

New Addition!

Section 12 ** Internet only*

Sanitary



Werts Welding & Tank Service offers the Dixon sanitary catalog on our web site only. Most items will be special order so make allowance for shipping times. When you contact your Werts Welding & Tank Service inside sales person please refer to this catalog for reference on your sanitary parts needs.

Thank you for allowing us to serve you.



The Right Connection™



**Dixon Sanitary
2010-11 Catalog
featuring Bradford™ Products**

Distributed By:

Werts Welding

Tube Hangers



K p.94

Gauges



L p.101

Sight Glasses



M p.104

Spray Balls



N p.105

Custom Fabrications



O p.107

Filters & Strainers



P p.109

Sample Valves



Q p.116

Check Valves



R p.118

Butterfly Valves



S p.128

Ball Valves



T p.143

A	New Products
B	Clamp Fittings
C	European Fittings
D	Pipe Fittings
E	Bevel Seat
F	John Perry
G	I-Line & Q-Line
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I	Unpolished Fittings
J	Tubing
K	Tube Hangers
L	Gauges
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N	Spray Balls
O	Custom Fabrication
P	Filters & Strainers
Q	Sample Valves
R	Check Valves
S	Butterfly Valves
T	Ball Valves

Dixon Sanitary Quality: maintaining the standards



3A Certs

3-A Sanitary Standards, Inc. (3-A SSI) is a non-profit association representing equipment manufacturers, processors, regulatory sanitarians and other public health professionals. Through many decades of cooperation, these groups have established a comprehensive inventory of 3-A Sanitary Standards and 3-A Accepted Practices now known around the world for dairy and food processing equipment and systems.

Dixon Sanitary has earned its  symbols through the  Third Party Verification (TPV) program, requiring a professional assessment rather than voluntary compliance, making certain each product conforms in all respects to the published standards. The  Standards are accepted by USDA and FDA.

Dixon Sanitary holds the following  certification:

- Bradford™ Sanitary Fittings meet  Sanitary Standards for Sanitary Fittings, Number 63-03 (Authorization number 621).
- Bradford™ Check Valves meet  Sanitary Standards for Vacuum Breakers and Check Valves, Number 58-00 (Authorization number 1447).
- Bradford™ Sanitary Ball Valves meet  Sanitary Standards for Ball-Type Valves, Number 68-00 (Authorization number 1022).
- Bradford™ Filter/Strainers meet  Sanitary Standards for Filters Using Single Service Media, Number 10-04 (Authorization number 1446).

We carry  material from other suppliers who have also earned their  authorizations through the TPV Program:

- Associated Tube (Authorization 1206) and Plymouth Tube (Authorization 775) Polished Metal Tubing meet  Sanitary Standards for Polished Metal Tubing, Number 33-01.
- CSE (Authorization 850) Gauges meet  Sanitary Standards for Sensors and Sensor Fittings and Connections, Number 74-03.

Visit the Dixon Sanitary website, www.bradfordfittings.com, to download certificates in PDF format or call Dixon Sanitary at 800.789.1718.



List Price

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Download a free QR-Code 2D barcode reader.

<http://www.mobile-barcodes.com/qr-code-software/>

New Products for 2010

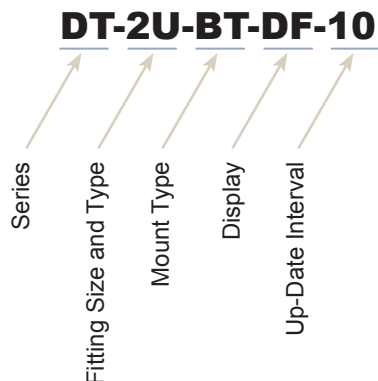
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Sanitary Digital Thermometers

**2010
NEW**

Model Number Breakdown



Product Specifications

Accuracy: $\pm 1^\circ$
 Wetted Surfaces: 316L stainless steel
 Surface Finish: R_a max. is 8 microinches
 Case Material: 304 stainless steel
 Dial Size: $3\frac{1}{2}$ " diameter
 Lens Material: $\frac{1}{4}$ " polycarbonate
 Temperature Limits: -58°F to 302°F
 Ambient Operating Limits: -4°F to 140°F
 LCD display: 0.6"
 Resolution: 0.1° (-58° thru 199.9°)
 Battery size / life: standard AAA/3 years
 Shipping weight: approx. 3 lbs.

Ordering Information

Series

DT.....Sanitary digital thermometer

Fitting Type *

sizes available: .50, .75, 1.5, 2, 2.5, 3 and 4

I.....male I-Line

T.....#13H captive nut and #14 Bevel Seat

U.....Clamp

* specify size then type, i.e. 1.5U.

