hydrant Adapters - Pin Lug

Female NH	Male GHT	Required Case Qty	Cast Brass Part #
1-1/2"	3/4"	4	GHD-HA1576
2-1/2"	3/4"	4	GHD-HA2576

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Y Coupler

Specifications
- Maximum working pressure: **100 PSI**
- Maximum temperature: **140°F (60°C)**

Description	Required Case Qty	Nickel-Plated Forged Brass Part #
double male GHT x female GHT	6	GHD-500YCF

Y Valve

Feature
- Double Y valve, swivel inlet - with Higbee cut threads (capped) to prevent cross threading

Specifications
- Maximum temperature: **140°F (60°C)** (hot water)
- Working pressure: **100 PSI**

Description	Required Case Qty	Forged Brass Part #
double male GHT x female GHT	6	GHD-500GHY

Plain Hose Nozzles

Feature
- Finish: satin

Specification
- Maximum operating pressure: **100 PSI** (water only) at **70°F (21°C)**

Size	Thread	Overall Length	Orifice	Required Case Qty	Brass Part #
3/4"	GHT	6"	1/4"	6	GHD-BN6

GHT 4-Valve Manifold

Feature
- Swivel inlet

Materials
- Cast brass body, TPR handle, POM internal valve NBR seals

Specifications
- Maximum temperature: **120°F (49°C)**
- Maximum operating pressure: **100 PSI**

Description	Required Case Qty	Part #
(4) male GH x female GHT	4	GHD-500GH4VBK

Constant Flow Nozzle Displays

Application
- Shatter-resistant and UV-resistant polycarbonate is able to withstand tough environmental conditions

Features
- Seals used for true water shut off
- Easy twist spray pattern adjustment
- Sold in case quantity only (25 per case), with display

Thread	45° Spray GPM at 100 PSI	Color	Required Case Qty	Part #
3/4" GHT	**25.1**	clear	1	GHD-CNB75GHT-GD
	25.1	green	1	FNB75GHT-GD

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Worm Gear Clamps

Features
- Four-piece construction
- Screw design: 5/16" slotted hex head
- Maximum recommended torque: 50 in. lbs.
- All clamps sold 10 per box

Materials
- Band and housing: SAE 300 series stainless
- Screw: SAE 300 series stainless

Approval
- Clamp meets SAEJ1508, which supersedes Mil Spec WW-C-440B

Band Width	Hose O.D.		Kit Contains Part #	Required Case Qty	Part #
	From	To			
1/2"	1/2"	29/32"	HSS8	40	GHD-HSS8
	11/16"	1-1/14"	HSS12	40	GHD-HSS12

Rubber Vinyl Garden Hose

Features
- Extra tough, five-ply construction
- Exclusive, soft textured, abrasion-resistant green cover
- Dual reinforced, heavy-duty, flexible kink-resistance
- Combines durability of rubber and easy handling of vinyl
- SEAL-TITE leakproof coupling

Specifications
- Working pressure: **400 PSI**
- Temperature range: **0°F** to **140°F (-18°C** to **60°C)**

Size	Required Case Qty	Rubber Vinyl Part #
5/8" x 50'	2	GHD-SGH50

Contractors EPDM Water Hose

Features
- Heavy-duty, crush-proof solid brass couplings with wrench grips
- Spiral synthetic cord reinforcement
- Black cover

Specifications
- Working pressure: **150 PSI**
- Temperature range: **-20°F** to **180°F (-29°C** to **82°C)**

Size	Required Case Qty	EPDM Part #
3/4" x 50'	2	GHD-CWH50

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Clamp Rack

Size
- Rack with clamps contains nine clamp sizes with diameter ranges from 7/32" to 2-3/4"

Features
- Sign identifies each clamp size and diameter range
- Clamps included are: 30 of part# MH4, 30 of part# MH6, 20 of part# HS10, 20 of part# HS12, 20 of part# HS20, 20 of part# HS24, 20 of part# HS28, 20 of part# HS32, 20 of part# HS36

Material
- Top load metal rack made of nickel plated steel rods with enameled steel sign

Description	Required Case Qty	Part #
with 200 clamps	1	CRWC

Poster

Description	Required Case Qty	Part #
garden hose fittings poster	1	GHD-POSTER

Sign Holder

Description	Required Case Qty	Part #
end cap sign holder	2	SIGNHOLDER

End Cap Sign

Description	Required Case Qty	Part #
garden hose fittings end cap sign	1	GHD-SIGN

Shelf Graphic

Description	Required Case Qty	Part #
Dixon shelf graphic	2	SHELFGRAPHIC

Pneumatic Display

The pneumatic fittings display offers several parts, from FRLs to quick disconnects, while keeping a single product focus. This display gives your customers the flexibility to choose which fittings work best with their pneumatic systems.

PART #: PND-RETAILKIT

Features
- Retail packaging
- Retail display signage
- Posters
- Barcodes

NOTE: Shelving is not included.

B07-Series Carded Miniature Filter/Regulators

Features
- Relieving type
- 5 micron element
- 1 oz. reservoir
- Push-to-lock adjusting knob
- Supplied with a GC620 gauge
- Bowl guard not available
- Transparent bowl

Specifications
- Pressure range: **5-100 PSI**
- Inlet pressure: **150 PSI** maximum
- Maximum temperature: **125°F (52°C)**

Port Size	Flow (SCFM)	Required Case Qty	Automatic Drain Part #	Manual Drain Part #
1/4"	14	4	PND-B07-202AGC	PND-B07-202MGC

F07-Series Carded Miniature Filters

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

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

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

R07-Series Carded Miniature Regulator

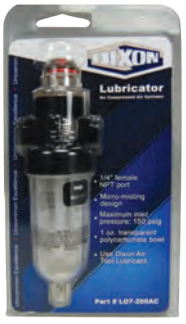
Features
- Relieving type
- Supplied with a GC620 gauge

Specifications
- Pressure range: **5-100 PSI**
- Inlet pressure: **250 PSI** maximum
- Maximum temperature: **150°F (66°C)**

Port Size	Flow (SCFM)	Required Case Qty	With Gauge Part #
1/4"	15	4	PND-R07-200RGC

L07-Series Carded Miniature Lubricator

Feature
- 1 oz. reservoir



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

Port Size	Flow (SCFM)	Required Case Qty	With Transparent Bowl Part #
1/4"	14	4	PND-L07-200AC

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

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

Heavy Duty Tire Pressure Gauge

Size
- 12" hose with swivel dual foot chuck inflator

Feature
- Tapered chuck nut fits wheel cover holes on cars and light trucks

Specification
- Calibrated in **2 PSI** increments from **10** to **120 PSI**

Required Case Qty	Part #
3	PND-D101

Tire Inflator Chuck

Application
- For direct connection to live air only

Features
- Ball foot chuck
- Features a built-in shutoff valve (will not work on inflator gauges)

Specifications
- 1/4" NPT female thread
- Maximum pressure: **150 PSI**

Required Case Qty	Brass Part #
6	PND-D104

Dual Foot Tire Pressure Gauge

Feature
- Heavy-duty hang-up ring

Specification
- Calibrated in **2 PSI** increments from **10** to **150 PSI**

Required Case Qty	Part #
6	PND-DFG2

Professional Tire Pressure Gauge

Features
- Permanently lubricated
- Easy to read, dual calibrated (**PSI** and **kPa**), four-sided nylon indicator bar
- Pocket clip

Material
- Body is made of chrome-plated brass; head is chrome-plated zinc

Specification
- Calibrated in **1 PSI** increments from **5** to **45 PSI**

Required Case Qty	Part #
6	PND-DFG5

Male NPTF x Hose Barb

Hose I.D.	Male NPTF	Required Case Qty	Kit Contains Part #	Brass Part #
3/8"	1/4"	6	1020604C (4)	PND-1020604C

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5 Part Kit DF-Series Industrial 1/4" Body x 1/4" Thread

Body Size	Threads	Required Case Qty	Kit Contains Part #	Part #
1/4"	1/4" - 18 NPTF	6	D2F2	PND-DQCKIT1
			2FF2-B	
			D2M2 (3)	
1/4"	1/4" - 18 NPTF	6	D2F2	PND-DQCKIT2
			2DF2-B	
			D2M2 (3)	

2 Part Kit M-Series ARO 1/4" Body x 1/4" Thread

Body Size	Threads	Required Case Qty	Kit Contains Part #	Part #
1/4"	1/4" - 18 NPT	6	2MF2-B	PND-DQCKIT3
			M2M2	

2 Part Kit J-Series Automotive 1/4" Body x 1/4" Thread

Body Size	Threads	Required Case Qty	Kit Contains Part #	Part #
1/4"	1/4" - 18 NPT	6	2JF2-B	PND-DQCKIT4
			J2M2	

2 Part Kit DF-Series Industrial 1/4" Body x 1/4" Thread

Body Size	Threads	Required Case Qty	Kit Contains Part #	Part #
1/4"	1/4" - 18 NPTF	6	D2M2	PND-DQCKIT5
			2FF2-B	

2 Part Kit DF-Series Industrial 1/4" Body x 1/4" Thread

Body Size	Threads	Required Case Qty	Kit Contains Part #	Part #
1/4"	1/4" - 18 NPTF	6	2FM2-B	PND-DQCKIT6
			D2F2	

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Non-Safety Rubber Tip Blow Gun

The rubber tip will not scratch or mar delicate surfaces. The conical rubber tip can also be used to create a seal between the blow gun and fluid lines (or any other opening). The base of the tip is nickel-plated brass for additional corrosion resistance. *Must be used on air lines having a maximum regulated pressure of* **30 PSI** *in order to comply with OSHA Standard 1910.242 (B). Safety glasses or shield must be worn when using any blow gun.*

Features

- Chrome plated zinc die cast body, nickel plated steel lever, vinyl thumb grip, stainless steel spring, brass valve, nitrile rubber seals, and rubber tip with a nickel plated brass base provide corrosion resistance

Required Case Qty	Part #
6	PND-D201

Air Chief Safety Blow Gun

The Air Chief safety blow gun is designed to conform to OSHA Standard 1910.242 (B) permitting a maximum of **30 PSI** outlet pressure when dead ended based on a maximum of **150 PSI** inlet pressure, as well as OSHA Standard 1910.95 regulating occupational noise level exposure. *Safety glasses or shield must be worn when using any blow gun.*

Features

- Recessed internal slotted screw allows easy access to valve assembly for repairs or replacement
- Chrome plated zinc die cast body, nickel-plated steel lever, vinyl thumb grip, stainless steel spring, brass valve, nitrile rubber seals, and nickel plated brass tip combine for corrosion resistance

Required Case Qty	Part #
6	PND-D204-30

3 in 1 Manifold

Features

- Supplies three air-operated tools from a single hose, permitting use of air by more than one mechanic
- Can be mounted to a pipe at workbench or overhead
- Different tools in the shop use different styles of couplers; mount three different style couplers on one manifold

NPT Inlet (1)	NPT Outlets (3)	Required Case Qty	Aluminum Part #
3/8"	1/4"	6	PND-D3406

Pinch-On Clamp Service Kit

Features

- Plastic kit box contains zinc plated 2-ear clamps: 15 of part #0709, 15 of part #0811, 15 of part #1113, 15 of part #1315, 15 of part #1518, 12 of part #1720, 12 of part #2023, 12 of part #2225, 12 of part #2327, and 1 pair of standard jaw pincers, part# 1098

Required Case Qty	Part #
2	PND-SK1098

ABS Standard Dry Gauges Kit-Retail Package

Description	Kit Contains Part #	Required Case Qty	ABS Part #
dry gauge center back mount	GC230 (4)	1	PND-GAUGEKIT1
dry gauge lower mount	GL130 (7)		

Polyurethane Air Hose
(fittings included)

Features
- Durable and lightweight
- Reinforced braid allows for higher working pressure
- Excellent flexibility
- Oil resistant
- Durometer: Shore A 85

Specifications
- Temperature range: **-40°F** to **155°F (-40°C** to **68°C)**
- Working pressure: **210 PSI** at **70°F (21°C)**

Hose I.D.	Length	Male NPT	Required Case Qty	Polyurethane Part #
1/4"	50'	1/4"	3	PND-450-4S

Coil-Chief Self-Storing Air Hose
(fittings included)

Feature
- Supplied with swivel on one end

Material
- Nylon construction

Hose I.D.	Length	Male NPT	Working Pressure PSI at 70°F (21°C)	Required Case Qty	Nylon Part #
1/4"	12'	1/4"	**185**	3	PND-CC1412

Polyurethane Self-Storing Air Hose
(fittings included)

Features
- Extremely flexible; resists kinking
- Impervious to abrasions and oil
- Superior elasticity and coil memory
- Both ends swivel

Hose I.D.	Length	Male NPT	Working Pressure PSI at 70°F (21°C)	Required Case Qty	Polyurethane Part #
1/4"	25'	1/4"	**125**	3	PND-PU1425

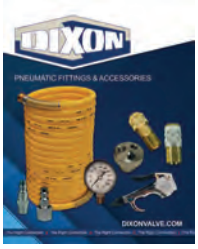
Air Tool Lubricants

Application
- High-grade lubricant prolongs the service life of air tools, cylinders, and accessories

Features
- #10 weight lubricant
- Prohibits rust and removes moisture as it lubricates
- Non-corrosive, non-reactive, and does not decompose
- Easy pour spout helps prevent costly spills

Size	Required Case Qty	Part #
1 pint	4	PND-DATL016
1 gallon	2	PND-DATL128

Poster



Description	Required Case Qty	Part #
pnuematic fittings poster	1	PND-POSTER

Sign Holder

Description	Required Case Qty	Part #
end cap sign holder	2	SIGNHOLDER

End Cap Sign

Description	Required Case Qty	Part #
pnuematic fittings end cap sign	1	PND-SIGN

Shelf Graphic

Description	Required Case Qty	Part #
Dixon shelf graphic	2	SHELFGRAPHIC

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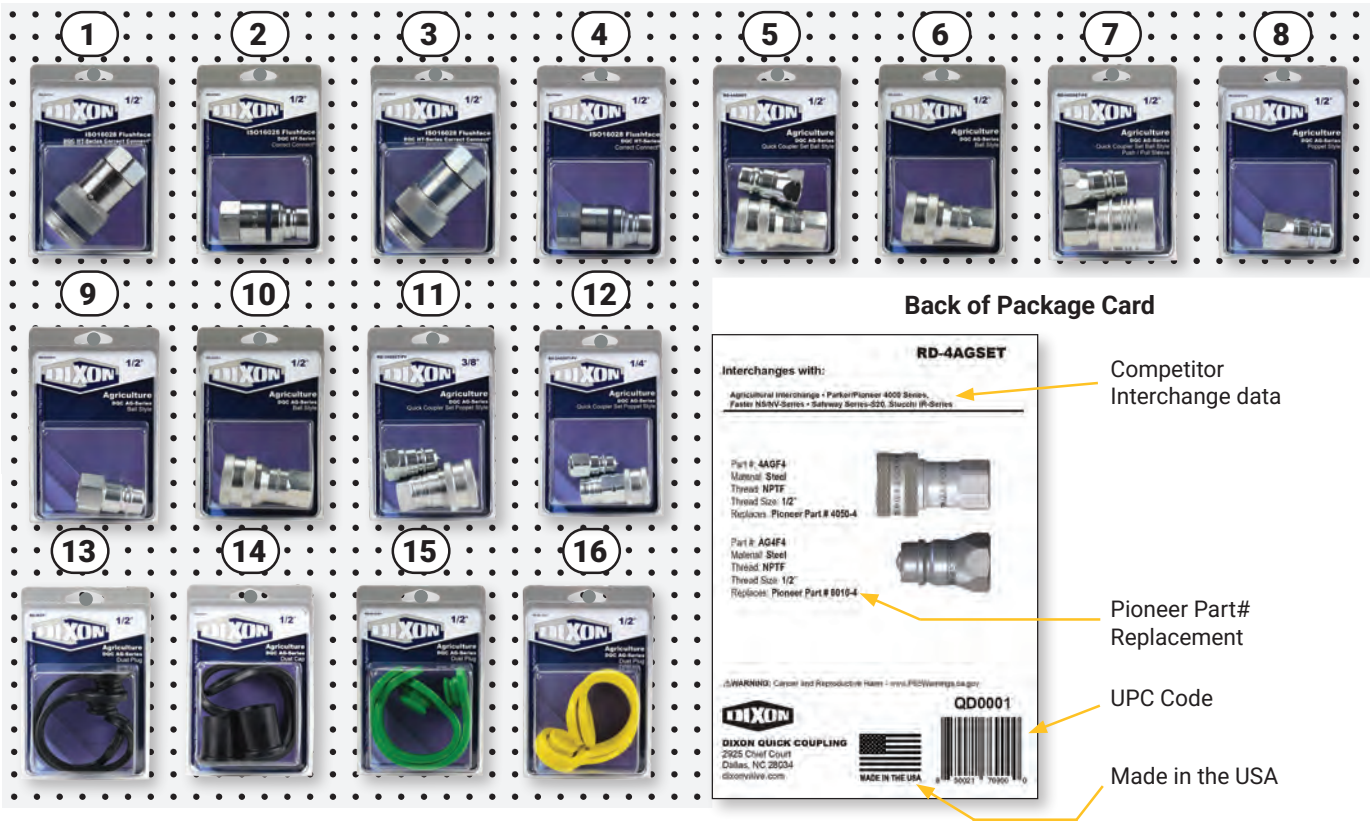
Hydraulic Display

The hydraulic display features the most popular poppet and flush face style quick disconnect fittings in an attractive packaging making it easily noticeable.



PART #: RD-RETAILKIT

Features

- Retail packaging
- Retail display signage
- Posters
- Barcodes

NOTE: Shelving is not included.

HT-Series ISO16028 Coupler

Body Size	Threads	Required Case Qty	Kit Contains Part #	Part #
1/2"	1/2" F-NPTF	4	4HTF4	RD-4HTF4

HT-Series ISO16028 Plug

Body Size	Threads	Required Case Qty	Kit Contains Part #	Part #
1/2"	1/2" F-NPTF	4	HT4F4	RD-HT4F4

HT-Series ISO16028 ORB Coupler

Body Size	Threads	Required Case Qty	Kit Contains Part #	Part #
1/2"	7/8"-14 ORB	4	4HTOF5	RD-4HTOF5

HT-Series ISO16028 ORB Plug

Body Size	Threads	Required Case Qty	Kit Contains Part #	Part #
1/2"	7/8"-14 ORB	4	HT4OF5	RD-HT4OF5

AG-Series Coupler and Plug Set

Body Size	Threads	Required Case Qty	Kit Contains Part #	Part #
1/2"	1/2" F-NPTF	4	4AGF4, AG4F4	RD-4AGSET

AG-Series Coupler

Body Size	Threads	Required Case Qty	Kit Contains Part #	Part #
1/2"	1/2" F-NPTF	4	4AGF4	RD-4AGF4

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AG-Series Push-Pull Ball Coupler and Plug Set

Body Size	Threads	Required Case Qty	Kit Contains Part #	Part #
1/2"	1/2" F-NPTF	4	4AGF4-PS, AG4F4	RD-4AGSET-PS

AG-Series Poppet Plug

Body Size	Threads	Required Case Qty	Kit Contains Part #	Part #
1/2"	1/2" F-NPTF	4	AG4F4-PV	RD-AG4F4-PV

AG-Series Ball ORB Plug

Body Size	Threads	Required Case Qty	Kit Contains Part #	Part #
1/2"	3/4"-16 ORB	4	AG4OF4	RD-AG4OF4

AG-Series Ball Plug

Body Size	Threads	Required Case Qty	Kit Contains Part #	Part #
1/2"	1/2" F-NPTF	4	AG4F4	RD-AG4F4

AG-Series Poppet Coupler and Plug Set

Body Size	Threads	Required Case Qty	Kit Contains Part #	Part #
3/8"	3/8" F-NPTF	4	3AGF3-PV, AG3F3-PV	RD-3AGSET-PV

AG-Series Poppet Coupler and Plug Set

Body Size	Threads	Required Case Qty	Kit Contains Part #	Part #
1/4"	1/4" F-NPTF	4	2AGF2-PV, AG2F2-PV	RD-2AGSET-PV

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AG-Series Dust Cap

Body Size	Color	Required Case Qty	Kit Contains Part #	Part #
1/2"	black	4	K4DC (x2)	RD-K4DC

AG-Series Dust Plug

Body Size	Color	Required Case Qty	Kit Contains Part #	Part #
1/2"	black	4	4KDP (x2)	RD-4KDP

AG-Series Dust Plug – Green

Body Size	Color	Required Case Qty	Kit Contains Part #	Part #
1/2"	green	4	4K-G-DP (x2)	RD-4K-G-DP

AG-Series Dust Plug – Yellow

Body Size	Color	Required Case Qty	Kit Contains Part #	Part #
1/2"	yellow	4	4K-Y-DP (X2)	RD-4K-Y-DP

Outside Air Display

The outside air display features high demand construction hose couplings, whip hose assemblies, and other accessories.