Mount type

BT.....bottom

RT.....right side

LF.....left side

TP.....top

BK.....back

BTR.....remote fitting

Display

DF.....F (Fahrenheit) *standard*

DC.....C (Celsius)

Up-Date Interval

1.....one second (1 year battery life)

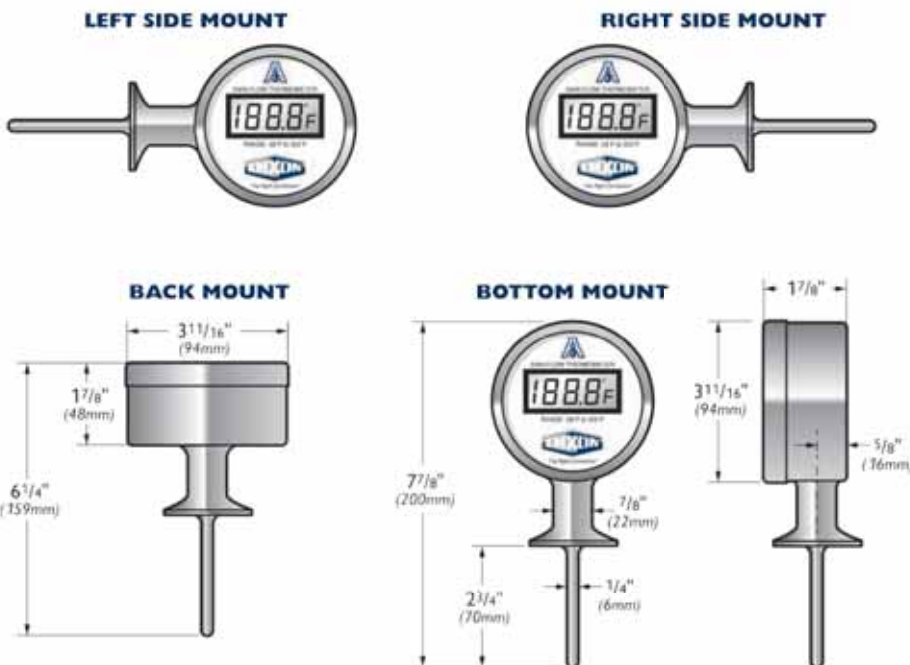
10.....ten second (3 year battery life)



Dimensions

Ordering code shown with clamp configuration "U". See ordering info for other types available.

Size	Probe Length	Code
$\frac{1}{2}$ "	1- $\frac{1}{4}$ "	.50U
$\frac{3}{4}$ "	2- $\frac{3}{8}$ "	.75U
1"	2- $\frac{5}{8}$ "	1U
$1\frac{1}{2}$ "	2- $\frac{3}{4}$ "	1.5U
2"	3- $\frac{1}{2}$ "	2U
$2\frac{1}{2}$ "	3- $\frac{1}{2}$ "	2.5U
3"	3- $\frac{3}{4}$ "	3U
4"	4- $\frac{1}{2}$ "	4U



2010
NEW**Torque-Rite® Nuts****Nuts - 13TR**

- an audible "click" indicating correct inch/pounds force
- maintains constant 30 or 50 inch/pounds force
- manual override feature
- retrofits all sanitary clamps, ¾" through 12"
- works in rupture disk applications
- no torque wrench or special training required

Description	Part Number
Torque-Rite® 30 in. lb nut	13TR-30
Torque-Rite® 50 in. lb nut	13TR-50

2010
NEW**Metal Detectable Clamp Gaskets**

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.

Buna-N - 40MP-UZ

- minimum temp **-20°F**
- maximum temp **212°F**
- good general use where temperature extremes do not exist

Size	Part Number
1"	40MP-UZ100
1½"	40MP-UZ150
2"	40MP-UZ200
2½"	40MP-UZ250
3"	40MP-UZ300
4"	40MP-UZ400

EPDM - 40MP-EZ

- minimum temp **-70°F**
- maximum temp **310°F**
- excellent base, steam and water resistant

Size	Part Number
1"	40MP-EZ100
1½"	40MP-EZ150
2"	40MP-EZ200
2½"	40MP-EZ250
3"	40MP-EZ300
4"	40MP-EZ400

Viton® - 40MP-SFYZ

- minimum temp **-20°F**
- maximum temp **410°F**
- provides high acid, steam and heat resistant

Size	Part Number
1"	40MP-SFYZ100
1½"	40MP-SFYZ150
2"	40MP-SFYZ200
2½"	40MP-SFYZ250
3"	40MP-SFYZ300
4"	40MP-SFYZ400

2010
NEW**Blue Protection Covers****Clamp End - BCC**

Size	Part Number
1/2"	BCC-050
3/4"	BCC-075
1"	BCC-100
1 1/2"	BCC-150
2"	BCC-200
2 1/2"	BCC-250
3"	BCC-300
4"	BCC-400
6"	BCC-600
8"	BCC-800

- Use these covers to protect all clamp ends on fittings, valves, filters and pumps.
- Vinyl Plastic

**Weld End - BCW**

Size	Part Number
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

- Use these covers to protect all weld ends on fittings and valves.
- Vinyl Plastic

**Private Label Valve Covers**2010
NEW**Ordering Information****BHC-SR-W**

Bradford
Handle Cover

Size

Cover Color

Screenprint Color

Size

Ssmall
Mmedium
Llarge

Cover Color

Rred
Yyellow
Bblue
Ggreen
BKblack

Screenprint Color

Wwhite
BKblack
Nnone



- 100 piece minimum order
- customer to supply artwork for screenprinting

Size	Length	Width	Thickness
small	3.503	0.866	0.067
medium	4.409	1.102	0.071
large	9.251	1.535	0.084

**2010
NEW**

Engineered Products Catalog

Catalog showcasing the Bradford™ BC-Series sanitary centrifugal pump; including curves and application engineering technical information.

In addition to the sanitary and industrial ball valves and sanitary butterfly valves the selection has grown with the addition of industrial butterfly wafer and lug style valves.

The large variety of actuators, feedback, controls and accessories that are now offered will ensure you can meet all of your customer's needs.

Pump



Valves



Actuation



Filter/Strainer



go to bradfordfittings.com to download
the Engineered Products Catalog
phone: 800.789.1718
fax: 800.789.4046



Literature Download

Bradford™ High Purity BioPharm Fittings

**2010
NEW**

- All dimensions and markings are to the ASME BPE 2009 specifications
- All product is stocked in SF1 and SF4 finishes
- Sulfur content is controlled per the ASME BPE 2009 specifications
- The packaging is to the specification and proper certification is included with every part



Literature Download



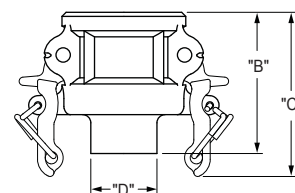
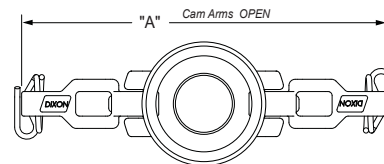
Cam & Groove x Butt Weld to Tube End Couplings

**2010
NEW**

Boss-Lock Couplers



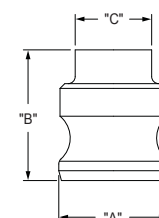
Size	A	B	C	D	316 Stainless Steel Part Number
1"	5-9/16	2-5/32	2-1/2	1	RC100BT
1½"	7-25/32	2-11/16	3-1/2	1-1/2	RC150BT
2"	8-5/32	2-13/16	3-11/16	2	RC200BT
3"	9-29/32	2-31/32	3-13/16	3	RC300BT



Adapters



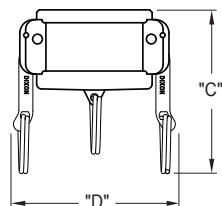
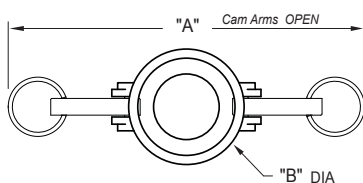
Size	A	B	C	316 Stainless Steel Part Number
1"	1-7/16	1-23/32	1	RE100BT
1½"	2-1/8	2-1/4	1-1/2	RE150BT
2"	2-15/32	2-9/32	2	RE200BT
3"	3-19/32	2-5/8	3	RE300BT



**2010
NEW**

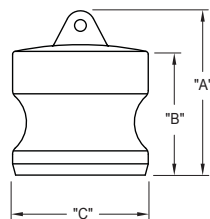
Cam & Groove Caps and Plugs

Dust Caps - DC



Size	A	B	C	D	316 Stainless Steel Part Number
3/4"	6-1/8	1-21/32	2-13/16	2-5/16	G75-DC-SS
1"	6-11/16	1-13/16	3-3/32	2-9/16	G100-DC-SS
1 1/4"	8-3/4	2-9/32	4-1/16	3-1/2	G125-DC-SS
1 1/2"	9-1/8	2-17/32	4-3/32	3-5/8	G150-DC-SS
2"	9-1/2	3	4-1/16	4	G200-DC-SS
2 1/2"	10	3-9/16	4-1/4	4-1/2	G250-DC-SS
3"	11-1/2	4-5/32	4-9/16	5-1/4	G300-DC-SS
4"	12-1/2	5-11/32	4-11/16	6-1/2	G400-DC-SS
6"	18	7-5/8	6-5/32	9	G600-DC-SS

Dust Plugs - DP



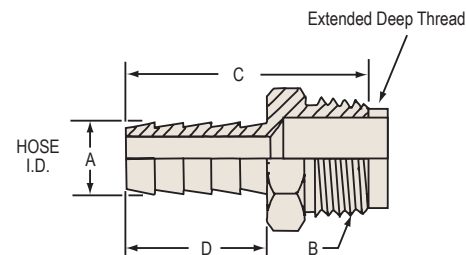
Size	A	B	C	316 Stainless Steel Part Number
3/4"	1-9/16	1-3/16	1-1/4	G75-DP-SS
1"	1-3/4	1-1/4	1-7/16	G100-DP-SS
1 1/4"	2-1/8	1-5/8	1-25/32	G125-DP-SS
1 1/2"	2	1-7/16	2-3/32	G150-DP-SS
2"	2-11/32	1-25/32	2-15/32	G200-DP-SS
2 1/2"	2-1/2	1-29/32	3	G250-DP-SS
3"	2-19/32	1-7/8	3-19/32	G300-DP-SS
4"	2-11/16	2-1/16	4-11/16	G400-DP-SS
6"	2-29/32	2-7/32	6-7/8	G600-DP-SS