PART #: OA-RETAILKIT

Features
- Retail packaging
- Retail display signage
- Posters
- Barcodes

NOTE: Shelving is not included.

Air King® Safety Clip

Description	Required Case Qty	Contents	Part #
Air King safety clip, diameter .080"	5	AC1 (25)	OA-AC1

Air King Lanyard

Description	Required Case Qty	Contents	Part #
Synthetic Air King lanyard 19" long	5	ACL8 (25)	OA-ACL8

Air King Washers

Description	Required Case Qty	Contents	Part #
Black natural rubber Air King washers	5	AWR4 (10)	OA-AWR4

Soft Seat Safety Pop-Off Valves

Description	Required Case Qty	Contents	Part #
1/4" MNPT safety pop-off valve, brass, **125 PSI**	4	KSV10-125	OA-KSV10-125
1/4" MNPT safety pop-off valve, brass, **150 PSI**	4	KSV10-150	OA-KSV10-150

Steel 3500 Male Nipple

Description	Required Case Qty	Contents	Part #
1/2" barb x 1/2" male NPT 3500 nipple	4	3512	OA-3512

Dix-Lock® Seal Kit

Description	Required Case Qty	Contents	Part #
Dix-Lock seal kit	5	4N-SKIT (5)	OA-4N-SKIT

Dual-Lock Seal Kit

Description	Required Case Qty	Contents	Part #
Dual-Lock seal kit	5	4P-SKIT (5)	OA-4P-SKIT

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Air King®

⚠WARNING

The use of an Air King safety clip or wire type retainer is necessary to ensure Air King universal couplings will not become accidentally disconnected. This guarantees the fittings are properly connected because the safety pin will not go through the holes in mating flanges until couplings are locked in place. Only one Air King safety clip or wire type retainer is required for each Air King universal coupling.

Feature
- Supplied with safety clip and rubber washers, part # AWR4

Specification
- Pressure rating: **150 PSI** at ambient temperature **70°F (21°C)**

Approval
- Meets pressure requirements as specified in A-A-59553 commercial item description superseding Mil Spec.WWC-633D

2-Lug Male NPT Ends

Size	Required Case Qty	Iron Part #
3/4"	6	AM7

2-Lug Female NPT Ends

Size	Required Case Qty	Iron Part #
3/4"	6	AM8

2-Lug Hose Ends

Size	Required Case Qty	Iron Part #
3/4"	6	AM6

Air King Clamps

Application
- For use with Air King ends above

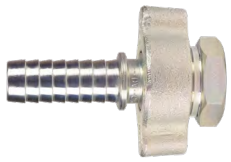
Feature
- Torque values for clamps are based on dry bolts. The use of lubricant on bolts will adversely effect clamp performance ⚠

Hose I.D.	Hose O.D.		Required Case Qty	Torque ft. lbs.	Part #
	From	To			
3/4"	1-8/64"	1-20/64"	6	21	A9[1]

[1] Global investment cast carbon steel

NOTE: Products placed in blue plastic bin with label.

Boss® Ground Joint Couplings with Female Spud



Application
- Leakproof seal forms when the metal head of the stem makes contact with the patented polymer seat in the spud

Features
- Positive metal-to-polymer seal
- Easy to seal

Specification
- Recommended for steam service up to **450°F (232°C)**

Hose Shank x NPT	Required Case Qty	Plated Iron Part #
2"	4	GF81[1]

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

Boss Clamps

⚠WARNING

- The bolts used in the Boss interlocking clamps are not standard bolts. They vary from standard bolts in their length, diameter, overall thread length, and material hardness. These bolts can be retorqued, but it is **not** recommended that the bolts or clamps be reused, as they are designed for a single bend only. Dixon® recommends using only factory supplied replacement bolts.
- Torque values for clamps are based on dry bolts. The use of lubricant on bolts will adversely effect clamp performance. *Do not lubricate nuts and bolts.*
- For all Bolt Tightening Sequences, please visit dixonvalve.com

Features
- Recommended torque rating in ft. lbs.
- Replacement nuts and bolts are available; contact Dixon for more information

Specification
- Recommended for steam service up to **450°F (232°C)**

4-Bolt Type, 2-Gripping Fingers

Hose I.D.	Hose O.D.		Required Case Qty	Torque ft. lbs.	Zinc Plated Iron Part #
	From	To			
2"	2-32/64"	2-50/64"	4	60	BU29

NOTE: Products placed in blue plastic bin with label.

WARNING: Misuse of these products can cause serious injury or even death.

WARNING: Pressurized steam is an extremely dangerous commodity. Only hose, fittings, clamps, and accessory items that have been tested and approved by Dixon for use with Dixon products for steam service should ever be used. Never use an unapproved item for steam service. Always follow the manufacturer's product recommendations for pressurized steam handling.

WARNING: For safety reasons, due to differences in dimensions and tolerances, do not interchange other manufacturer's products with Dixon products.

WARNING: Worn-out hose couplings can be dangerous. Coupling users should be trained in proper use, application, and the use of safety devices where indicated. Training should also include how to inspect for wear, so couplings are replaced when needed.

Dix-Lock® Couplers

Body Size	Thread	Required Case Qty	Part #
1/2"	3/4" barb	5	4NS6

Body Size	Thread	Required Case Qty	Part #
1/2"	3/4"-14 M-NPTF	5	4NM6

Body Size	Thread	Required Case Qty	Part #
1/2"	3/4"-14 F-NPTF	5	4NF6

Dix-Lock Plugs

Body Size	Thread	Required Case Qty	Part #
1/2"	3/4"-14 F-NPTF	5	N4F6

Body Size	Thread	Required Case Qty	Part #
1/2"	3/4" barb	5	N4S6-LS

Body Size	Thread	Required Case Qty	Part #
1/2"	3/4" M-NPTF	5	N4M6-LS

Dual-Lock Couplers

Body Size	Thread	Required Case Qty	Part #
1/2"	3/4" barb	5	4PS6

Body Size	Thread	Required Case Qty	Part #
1/2"	3/4" M-NPTF	5	4PM6

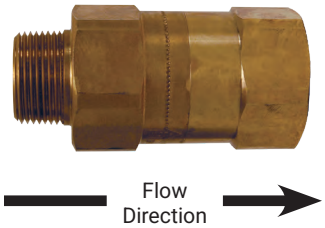
Body Size	Thread	Required Case Qty	Part #
1/2"	3/4" F-NPTF	5	4PF6

Dual-Lock Plug

Body Size	Thread	Required Case Qty	Part #
1/2"	3/4" M-NPTF	5	P4M6

NOTE: Products placed in blue plastic bin with label.

Safety Check Valves



Applications
- Used in temporary plant/factory air lines, construction sites, shipyards, or utilities
- Not for use in applications where 100% of the available air is required, i.e. sand blast, pile driving rigs,expansion joint blow down pipes, etc.

Features
- High flow valve provides optimum performance
- Controls excess air flow (SCFM) in only one direction
- Automatically senses change in air flow and shuts off the flow in the event of a surge in excess of valve flow rating thus preventing hose whip
- Does not prevent backflow

Materials
- Solid brass body and valve
- Stainless steel spring and roll pin

Specifications
- Maximum operating pressure: **350 PSI**
- Maximum temperature: **250°F (121°C)**

Approval
- Conforms to OSHA regulation 1926.302 (b) (7) requiring a safety device at the source of the air supply and at branch air lines

NPT & Hose I.D. Size	Cut-off Flow Rate (SCFM at 90 PSI)	Required Case Qty	Brass Part #
3/4"	132-148	4	SCVJ6
	160-180		SCVS6

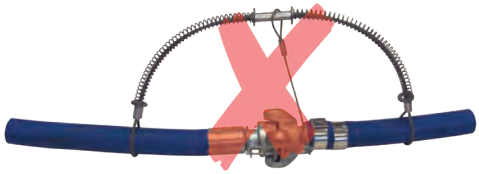
NOTE: Products placed in blue plastic bin with label.

King Cable®

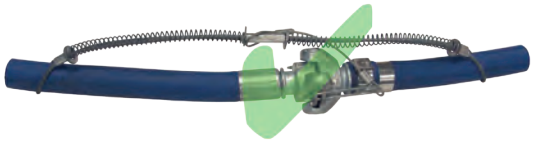
Application
- When hose, couplings, or clamps fail, or there is an accidental separation of the assembly, King safety cables minimize damage to equipment and injuries to operators

Features
- Must be installed in the extended position (no slack)
- Cable reaches across hose fittings to provide standby safety for hose
- Spring-loaded loops in the cable ends open easily to pass over the couplings for a firm grip on the hose
- No tools needed - easy to install and remove
- Cables shipped with safety restraint labels attached
- Highly resistant to rust and corrosion
- Hose-to-hose or hose-to-rigid outlet

Materials
- Wire rope: galvanized carbon steel
- Ferrules: aluminum
- Springs: galvanized carbon steel



Incorrect installation



Correct installation

Hose-to-Tool Service

Hose end — Tool end

Hose I.D.	Cable	Length	Maximum Working Pressure (PSI)	Required Case Qty	Steel Part #
1/2" - 1-1/4"	1/8"	20-1/4"	**200**	4	WSR1

Hose-to-Hose Service

Hose end — Hose end

Hose I.D.	Cable	Length	Maximum Working Pressure (PSI)	Required Case Qty	Steel Part #
1/2" - 1-1/4"	1/8"	20-1/4"	**200**	4	WB1
1-1/2" - 3"	1/4"	38"	**200**		WA2

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In-Line Lubricators

Application
- Protects portable or stationary air tools by efficiently oiling the tool mechanisms; each time an air tool is operated a fine mist of oil is injected into it along with the air from the compressor

Features
- Installation is recommended within 25' of the tool to be lubricated; refer to the arrow for proper air flow direction
- Transparent sight disc allows visual inspection of oil level
- Oil flow regulated by screwdriver screw adjustment, minimum flow rate is 30 SCFM
- Not recommended for constant flow applications
- For reciprocating tools only
- Type of oil to use: any petroleum-based, non-detergent light weight oil (SAE 10/150SSU) which will readily break up into a mist, i.e., Mobil DTE light or comparable oil
  Do not use any synthetic oil or oils containing additives or solvents
- See below for air tool lubricant

NPT Size	Oil Capacity	Maximum Working Pressure at Ambient Temperature (70°F)	Air Flow at 70 PSI	Required Case Qty	Aluminum Part #
1/2"	1.4 fluid ozs.	**500 PSI**	30 SCFM	3	PL300

NOTE: Products placed in blue plastic bin with label.

Air Tool Lubricant

Application
- High-grade lubricant prolongs the service life of air tools, cylinders, and accessories

Features
- #10 weight lubricant
- Prohibits rust and removes moisture as it lubricates
- Non-corrosive, non-reactive, and does not decompose
- Easy pour spout helps prevent costly spills

Size	Required Case Qty	Part #
1 pint	4	DATL016
1 gallon	2	DATL128

Anti-Freeze Lubricant

Application
- Winter grade air tool lubricant prevents air line, air tool, and in-line lubricator freeze-up

Feature
- Can be poured directly into tool or used with air line lubricators

Specification
- Minimum temperature **-45°F (-43°C)**

Size	Required Case Qty	Part #
1 pint	4	DATL016W
1 gallon	2	DATL128W

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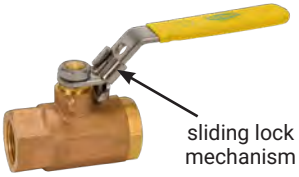
Safety Vented Ball Valves



Application
- For air service only

Specification
- Pressure rating: **0-125 PSI**

Features
- Blow-out proof stem design
- Adjustable packing gland

Approval
- Vent downstream air in accordance with OSHA regulation 1910.147 for pneumatic systems

Materials
- Bronze valve
- Chromium plated ball
- RTFE seats and stuffing box ring

Female NPT	Port	Required Case Qty	Bronze Part #
3/4"	standard	3	BBV75LV

NOTE: Products placed in blue plastic bin with label.

Whip Hose

Description	Required Case Qty	Part #
Whip hose 1/2" x 6', Air King x 7/8" threaded bent stem	1	WH50X6AKBS87

Description	Required Case Qty	Part #
Whip hose 1/2" x 6', Air King x 1/2" threaded bent stem	1	WH50X6AKBS50

Description	Required Case Qty	Part #
Whip hose 3/4" x 6', Air King x 3500 nipple	1	WH75X6AK35

Sign Holder

Description	Required Case Qty	Part #
End cap sign holder	2	SIGNHOLDER

End Cap Sign

Description	Required Case Qty	Part #
Outside air end cap sign	1	OA-SIGN

Blue Bins with Label

Description	Required Case Qty	Contents	Part #
Blue bins with label	1	S-12416 (2) S-13536 (13) S-12414 (5)	OA-BLU-BINS

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Proposition 65 Information

As a company that may sell or distribute Dixon Valve & Coupling Company, LLC ("Dixon") products to California consumers or to other persons or entities that may sell such items to California consumers, Dixon is obligated to notify you of the following:

Dixon is in compliance with the California Safe Drinking Water and Toxic Enforcement Act of 1986 and its supporting regulations ("Proposition 65"), as it provides warnings that comply with a 2015 court-approved settlement. All Dixon products are shipped in cartons with the following warning:

> "**WARNING:** This product contains lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm."

If you sell or distribute Dixon products to California consumers, or to other persons or entities that may sell such items to California consumers, in quantities fewer than a full carton, you must provide this warning to each customer, either by labeling each unit with the above warning, by posting a sign at the point of sale, or by another method.

If you sell Dixon products online to California consumers, you should display this warning message on the product display page, by a clearly marked hyperlink on the product display page, or otherwise prominently displayed to the purchaser before the purchaser completes the purchase of the product.

Dixon will defend and indemnify you if there is a claim made under Proposition 65 for listed chemicals being contained in its products, so long as you have provided the warning per the instructions above. If you sell Dixon products without the warnings we have provided, you are at risk of enforcement and significant penalties.

If you would like more information about the chemicals contained in Dixon products, please visit our website at www.dixonvalve.com. Many product display pages contain material safety data sheets, which list the chemicals contained in the products and the chemical concentrations.

Dixon couplings, adapters, valves, and connectors made of brass may not be sold to California consumers unless such fittings either contain less than 300 ppm of lead when analyzed pursuant to the EPA test method 3050B or equivalent or they are sold or distributed with a clear, reasonable, and conspicuous warning. So long as it is prominently displayed on the product or the packaging of the product, the above warning complies.

Should you need further explanation or assistance in complying with this notice, please do not hesitate to contact Dixon at compliance@dixonvalve.com.

Hose and Hose Coupling Safety

"The very properties that make compressed gases useful in almost every area of modern life can also make them dangerous when mishandled. Years of experience with compressed gases have led to practices and equipment which, if employed, result in complete safety." [1]

Dixon hose couplings have been carefully engineered to meet specific requirements. If hose or couplings are not used in correct applications or are incorrectly applied, accidents and downtime can result. It is up to the end user to inform the distributor of the application and pressures involved when ordering hose assemblies and it is up to the distributor to supply the right hose and coupling for that application. When in doubt, Dixon is here to help you with a proper coupling recommendation.

1. **Air hose couplings** - This form of energy can be one of the most dangerous because it is used in so many applications and, when mishandled, can have more serious results than liquids. Air, as a gas, is compressible (liquids press only against hose or vessel walls and lose little volume under pressure). When pressurized air releases suddenly, it does so with explosive force and can cause rapid hose whip, which can do serious physical harm to personnel or damage to nearby objects. This is why the selection of proper hose and couplings for air lines is so important, along with their proper installation and maintenance. Never take for granted that a coupling is installed properly or a clamp fully tightened on an air hose - check it regularly and use safety devices (see paragraph 4).
2. **Steam and gas** - The same rules apply for steam and gas, but, because these are inherently more hazardous materials, personnel tend to treat hose and couplings on these lines with more respect and care. Checking clamp tightness is very important with steam hose, where it is not unusual for clamps to loosen in service, in which case they must be retightened! Safety devices should also be used (see paragraph 4).
3. **Fluid hose couplings** - Again, nothing should be taken for granted - in particular, check clamps for tightness each time the lines are used - especially when petroleum products or other hazardous liquids are involved. Large diameter hose, when suspended, can also be quite dangerous if it drops unexpectedly due to a coupling "pull-out" or sudden disconnection. A heavy fitting or clamp, plus the weight of the hose itself falling from any significant height, can cause injuries or damage. Be sure to use safety devices (see paragraph 4).
4. **All hose assemblies** - All hose assemblies should be treated with respect as potential hazards. Worn-out fittings should be replaced. Retaining devices such as clips, cables, or chains should be used. Clamps should be checked regularly. Under no circumstances should any coupling be disconnected while under pressure, unless the coupling is specifically designed to do so. Disconnecting couplings under pressure could result in serious injury or death and destruction of property and equipment.

[1] "Handbook of Compressed Gases"

General Safety Information

Pressure Ratings

Pressure ratings for couplings, as stated in this catalog, are based upon ambient temperature **70°F (21°C)** applications with true hose I.D., new Dixon supplied couplings, new Dixon supplied clamps, new quality hose, and proper installation by a qualified assembler using Dixon procedures and equipment. In addition, temperature can affect coupling retention. For temperatures other than ambient (**70°F**), contact the hose manufacturer or call Dixon at 800.355.1991.

Product Selection

Many of the products in this catalog are used in hose assemblies in a variety of applications. The safety of any hose assembly rests on the proper selection, installation, testing, and use of each product. The safe use of any product in this catalog is dependent upon the correct selection of the hose, fittings, and method of attachment. To ensure such a proper selection, the user must inform the distributor of the application and pressure involved when ordering hose assemblies. The use of S.T.A.M.P.E.D. (Size, Temperature, Application, Media, Pressure, Ends, Dixon) will help in the proper selection of hose assembly components (see page 1115). The selection of couplings and clamping devices is the responsibility of the purchaser or user, based upon the hose manufacturer's recommendations. If the purchaser or user is uncertain about the use or application of a product, Dixon stands ready to provide information, including test results (if available), coupling and clamping recommendations, and other data to help resolve those matters.

Installation

To achieve a safe and reliable assembly, proper installation procedures must be followed. Each component of the assembly has a part in determining these procedures. The purchaser or user must follow proper procedures. If the purchaser or user has any questions regarding installation, please contact Dixon®.

Testing

Dixon recommends that all hose assemblies be tested in accordance with the hose manufacturer's recommendations.

Re-testing and Inspection

Dixon recommends inspection and re-testing of hose assemblies on a regular and consistent basis in accordance with the hose manufacturer's recommendations. The application determines the regularity of the inspection and re-testing schedule. Any worn-out fittings, damaged hoses, or missing safety devices should be replaced immediately. Bolt-style clamps must be checked and retightened on a regular and consistent basis.

All hose assemblies should be viewed as potential hazards. This document is designed to inform and educate anyone who manufactures, specifies, supplies, purchases, assembles, uses, maintains, or tests any hose assembly or its component parts. The proper selection and maintenance of hose, couplings, attachment devices, and accessories is imperative.

It is the end user's responsibility to identify to the distributor the application and any special conditions that the hose assembly must meet. It is the distributor's responsibility to supply the proper assembly for the intended application. Accidents and down time may occur if hose assemblies are not properly selected for the specific application.

The performance and safety of the assembly is affected by the quality of the individual components. The use of the acronym S.T.A.M.P.E.D. (Size, Temperature, Application, Media, Pressure, Ends, Dixon) will help in the proper selection of the hose assembly components (see below). If anyone is uncertain about the use or application of a product, Dixon can provide test results, coupling and clamping recommendations, and other data to help resolve those matters. Call 800.355.1991 with any questions.

Be Safe

Hose assemblies must be inspected prior to each use. Worn out fittings, attachment devices, hose, and accessory items must be replaced. Retaining devices (safety devices) such as clips, cables, or chains must be used. Clamps must be checked regularly to the specified torque found in the Dixon literature. Under no circumstance should any coupling be disconnected while under pressure unless the coupling is specifically designed to do so. Disconnecting couplings under pressure could result in serious injury or death, and destruction to property and equipment.

For all hose assemblies in use:

B*eware* - Hose assemblies when used improperly or in the wrong application can be dangerous. The maximum working pressure shown on the hose is not an indication of the working pressure of the assembly. Based on the hose, fittings, and attachment method used, all assemblies should be permanently marked with the designed working pressure and the intended media. The assembly working pressure should be permanently displayed. Hose assemblies must be used for the intended service only. Never alter manufactured product or substitute component parts.

E*liminate* - Eliminate hazardous conditions by inspecting, maintaining, and testing hose assemblies. Dixon recommends that all hose assemblies be tested in accordance with the hose manufacturer's specifications. The application determines the regularity of the re-testing schedule.

S*ecure* - Secure and inspect hose, fittings, clamping devices, and safety accessories before each use. Never take for granted that the coupling or attachment devices are properly installed.

A*lways* - Always inspect and re-tighten the bolts of any bolt style clamping device to the manufacturer's torque specifications.

F*ittings* - Hose fittings and clamping devices that are worn out or damaged must be removed from service.

E*ducate* - Educate your employees about the proper use, care, and potential hazards of hose assemblies. Take advantage of Dixon's free Hose Assembly Safety Program and the follow up Training Seminar to aid you in setting up your own inspection program. Any questions on applications, use or assembly call 800.355.1991.

S.T.A.M.P.E.D.

When fabricating and specifying hose assemblies ask the following questions:

S*ize*: What is the I.D. (inside diameter) of the hose? What is the O.D. (outside diameter) of both ends of the hose? What is the overall length of the assembly required?

T*emperature*: What is the temperature range of the media (product) that is flowing through the hose assembly? What is the temperature range of the environment that surrounds the outside of the hose assembly?

A*pplication*: How is the hose assembly actually being used? Is it a pressure application? Is it a vacuum (suction) application? Is it a gravity flow application? Are there any special requirements that the hose assembly is expected to perform? Is the hose being used in a horizontal or vertical position? Are there any pulsations or vibrations acting on the hose assembly?

M*edia*: What is the media/material that is flowing through the hose assembly? Being specific is critical. Check for: Abrasive materials, chemical compatibility, etc.

P*ressure*: What is the maximum pressure including surges (or, maximum vacuum) that this hose assembly will be subjected to? Always rate the maximum working pressure of your hose assembly by the lowest rated component in the system.

E*nds*: What couplings have been requested by the user? Are they the proper fittings for the application and hose selected?

D*ixon*: Dixon recommends that, based on the hose, fittings, and attachment method used, all assemblies be permanently marked with the designed working pressure and intended media. Do not use other manufacturers' fittings or ferrules with Dixon products due to the differences in dimensions and tolerances We also recommend that all hose assemblies be tested frequently. *Be Safe*: Any questions on application, use, or assembly, call 800.355.1991.

Force Chart

- For hose I.D.s from 1-1/4" to 12", the force in pounds is greater than the **PSI**.
- Force is the dynamic power which is exported longitudinally through a hose, toward the ends. To arrive at the number of pounds of force exerted, you multiply the area of the I.D. x the working pressure being used.
- Area of a circle= $r^2 x \pi$ [3.1416]
- Force = Area x Pressure

Force (In Pounds)

Hose I.D.	25 PSI	50 PSI	75 PSI	100 PSI	150 PSI	200 PSI	250 PSI	300 PSI	500 PSI	1000 PSI
1/4"	1	2	4	5	7	10	12	15	25	49
3/8"	3	6	8	11	17	22	28	33	55	110
1/2"	5	10	15	20	29	39	49	59	98	196
3/4"	11	22	33	44	66	88	110	133	221	442
1"	20	39	59	79	118	157	196	236	393	785
1-1/4"	31	61	92	123	184	245	307	368	614	1227
1-1/2"	44	88	133	177	265	353	442	530	884	1767
2"	79	157	236	314	471	628	785	942	1571	3142
2-1/4"	123	245	368	491	736	982	1227	1473	2454	4909
3"	177	353	530	707	1060	1414	1767	2121	3534	7069
4"	314	628	942	1257	1885	2513	3142	3770	6283	12566
5"	491	982	1473	1964	2945	3927	4909	5891	9818	19635
6"	707	1414	2121	2827	4241	5655	7069	8482	14137	28274
8"	1257	2513	3770	5027	7540	10053	12566	15080	25133	50266
10"	1964	3927	5891	7854	11781	15708	19635	23562	39270	78540
12"	2827	5655	8482	11310	16965	22620	28274	33929	56549	113098

Safety Products and Recommendations in the Dixon® Product List

Safety is everyone's concern!

Dixon provides many safety products designed to protect personnel and property. Recommendations and safety warnings are also included for your review.

Hose and coupling safety ..... page 1115
S.T.A.M.P.E.D. ..... page 1116
EZ Boss-Lock handles ..... page 67
Cam & groove safety clips ..... page 72
Air King® – not to be used for steam statement ..... page 190
KingCable® safety cables ..... page 1110
Safety shutoff valves, OSHA REG. 1926.302 ..... page 924
30 PSI safety blow guns ..... page 287
Safety vented ball valves ..... page 892
Safety tags and safety tape ..... pages 1076-1077
The importance of whip hose statement ..... page 189

Mine Safety and Health Administration (MSHA) Regulations

30 CFR Sections 56.13021 and 57.13021

Except where automatic shut-off valves are used, safety chains or other suitable locking devices shall be used at connections to machines of high-pressure hose line of 3/4" inside diameter or larger, and between high-pressure hose lines of 3/4" inside diameter or larger, where a connection failure would create a hazard.

30 CFR Section 75.1730

(e) Safety chains, suitable locking devices, or automatic cut-off valves shall be used at connections to machines of high-pressure hose lines of 3/4" inside diameter or larger, and between high-pressure hose lines of 3/4" inside diameter or larger, where a connection failure would create a hazard. For purposes of this paragraph, high-pressure means pressure of **100 PSI** or more.

30 CFR Section 77.412

(d) Safety chains or suitable locking devices shall be used at connections to machines of high-pressure hose line of 1" inside diameter or larger, and between high-pressure hose line of 1" inside diameter or larger, where a connection failure would create a hazard.

The regulations may be viewed in full on the MSHA website, msha.gov. Please check the website for updates.

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OSHA Regulations

Standards - 29 CFR, 1910.242 (partial):
(b) Compressed air used for cleaning - Compressed air shall not be used for cleaning purposes except where reduced to less than **30 PSI** and then only with effective chip guarding and personal protective equipment.

Standards - 29 CFR, 1915.131 (partial):
(e) Before use, pneumatic tools shall be secured to the extension hose or whip by some positive means to prevent the tool from becoming accidentally disconnected from the whip.

Standards - 29 CFR, 1926.302 (partial):
(b)(1) Pneumatic power tools shall be secured to the hose or whip by some positive means to prevent the tool from becoming accidentally disconnected.
(b)(2) Safety clips or retainers shall be securely installed and maintained on pneumatic impact (percussion) tools to prevent attachments from being accidentally expelled.
(b)(3) All pneumatically driven nailers, staplers, and other similar equipment provided with automatic fastener feed, which operate at more than **100 PSI** pressure at the tool shall have a safety device on the muzzle to prevent the tool from ejecting fasteners, unless the muzzle is in contact with the work surface.
(b)(4) Compressed air shall not be used for cleaning purposes except where reduced to **30 PSI** and then only with effective chip guarding and personal protective equipment which meets the requirements of Subpart E of this part. The **30 PSI** requirement does not apply for concrete form, mill scale, and similar cleaning purposes.
(b)(5) The manufacturer's safe operating pressure for hoses, pipes, valves, filters, and other fittings shall not be exceeded.
(b)(6) The use of hoses for hoisting or lowering tools shall not be permitted.
(b)(7) All hoses exceeding 1/2" inside diameter shall have a safety device at the source of supply or branch line to reduce pressure in case of hose failure.

Standards - 29 CFR, 1926.306:
(a) General requirements
(a)(1) Application. This section applies to compressed air receivers and other equipment used in providing and utilizing compressed air for performing operations such as cleaning, drilling, hoisting, and chipping. On the other hand, however, this section does not deal with the special problems created by using compressed air to convey materials nor the problems created when men work in compressed air as in tunnels and caissons. This section is not intended to apply to compressed air machinery and equipment used on transportation vehicles such as steam railroad cars, electric railway cars, and automotive equipment.
(a)(2) New and existing equipment.
(a)(2)(i) All new air receivers installed after the effective date of these regulations shall be constructed in accordance with the 1968 edition of the A.S.M.E. Boiler and Pressure Vessel Code Section VIII.
(a)(2)(ii) All safety valves used shall be constructed, installed and maintained in accordance with the A.S.M.E. Boiler and Pressure Vessel Code, Section VIII Edition 1968.
(b) Installation and equipment requirements
(b)(1) Installation. Air receivers shall be so installed that all drains, handholes, and manholes therein are easily accessible. Under no circumstances shall an air receiver be buried underground or located in an inaccessible place.
(b)(2) Drains and traps. A drain pipe and valve shall be installed at the lowest point of every air receiver to provide for the removal of accumulated oil and water. Adequate automatic traps may be installed in addition to drain valves. The drain valve on the air receiver shall be opened and the receiver completely drained frequently and at such intervals as to prevent the accumulation of excessive amounts of liquid in the receiver.
(b)(3) Gauges and valves.
(b)(3)(i) Every air receiver shall be equipped with an indicating pressure gauge (so located as to be readily visible) and with one or more spring-loaded safety valves. The total relieving capacity of such safety valves shall be such as to prevent pressure in the receiver from exceeding the maximum allowable working pressure of the receiver by more than 10 percent.
(b)(3)(ii) No valve of any type shall be placed between the air receiver and its safety valve or valves.

Standards - 29 CFR, 1926.603 (partial):
(a)(9) Steam hose leading to a steam hammer or jet pipe shall be securely attached to the hammer with an adequate length of at least 1/4" diameter chain or cable to prevent whipping in the event the joint at the hammer is broken. Air hammer hoses shall be provided with the same protection as required for steam lines.
(a)(10) Safety chains, or equivalent means, shall be provided for each hose connection to prevent the line from thrashing around in case the coupling becomes disconnected.

The regulations may be viewed in full on the OSHA website, osha.gov. Please check the website for updates.

Value Add Programs

Solutions on Site Vans by Dixon®

Our Solutions on Site (SOS) vans are outfitted with product samples, videos, literature, and products representative of what Dixon provides to specific markets. Call 800.355.1991 for additional information.

Best Practices Safety Assessment

Dixon, in partnership with your industrial hose supplier, is pleased to offer a hose and coupling safety survey of your plant, at no cost to you, to assist in your efforts to make your facility as safe, efficient, and productive as possible.

Today, plant safety is an enormous, ongoing endeavor in which it is impossible to be an expert in every field.

The use of damaged or misapplied hose couplings and related items occurs. To the untrained eye, these hazards may continue to exist until an accident happens, threatening not only plant machinery, but also the well-being of plant personnel.

Our program includes a visual inspection of hose assemblies and related accessories in your plant by trained technicians. A professionally written report containing our observations and recommendations for corrective action is subsequently provided to augment your own ongoing safety program. If desired, photographs of the areas of concern can be supplied with the report. As a follow-up, the program offers an educational hands-on seminar directly relating to the safety concerns in your facility.

Plant safety is coming under increasing scrutiny by various regulatory agencies. Let Dixon trained personnel assist you in establishing and maintaining safety compliance in your plant.

The safety survey report is completely confidential and will only be shown to authorized plant personnel. For more information, please contact Dixon at 800.355.1991.

Hose Coupling Workshop

In an effort to provide our customers with information regarding the proper and safe methods of assembling hose and couplings, Dixon offers Hose Coupling Workshops suitable for a company's sales force and shop personnel.

Classes consist of lectures and/or hands-on demonstrations of coupling selection, hose preparation, coupling installation, assembly testing, and maintenance procedures. Morning, afternoon, and all-day classes are available. For more information, please visit dixonvalve.com/hcw or call 800.355.1991.

We encourage you to share this information with anyone who may be affected by the selection, installation, maintenance, or use of any hose assembly. Always use quality products to **Be Safe**.

Material Selection

Selecting Materials

This information is intended to help make general comparisons between different available materials.

Material	Features and Benefits
Stainless Steel	A corrosion-resistant material that provides high strength at high temperatures, helps prevent contamination of product being transported, maintains cleanliness, and retains a lustrous appearance. Harder than brass. *Type 304* is a low-carbon chromium-nickel stainless steel. *Type 316* is similar to type 304, but has a high nickel content as well as a molybdenum for stronger resistance to heat and corrosion. Often used for water, oil, gas, and steam in low- to high-pressure applications.
Brass	Has good corrosion resistance and is less expensive than stainless steel. Is softer and easier to thread than stainless steel and forms tight seals. It can be used interchangeably with copper where heavier walls are required. Found in plumbing and heating application. Also good with oil, natural gas, and air. Resists corrosion from salt water as well as fresh water polluted with waste from mineral acids and peaty soils. Use in low- to high-pressures applications.
Steel	Used in noncorrosive environments. This carbon- and iron-based metal is hard and strong. It is an economical alternative to stainless steel and brass in high-pressure applications. For use with water, oil, gas, and steam in low- to high-pressure applications where corrosion is not a problem.

Product application is based not only on material selection but on design of product for intended use. Please contact Dixon® for selection of the proper fitting for your application.

Corrosion Resistance of Coupling Material

⚠WARNING

The data on the following pages has been compiled from generally available sources and should not be relied upon without consulting and following the specific recommendations of the manufacturer regarding particular coupling materials. This chart is also available under Interactive Tools at dixonvalve.com.

Ratings

Metal	Non-Metal	Gasket/Seal Material
1 = Excellent 2 = Good 3 = Fair X = Not Recommended - = Contact Dixon®	A = Acceptable X = Not Recommended - = Contact Dixon®	T = PTFE V = FKM E = EPDM, EPR N = Neoprene B = Nitrile Rubber

1. Ratings given are based at **70°F (21°C)**. Chemical compatibility varies greatly with temperature. For applications at temperatures other than **70°F (21°C)**, contact Dixon for recommendations at 800.355.1991.
2. Gasket / seal materials are not necessarily listed in order of preference.
3. Chemical resistance of a material does not necessarily indicate the suitability of a fitting in a given application due to variables such as improper clamp and coupling application, special hose construction, gasket material, etc.

Special caution should be taken when handling hazardous materials.

Material Selection

AGENT	Aluminum	Brass	Bronze	Hastelloy, C-276	Malleable Iron Carbon Steel	Monel	Stainless Steel, 304	Stainless Steel, 316	Nylon	Polypropylene	Seal Material
Acetate Solvents (Crude)	1	X	X	1	2	2	1	1	A	X	T
Acetate Solvents (Pure)	1	1	1	1	X	1	1	1	A	X	T
Acetic Acid (80%)	3	X	X	1	X	1	1	1	X	X	TEVNB
Acetic Acid (50%)	2	X	X	1	X	2	2	1	X	X	TEVNB
Acetic Acid (20%)	2	X	X	1	X	2	2	1	X	X	TEVNB
Acetic Acid (10%)	2	X	2	1	X	2	1	1	X	X	TEVNB
Acetic Anhydride	2	X	2	1	2	2	2	2	X	X	TNB
Acetone	1	2	2	1	2	1	1	1	A	X	TE
Acetylene	1	X	X	2	2	2	1	1	X	X	TEVNB
Alcohols											
Amyl Alcohol	2	2	2	2	2	1	2	2	A	A	TEVNB
Benzyl Alcohol	2	2	2	2	2	1	1	1	X	A	TVB
Butyl Alcohol	1	2	1	2	2	1	1	1	A	A	TEVN
Diacetone Alcohol	1	1	2	1	2	1	2	2	X	A	TE
Ethyl Alcohol	1	2	2	1	2	2	2	2	X	A	TEVNB
Hexyl Alcohol	-	-	-	1	-	-	-	-	A	-	-
Isobutyl Alcohol	-	-	-	-	-	-	-	-	A	-	-
Isopropyl Alcohol	2	2	2	2	2	2	2	2	A	A	TEVNB
Methyl Alcohol (Methanol)	2	2	2	1	2	2	2	2	A	A	TENB
Octyl Alcohol	-	-	-	-	-	-	-	-	A	-	-
Propyl Alcohol	2	2	2	1	2	2	1	1	X	A	TEVNB
Aluminum											
Aluminum Chloride (Aqu.)	X	X	X	1	X	X	X	X	A	A	TEVNB
Aluminum Fluoride (Sat.)	2	-	-	-	X	2	X	2	X	A	TEVNB
Aluminum Nitrate (Sat.)	3	X	-	-	X	-	2	2	A	A	TEVNB
Aluminum Potassium Sulfate (Alum)	2	2	2	2	X	2	X	2	X	A	TEVNB
Aluminum Sulfate (Sat.)	X	X	2	2	X	2	-	2	A	A	TEVNB
Ammonia											
Ammonia Anhydrous	1	X	X	2	1	1	2	1	A	X	TENB
Ammonia Gas	X	X	X	1	1	X	1	1	A	X	TENB
Ammonia Nitrate	-	-	-	-	-	-	-	-	X	-	-
Ammonium											
Ammonium Biflouride	-	X	-	2	X	2	-	-	X	A	TEVB
Ammonium Carbonate (Sat.)	2	X	X	2	2	2	2	2	A	A	TEVNB
Ammonium Casenate	-	-	-	-	-	-	-	-	A	-	-
Ammonium Chloride (Sat.)	X	X	2	2	X	2	X	X	A	A	TEVNB
Ammonium Hydroxide (Sat.)	2	X	X	2	1	X	2	2	A	A	TEVNB
Ammonium Nitrate	2	X	X	-	X	X	-	-	A	A	TENB
Ammonium Phosphate (10-40%)	X	X	X	-	X	2	1	2	A	A	TEVNB
Ammonium Sulfate (10-40%)	X	X	3	2	X	2	X	2	A	A	TEVNB
Aniline	-	X	2	2	X	2	1	1	X	X	TV
Arsenic Acid	X	X	2	2	X	X	2	2	X	A	TEVNB
Asphalt	-	-	-	-	2	-	-	2	X	X	TV
Barium											
Barium Carbonate (Sat.)	X	2	2	2	2	2	2	2	A	A	TEVNB
Barium Chloride (Sat.)	-	2	2	1	-	2	X	-	A	A	TEVNB
Barium Hydroxide (Sat.)	X	2	X	2	2	1	2	2	A	A	TEVNB
Barium Sulfate	2	2	2	-	X	2	2	2	A	A	TEVNB
Barium Sulfide	X	X	X	-	2	X	2	2	A	A	TEVNB
Beer	1	2	2	1	2	1	1	1	A	A	TEVNB
Benzaldehyde	2	2	2	2	X	2	2	2	X	X	TE
Benzene, Benzol	1	2	2	2	2	2	2	2	A	X	TV
Benzine	-	-	-	-	-	-	-	-	A	X	-
Benzoic Acid	2	2	2	-	X	2	2	2	X	X	TVN
Black Liquor	X	X	X	X	-	2	2	2	X	A	TEVNB
Bleach (12.5% Active Chlorine)	X	-	-	1	X	-	-	X	X	A	TEVN
Borax	X	2	2	1	2	1	1	1	X	A	TEVNB
Boric Acid	1	X	2	1	X	2	-	-	X	A	TEVNB
Brine Acid	-	2	2	1	-	-	-	-	X	A	TEVNB
Bromic acid	X	X	X	-	-	X	-	-	X	A	TEVN
Bromine Liquid	2	-	-	-	-	-	X	X	X	X	TV
Butadiene, Butylene	2	2	2	2	2	1	2	2	X	X	TVNB
Butane	2	2	2	2	1	1	2	2	X	X	TV
Butyl Acetate	1	2	2	2	2	2	2	2	A	X	T
Butyric Acid	2	2	X	1	X	2	2	2	A	A	TV

Ratings given are based at **70°F (21°C)**.