2010
NEW

Hose Barb Fittings Garden Hose Thread

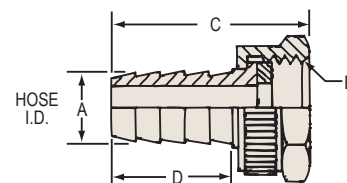
Male Fittings - 590

Size	A	B	C	D	Hex Size	<i>Stainless Steel</i> Part Number
1/2"	1/2	3/4 - 11½	1.94	1.19	1-1/16	5900812SS
5/8"	5/8	3/4 - 11½	1.94	1.19	1-1/16	5901012SS
3/4"	3/4	3/4 - 11½	1.94	1.19	1-1/16	5901212SS



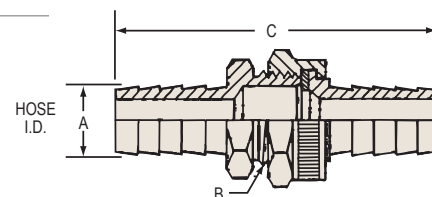
Female Swivel Fittings - 591

Size	A	B	C	D	Hex Size	<i>Stainless Steel</i> Part Number
1/2"	1/2	3/4 - 11½	1.82	1.19	1-3/16	5910812SS
5/8"	5/8	3/4 - 11½	1.82	1.19	1-3/16	5911012SS
3/4"	3/4	3/4 - 11½	1.82	1.19	1-3/16	5911212SS



Male and Female Sets - 592

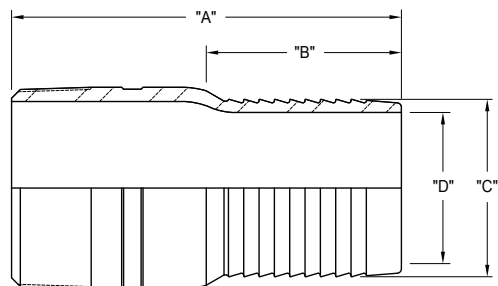
Size	A	B	C	<i>Stainless Steel</i> Part Number
1/2"	1/2	3/4 - 11½	3.32	5920812SS
5/8"	5/8	3/4 - 11½	3.32	5921012SS
3/4"	3/4	3/4 - 11½	3.32	5921212SS



**2010
NEW**

King Combination Nipples

- Combination nipples are recommended for low-pressure discharge and suction service for compatible liquids. **They are not for compressible products such as air or nitrogen on sizes 1¼" and above.** **SAFETY ALERT**
- **King Combination Nipples are not recommended for steam.**
- *The working pressure may vary with the construction of the hose, the type of clamping system used and the application. Consult the factory for recommendations.* **SAFETY ALERT**
- In accordance with the R.M.A. bulletin for oil suction and discharge hose, a coupled length of hose in any size, should be tested to 1½ 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 Rubber Manufacturers Association (R.M.A.) handbook.



Size	A	B	C	D	316 Stainless Steel Part Number
½"	3-5/16	1-11/16	17/32	7/32	RST1 *
¾"	3-1/4	1-19/32	25/32	9/16	RST5 *
1"	3-9/16	1-5/8	1-1/32	25/32	RST10
1¼"	3-15/16	1-3/4	1-9/32	1-1/16	RST15
1½"	4-5/32	2-7/32	1-17/32	1-5/16	RST20
2"	4-11/16	2-9/32	2-1/32	1-25/32	RST25
2½"	5-9/16	2-25/32	2-17/32	2-3/16	RST30
3"	6	3-3/16	3-1/32	2-11/16	RST35
4"	7-5/16	4-1/32	4-1/32	3-21/32	RST40
5"	9	5-5/32	5-1/32	4-11/16	RST50
6"	11	6-1/4	6-3/64	5-5/8	RST60
8"	12-1/8	7-5/16	8-3/64	7-9/16	RST80

* made from casting

2010
NEW

Washdown Accessories

Spray Nozzles - BWSG

For low pressure cleaning and sanitation applications, such as food and dairy processing, tank and drum cleaning, pharmaceutical and chemical manufacturing and meat and poultry packing.

- efficient design for operator comfort
- variable spray pattern from solid stream to 50° hollow cone
- hose connects at base of gun for easy maneuvering
- ½" female NPT inlet
- rubber coated handle protects hands from water temperatures to **150°F**
- **12.5 GPM** flow capacity at **150 PSI**
- *Do not use with steam lines.*

SAFETY
ALERT

Cover color	Brass Part Number
black	BWSG
white	BWSG-W



Swivel Connectors - BNS

- brass swivel body
- brass connecting nut
- stainless steel hose shank
- EPDM gasket

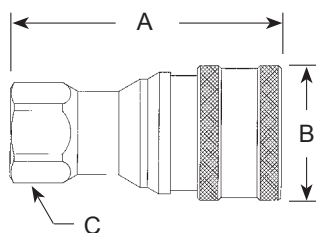
NPT Size	Hose Size	Part Number
½"	½"	BNS44
¾"	¾"	BNS64