Material Selection

AGENT	Aluminum	Brass	Bronze	Hastelloy, C-276	Malleable Iron Carbon Steel	Monel	Stainless Steel, 304	Stainless Steel, 316	Nylon	Polypropylene	Seal Material
Calcium											
Calcium Bisulfate	X	-	X	-	X	X	X	2	X	A	T
Calcium Bisulfide	-	-	-	-	-	2	-	2	A	A	TVB
Calcium Bisulfite	X	X	2	2	X	X	-	2	X	A	TVNB
Calcium Bromide	X	2	2	-	X	2	1	X	X	X	T
Calcium Carbonate	X	2	2	2	2	2	1	2	A	A	TEVB
Calcium Chloride (Sat.)	-	2	-	1	2	2	-	-	A	A	TEVNB
Calcium Hydroxide (Sat.)	X	2	X	-	2	2	2	2	A	A	TEVNB
Calcium Hypochlorite (Sat.)	X	X	X	-	X	X	X	2	X	A	TEV
Carbon											
Carbon Bisulfide	1	X	2	2	2	X	2	2	A	X	TV
Carbon Dioxide (Dry)	1	1	2	1	2	1	2	2	A	A	TENB
Carbon Dioxide (Wet)	1	X	-	2	3	-	2	2	X	A	TENB
Carbon Disulfide	1	X	2	2	2	X	2	2	A	X	TV
Carbon Monoxide	1	1	1	1	2	1	1	1	A	A	TEVNB
Carbon Tetrachloride	X	-	1	1	2	1	1	-	A	X	TV
Carbonic Acid	1	2	2	1	2	3	2	2	X	A	TEVNB
Castor Oil	2	2	2	1	2	1	2	2	A	A	TEVNB
Caustic Potash	X	-	-	1	X	-	-	2	A	A	TEVNB
Caustic Soda (see Sodium Hydroxide)											
Cellosolves	2	2	2	2	2	2	2	2	X	A	TE
Chlorine (Liquid)	-	-	-	1	2	2	-	3	X	X	TV
Chloroform	-	-	-	2	X	1	-	-	X	X	TV
Chlorosulfonic Acid	-	X	X	1	2	2	X	X	X	X	T
Clorox (Bleach, 5.5% CL)	X	-	-	-	X	-	-	2	X	-	TEVB
Chromic Acid (50%)	2	X	X	2	X	X	3	-	X	X	TVNB
Citric Acid	3	X	X	1	X	2	-	-	X	A	TEVNB
Coke Oven Gas	2	3	3	-	2	2	2	2	X	X	TEVN
Copper											
Copper Chloride	X	X	X	2	X	X	X	X	A	A	TEVNB
Copper Cyanide	X	X	X	1	-	X	2	2	X	-	TEVNB
Copper Sulfate	X	X	X	1	X	X	-	2	A	A	TEVNB
Crysylic Acid (Conc.)	2	2	X	-	2	3	2	2	X	X	TEV
Cyclohexane	2	2	2	2	2	1	2	2	A	X	TVB
Detergents	2	2	2	1	2	-	1	2	A	A	TEVNB
Dextrose	2	-	-	2	-	2	-	-	A	A	TEVNB
Diesel Fuels	1	1	1	2	2	-	1	1	A	X	TVB
Diethylamine	2	-	X	-	X	1	2	2	X	A	TN
Disodium Phosphate	-	-	-	-	1	-	-	1	A	A	TEV
Ethers	2	2	2	2	2	2	1	1	A	X	TB
Ethyl											
Ethyl Acetate	-	-	2	2	2	2	2	2	A	X	T
Ethyl Chloride	-	-	2	2	2	2	-	1	A	X	TEVB
Ethylene											
Ethylene Chloride	-	-	-	-	2	2	-	-	A	X	TV
Ethylene Dichloride	-	2	X	2	2	1	2	2	A	X	TV
Ethylene Glycol	1	2	2	1	2	2	2	2	A	X	TEVNB
Ethylene Oxide	X	X	X	1	3	2	2	2	X	X	T
Fatty Acids	1	3	3	1	X	2	-	1	A	A	TVNB
Ferric											
Ferric Chloride	X	X	2	2	X	X	X	X	X	A	TEVNB
Ferric Hydroxide	-	-	-	1	-	2	1	1	A	-	TEVNB
Ferric Nitrate (10-50%)	X	X	X	-	X	X	2	2	X	A	TEVNB
Ferric Sulfate	X	X	X	-	X	2	-	-	X	A	TEVNB
Ferrous											
Ferrous Chloride (Sat.)	X	X	2	2	-	X	X	X	X	A	TEVNB
Ferrous Sulfate	2	2	2	2	X	2	2	-	X	A	TEVNB
Fluboric Acid	X	-	-	1	1	2	-	-	X	A	TEVNB
Formaldehyde (50%)	-	2	2	2	X	2	1	1	X	A	TEN
Formic Acid (Anhyd.)	1	X	2	1	X	2	-	-	X	A	TEVN
Freon											
Freon 11	2	2	2	-	X	1	2	2	X	X	TVNB
Freon 12	2	2	2	1	X	2	2	2	X	X	TVNB
Freon 22	2	2	2	2	X	2	2	2	X	X	TN
Fruit Juices	2	2	3	1	X	1	2	2	A	A	TVNB
Fuel Oil	2	2	2	2	2	2	2	2	A	X	TVNB
Furfural	2	2	2	2	2	2	2	2	A	X	TEN

Material Selection

AGENT	Aluminum	Brass	Bronze	Hastelloy, C-276	Malleable Iron Carbon Steel	Monel	Stainless Steel, 304	Stainless Steel, 316	Nylon	Polypropylene	Seal Material
Gasoline											
Refined Gasoline	2	2	2	2	2	2	2	2	A	X	TVNB
Sour Gasoline	X	2	2	2	2	X	2	2	A	X	TVNB
Gelatin	2	2	2	-	X	2	2	2	A	A	TEVNB
Glucose	2	2	2	-	2	2	2	2	A	A	TEVNB
Glue	2	2	2	1	2	2	-	2	-	A	TEVNB
Glycerine	1	1	2	1	2	1	1	1	A	A	TEVNB
Glycols	2	2	2	-	2	2	2	2	A	A	TEVNB
Green Liquor	-	-	-	-	2	-	-	-	-	A	TEVNB
Heptane	2	2	2	1	2	2	2	2	A	X	TVNB
Hexane	2	2	2	1	2	2	1	1	A	X	TVNB
Hydrobromic Acid (50%)	X	X	X	2	X	X	X	X	X	A	TEV
Hydrobromic Acid (20%)	X	X	X	1	X	X	X	X	X	A	TEV
Hydrochloric Acid (20%)	X	X	X	1	X	3	X	X	X	A	TEVNB
Hydrochloric Acid (38%)	X	X	X	1	X	X	X	X	X	A	TEVN
Hydrocyanic Acid	2	X	X	2	2	2	2	2	X	A	TEVN
Hydrofluosilicic Acid (10-50%)	X	2	X	2	X	2	X	2	X	-	TEVNB
Hydrogen											
Hydrogen Peroxide (50%)	-	X	X	2	X	2	-	-	X	A	TEV
Hydrogen Sulfide (Aqu.)	-	-	-	2	-	2	X	2	X	A	TE
Hydrogen Chloride (Dry Gas)	X	2	-	1	2	1	-	-	X	A	TEVN
Hydrogen Gas	1	1	1	1	-	1	1	1	X	A	TEVNB
Hypochlorous Acid	X	X	X	2	X	X	X	X	X	X	TEV
Iodine	1	X	X	-	X	1	X	X	X	A	TEV
Isopropyl Ether	-	2	2	-	-	2	1	2	A	X	T
Jet Fuel (JP4, JP5)	2	1	2	1	2	2	2	2	X	X	TV
Kerosene	2	2	2	2	2	2	2	2	X	X	TVNB
Ketones	2	2	2	1	2	2	2	2	A	X	T
Lactic Acid (25%)	3	2	2	1	X	X	-	-	A	A	TEVN
Lactic Acid (80%)	2	2	X	2	X	-	-	-	A	A	TEVN
Lard Oil	2	-	2	1	3	2	2	2	A	A	TVB
Lead											
Lead Acetate	X	X	X	2	X	2	2	2	X	A	TENB
Lead Chloride	X	-	-	2	-	-	2	2	X	-	TVNB
Lead Sulfate	X	-	-	2	X	2	2	2	X	-	TEVNB
Lime Sulphur	X	X	X	-	X	2	2	2	X	A	TEVN
Linoleic Acid	2	X	3	2	X	2	2	2	X	A	TVB
Linseed Oil	2	2	2	2	2	2	2	2	A	A	TVNB
Lubricants (Oil)	2	1	-	-	2	2	2	2	A	X	TVNB
Magnesium											
Magnesium Carbonate	2	-	-	-	-	2	2	2	X	A	TEVNB
Magnesium Chloride	X	X	2	1	-	-	-	-	X	A	TEVNB
Magnesium Hydroxide	2	2	2	1	2	2	1	1	X	A	TEVNB
Magnesium Nitrate	2	2	2	1	2	2	2	2	X	A	TEVNB
Magnesium Oxide	-	-	-	-	-	-	-	-	X	-	-
Magnesium Sulfate	2	-	2	-	-	1	2	2	X	A	TEVNB
Maleic Acid	-	2	3	2	X	-	-	2	X	A	TEV
Mercuric											
Mercuric Chloride	X	X	X	-	X	X	X	-	X	A	TEVB
Mercuric Cyanide	X	X	X	2	X	2	2	2	X	A	TEVB
Mercury	X	X	X	1	2	-	1	1	A	A	TEVNB
Methane	1	1	2	1	2	1	1	1	A	X	TEVNB
Methanol	2	2	2	1	2	2	2	2	A	A	TENB
Methyl											
Methyl Bromide	X	-	-	-	2	-	2	2	X	X	TV
Methyl Ethyl Ketone	2	2	2	2	2	2	2	2	A	X	TE
Methyl Isobutyl Ketone	2	2	2	2	2	2	2	2	A	X	T
Methyl Methacrylate	2	-	-	-	X	-	2	2	X	A	T
Methylene Chloride	-	2	2	X	2	-	-	-	A	X	T
Milk	1	X	X	1	2	X	1	1	A	A	TEVNB
Mineral Oil	2	1	-	-	2	1	1	2	A	A	TVNB
Muriatic Acid	X	-	-	1	-	X	X	X	X	A	TV
Napthalene	2	2	2	2	2	2	1	1	A	A	TV
Naptha	2	2	2	2	2	2	2	2	A	X	TVB

Ratings given are based at **70°F (21°C)**.

Material Selection

AGENT	Aluminum	Brass	Bronze	Hastelloy, C-276	Malleable Iron Carbon Steel	Monel	Stainless Steel, 304	Stainless Steel, 316	Nylon	Polypropylene	Seal Material
Nickel											
Nickel Chloride	X	X	X	-	X	2	-	-	X	A	TEVNB
Nickel Sulfate	X	X	-	2	-	-	2	2	X	A	TEVNB
Nitric											
Nitric Acid (100%)	1	X	X	2	X	X	2	-	X	X	TV
Nitric Acid (50%)	X	X	X	1	X	X	2	-	X	X	TV
Nitric Acid (30%)	X	X	X	1	X	X	1	-	X	X	TV
Nitrobenzene	1	2	2	-	2	2	2	2	A	A	T
Oils											
Castor Oil	2	2	2	1	2	1	2	2	A	A	TEVNB
Coconut Oil	2	-	2	-	3	2	2	2	A	A	TVB
Corn Oil	2	2	2	-	2	2	-	2	A	A	TVNB
Cotton Seed Oil	2	2	2	-	2	1	2	2	A	A	TVNB
Fuel Oil	2	2	2	2	2	2	2	2	A	X	TVNB
Linseed Oil	2	2	2	2	2	2	2	2	A	A	TVNB
Mineral Oil	2	1	-	-	2	1	1	2	A	A	TVNB
Silicon Oil	2	1	2	-	2	-	2	2	A	A	TEVB
Vegetable Oil	2	2	2	1	2	1	1	1	A	X	TVNB
Oleic Acid	2	3	2	2	2	1	-	1	A	X	TB
Oleum	2	X	X	-	2	X	2	2	X	X	TV
Oxalic Acid (Sat.)	2	-	2	2	X	2	X	X	X	A	TEV
Oxygen	2	2	2	-	2	2	2	2	X	X	TEVNB
Palmitic Acid (Sat.)	2	3	2	-	3	2	2	2	X	A	TVB
Paraffin	2	2	2	2	2	2	2	2	A	A	TVNB
Perchloroethylene	2	2	2	2	2	1	-	-	X	X	TV
Petrolatum	2	-	2	-	3	2	2	2	A	-	TVNB
Phenol (Carbolic Acid)	1	1	X	1	2	1	-	1	X	X	TV
Phosphoric Acid											
Phosphoric Acid (25-50%)	X	X	2	1	X	X	-	-	X	A	TEVN
Phosphoric Acid (50-85%)	X	X	X	1	X	3	-	-	X	A	TEV
Photographic Solutions	-	-	-	-	X	1	1	1	X	X	TVNB
Phthalic Anhydride	-	2	2	1	2	1	1	1	X	X	TEV
Picric Acid	1	X	X	2	X	X	2	2	X	-	TEVNB
Plating Solutions											
Brass Plating Solution	-	-	-	1	-	-	-	2	X	A	TEVNB
Cadmium Plating Solution	-	-	-	1	-	-	-	2	X	A	TEVNB
Chrome 40% Plating Solution	X	2	2	1	X	X	2	2	X	A	TEVN
Copper (Cyanide) Plating Solution	-	-	-	1	-	-	-	-	X	A	TEVNB
Gold Plating Solution	-	-	-	1	-	-	-	1	X	A	TEVNB
Iron Plating Solution	-	-	-	-	-	-	-	-	X	A	TEVB
Lead Plating Solution	-	-	-	-	-	-	1	1	X	A	TEVNB
Nickel Plating Solution	-	-	-	1	-	-	1	1	X	A	TEVNB
Silver Plating Solution	-	-	-	1	-	-	1	1	X	A	TEVNB
Tin Plating Solution	-	-	-	1	-	-	-	3	X	A	TEVNB
Zinc Plating Solution	-	-	-	1	-	-	-	-	X	A	TEVNB
Potassium											
Potassium Acetate	X	X	X	-	2	-	-	-	A	A	TEVB
Potassium Bicarbonate (30%)	X	2	-	2	2	2	1	1	A	A	TEVNB
Potassium Carbonate (50%)	X	2	X	2	2	2	1	1	A	A	TEVNB
Potassium Chlorate (30%)	2	X	X	-	2	2	2	1	X	A	TEVNB
Potassium Chloride (30%)	X	X	2	-	2	1	-	-	A	A	TEVNB
Potassium Chromate (30%)	2	2	2	2	-	2	2	2	X	A	TEVB
Potassium Cyanide Solution (30%)	X	X	X	2	2	2	2	2	X	A	TEVNB
Potassium Dichromate (30%)	1	2	2	2	2	2	1	1	X	A	TEVB
Potassium Hydroxide (90%)	X	X	X	2	-	2	X	-	X	A	TENB
Potassium Nitrate (80%)	1	2	2	2	2	2	2	2	X	A	TEVNB
Potassium Permanganate (20%)	2	2	2	1	2	2	2	2	X	A	TEVN
Potassium Sulfate (10%)	1	2	2	1	2	1	1	1	A	A	TEVNB
Propane	1	1	1	2	2	1	2	2	X	X	TVB
Propylene Gylcol	2	2	2	2	2	2	2	2	A	A	TVNB
Propylene Oxide (90%)	-	-	-	-	-	-	1	1	X	X	TE
Pyridine	2	2	2	-	2	2	2	2	A	X	T
Pyrogallic Acid	2	2	2	2	2	2	2	2	X	X	TVNB
Silver Nitrate	X	X	X	-	X	X	2	1	X	A	TEVNB
Soap Solutions	2	2	2	1	2	2	2	2	A	A	TEVNB

Ratings given are based at **70°F (21°C)**.

Material Selection

AGENT	Aluminum	Brass	Bronze	Hastelloy, C-276	Malleable Iron Carbon Steel	Monel	Stainless Steel, 304	Stainless Steel, 316	Nylon	Polypropylene	Seal Material
Sodium											
Sodium Acetate	1	2	2	-	X	2	2	2	A	A	TEN
Sodium Bicarbonate (20%)	2	2	2	1	3	1	1	1	A	A	TEVNB
Sodium Bisulfate	X	-	2	2	2	-	-	-	A	A	TEVNB
Sodium Bisulfite	X	2	X	2	X	-	-	-	A	A	TEVNB
Sodium Borate	2	2	2	2	3	2	2	2	A	A	TEVNB
Sodium Perborate (10%)	2	X	2	2	2	2	2	2	X	A	TEVNB
Sodium Carbonate	X	2	-	2	2	1	-	2	A	A	TEVNB
Sodium Chlorate (50%)	2	2	2	1	X	1	2	2	X	A	TEVNB
Sodium Cyanide	X	X	X	2	2	X	-	-	A	A	TEVNB
Sodium Dichromate	2	X	X	1	2	-	2	2	X	A	TE
Sodium Hydroxide (70%)	X	X	X	1	3	1	2	2	X	A	TENB
Sodium Hydroxide (50%)	X	X	3	1	3	1	1	-	X	A	TENB
Sodium Hydroxide (30%)	X	2	3	2	2	1	1	1	X	A	TENB
Sodium Chloride (30%)	X	2	2	2	2	1	-	-	X	A	TEVNB
Sodium Hypochlorite	X	X	X	-	X	X	-	-	X	A	TEV
Sodium Metaphosphate	X	X	2	-	X	2	2	2	X	X	TEVNB
Sodium Nitrate (40%)	1	2	-	-	2	2	1	1	A	A	TENB
Sodium Perborate (10%)	2	X	2	2	2	2	2	2	X	A	TEVNB
Sodium Peroxide (10%)	2	X	X	2	2	2	2	2	X	A	TEVNB
Sodium Silicate	1	2	2	2	2	2	2	2	A	A	TEVNB
Sodium Sulfate	-	2	2	2	2	-	-	1	A	A	TEVNB
Sodium Sulfide (50%)	X	X	X	2	2	2	-	2	X	A	TEVNB
Sodium Thiosulphate	2	X	X	2	X	2	2	2	A	A	TEVNB
Stannic Chloride	X	X	X	-	X	X	X	X	X	A	TEVNB
Stannous Chloride	X	X	X	2	X	-	X	-	X	X	TEVNB
Steam	-	-	-	-	-	-	-	-	X	-	-
Stearic Acid	2	3	2	1	3	3	2	1	A	A	TVNB
Stoddard's Solvent	2	2	2	1	2	2	2	2	X	A	TVB
Sugar Liquors (Cane)	1	2	1	-	2	2	2	2	A	A	TEVNB
Sugar Liquors (Beet)	1	2	1	-	2	1	1	1	A	A	TEVNB
Sulfate Liquors	2	X	X	2	3	2	-	2	X	A	TVNB
Sulfite Liquors	X	X	-	1	X	X	2	2	X	X	TVNB
Sulfur Chloride	X	-	X	2	X	X	-	-	X	X	TV
Sulfur Dioxide (Dry)	2	2	2	2	1	2	-	2	X	A	TE
Sulfur Trioxide	2	2	X	2	2	2	-	2	X	X	TEV
Sulfuric Acid (TO 10%)	X	2	X	1	X	X	X	X	X	A	TEVNB
Sulfuric Acid (100%)	X	X	X	1	2	X	-	-	X	X	TV
Sulfurous Acid	2	2	X	-	X	X	X	-	X	A	TV
Tannic Acid	X	-	X	-	X	2	2	2	X	A	TEVNB
Tanning Liquors	1	-	2	1	-	-	1	1	X	A	TVNB
Tartaric Acid	-	-	2	2	-	-	1	1	A	A	TVNB
Titanium Tetrachloride	X	X	X	2	2	2	-	2	X	X	TV
Toluene	1	1	1	1	1	1	1	1	A	X	TVB
Tetrahydrofuran	X	-	2	1	1	-	1	2	A	X	T
Tomato Juice	2	-	3	2	3	2	2	2	X	A	TEVNB
Trichloroethylene	1	-	2	1	2	-	-	-	A	X	TV
Triethanolamine	2	X	2	2	2	2	2	2	A	X	TEVN
Triethylamine	-	-	-	-	-	2	2	2	A	X	TVB
Trisodium Phosphate (10%)	X	2	-	1	2	2	1	1	A	A	TVNB
Turpentine	2	X	2	2	2	1	1	1	X	X	TVB
Urea (50%)	2	-	2	-	2	2	2	2	A	A	TEVNB
Urine	-	-	-	-	2	-	1	1	X	A	TEVNB
Vinegar	X	X	2	2	2	2	2	2	X	A	TEVN
Water Acid (Mine)	X	X	X	1	X	-	-	-	X	A	TEVNB
Water (Distilled)	X	2	2	1	X	X	2	2	A	A	TEVNB
Water (Sea)	2	2	2	1	X	2	2	2	A	A	TEVNB
Whiskey	X	2	2	1	2	2	1	1	X	A	TEVNB
White Liquor (Pulp)	2	-	X	2	X	X	2	2	X	A	TEVNB
Wine	X	2	2	1	X	2	1	1	X	A	TEVNB
Xylene	2	2	2	1	2	2	2	2	A	X	TV
Zinc											
Zinc Chloride	X	X	X	2	X	-	X	2	A	A	TEVNB
Zinc Nitrate	-	-	-	-	-	-	2	2	X	A	TEVNB
Zinc Sulfate (50%)	X	2	2	2	X	2	1	1	X	A	TEVNB

Ratings given are based at **70°F (21°C)**.

Fraction - Decimal Conversion Chart

	Inches	Millimeters
1/64	.015625	.3969
1/32	.03125	.7938
3/64	.046875	1.1906
1/16	.0625	1.5875
5/64	.078125	1.9844
3/32	.09375	2.3813
7/64	.109375	2.7781
1/8	.125	3.1750
9/64	.140625	3.5719
5/32	.15625	3.9688
11/64	.171875	4.3656
3/16	.1875	4.7625
13/64	.203125	5.1594
7/32	.21875	5.5563
15/64	.234375	5.9531
1/4	.250	6.3500
17/64	.265625	6.7469
9/32	.28125	7.1438
19/64	.296875	7.5406
5/16	.3125	7.9375
21/64	.328125	8.3344
11/32	.34375	8.7313
23/64	.359375	9.1282
3/8	.375	9.5250
25/64	.390625	9.9219
13/32	.40625	10.3188
27/64	.421875	10.7157
7/16	.4375	11.1125
29/64	.453125	11.5094
15/32	.46875	11.9063
31/64	.484375	12.3032
1/2	.500	12.7001
33/64	.515625	13.0969
17/32	.53125	13.4938
35/64	.546875	13.8907
9/16	.5625	14.2876
37/64	.578125	14.6844
19/32	.59375	15.0813
39/64	.609375	15.4782
5/8	.625	15.8751
41/64	.640625	16.2719
21/32	.65625	16.6688
43/64	.671875	17.0657
11/16	.6875	17.4626
45/64	.703125	17.8594
23/32	.71875	18.2563
47/64	.734375	18.6532
3/4	.750	19.0501
49/64	.765625	19.4470
25/32	.78125	19.8438
51/64	.796875	20.2407
13/16	.8125	20.6376
53/64	.828125	21.0345
27/32	.84375	21.4313
55/64	.859375	21.8282
7/8	.875	22.2251
57/64	.890625	22.6220
29/32	.90625	23.0188
59/64	.921875	23.4157
15/16	.9375	23.8126
61/64	.953125	24.2095
31/32	.96875	24.6063
63/64	.984375	25.0032
1	1.000	25.4001

Measures of Pressure

1 Pound Per Square Inch = 144 Pounds Per Square Foot = 0.068 Atmosphere = 2.042 Inches of Mercury at **62°F** = 27.7 Inches of Water at 62°F = 2.31 Feet of Water at 62°F.

1 Atmosphere = 30 Inches of Mercury at **62°F** = 14.7 Pounds Per Square Inch = 2116.3 Pounds Per Square Foot = 33.95 Feet of Water at **62°F**.

1 Foot of Water at **62°F** = 62.355 Pounds Per Square Foot = 0.433 Pounds Per Square Inch.

1 Inch of Mercury at **62°F** = 1.132 Feet of Water = 13.58 Inches of Water = 0.491 Pounds Per Square Inch.

Column of Water 12 Inches High, 1 Inch in Diameter = .341 Pounds

If temperature is kept constant, the volume of a given mass of gas is inversely proportional to the pressure which is exerted upon it.

Length Conversion Constants

Millimeters x .039370 = Inches
Meters x 39.370 = Inches
Meters x 3.2808 = Feet
Meters x 1.09361 = Yards
Kilometers x 3,280.8 = Feet
Kilometers x .62137 = Statute Mile
Kilometers x .53959 = Nautical Miles

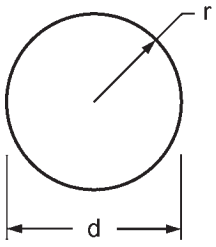
Inches x 25.4001 = Millimeters
Inches x .0254 = Meters
Feet x .30480 = Meters
Yards x .91440 = Meters
Feet x .0003048 = Kilometers
Statute Miles x 1.60935 = Kilometers
Nautical Miles x 1.85325 = Kilometers

Weight Conversion Constants

Grams x .03527 = Ounces (Avd.)
Grams x .033818 = Fluid Ounces (Water)
Kilograms x 35.27 = Ounces (Avd.)
Kilograms x 2.20462 = Pounds (Avd.)

Ounces (Avd.) x 28.35 = Grams
Fluid Ounces (Water) x 29.57 = Grams
Ounces (Avd.) x .02835 = Kilograms
Pounds (Avd.) x .45359 = Kilograms

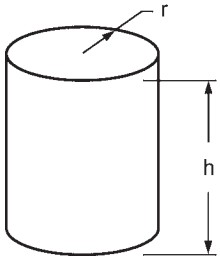
Circumference of a Circle



Circumference = $2\pi r = \pi d = 3.14159\ d$

Area = $\pi r^2 = \pi \frac{d^2}{4} = .78539 d^2$

Right Cylinder



r = radius
h = length

Volume = $\pi r^2 h$

Surface Area = $2\pi r\ (r + h)$

If end planes are parallel but not at 90° to h, the same formulas apply, but a slice at 90° through the cylinder must be used to determine r.

Temperature Conversions

Look up reading in middle column (shaded). If in degrees Centigrade, read Fahrenheit equivalent in right-hand column; if in degrees Fahrenheit, read Celsius equivalent in left-hand column.

°C	°F/°C	°F
-73	-100	-148
-68	-90	-130
-62	-80	-112
-57	-70	-94
-51	-60	-76
-46	-50	-58
-40	-40	-40
-34	-30	-22
-29	-20	-4
-23	-10	14
-17.8	0	32
-17.2	1	33.8
-16.7	2	35.6
-16.1	3	37.4
-15.6	4	39.2
-15.0	5	41.0
-14.4	6	42.8
-13.9	7	44.6
-13.3	8	46.4
-12.8	9	48.2
-12.2	10	50.0
-11.7	11	51.8
-11.1	12	53.6
-10.6	13	55.4
-10.0	14	57.2
-9.4	15	59.0
-8.9	16	60.8
-8.3	17	62.6
-7.8	18	64.4
-7.2	19	66.2
-6.7	20	68.0
-6.1	21	69.8
-5.6	22	71.6
-5.0	23	73.4
-4.4	24	75.2
-3.9	25	77.0
-3.3	26	78.8
-2.8	27	80.6
-2.2	28	82.4
-1.7	29	84.2
-1.1	30	86.0
-.6	31	87.8
0	32	89.6
.6	33	91.4
1.1	34	93.2
1.7	35	95.0
2.2	36	96.8
2.8	37	98.6
3.3	38	100.4
3.9	39	102.2
4.4	40	104.0
5.0	41	105.8
5.6	42	107.6
6.1	43	109.4
6.7	44	111.2
.72	45	113.0
7.8	46	114.8
8.3	47	116.6
8.9	48	118.4
9.4	49	120.2
10.0	50	122.0
10.6	51	123.8
11.1	52	125.6
11.7	53	127.4
12.2	54	129.2
12.8	55	131.0
13.3	56	132.8
13.9	57	134.6
14.4	58	136.4
15.0	59	138.2
15.6	60	140.0
16.1	61	141.8
16.7	62	143.6
17.2	63	145.4
17.8	64	147.2
18.3	65	149.0
18.9	66	150.8
19.4	67	152.6
20.0	68	154.4
20.6	69	156.2
21.1	70	158.0
21.7	71	159.8
22.2	72	161.6
22.8	73	163.4
23.3	74	165.2
23.9	75	167.0
24.4	76	168.8
25.0	77	170.6
25.6	78	172.4
26.1	79	174.2
26.7	80	176.0
27.2	81	177.8
27.8	82	179.6
28.3	83	181.4
28.9	84	183.2
29.4	85	185.0
30.0	86	186.8
30.6	87	188.6
31.1	88	190.4
31.7	89	192.2
32.2	90	194.0
32.8	91	195.8
33.3	92	197.6
33.9	93	199.4
34.4	94	201.2
35.0	95	203.0
35.6	96	204.8
36.1	97	206.6
36.7	98	208.4
37.2	99	210.2
37.8	100	212.0
43	110	230
49	120	248
54	130	266
60	140	284
66	150	302
71	160	320
77	170	338
82	180	356
88	190	374
93	200	392
99	210	410
100	212	413.6
104	220	428
110	230	446
116	240	464
121	250	482
127	260	500
132	270	518
138	280	536
143	290	554
149	300	572
154	310	590
160	320	608
166	320	626
170	338	640
171	340	644
177	350	662
182	360	680
186	366	691
188	370	698
193	380	716
198	388	730
199	390	734
204	400	752
208	406	763
210	410	770
216	420	788
221	430	806
227	440	824
232	450	842

Steam Temperature and Pressure Conversion Guide

Temperature - Pressure Equivalents of Saturated Steam Gauge Pressure at Sea Level

- Degrees Celsius = 5/9 (Degrees F - 32)

Temperature		Lbs. per Sq. Inch	Temperature		Lbs. per Sq. Inch	Temperature		Lbs. per Sq. Inch
°F	°C		°F	°C		°F	°C	
212	**100.0**	0.0	**286**	**141.1**	39.4	**336**	**168.9**	97.1
214	**101.1**	0.6	**287**	**141.7**	40.3	**337**	**169.4**	98.7
216	**102.2**	1.2	**288**	**142.2**	41.1	**338**	**170.0**	100.2
218	**103.3**	1.8	**289**	**142.8**	42.0	**339**	**170.6**	101.8
220	**104.4**	2.5	**290**	**143.3**	42.9	**340**	**171.1**	103.3
222	**105.6**	3.2	**291**	**143.9**	43.8	**341**	**171.7**	105.0
224	**106.7**	3.9	**292**	**144.4**	44.7	**342**	**172.2**	106.5
226	**107.8**	4.6	**293**	**145.0**	45.6	**343**	**172.8**	108.2
228	**108.9**	5.3	**294**	**145.6**	46.5	**344**	**173.3**	109.8
230	**110.0**	6.1	**295**	**146.1**	47.5	**345**	**173.9**	111.5
232	**111.1**	6.9	**296**	**146.7**	48.4	**346**	**174.4**	113.1
234	**112.2**	7.7	**297**	**147.2**	49.4	**347**	**175.0**	114.8
236	**113.3**	8.5	**298**	**147.8**	50.3	**348**	**175.6**	116.5
238	**114.4**	9.4	**299**	**148.3**	51.3	**349**	**176.1**	118.2
240	**115.6**	10.3	**300**	**148.9**	52.3	**350**	**176.7**	119.9
242	**116.7**	11.2	**301**	**149.4**	53.4	**352**	**177.8**	123.5
244	**117.8**	12.1	**302**	**150.0**	54.4	**354**	**178.9**	127.1
246	**118.9**	13.1	**303**	**150.6**	55.4	**356**	**180.0**	130.8
248	**120.0**	14.1	**304**	**151.1**	56.4	**358**	**181.1**	134.5
250	**121.1**	15.1	**305**	**151.7**	57.5	**360**	**182.2**	138.3
252	**122.2**	16.2	**306**	**152.2**	58.6	**362**	**183.3**	142.3
254	**123.3**	17.3	**307**	**152.8**	59.7	**364**	**184.4**	146.2
256	**124.4**	18.4	**308**	**153.3**	60.7	**366**	**185.6**	150.3
258	**125.6**	19.6	**309**	**153.9**	61.9	**368**	**186.7**	154.4
260	**126.7**	20.7	**310**	**154.4**	63.0	**370**	**187.8**	158.7
261	**127.2**	21.4	**311**	**155.0**	64.2	**372**	**188.9**	163.0
262	**127.8**	22.0	**312**	**155.6**	65.3	**374**	**190.0**	167.4
263	**128.3**	22.6	**313**	**156.1**	66.5	**376**	**191.1**	171.9
264	**128.9**	23.2	**314**	**156.7**	67.6	**378**	**192.2**	176.4
265	**129.4**	23.9	**315**	**157.2**	68.8	**380**	**193.3**	181.1
266	**130.0**	24.5	**316**	**157.8**	70.0	**382**	**194.4**	185.8
267	**130.6**	25.2	**317**	**158.3**	71.3	**384**	**195.6**	190.6
268	**131.1**	25.8	**318**	**158.9**	72.5	**386**	**196.7**	195.6
269	**131.7**	26.5	**319**	**159.4**	73.7	**388**	**197.8**	200.6
270	**132.2**	27.2	**320**	**160.0**	75.0	**390**	**198.9**	205.7
271	**132.8**	27.9	**321**	**160.6**	76.3	**392**	**200.0**	210.9
272	**133.3**	28.6	**322**	**161.1**	77.5	**394**	**201.1**	216.2
273	**133.9**	29.3	**323**	**161.7**	78.8	**396**	**202.2**	221.5
274	**134.4**	30.0	**324**	**162.2**	80.1	**398**	**203.3**	227.0
275	**135.0**	30.8	**325**	**162.8**	81.5	**400**	**204.4**	232.6
276	**135.6**	31.5	**326**	**163.3**	82.8	**402**	**205.5**	238.0
277	**136.1**	32.3	**327**	**163.9**	84.2	**404**	**206.7**	244.0
278	**136.7**	33.0	**328**	**164.4**	85.6	**406**	**207.8**	250.0
279	**137.2**	33.8	**329**	**165.0**	87.0	**408**	**208.9**	256.0
280	**137.8**	34.5	**330**	**165.6**	88.4	**410**	**210.0**	262.0
281	**138.3**	35.3	**331**	**166.1**	89.8	**412**	**211.1**	268.0
282	**138.9**	36.1	**332**	**166.7**	91.2	**414**	**212.2**	275.0
283	**139.4**	36.9	**333**	**167.2**	92.7	**416**	**213.3**	281.0
284	**140.0**	37.7	**334**	**167.8**	94.1	**418**	**214.4**	288.0
285	**140.6**	38.6	**335**	**168.3**	95.6	**420**	**215.6**	294.0

Pressure Conversions

100 PSI = 6.8 Bars
250 PSI = 17.0 Bars
600 PSI = 40.8 Bars

5 Bars = **73.5 PSI**
10 Bars = **147 PSI**
25 Bars = **367.5 PSI**

V

Pressure – Temperature Ratings

- Ratings apply to all products covered by ANSI B16.5 valves conforming to the requirements of this standard must, in other respects, merit these ratings.
- All ratings are maximum allowable non-shock pressures (PSIG) at the tabulated temperatures (degree Fahrenheit). Temperatures are those on the inside of the pressure retaining structure.
- The use of these ratings requires gaskets conforming to the requirements of ANSI B16.5. The user is responsible for selecting gaskets of dimensions and materials to withstand the required bolt loading without injurious crushing, and suitable for the service conditions in all other respects.

Pressure Class	150	300
Test Pressure	425	1100
Service Temperature °F	Working Pressure	
-20 to 100	275	720
150	255	710
200	240	700
250	225	690
300	210	680
350	195	675
400	180	665
450	165	650
500	150	625
550	140	590
600	130	555
650	120	515
700	110	470
750	100	425

Air Velocity in a Pipe

Using the equation and typical values of V, D, and L explained to the right approximate values of P are computed as follows:

Velocity Ft / Sec	Pipe Diameter in Inches, 10' long				
	1	2	4	6	10
1	.0004	.0002	.0001	.00007	.00004
2	.0016	.0008	.0004	.00030	.00016
5	.0100	.0050	.0025	.00170	.0010
10	.0400	.0200	.0100	.00670	.0040
15	.0900	.0450	.0225	.01500	.0090
20	.1600	0080	.0400	.02700	.0160
25	.2500	.1250	.0625	.04170	.0250
30	.3600	.1800	.0900	.06000	.0360

$$V = \sqrt{\frac{25{,}000\ DP}{L}}$$

V = air velocity in feet per second
D = pipe inside diameter in inches
L = length of pipe in feet
P = pressure loss due to air friction in ounces/square inch

Air Volume Discharged from Pipe

CFM = air volume in cubic feet per minute
V = air velocity in feet per second as determined in the equation at the top of this page
A = cross section area of pipe in square feet

$$CFM = 60VA$$

Boyle's Law

If temperature is kept constant, the volume of a given mass of gas is inversely proportional to the pressure which is exerted upon it.

$$\frac{\text{Initial Pressure}}{\text{Final Pressure}} = \frac{\text{Final Volume}}{\text{Initial Volume}}$$

Air Supply Requirements (operating pressure: 90 PSI)

Tool	Class	Typical Air Consumption (CFM)	Hose Size (inches)		
			0 - 10 ft.	10 - 50 ft.	50 - 200 ft.
Paving breakers	25 lb. 35 lb. 60 lb. 80 lb.	45 50 65 80	1/2" 1/2" 1/2" 3/4"	1/2" 3/4" 3/4" 3/4"	3/4" 3/4" 1" 1"
Clay diggers		45	1/2"	1/2"	3/4"
Hand drills	8 lb. 15 lb.	20 32	3/8" 3/8"	3/8" 1/2"	1/2" 1/2"
Rock (sinker) drills	45 lb. 55 lb.	105 130	3/4" 3/4"	3/4" 1"	1" 1"
Tampers	5" butt 6" butt	20 30	3/8" 1/2"	1/2" 1/2"	1/2" 3/4"
Sump pump Sludge pump	3 HP Ejector	100 90	3/4" 1"	3/4" 1"	1" 1"
Vibrators	2-1/2" 3"	60 60	1" 1"	1" 1"	1" 1"
Chipping hammers		25	3/8"	1/2"	1/2"
Impact wrenches	3/8" sq. dr. 1/2" 3/4" 1"	10 15 25 50	5/16" 5/16" 3/8" 1/2"	3/8" 3/8" 1/2" 3/4"	3/8" 1/2" 1/2" 3/4"
Drills	1/4" - 1/2"	22	3/8"	3/8"	1/2"
Grinders	die / burr small angle 3 HP vertical	20 20 75	3/8" 3/8" 1/2"	3/8" 3/8" 3/4"	1/2" 1/2" 1"

CFM vs PSI for Nozzles

- **PSI** = pounds/square inch
- CFM = cubic feet/minute

Gauge PSI	CFM Free Air Flow at Nozzle Diameter (inches)							
	1/64	1/32	3/64	1/16	3/32	1/8	3/16	1/4
1	.03"	.11"	.2"	.4"	1.0"	1.7"	3.9"	6.8"
5	.06"	.24"	.5"	1.0"	2.2"	3.9"	8.7"	15.4"
10	.08"	.34"	.8"	1.4"	3.1"	5.4"	12.3"	21.8"
15	.10"	.42"	.9"	1.6"	3.7"	6.6"	15.0"	26.7"
20	.12"	.48"	1.1"	1.9"	4.2"	7.7"	17.1"	30.8"
25	.13"	.54"	1.2"	2.2"	4.7"	8.6"	19.4"	34.5"
30	.16"	.63"	1.4"	2.5"	5.6"	10.0"	22.5"	40.0"
40	.19"	.77"	1.7"	3.1"	6.8"	12.3"	27.5"	49.1"
50	.22"	.91"	2.0"	3.6"	8.2"	14.5"	32.8"	58.2"
60	.26"	1.05"	2.3"	4.2"	9.4"	16.8"	37.5"	67.0"
70	.29"	1.19"	2.7"	4.8"	10.7"	19.0"	43.0"	76.0"
80	.33"	1.33"	3.0"	5.3"	11.9"	21.2"	47.5"	85.0"
90	.36"	1.47"	3.3"	5.9"	13.1"	23.5"	52.5"	94.0"
100	.40"	1.61"	3.7"	6.4"	14.5"	25.8"	58.3"	103.0"
110	.43"	1.76"	3.9"	7.0"	15.7"	28.0"	63.0"	112.0"
120	.47"	1.90"	4.3"	7.6"	17.0"	30.2"	68.0"	121.0"
130	.50"	2.04"	4.6"	8.1"	18.2"	32.4"	73.0"	130.0"
140	.54"	2.17"	4.9"	8.7"	19.5"	34.5"	78.0"	138.0"
150	.57"	2.33"	5.2"	9.2"	20.7"	36.7"	83.0"	147.0"
175	.66"	2.65"	5.9"	10.6"	23.8"	42.1"	95.0"	169.0"
200	.76"	3.07"	6.9"	12.2"	27.5"	48.7"	110.0"	195.0"

Air Receiver Capacities

Tank Size (inches)	Tank Size (gallons)	Gauge Pressure on Tank (PSI)			
		0	100	150	200
		Cubic Feet Tank Capacity			
12 x 24	10	1.3	11	15	19
14 x 36	20	2.7	21	30	39
16 x 36	30	4.0	31	45	59
20 x 48	60	8.0	62	90	117
20 x 63	80	10.7	83	120	156
24 x 68	120	16.0	125	180	234
30 x 84	240	32.0	250	360	467

If your tank is not listed in the table to the left, use the following formula to calculate the tank size (gallons) and then estimate the cubic feet tank capacity at a given pressure from the table above.

$$\text{Tank Gallons} = \frac{\text{Tank Height} \times (\text{Tank Radius})^2}{73.53}$$

Height and radius are in inches

Air Hose Friction

- **PSI** = pressure in pounds/square inch
- CFM = air flow in cubic feet/minute

Hose Size (inches)	CFM thru 50' Hose	Gauge Pressure – Pounds/sq inch			
		50	70	90	110
		PSI Loss Over 50' Hose Length			
1/2"	20	1.8	1.0	.8	.6
	30	5.0	3.4	2.4	2.0
	40	10.1	7.0	5.4	4.3
	50	18.1	12.4	9.5	7.6
	60	X	20.0	14.8	12.0
	70	X	28.4	22.0	17.6
	80	X	X	30.5	24.6
	90	X	X	41.0	33.3
	10	X	X	X	44.5
	110	X	X	X	X
3/4"	20	04	.2	.2	.1
	30	.08	.5	.4	.3
	40	1.5	.9	.7	.5
	50	2.4	1.5	1.1	.9
	60	3.5	2.3	1.6	1.3
	70	4.4	3.2	2.3	1.8
	80	6.5	4.2	3.1	2.4
	90	8.5	5.5	4.0	3.1
	100	11.4	7.0	5.0	3.9
	110	14.2	8.8	6.2	4.9
	120	X	11.0	7.5	5.9
	130	X	X	9.0	7.1
1"	20	.1	0	0	0
	30	.2	.1	.1	.1
	40	.3	.2	.2	.2
	50	.5	.4	.3	.2
	60	.8	.5	.4	.3
	70	1.1	.7	.6	.4
	80	1.5	1.0	.7	.6
	90	2.0	1.3	.9	.7
	100	2.6	1.6	1.2	.9
	110	3.5	2.0	1.4	1.1
	120	4.8	2.5	1.7	1.3
	130	7.0	3.1	2.0	1.5

X Pressure loss is too great and therefore the combination of hose size, CFM, and gauge pressure is not recommended. Gauge pressures are the indicated air pressure, in pounds/square inch, at the source (i.e. the air compressor receiver tank).