Hot Water Washdown Hose - SWDSHOSE

- smooth extruded Chlorobutyl tube
- white, wrapped Neoprene cover (.075" thick), braided textile reinforcement
- furnished with internal stainless steel spring guards at both ends
- ¾" male on one end and ½" male on the other
- working pressure: **250 PSI**
- temperature to: **200°F**

Size	Length	Part Number
5/8"	25'	SWDSHOSE25
5/8"	50'	SWDSHOSE50

2010
NEW**ISO-B Series****Couplers**

Size	A	B	C	303 Stainless Steel Part Number	316 Stainless Steel Part Number
1/8"	48.3 mm	23.6 mm	9/16"	1HF1-S	---
1/4"	57.4 mm	28.5 mm	3/4"	2HF2-S	2HF2-SS
3/8"	63.8 mm	36.1 mm	7/8"	3HF3-S	3HF3-SS
1/2"	72.6 mm	47.2 mm	1-1/16"	4HF4-S	4HF4-SS
3/4"	90.2 mm	56.4 mm	1-5/16"	6HF6-S	6HF6-SS
1"	104.9 mm	63.3 mm	1-5/8"	8HF8-S	8HF8-SS
1-1/4"	114.3 mm	66.0 mm	2-3/8"	10HF10-S	10HF10-SS
1-1/2"	122.2 mm	76.2 mm	2-5/8"	12HF12-S	12HF12-SS

Nipples

Size	A	B	C	303 Stainless Steel Part Number	316 Stainless Steel Part Number
1/8"	32.5 mm	16.5 mm	9/16"	H1F1-S	---
1/4"	39.4 mm	22.9 mm	3/4"	H2F2-S	H2F2-SS
3/8"	43.2 mm	24.6 mm	7/8"	H3F3-S	H3F3-SS
1/2"	49.3 mm	29.7 mm	1-1/16"	H4F4-S	H4F4-SS
3/4"	61.2 mm	36.6 mm	1-5/16"	H6F6-S	H6F6-SS
1"	72.9 mm	45.5 mm	1-5/8"	H8F8-S	H8F8-SS
1-1/4"	108.0 mm	66.0 mm	2-3/8"	H10F10-S	H10F10-SS
1-1/2"	120.9 mm	73.2 mm	2-5/8"	H12F12-S	H12F12-SS

2010
NEW**ISO-B Food Grade Series****Couplers**

Size	303 Stainless Steel with nylon boot Part Number	303 Stainless Steel with silicone boot Part Number	316 Stainless Steel with nylon boot Part Number	316 Stainless Steel with silicone boot Part Number
1/2"	D-4HF4-S-FNS	D-4HF4-S-FSB	D-4HF4-SS-FNS	D-4HF4-SS-FSB

Nipples

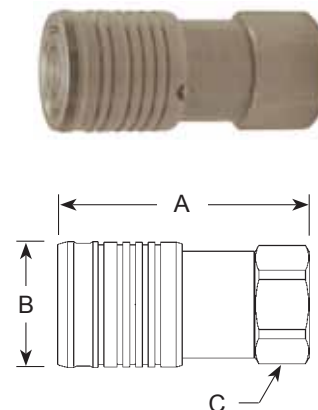
Size	303 Stainless Steel Part Number	316 Stainless Steel Part Number
1/2"	D-H4F4-S	D-H4F4-SS

ISO FlushFace Series

 2010
NEW

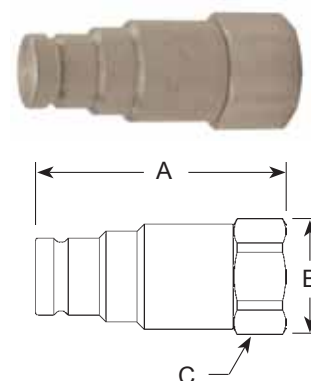
Couplers

Size	NPTF	A	B	C	316 Stainless Steel Part Number
3/8"	3/8"	63.3 mm	31.2 mm	1-1/16"	3HTF3-SS
3/8"	1/2"	66.0 mm	31.2 mm	1-1/16"	3HTF4-SS
1/2"	1/2"	82.0 mm	39.1 mm	1-5/16"	4HTF4-SS
1/2"	3/4"	86.1 mm	39.1 mm	1-7/16"	4HTF6-SS
5/8"	3/4"	89.9 mm	42.2 mm	1-1/2"	5HTF6-SS
3/4"	3/4"	90.9 mm	47.0 mm	1-1/2"	6HTF6-SS
3/4"	1"	90.9 mm	47.0 mm	1-1/2"	6HTF8-SS
1"	1"	111.8 mm	58.2 mm	1-5/8"	8HTF8-SS
1"	1-1/4"	111.8 mm	58.2 mm	1-5/8"	8HTF10-SS



Nipples

Size	NPTF	A	B	C	316 Stainless Steel Part Number
3/8"	3/8"	62.2 mm	31.2 mm	1-1/16"	HT3F3-SS
3/8"	1/2"	65.0 mm	31.2 mm	1-1/16"	HT3F4-SS
1/2"	1/2"	79.0 mm	38.6 mm	1-5/16"	HT4F4-SS
1/2"	3/4"	82.8 mm	38.6 mm	1-7/16"	HT4F6-SS
5/8"	3/4"	86.1 mm	42.2 mm	1-1/2"	HT5F6-SS
3/4"	3/4"	87.6 mm	47.0 mm	1-1/2"	HT6F6-SS
3/4"	1"	87.6 mm	47.0 mm	1-1/2"	HT6F8-SS
1"	1"	101.6 mm	58.2 mm	1-5/8"	HT8F8-SS
1"	1-1/4"	101.6 mm	60.0 mm	1-5/8"	HT8F10-SS

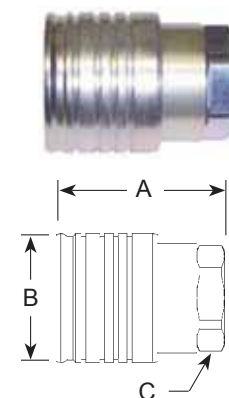


Snap-Tite '71' Interchange ST Series

 2010
NEW

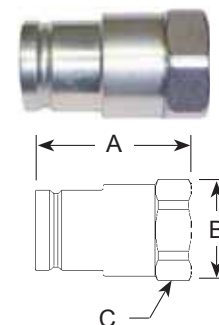
Couplers

Size	NPTF	A	B	C	316 Stainless Steel Part Number
1/4"	1/4"	49.8 mm	31.2 mm	15/16"	2STF2-SS
3/8"	3/8"	59.9 mm	40.6 mm	1-3/16"	3STF3-SS
3/8"	1/2"	59.9 mm	40.6 mm	1-3/16"	3STF4-SS
1/2"	1/2"	70.4 mm	50.3 mm	1-1/2"	4STF4-SS
3/4"	3/4"	77.0 mm	59.7 mm	1-3/4"	6STF6-SS
1"	1"	84.6 mm	69.3 mm	2"	8STF8-SS
1"	1-1/4"	93.2 mm	69.3 mm	2"	8STF10-SS



Nipples

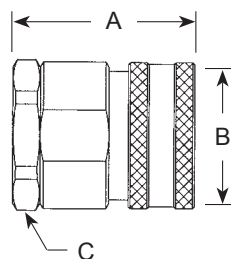
Size	NPTF	A	B	C	316 Stainless Steel Part Number
1/4"	1/4"	46.7 mm	22.9 mm	13/16"	ST2F2-SS
3/8"	3/8"	58.9 mm	37.6 mm	1"	ST3F3-SS
3/8"	1/2"	58.9 mm	37.6 mm	1"	ST3F4-SS
1/2"	1/2"	60.2 mm	41.9 mm	1-1/2"	ST4F4-SS
3/4"	3/4"	75.2 mm	48.8 mm	1-3/4"	ST6F6-SS
1"	1"	81.8 mm	53.3 mm	1-7/8"	ST8F8-SS
1"	1-1/4"	88.4 mm	55.9 mm	2"	ST8F10-SS



**2010
NEW**

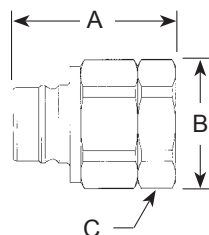
Snap-Tite 'H' interchange V Series

Couplers



Size	A	B	C	316 Stainless Steel Part Number
1/4"	42.7 mm	25.2 mm	7/8"	2VF2-SS
3/8"	49.3 mm	30.0 mm	1"	3VF3-SS
1/2"	54.1 mm	34.5 mm	1-3/16"	4VF4-SS
3/4"	62.7 mm	42.4 mm	1-1/2"	6VF6-SS
1"	68.6 mm	52.3 mm	1-7/8"	8VF8-SS
1-1/4"	89.9 mm	55.6 mm	2"	10VF10-SS
1-1/2"	83.1 mm	69.6 mm	2-1/2"	12VF12-SS
2"	99.6 mm	97.3 mm	3-1/2"	16VF16-SS

Nipples



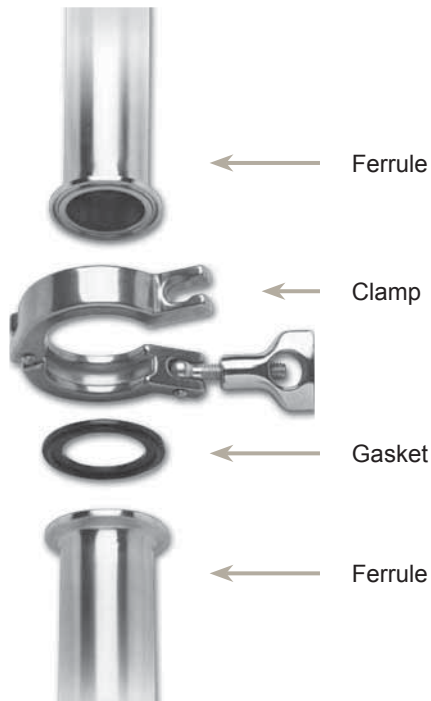
Size	A	B	C	316 Stainless Steel Part Number
1/4"	41.2 mm	24.6 mm	7/8"	V2F2-SS
3/8"	47.5 mm	28.0 mm	7/8"	V3F3-SS
1/2"	50.6 mm	33.3 mm	1-3/16"	V4F4-SS
3/4"	58.7 mm	41.9 mm	1-1/2"	V6F6-SS
1"	66.0 mm	52.3 mm	1-7/8"	V8F8-SS
1-1/4"	86.6 mm	55.6 mm	2"	V10F10-SS
1-1/2"	78.7 mm	69.6 mm	2-1/2"	V12F12-SS
2"	94.5 mm	97.3 mm	3-1/2"	V16F16-SS