Maximum Recommended Air Flow (SCFM) Through ANSI Standard Weight Schedule 40 Metal Pipe

- Flow values in the table below are based on a pressure drop of 10% of the applied pressure per 100 feet of pipe for 1/8", 1/4", 3/8", and 1/2" pipe sizes; and a pressure drop of 5% of the applied pressure per 100 feet of pipe for 3/4", 1", 1-1/4", 2", 2-1/2", 3" pipe sizes. The table gives recommended flows for pipe sizes at listed pressures and should be used to determine appropriate piping for air systems.

Applied Pressure PSI	Nominal Standard Pipe Size										
	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"
5	0.5	1.2	2.7	4.9	6.6	13	27	40	80	135	240
10	0.8	1.7	3.9	7.7	11.0	21	44	64	125	200	370
20	1.3	3.0	6.6	13.0	18.5	35	75	110	215	350	600
40	2.5	5.5	12.0	23.0	34.0	62	135	200	385	640	1100
60	3.5	8.0	18.0	34.0	50.0	93	195	290	560	900	1600
80	4.7	10.5	23.0	44.0	65.0	120	255	380	720	1200	2100
100	5.8	13.0	29.0	54.0	80.0	150	315	470	900	1450	2600
150	8.6	20.0	41.0	80.0	115.0	220	460	680	1350	2200	3900
200	11.5	26.0	58.0	108.0	155.0	290	620	910	1750	2800	5000
250	14.5	33.0	73.0	135.0	200.0	370	770	1150	2200	3500	6100

Suggested Pipe Size for Compressed Air Flow at 100 PSI Length of Run, Feet

SCFM Air Flow	25	50	75	100	150	200	300	500	1000	Compressor HP
4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3/4	3/4	1
12	1/2	1/2	1/2	3/4	3/4	1/2	3/4	1	1	3
20	3/4	3/4	3/4	3/4	1	3/4	1	1-1/4	1-1/4	5
30	3/4	3/4	1	1	1	1	1-1/4	1-1/4	1-1/4	7-1/2
40	3/4	1	1	1	1-1/4	1	1-1/4	1-1/2	1-1/2	10
60	1	1	1-1/4	1-1/4	1-1/4	1-1/4	1-1/2	1-1/2	2	15
80	1	1-1/4	1-1/4	1-1/4	1-1/2	1-1/4	1-1/2	2	2	20
100	1-1/4	1-1/4	1-1/2	1-1/2	1-1/2	1-1/2	2	2	2-1/2	25
120	1-1/4	1-1/2	1-1/2	1-1/2	2	1-1/2	2	2-1/2	2-1/2	30
160	1-1/4	1-1/2	1-1/2	2	2	1-1/2	2-1/2	2-1/2	3	40
200	1-1/2	2	2	2	2	2	2-1/2	3	3	50
240	1-1/2	2	2	2	2-1/2	2	2-1/2	3	3	60
300	2	2	2	2-1/2	2-1/2	2	3	3	3-1/2	75
400	2	2-1/2	2-1/2	2-1/2	3	2-1/2	3	3-1/2	4	100
500	2	2-1/2	2-1/2	3	3	2-1/2	3-1/2	3-1/2	4	125

On a compressed air distribution system, pressure losses greater than 3% are considered excessive, and a well-designed system having a steady rate of air flow is usually designed for not more than a 1% loss or **1 PSI** for a **100 PSI** system. The pipe size depends not only on the volume of air flow but how far it must be carried. To hold the distribution loss to 1 PSI, pipes of larger diameter must be used on longer runs to carry the same flow that can be handled by smaller pipes on shorter runs.

Figures in the body of the chart above are pipe sizes recommended on a **100 PSI** system to carry air with less than **1 PSI** loss. When measuring lengths of runs, add 5' of length for each pipe fitting. If carrying **120 PSI** pressure these sizes will carry slightly more air than shown, or pressure loss will be slightly less than **1 PSI**. If carrying **80 PSI** pressure these pipes will carry slightly less air at **1 PSI** pressure loss than shown in the chart.

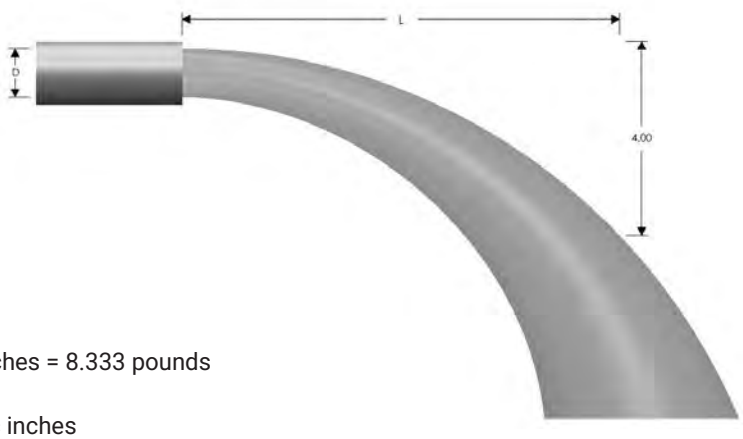
The left column of the chart shows the volume of air to be carried. It is difficult to estimate the air flow volume to be carried in each leg of the distribution system. This varies with the application. On some applications, like in a large plant with many legs in the distribution system serving dozens of air-operated machines, the air usage may be at a fairly steady rate. Other applications, usually on small systems, may have to carry a high surge of air if several machines happen to be operated at the same time. Then there may be a period with almost no flow.

To make a realistic estimate of air flow volume, the far right column of the chart showing compressor HP may be used. On steady pumping, a compressor will produce a minimum of 4 SCFM air flow for each 1 HP of capacity. This is a conservative figure, as most compressors will produce 5 or 6 SCFM.

For example, a 25 HP compressor will produce at least 100 SCFM of air as shown in the far left column on the same line as 25 HP.

(Excerpted from *Industrial Fluid Power*, Volume 1, third edition, 1984)

Water Constants and Formulas



1 gallon water = 231 cubic inches = 8.333 pounds

1 pound of water = 27.7 cubic inches

1 cubic foot water = 7.5 gallons = 62.5 pounds (salt water weighs approximately 64.3 pounds per cubic foot)

Pounds per square inch at bottom of a column of water = height of column in feet x .434

1 miner's inch = 9 to 12 gallons per minute

Horsepower to raise water:
If pumping liquid other than water, multiply the gallons per minute below by the liquid's specific gravity

$$\text{Horsepower} = \frac{\text{gallons per minute x total head in feet}}{3{,}960}$$

Gallons per minute through a pipe:
GPM = .0408 x pipe diameter inches^2 x feet/minute water velocity

Weight of water in a pipe:
Pounds water = pipe length feet x pipe diameter inches ^{2} x .34

L Distance (inches)	Gallons per Minute Discharge for a Given Nominal Pipe Diameter D (inches)				
	5	6	8	10	12
5	163	---	---	---	---
6	195	285	---	---	---
7	228	334	580	---	---
8	260	380	665	1060	---
9	293	430	750	1190	1660
10	326	476	830	1330	1850
11	360	525	915	1460	2020
12	390	570	1000	1600	2220
13	425	620	1080	1730	2400
14	456	670	1160	1860	2590
15	490	710	1250	2000	2780
16	520	760	1330	2120	2960
17	550	810	1410	2260	3140
18	590	860	1500	2390	3330
19	620	910	1580	2520	3500
20	650	950	1660	2660	3700
21	685	1000	1750	2800	3890
22	720	1050	1830	2920	4060
23	750	1100	1910	3060	4250
24	---	1140	2000	3200	4440

Water Discharge Table

This table is intended for general reference and general applicability only and should not be relied upon as the sole or precise source of information available with respect to the subject covered. The user should also refer to and follow manufacturers' specific instructions and recommendations with regard to such information, where they exist.

Flow of water through 100 foot lengths of hose, Straight – Smooth Bore – U.S. gallons per minute

PSI at Hose Inlet	Nominal Hose I.D. Diameters – Inches							
	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"
20	26	47	76	161	290	468	997	2895
30	32	58	94	200	360	582	1240	3603
40	38	68	110	234	421	680	1449	4209
50	43	77	124	264	475	767	1635	4748
60	47	85	137	291	524	846	1804	5239
75	53	95	154	329	591	955	2035	5910
100	62	112	180	384	690	1115	2377	6904
125	70	126	203	433	779	1258	2681	7788
150	77	139	224	478	859	1388	2958	8593
200	90	162	262	558	1004	1621	3455	10038

Figures are to be used as a guide since the hose inside diameter tolerance, the type of fittings used, and orifice restriction all influence the actual discharge. Thus, variations plus or minus from the table may be obtained in actual service.

Conversion Table – Feet of Water to Inches of Mercury

Feet of Water	1	2	4	6	8	10	12	14	16	20	22	24	26	28	30	32	34
Inches of Mercury	0.9	1.8	3.5	5.3	7.1	8.8	10.6	12.4	14.1	17.7	19.4	21.2	23.0	24.8	26.5	28.3	30.0

Feet Head of Water to PSI

- One foot of water at **62°F** = **0.433 PSI**, to find the **PSI** for any feet head not given in the table, multiply the feet head by 0.433.

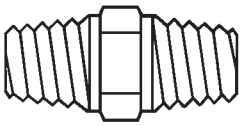
Feet Head	Pounds per Square Inch
1	**0.43**
2	**0.87**
3	**1.30**
4	**1.73**
5	**2.17**
6	**2.60**
7	**3.03**
8	**3.46**
9	**3.90**
10	**4.33**
15	**6.50**
20	**8.66**
25	**10.83**
30	**12.99**
40	**17.32**
50	**21.65**
60	**25.99**
70	**30.32**
80	**34.65**
90	**38.98**
100	**43.31**
110	**47.64**
120	**51.97**
130	**56.30**
140	**60.63**
150	**64.96**
160	**69.29**
170	**73.63**
180	**77.96**
200	**86.62**
250	**108.27**
300	**129.93**
350	**151.58**
400	**173.24**
500	**216.55**
600	**259.85**
700	**303.16**
800	**346.47**
900	**389.78**
1000	**433.00**

Thread Information

Pipe Threads

Pipe threads are either tapered or straight (parallel). The two styles may or may not be compatible. Refer to thread information chart on page 1134 and 1135.

Tapered threads

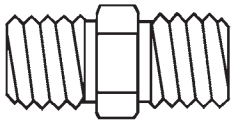


tapered threads

Tapered threads are the most common type of thread available. As the name implies, they have a slight taper. When mated together and tightened, the threads compress and may form a seal. Usually a thread sealant is required. The mating threads both hold the fitting in place and seal the connection. The most widely used pipe threads in North America are NPT (National Pipe Taper). Some confusion may result from the use of NPT, FPT, and MPT in describing threads. Both FPT and MPT are NPT threads, with FPT meaning female threads (internal) and MPT meaning male threads (external).

NPTF (Dryseal) threads are modified NPT threads, which are less likely to leak without a sealant. For a leak-free seal, we recommend using a sealant compound or PTFE tape. You can use NPTF threads with NPT threads, but you'll lose some of the leak-free characteristics.

Straight threads



straight threads

Straight (parallel) threads are used for mechanical joining. They serve one purpose – to hold a fitting in place. As a result, an O-ring (elastomer), hard metal seal or a soft seat seal is required. Straight pipe threads include NPSM (National Pipe Straight Mechanical), and NPSH (National Pipe Straight Hose). Sizing and pitches may differ from the NPT threads

Less common straight threads are GHT (Garden Hose) and NST (fire hose coupling).

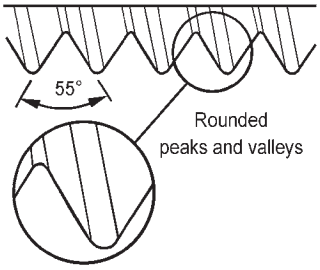
NPT vs. BSP (British Standard Pipe)

BSP threads are common in many countries outside the United States. BSP consists of two types of threads - BSPT (British Standard Pipe Taper) and BSPP (British Standard Pipe Parallel).

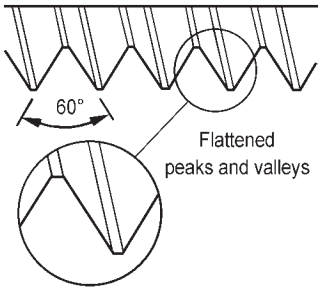
BSPT threads have a slight taper similar to NPT. BSPP threads are straight (parallel) threads and have the same thread angle, shape and threads per inch (pitch) as BSPT threads. *BSPT and BSPP threads should not be substituted for NPT threads*.

NPT and BSPT/BSPP threads have different angles, shape, and (in most cases) threads per inch (pitch). The thread angle is 60° for NPT threads; 55° for BSPT/BSPP threads. NPT threads are flattened at the peaks and valleys, while BSPT/BSPP threads are rounded.

BSPT/BSPP threads



NPT threads



Nominal Pipe Size	Threads per inch	
	NPT	BSPT/BSPP
1/16"	27	---
1/8"	27	28
1/4"	18	19
3/8"	18	19
1/2"	14	14
3/4"	14	14
1"	11-1/2	11
1-1/4"	11-1/2	11
1-1/2"	11-1/2	11
2"	11-1/2	11
2-1/2"	8	11
3"	8	11
3-1/2"	8	11
4"	8	11
5"	8	11
6"	8	11
8"	8	11

Thread Information

Identifying Threads

It is important to identify the threads required before ordering couplings.

Identifying threads can sometimes be the most difficult and frustrating part of coupling selection. However, without the right combination of threads, you may not provide a functional or safe connection.

The diameters, threads per inch (TPI) and thread pitch, etc. are necessary to completely identify a thread. Ring, plug, and GO/NOGO gauges are required to accurately gauge or identify threads. In the field, in the absence of these gauges, thread leaf gauges can be used to identify the threads per inch (TPI) and the thread pitch. On threads you have determined to be straight threads, a caliper can be used to measure the outside diameter of the male (ODM) or the inside diameter of the female (IDF). A caliper can also be used to take measurements of tapered thread diameters. However, these are more difficult to define because of the taper. Fortunately, there are few tapered threads to deal with and these can usually be identified from the nominal ODM and the TPI.

However, identifying the thread may not fully identify what is needed in a mating fitting. The application is the primary *limiting factor on the thread type used.* Dixon® offers products with a wide variety of threads used with hose, pipe, and hydraulics.

When attempting to choose a fitting, it is always advisable to first identify the thread to which it must connect. This may entail checking with a fitting or equipment manufacturer.

The fire hose thread specifications for some local municipal fire equipment and hydrants may vary according to local specifications. These can generally be most easily identified by contacting the local fire department responsible for the hydrant. The most common thread used on fire equipment is National Standard Thread (NST), also known as National Hose thread (NH).

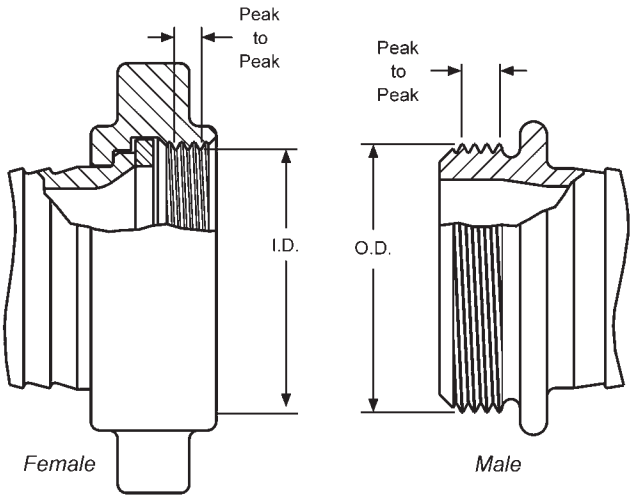
When it is not possible to identify the thread:

1. Determine the number of threads per inch by measuring the distance from peak of thread to peak of thread across the largest number of whole threads. Then divide the number of threads by the measurement (this will provide the TPI).

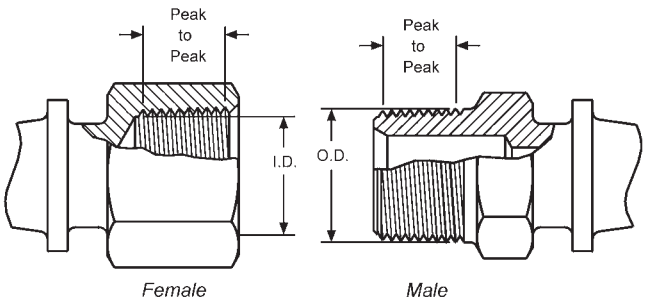
2. Check to see if the thread is straight or tapered.
   a) Straight Threads
      Measure the outside diameter of the male (ODM) or the inside diameter of the female (IDF), from peak of thread to peak of thread.
   b) Tapered Threads
      Measure the outside diameter of the male (ODM) at the large end and the small end, or the inside diameter of the female (IDF) at the large end and the small end, from peak of thread to peak of thread. Then measure the outside diameter (O.D.) of the unthreaded pipe.

Once the application and these two pieces of information have been determined, the thread can generally be determined. When in doubt, call Dixon at 800.355.1991.

Straight Thread



Tapered Thread



Thread Types

Abbreviation	System Name	Compatibility	Seal Method
BSPP	**B**ritish **S**tandard **P**ipe **P**arallel	male BSPP with female BSPP	washer
		female BSPP with male BSPP	washer
		female BSPP with male BSPT	washer
BSPTr	**B**ritish **S**tandard **P**ipe **T**aper	male BSPTr with female BSPTr	thread
		male BSPTr with female BSPP	washer
		female BSPTr with male BSPTr female BSPTr not compatible with male BSPP	thread
CHT	American Standard Fire Hose Thread (1" National Hose Thread is **C**hemical **H**ose **T**hread, also known as Booster Hose Thread)	1" male NH (NST) with 1" female NH (NST)	washer
		1" female NH (NST) with 1" male NH (NST)	washer
		1" thread is used on both 3/4" hose & 1" hose	not compatible
GHT	**G**arden **H**ose **T**hread	male GHT with female GHT	washer
		female GHT with male GHT	washer
		thread is same for all size hose	not compatible
IPS	**I**ron **P**ipe **S**traight **T**hread	generic name for Straight Pipe Thread see NPSH for compatibility	washer
IPT	**I**ron **P**ipe **T**hread	generic name for All Pipe Thread	more information required
JIC	**J**oint **I**ndustrial **C**ommittee	used with other mating JIC threads	mechanical
NH or NST	American Standard Fire Hose Coupling Thread (**N**ational **H**ose thread also known as **N**ational **S**tandard **T**hread)	male NH (NST) with female NH (NST)	washer
		female NH (NST) with male NH (NST) thread pitch and diameters of fire threads may vary according to local and municipal regulations not compatible with other systems	washer
NPT	American Standard Taper Pipe Thread (**N**ational **P**ipe **T**apered)	male NPT with female NPT	thread
		male NPT with female NPTF	thread
		male NPT with female NPSM	washer
		male NPT with female NPSH	washer
		female NPT with male NPT	thread
		female NPT with male NPTF female NPT not compatible with male NPSM or male NPSH	thread
NPTF	American Standard Taper Pipe Fuel Dryseal Thread (National Pipe Tapered Dryseal)	male NPTF with female NPTF	thread
		male NPTF with female NPT	thread
		male NPTF with female NPSM	washer
		male NPTF with female NPSH	washer
		female NPTF with male NPTF	thread
		female NPTF with male NPT	thread
		female NPTF with male NPSM or NPSH NPTF with NPTF threads do not require sealant for the initial use, after that, sealant is required	not compatible
NPSH	American Standard Straight Pipe for Hose Couplings (**N**ational **P**ipe **S**traight **H**ose)	male NPSH with female NPSH	washer
		female NPSH with male NPSH	washer
		female NPSH with male NPT	washer
		female NPSH with male NPTF	washer
		female NPSH with male NPSM	washer
NPSM	American Standard Straight Mechanical Joints (**N**ational **P**ipe **S**traight **M**echanical)	male NPSM with female NPSM	Seal can be either mechanical or washer. Mating fittings must be of same type.
		male NPSM with female NPSH	
		female NPSM with male NPSM	
		female NPSM with male NPT	
		female NPSM with male NPTF	
SIPT	**S**traight **I**ron **P**ipe **T**hread	generic name for Straight Pipe Thread	washer
TIPT	**T**apered **I**ron **P**ipe **T**hread	generic name for Tapered Pipe Thread	thread
NYFD	**NYFD** Fire Department	straight thread used in New York City	washer
Chicago	**Chicago** Fire Department	straight thread used in Chicago	washer

Thread Sealing Tips

Thread Sealing Tips

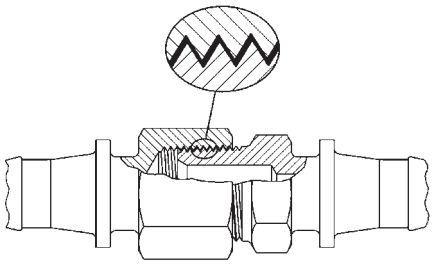
Sealing NPT threads can be an exasperating experience if certain techniques are not followed. The following tips will help alleviate many common problems in thread sealing:

1. Always use some type of sealant (tape or paste) and apply sealant to male thread only. If using a hydraulic sealant, allow sufficient curing time before system is pressurized.
2. When using tape sealant, wrap the threads in a clock-wise motion starting at the first thread and, as layers are applied, work towards the imperfect (vanishing) thread. If the system that the connection being made to cannot tolerate foreign matter (i.e. air systems), leave the first thread exposed and apply the tape sealant as outlined above.
3. When using paste sealant, apply to threads with a brush, using the brush to work the sealant into the threads. Apply enough sealant to fill in all the threads all the way around.
4. When connecting one stainless steel part to another stainless steel part that will require future disassembly, use a thread sealant that is designed for stainless steel (see page 1064). This stainless steel thread sealant is also useful when connecting aluminum to aluminum that needs to be disconnected in the future. These two materials gall easily, and if the correct sealant is not used, it can be next to impossible to disassemble.
5. When connecting parts made of dissimilar metals (i.e. steel and aluminum), standard tape or paste sealant performs satisfactory.
6. For sizes 2" and below, tape or paste performs satisfactory. When using thread tape, four wraps (covering all necessary threads) is usually sufficient.
7. For sizes 2-1/2" and above, thread paste is recommended. If thread tape is used, eight wraps (covering all necessary threads) is usually sufficient. Apply more wraps if necessary.
8. For stubborn to seal threads, apply a normal coating of thread paste followed by a normal layer of thread tape.
9. For extremely stubborn to seal threads, apply a normal coating of thread paste followed by a single layer of gauze bandage followed by a normal layer of thread tape.