For further information on options please go to www.dixonquickcoupling.com 2010 Online Catalog.

Bradford™ Clamp Fittings

A Complete Clamping Connection

Product Specifications



Size range:

- ½" - 12" OD

Materials:

- G = 304 stainless steel
- R = 316L stainless steel
- other alloys are available

Finish:

- No. 7 - polished ID and OD
- other finishes are available

This section contains tube OD materials. Please note: in sizes from ½" through 12", pipe is known by its nominal inside diameter, which differs from its actual inside diameter. To distinguish pipe sizes from actual measured diameters as used for tube, the term *iron pipe size* (IPS) or *nominal pipe size* (NPS) are usually used. For all pipe sizes, the outside diameter (OD) remains constant; the variations in wall thickness affect the inside diameter (ID).



Pipe size and Tube OD size materials are not interchangeable

Index

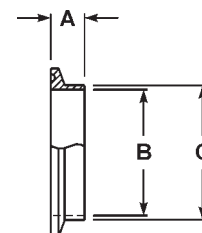
Clamps and Accessories	16-18	Tees	28
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Clamp Ferrules

Short Weld Ferrules - 14WMP



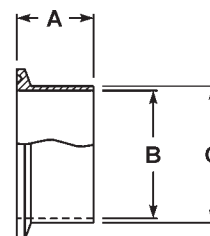
Tube OD	A	B	C	304 Stainless Steel Part Number	316L Stainless Steel Part Number
½"	.500	.370	.500	14WMP-G50	14WMP-R50
¾"	.500	.620	.750	14WMP-G75	14WMP-R75
1"	.500	.870	1.000	14WMP-G100	14WMP-R100
1½"	.500	1.370	1.500	14WMP-G150	14WMP-R150
2"	.500	1.870	2.000	14WMP-G200	14WMP-R200
2½"	.500	2.370	2.500	14WMP-G250	14WMP-R250
3"	.500	2.870	3.000	14WMP-G300	14WMP-R300
4"	.625	3.834	4.000	14WMP-G400	14WMP-R400
5"	.750	4.782	5.000	14WMP-G500	14WMP-R500
6"	.875	5.782	6.000	14WMP-G600	14WMP-R600
8"	.875	7.760	8.000	14WMP-G800	14WMP-R800
10"	.875	9.782	10.000	14WMP-G1000	14WMP-R1000
12"	.875	11.760	12.000	14WMP-G1200	14WMP-R1200



Long Weld Ferrules - L14AM7



Tube OD	A	B	C	304 Stainless Steel Part Number	316L Stainless Steel Part Number
½"	1.125	.370	.500	L14AM7-G50	L14AM7-R50
¾"	1.125	.620	.750	L14AM7-G75	L14AM7-R75
1"	1.125	.870	1.000	L14AM7-G100	L14AM7-R100
1½"	1.125	1.370	1.500	L14AM7-G150	L14AM7-R150
2"	1.125	1.870	2.000	L14AM7-G200	L14AM7-R200
2½"	1.125	2.370	2.500	L14AM7-G250	L14AM7-R250
3"	1.125	2.870	3.000	L14AM7-G300	L14AM7-R300
4"	1.125	3.834	4.000	L14AM7-G400	L14AM7-R400
5"	1.125	4.782	5.000	L14AM7-G500	L14AM7-R500
6"	1.500	5.782	6.000	L14AM7-G600	L14AM7-R600
8"	1.500	7.760	8.000	L14AM7-G800	L14AM7-R800
10"	1.750	9.782	10.000	L14AM7-G1000	L14AM7-R1000
12"	1.750	11.760	12.000	L14AM7-G1200	L14AM7-R1200



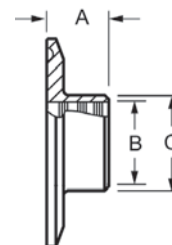
Reducing Roll-on Ferrules - B31RMP



- for expanding

Clamp End	Tube OD	A	B	C	304 Stainless Steel Part Number
1½"	1"	.750	1.007	1.160	B31RMP-G150100
2"	1"	.750	1.007	1.160	B31RMP-G200100
2"	1½"	1.125	1.507	1.676	B31RMP-G200150