Caution!

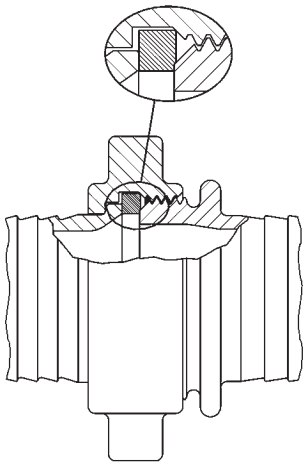
When this procedure is done, the connection becomes permanent. Extreme measures will be necessary to disconnect these components. *All other measures to seal the threads should be explored prior to use of this technique.*

10. Over-tightening threads can be just as detrimental as insufficient tightening. For sizes 2" and below, hand tighten the components and, with a wrench, tighten 3 full turns. For sizes 2-1/2" and above, hand tighten the components and, with a wrench, tighten 2 full turns.



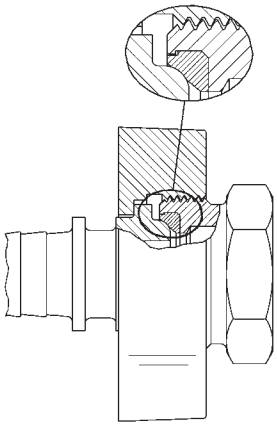
Thread Seal Type

- A seal is obtained by applying a sealant to the male thread before engaging.
- The sealant is used to prevent spiral leakage.
- Thread tape or paste is the preferred sealant in this type of application.
- Please refer to page 1064 for thread tape options.



Washer Seal Type

- A seal is obtained when the male thread is tightened down onto the washer of the female assembly.
- The washer should be inspected regularly and replaced as needed to prevent leakage.
- Please refer to pages 164, 388, 1045 for replacement washers.



Mechanical Seal Type

- A seal is obtained through metal to metal contact or metal to seal contact, i.e. JIC couplings (pages 559-564) have a metal to metal seal. Boss® Ground Joint couplings (pages 159-161) have a metal to seal contact (shown above).
- The couplings should be retightened as needed to prevent leakage.

Thread Dimensions

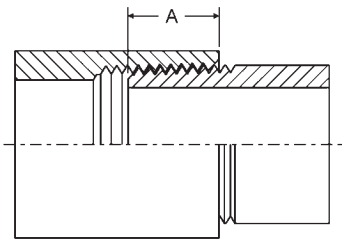
Nominal Dimensions of Standard Threads

- ODM = Outside diameter of the male
- IDF = Inside diameter of the female
- TPI = Threads per inch
- GHT (3/4") -- 1.0625 ODM, 11-1/2 TPI
- Female NPT (tapered pipe) thread is not available on hose swivel nuts

Size	Pipe O.D.	Tapered Threads		Straight Threads											
		NPT	BSPTr	NPSH			NPSM			NST (NH)			BSPP		
		TPI	TPI	TPI	ODM (max)	IDF (min)	TPI	ODM (max)	IDF (min)	TPI	ODM (max)	IDF (min)	TPI	ODM (max)	IDF (min)
1/8"	.405	27.0	28				27.0	0.397	0.358				28	0.383	0.337
1/4"	.540	18.0	19				18.0	0.526	0.468				19	0.516	0.450
3/8"	.675	18.0	19				18.0	0.662	0.603				19	0.656	0.588
1/2"	.840	14.0	14	14.0	0.8248	0.7395	14.0	0.823	0.747				14	0.825	0.733
3/4"	1.050	14.0	14	14.0	1.0353	0.9500	14.0	1.034	0.958				14	1.041	0.950
1"	1.315	11.5	11	11.5	1.2951	1.1921	11.5	1.293	1.201	8.0	1.375	1.2246	11	1.309	1.193
1-1/4"	1.660	11.5	11	11.5	1.6399	1.5369	11.5	1.638	1.546				11	1.650	1.534
1-1/2"	1.900	11.5	11	11.5	1.8788	1.7758	11.5	1.877	1.785	9.0	1.990	1.8577	11	1.882	1.766
2"	2.375	11.5	11	11.5	2.3528	2.2498	11.5	2.351	2.259				11	2.347	2.231
2-1/2"	2.875	8.0	11	8.0	2.8434	2.6930	8.0	2.841	2.708	7.5	3.068	2.9104	11	2.960	2.844
3"	3.500	8.0	11				8.0	3.467	3.334	6.0	3.623	3.4223	11	3.460	3.344
4"	4.500	8.0	11				8.0	4.466	4.333	4.0	5.010	4.7111	11	4.450	4.334
4-1/2"										4.0	5.760	5.4611			
5"	5.563	8.0	11				8.0	5.528	5.395	4.0	6.260	5.9602	11	5.450	5.359
6"	6.625	8.0	11				8.0	6.585	6.452	4.0	7.025	6.7252	11	6.450	6.359
8"	8.625	8.0													
10"	10.750	8.0													
12"	12.750	8.0													

Normal Engagement Length of NPT Thread in Inches (A)

- Dimensions given do not allow for variations in tapping or threading.



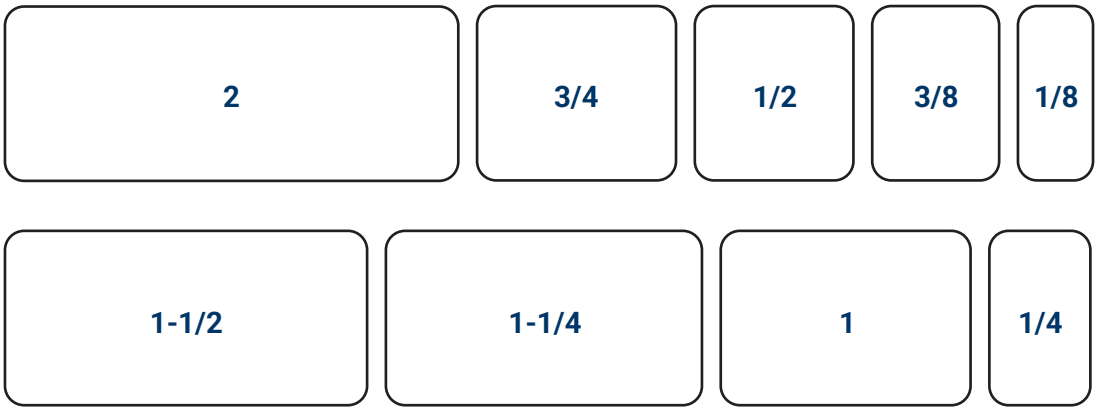
Thread Size	Dimension A
1/8"	1/4"
1/4"	3/8"
3/8"	3/8"
1/2"	1/2"
3/4"	9/16"
1"	11/16"
1-1/4"	11/16"
1-1/2"	11/16"
2"	3/4"
2-1/2"	15/16"
3"	1"
4"	1-1/8"
5"	1-1/4"
6"	1-5/16"
8"	1-7/16"
10"	1-5/8"
12"	1-3/4"

Thread Chart for Hydraulic Fittings

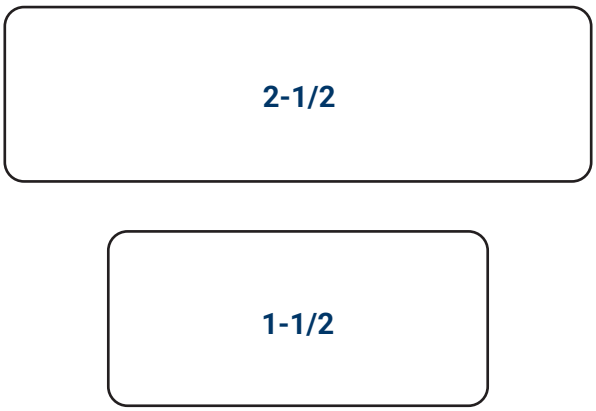
Dash Size	2	4	6	8	10	12	16	20	24	32	40	48
JIC 37 degree Flare Thread	5/16-24	7/16-20	9/16-18	3/4-16	7/8-14	1-1/16-12	1-5/16-12	1-5/8-12	1-7/8-12	2-1/2-12	---	---
SAE O-ring Thread	---	7/16-20	9/16-18	3/4-16	7/8-14	1-1/16-12	1-5/16-12	1-5/8-12	1-7/8-12	2-1/2-12	---	---
NPTF Pipe Thread	1/8-27	1/4-18	3/8-18	1/2-14	---	3/4-14	1-11 1/2	1-1/4-11 1/2	1-1/2-11 1/2	2-11 1/2	---	---
NPSM Swivel Thread	---	1/4-18	3/8-18	1/2-14	---	3/4-14	1-11 1/2	1-1/4-11 1/2	1-1/2-11 1/2	2-11 1/2	---	---
Flat Face Thread	---	9/16-18	11/16-16	13/16-16	1-14	1-3/16-12	1-7/16-12	---	---	---	---	---
Code 61 Flange Head O.D.	---	---	---	1.19	---	1.50	1.75	2.00	2.38	2.81	3.31	4.0
Code 62 Flange Head O.D.	---	---	---	1.25	---	1.62	1.88	2.12	2.50	3.12	---	---
British Thread BSPP/BSPT	---	1/4-19	3/8-19	1/2-14	_	3/4-14	1-11	---	---	---	---	---

Fittings Size Chart

Male NPT Thread Sizes

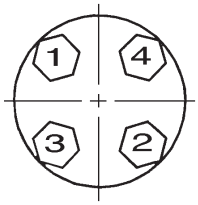


Male NST Thread Sizes

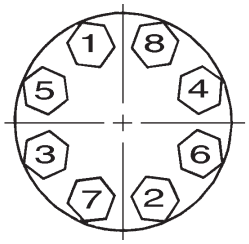


Flange Bolt Tightening Sequence

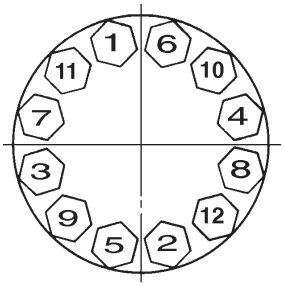
(Use appropriate gaskets and bolts)



4 Bolt



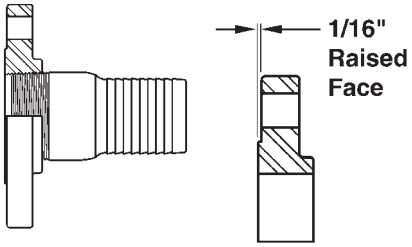
8 Bolt



12 Bolt

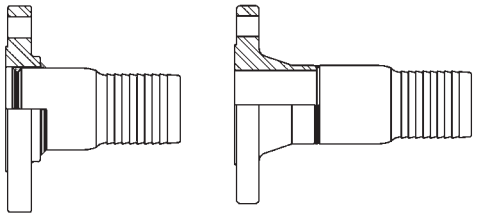
Flange Diagrams

Threaded Applications



Threaded flange with raised face

Welded Applications

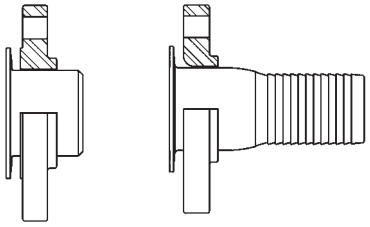


Slip-on flange with raised face

Weld neck flange with raised face

Floating Applications

(flange free to swivel)



Slip-on flange with raised face

Lap-joint flange

Dimensions of 150 LB. ASA Steel Flanges

Nominal Pipe Size	Flange O.D.	Thickness[1]	O.D. of Raised Face	Diameter of Bolt Circle	Number of Bolts	Diameter of Bolt Holes	Diameter of Bolts
1"	4-1/4"	9/16"	2"	3-1/8"	4	5/8"	1/2"
1-1/4"	4.62"	5/8"	2-1/2"	3-1/2"	4	5/8"	1/2"
1-1/2"	5"	11/16"	2-7/8"	3-7/8"	4	5/8"	1/2"
2"	6"	3/4"	3-5/8"	4-3/4"	4	3/4"	5/8"
2-1/2"	7"	7/8"	4-1/8"	5-1/2"	4	3/4"	5/8"
3"	7-1/2"	15/16"	5"	6"	4	3/4"	5/8"
4"	9"	15/16"	6-3/16"	7-1/2"	8	3/4"	5/8"
5"	10"	15/16"	7-5/16"	8-1/2"	8	7/8"	3/4"
6"	11"	1"	8-1/2"	9-1/2"	8	7/8"	3/4"
8"	13-1/2"	1-1/8"	10-5/8"	11-3/4"	8	7/8"	3/4"
10"	16"	1-3/16"	12-3/4"	14-1/4"	12	1"	7/8"
12"	19"	1 1/4"	15"	17"	12	1"	7/8"

[1] 1/16" raised face is included in the thickness

Dimensions of Tank Truck Flanges (TTMA Drilling)

Nominal Pipe Size	Flange O.D.	Thickness[1]	Diameter of Bolt Circle	Number of Bolts	Diameter of Bolt Holes	Diameter of Bolts
3"	5-5/8"	3/8"	4-7/8"	8	7/16"	3/8"
4"	6-5/8"	3/8"	5-7/8"	8	7/16"	3/8"
6"	8-7/8"	3/8"	8-1/8"	12	7/16"	3/8"

[1] Listed thickness is for aluminum flanges

ANSI Flange Dimensions

150 lb. Standard

Nominal Pipe Size	Outside Diameter Flange	Flange Thickness	Drill Template		
			Number Holes	Diameter Bolts	Bolt Circle
1/2"	3-1/2"	7/16"	4	1/2"	2-3/8"
3/4"	3-7/8"	1/2"	4	1/2"	2-3/4"
1"	4-1/4"	9/16"	4	1/2"	3-1/8"
1-1/4"	4-5/8"	5/8"	4	1/2"	3-1/2"
1-1/2"	5"	11/16"	4	1/2"	3-7/8"
2"	6"	3/4"	4	5/8"	4-3/4"
2-1/2"	7"	7/8"	4	5/8"	5-1/2"
3"	7-1/2"	15/16"	4	5/8"	6"
3-1/2"	8-1/2"	15/16"	8	5/8"	7"
4"	9"	15/16"	8	5/8"	7-1/2"
5"	10"	15/16"	8	3/4"	8-1/2"
6"	11"	1"	8	3/4"	9-1/2"
8"	13-1/2"	1-1/8"	8	3/4"	11-3/4"
10"	16"	1-3/16"	12	3/4"	14-1/4"
12"	19"	1-1/4"	12	3/4"	17"

300 lb. Standard

Nominal Pipe Size	Outside Diameter Flange	Flange Thickness	Drill Template		
			Number Holes	Diameter Bolts	Bolt Circle
1/2"	3-3/4"	9/16"	4	1/2"	2-5/8"
3/4"	4-5/8"	5/8"	4	5/8"	3-1/4"
1"	4-7/8"	11/16"	4	5/8"	3-1/2"
1-1/4"	5-1/4"	3/4"	4	5/8"	3-7/8"
1-1/2"	6-1/8"	13/16"	4	3/4"	4-1/2"
2"	6-1/2"	7/8"	8	5/8"	5"
2-1/2"	7-1/2"	1"	8	3/4"	5-7/8"
3"	8-1/4"	1-1/8"	8	3/4"	6-5/8"
3-1/2"	9"	1-3/16"	8	3/4"	7-1/4"
4"	10"	1-1/4"	8	3/4"	7-7/8"
5"	11"	1-3/8"	8	3/4"	9-1/4"
6"	12-1/2"	1-7/16"	12	3/4"	10-5/8"
8"	15"	1-5/8"	12	7/8"	13"
10"	17-1/2"	1-7/8"	16	1"	15-1/4"
12"	20-1/2"	2"	16	1-1/8"	17-3/4"

600 lb. Standard

Nominal Pipe Size	Outside Diameter Flange	Flange Thickness	Drill Template		
			Number Holes	Diameter Bolts	Bolt Circle
1/2"	3-3/4"	9/16"	4	5/8"	2-5/8"
3/4"	4-5/8"	5/8"	4	3/4"	3-1/4"
1"	4-7/8"	11/16"	4	3/4"	3-1/2"
1-1/4"	5-1/4"	13/16"	4	3/4"	3-7/8"
1-1/2"	6-1/8"	7/8"	4	7/8"	4-1/2"
2"	6-1/2"	1"	8	3/4"	5"
2-1/2"	7-1/2"	1-1/8"	8	7/8"	5-7/8"
3"	8-1/4"	1-1/4"	8	7/8"	6-5/8"
3-1/2"	9"	1-3/8"	8	1"	7-1/4"
4"	10-7/5"	1-1/2"	8	1"	8-1/2"
5"	13"	1-3/4"	8	1-1/8"	10-1/2"
6"	14"	1-7/8"	12	1-1/8"	11-1/2"
8"	16-1/2"	2-3/16"	12	1-1/4"	13-3/4"
10"	20"	2-1/2"	16	1-3/8"	17"
12"	22"	2-5/8"	20	1-3/8"	19-1/4"

900 lb. Standard

Nominal Pipe Size	Outside Diameter Flange	Flange Thickness	Drill Template		
			Number Holes	Diameter of Bolt Holes	Bolt Circle
1/2"	4-3/4"	7/8"	4	7/8"	3-1/4"
3/4"	5-1/8"	1"	4	7/8"	3-1/2"
1"	5-7/8"	1-1/8"	4	1"	4"
1-1/4"	6-1/4"	1-1/8"	4	1"	4-3/8"
1-1/2"	7"	1-1/4"	4	1-1/8"	4-7/8"
2"	8-1/2"	1-1/2"	8	1"	6-1/2"
2-1/2"	9-5/8"	1-5/8"	8	1-1/8"	7-1/2"
3"	9-1/2"	1-1/2"	8	1"	7-1/2"
4"	11-1/2"	1-3/4"	8	1-1/4"	9-1/4"
6"	15"	2-3/16"	12	1-1/4"	12-1/2"
8"	18-1/2"	2-1/2"	12	1-1/2"	15-1/2"
10"	21-1/2"	2-3/4"	16	1-1/2"	18-1/2"
12"	24"	3-1/8"	20	1-1/2"	21"

Pipe Dimensions

Dimensions of Seamless and Welded Steel Pipe
ASA-B36.10 and B36.19

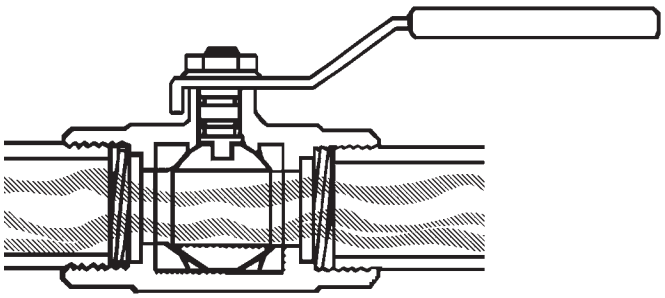
Nominal Pipe Size	O.D. (inches)	Pipe Schedule Wall Thickness												
		10	20	30	Stand.	40	60	Extra Strong	80	100	120	140	160	XXX Strong
1/8"	0.405	0.049	---	---	0.068	0.068	---	0.095	0.095	---	---	---	---	---
1/4"	0.540	0.065	---	---	0.088	0.088	---	0.119	0.119	---	---	---	---	---
3/8"	0.675	0.065	---	---	0.091	0.091	---	0.126	0.126	---	---	---	---	---
1/2"	0.840	0.083	---	---	0.109	0.109	---	0.147	0.147	---	---	---	0.188	0.294
3/4"	1.050	0.083	---	---	0.113	0.113	---	0.154	0.154	---	---	---	0.219	0.308
1"	1.315	0.109	---	---	0.133	0.133	---	0.179	0.179	---	---	---	0.250	0.358
1-1/4"	1.660	0.109	---	---	0.140	0.140	---	0.191	0.191	---	---	---	0.250	0.382
1-1/2"	1.900	0.109	---	---	0.145	0.145	---	0.200	0.200	---	---	---	0.281	0.400
2"	2.375	0.109	---	---	0.154	0.154	---	0.218	0.218	---	---	---	0.344	0.436
2-1/2"	2.875	0.120	---	---	0.203	0.203	---	0.276	0.276	---	---	---	0.375	0.552
3"	3.500	0.120	---	---	0.216	0.216	---	0.300	0.300	---	---	---	0.438	0.600
3-1/2"	4.000	0.120	---	---	0.226	0.226	---	0.318	0.318	---	---	---	---	---
4"	4.500	0.120	---	---	0.237	0.237	---	0.337	0.337	---	0.438	---	0.531	0.674
5"	5.563	0.134	---	---	0.258	0.258	---	0.375	0.375	---	0.500	---	0.625	0.750
6"	6.625	0.134	---	---	0.280	0.280	---	0.432	0.432	---	0.562	---	0.719	0.864
8"	8.625	0.148	0.250	0.277	0.322	0.322	0.406	0.500	0.500	0.594	0.719	0.812	0.906	0.875
10"	10.750	0.165	0.250	0.307	0.365	0.365	0.500	0.500	0.594	0.719	0.844	1.000	1.125	1.000
12"	12.750	0.180	0.250	0.330	0.375	0.406	0.562	0.500	0.688	0.844	1.000	1.125	1.312	1.000

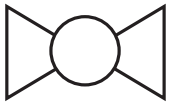
Definitive Cross-Reference from NPS to DN Specification Sizes

Nominal Pipe Size	DN	O.D. (inches)	Pipe Schedule Wall Thickness													
			5S	5	10S	10	20	30	40S	40	60	80S	80	100	120	160
1/8"	6	0.405	---	0.035	---	0.049	---	0.057	---	0.068	---	---	0.095	---	---	---
1/4"	8	0.540	---	0.049	---	0.065	---	0.073	---	0.088	---	---	0.119	---	---	---
1/2"	15	0.840	---	0.065	---	0.083	---	0.095	---	0.109	---	---	0.147	---	0.170	0.188
3/4"	20	1.050	---	0.065	---	0.083	---	0.095	---	0.113	---	---	0.154	---	0.170	0.219
1"	25	1.315	---	0.065	---	0.109	---	0.114	---	0.133	---	---	0.179	---	0.200	0.250
1-1/4"	32	1.660	---	0.065	---	0.109	---	0.117	---	0.140	---	---	0.191	---	0.215	0.250
1-1/2"	40	1.900	---	0.065	---	0.109	---	0.125	---	0.145	---	---	0.200	---	0.225	0.281
2"	50	2.375	---	0.065	---	0.109	---	---	---	0.154	---	---	0.218	---	0.250	0.344
2-1/2"	65	2.875	---	0.083	---	0.120	---	---	---	0.203	---	---	0.276	---	0.300	0.375
3"	80	3.500	---	0.083	---	0.120	---	---	---	0.216	---	---	0.300	---	0.350	0.438
4"	100	4.500	---	0.083	---	0.120	---	---	---	0.237	0.281	---	0.337	---	0.437	0.531
5"	125	5.563	---	0.109	---	0.134	---	---	---	0.258	---	---	0.375	---	0.500	0.625
6"	150	6.625	---	0.109	---	0.134	---	---	---	0.280	---	---	0.432	---	0.562	0.719
8"	200	8.625	---	0.109	---	0.148	0.250	0.277	---	0.322	0.406	---	0.500	0.593	0.718	0.906
10"	250	10.750	0.134	0.134	0.165	0.165	0.250	0.307	0.365	0.365	0.500	0.500	0.593	0.718	0.843	---
12"	300	12.750	0.156	0.165	0.180	0.180	0.250	0.330	0.375	0.406	0.562	0.500	0.687	0.843	1.000	---

Valve Selection Guide

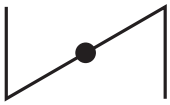
Ball Valve

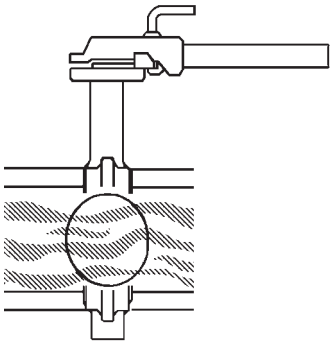




- Can be used for on and off service or throttling
- When positive shut-off is necessary
- Where a low valve profile is necessary
- Only 90° rotation from open to fully closed (quick opening)
- Handle position is a quick indication of whether valve is open or closed.
- Full port ball valves do not resist flow

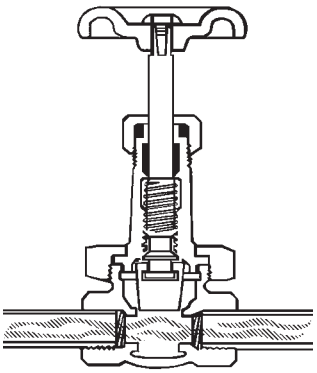
Butterfly Valve





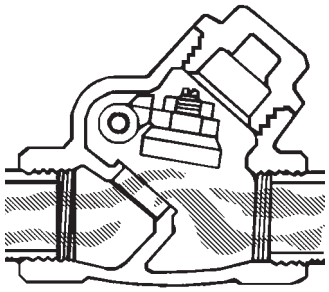
- Where positive shut-off is necessary
- Primarily for fully open or fully closed applications
- May be used for throttling
- Only 90° rotation from open to fully closed
- Lightweight
- Easy to install
- Less costly than an iron body gate valve

Gate Valve



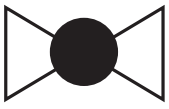
- For fully open or fully closed service - not for throttling
- For minimum line pressure drop
- For minimum fluid entrapment in the line
- For relatively infrequent operation

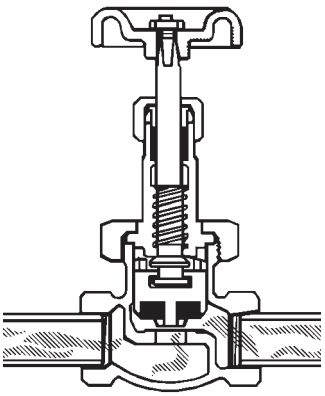
Check Valve



- To control the direction of flow and for quick, automatic reactions to flow change. Swing check valves are used when a minimum resistance to flow is required.
- Swing check valves are recommended for use in conjunction with gate valves. They should not be used in a rapid recycling system such as reciprocating pumps or air compressor service where they could cause chatter and damaging vibration.

Globe Valve





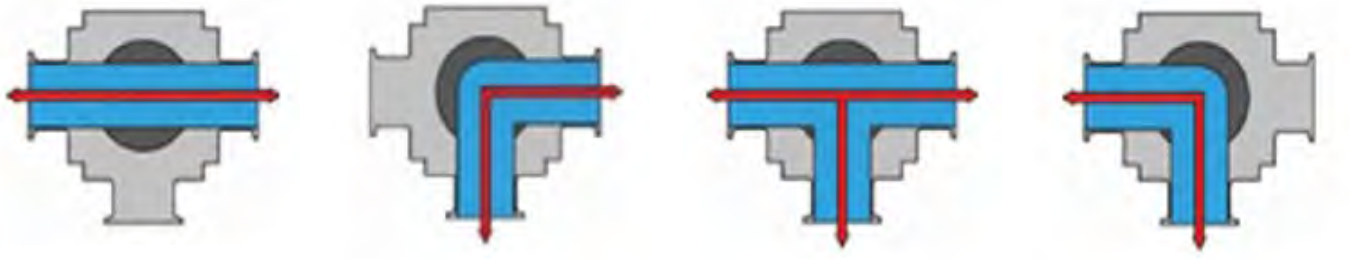
- For regulation (throttling) of flow
- For frequent operation; short stem travel reduces operator's time
- Where some line resistance is acceptable

3-Way Ball Valve Flow Options

'T' Pattern, Side Entry

Top view

position A | position B | position C | position D



Number	Rotation	Flow Plan Options
1	90°	A, B
2	90°	B, C
3	90°	C, D
4	90°	A, D
5	180°	A, B, C
6	180°	B, C, D
7	180°	A, C, D
8	180°	A, B, D

'L' Pattern, Side Entry

Top view

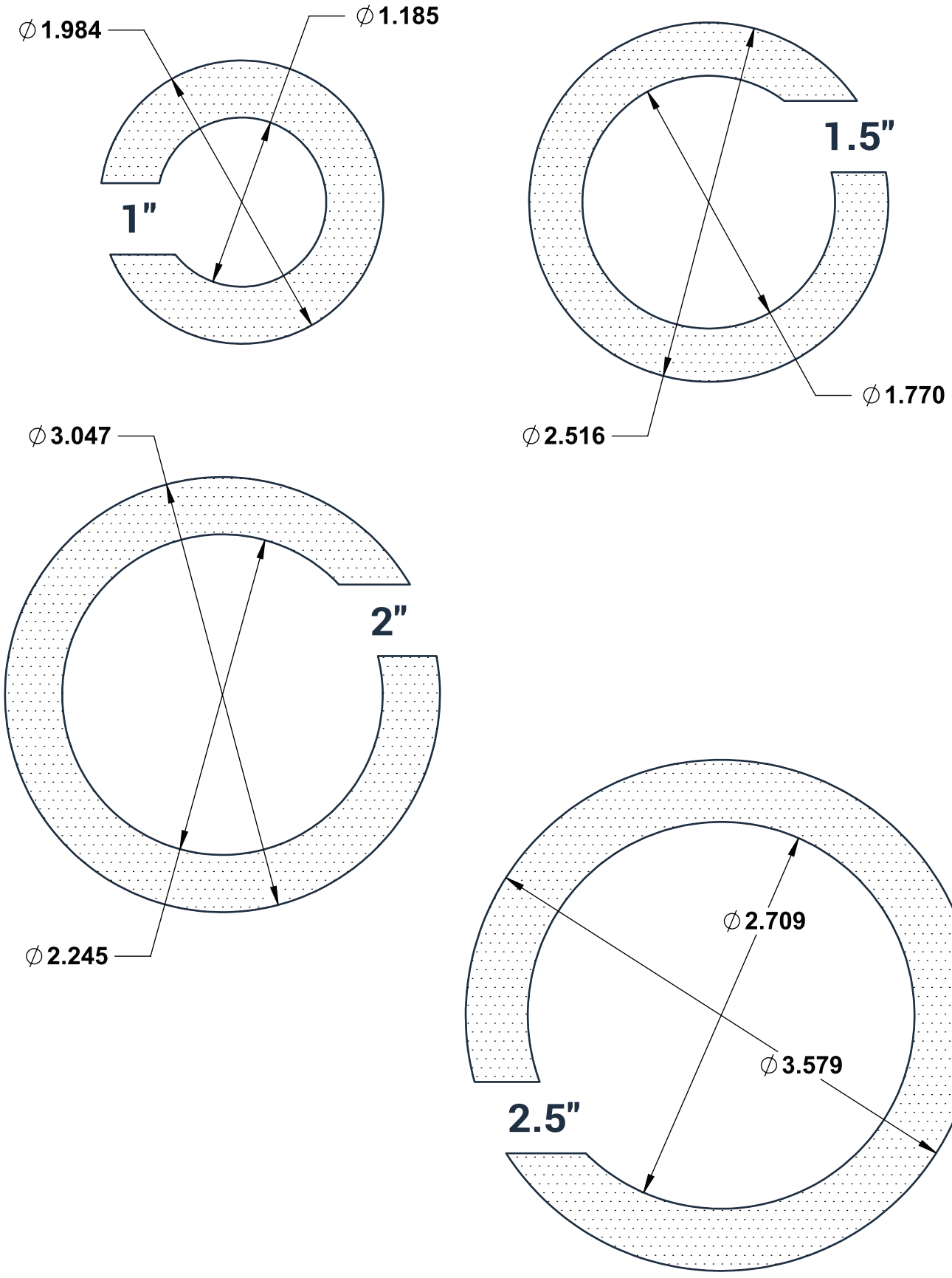
position A | position B | position C

Number	Rotation	Flow Plan Options
1	90°	A, B
2	180°	A, B, C

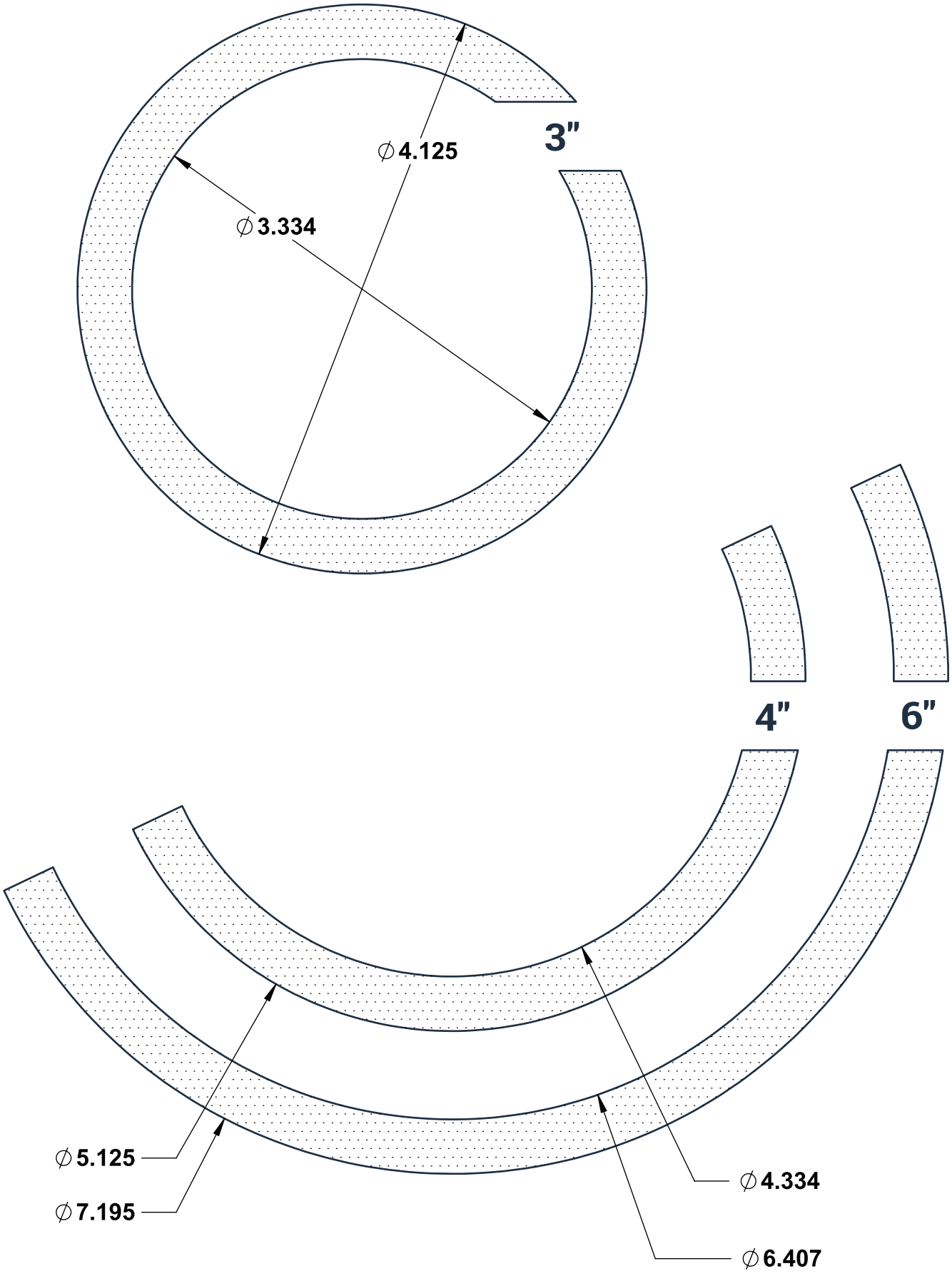
BPE Dimensions and Tolerances (DT) Table Call Out

Part Description	2016 DT ASME-BPE 2016	2019 DT ASME-BPE 2019
T2S - 90° elbow	DT-4.1.1-1	DT-4.1.1-1
T2CM - 90° elbow, clamp one end	DT-4.1.1-2	DT-4.1.1-2
T2CMP - 90° elbow, clamped	DT-4.1.1-3	DT-4.1.1-3
T2KS - 45° elbow	DT-4.1.1-4	DT-4.1.1-4
T2KM - 45° elbow, clamp one end	DT-4.1.1-5	DT-4.1.1-5
T2KMP - 45° elbow, clamped	DT-4.1.1-6	DT-4.1.1-6
T7WWW - equal tee	DT-4.1.2-1	DT-4.1.2-1
T7WWMS - short outlet tee	DT-4.1.2-2	DT-4.1.2-2
T7MP - equal tee, clamped	DT-4.1.2-4	DT-4.1.2-4
T7MPS - short outlet tee, clamped	DT-4.1.2-5	DT-4.1.2-5
T7RWWW - reducing tee	DT-4.1.2-6	DT-4.1.2-6
T7RWWMS - short outlet reducing tee	DT-4.1.2-7	DT-4.1.2-7
T7RMP - reducing tee, clamped	DT-4.1.2-8	DT-4.1.2-8
T7RMPS - short outlet reducing tee, clamped	DT-4.1.2-9	DT-4.1.2-9
T7IWWMS - instrument tee	DT-4.1.2-10	DT-4.1.2-10
T7IMPS - instrument tee, clamped	DT-4.1.2-11	DT-4.1.2-11
T31W - long concentric reducer	DT-4.1.3-1	N/A
T32W - long eccentric reducer	DT-4.1.3-1	N/A
2211C - short concentric reducer	DT-4.1.3-1	DT-4.1.3-1
2211E - short eccentric reducer	DT-4.1.3-1	DT-4.1.3-1
T31M - long concentric reducer, clamp big end	DT-4.1.3-2	N/A
T32M - long eccentric reducer, clamp big end	DT-4.1.3-2	N/A
2226C - short concentric reducer, clamp big end	DT-4.1.3-2	DT-4.1.3-2
2226E - short eccentric reducer, clamp big end	DT-4.1.3-2	DT-4.1.3-2
T3114MP - long concentric reducer, clamped	DT-4.1.3-3	N/A
T3214MP - long eccentric reducer, clamped	DT-4.1.3-3	N/A
2221C - short concentric reducer, clamped	DT-4.1.3-3	DT-4.1.3-3
2221E - short eccentric reducer, clamped	DT-4.1.3-3	DT-4.1.3-3
TL14AM7 - long weld clamp ferrule	DT-4.1.4-1	DT-4.1.4-1
T14WMP - short weld clamp ferrule	DT-4.1.4-1	DT-4.1.4-1
T16W - weld cap	DT-4.1.5-1	DT-4.1.5-1
T16AMP - end cap, clamped	DT-4.1.5-2	DT-4.1.5-2

Pipe Gasket Sizing Guide



Pipe Gasket Sizing Guide



Particulate Reference Chart

316 Square Mesh Wire Cloth Gasket Information

Mesh	Micron Equivalent	Opening Width	Wire Diameter	Openings per Square Inch
4	5400	.215	.035	16
6	3221	.132	.035	36
8	2441	.097	.028	64
9	2089	.083	.025	81
10	1887	.075[1]	.023	100
12	1510	.050	.023	144
14	1283	.051[2]	.020	196
16	1082	.0455	.016	256
20	855	.034	.016	400
30	427	.017	.016	900
35	422	.0168	.0118	1275
40	377	.015	.010	1600
50	276	.011	.009	2500
60	226	.009[3]	.0075	3600
80	176	.007[3]	.0055	6400
100	151	.006[3]	.0045	10,000
120	120	.0048[3]	.0035	14,400
150	103	.0041	.0026	22,500
200	73	.0029	.0021	40,000

[1] Standard size for clamp style gaskets
[2] Standard size for bevel seat size gaskets
[3] Available in only 1", 1-1/2" and 2" sizes
NOTE: Special order parts, minimum order quantities required

Perforated 316 Disc Information

Hole Diameter	Micron Equivalent	Open Area
.020"	503	30%
.033" [1]	803	28%
.063"	1573	23%
.100"	2517	33%
.125"	3146	40%
.250"	6350	58%

[1] Standard size for clamp style
NOTE: 1 micron = .00003973 inches
Special order - minimums apply

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