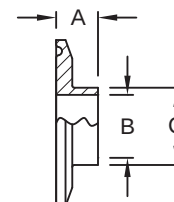
* for use when modifying or repairing existing on-site farm milk handling systems



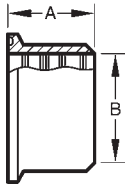
Reducing Ferrules - B31WMP



Tube OD	A	B	C	304 Stainless Steel Part Number	316L Stainless Steel Part Number
2" x 1"	.500	.870	1.000	B31WMP-G200100	B31WMP-R200100
2½" x 1½"	.500	1.370	1.500	B31WMP-G250150	B31WMP-R250150
2½" x 2"	.500	1.870	2.000	B31WMP-G250200	B31WMP-R250200
3" x 2"	.500	1.870	2.000	B31WMP-G300200	B31WMP-R300200
3" x 2½"	.500	2.370	2.500	B31WMP-G300250	B31WMP-R300250
4" x 3"	.625	2.870	3.000	B31WMP-G400300	B31WMP-R400300



Clamp Ferrules



Roll-On Ferrules - 14RMP

- for expanding

Tube OD	A	B	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	.750	1.005	14RMP-G100	14RMP-R100
1½"	1.125	1.505	14RMP-G150	14RMP-R150
2"	1.312	2.005	14RMP-G200	14RMP-R200
2½"	1.375	2.505	14RMP-G250	14RMP-R250
3"	1.437	3.005	14RMP-G300	14RMP-R300
4"	1.500	4.005	14RMP-G400	14RMP-R400
6"	2.000	6.005	14RMP-G600	---

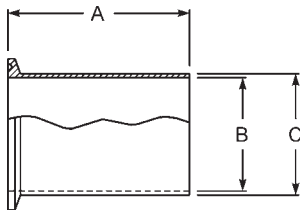
* for use when modifying or repairing existing on-site farm milk handling systems



Automatic Weld Ferrules - TL14AM7

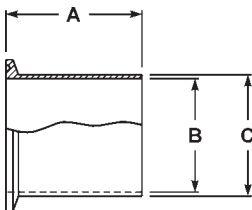
- meets ASME BPE-2009 specifications

Tube OD	A	B	C	316L Stainless Steel Part Number
½"	1.750	.370	.500	TL14AM7-R50
¾"	1.750	.620	.750	TL14AM7-R75
1"	1.750	.870	1.000	TL14AM7-R100
1½"	1.750	1.370	1.500	TL14AM7-R150
2"	2.250	1.870	2.000	TL14AM7-R200
2½"	2.250	2.370	2.500	TL14AM7-R250
3"	2.250	2.870	3.000	TL14AM7-R300
4"	2.250	3.834	4.000	TL14AM7-R400



Tank Ferrules (light duty) - 14WLMP

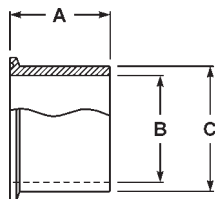
Tube OD	A	B	C	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	3.000	.870	1.000	14WLMP-G100	14WLMP-R100
1½"	3.000	1.370	1.500	14WLMP-G150	14WLMP-R150
2"	3.000	1.870	2.000	14WLMP-G200	14WLMP-R200
2½"	3.000	2.370	2.500	14WLMP-G250	14WLMP-R250
3"	4.000	2.870	3.000	14WLMP-G300	14WLMP-R300
4"	4.000	3.834	4.000	14WLMP-G400	14WLMP-R400
6"	6.000	5.782	6.000	14WLMP-G600	14WLMP-R600
8"	6.000	7.760	8.000	14WLMP-G800	14WLMP-R800
10"	6.000	9.782	10.000	14WLMP-G1000	14WLMP-R1000
12"	6.000	11.760	12.000	14WLMP-G1200	14WLMP-R1200



Tank Ferrules (heavy duty) - 14MPW

- ½" - 4" certified to ASME SA479
- 6" - 8" certified to ASME SA312

Tube OD	A	B	C	316L Stainless Steel Part Number
½"	1.625	.321	.502	14MPW-R50
¾"	1.625	.574	.750	14MPW-R75
1"	1.625	.870	1.160	14MPW-R100
1½"	1.625	1.370	1.676	14MPW-R150
2"	1.750	1.870	2.192	14MPW-R200
2½"	1.750	2.370	2.708	14MPW-R250
3"	1.813	2.870	3.224	14MPW-R300
4"	2.125	3.834	4.256	14MPW-R400
6"	2.500	5.758	6.192	14MPW-R600
8"	2.500	7.758	8.192	14MPW-R800

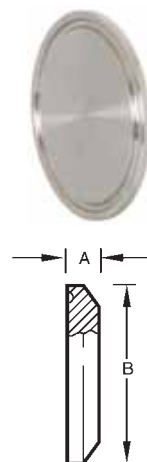


Clamp Caps

Solid End Caps - 16AMP



Tube OD	A	B	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1/2" - 3/4"	.187	.992	16AMP-G50-75	16AMP-R50-75
1" - 1 1/2"	.250	1.984	16AMP-G100-150	16AMP-R100-150
2"	.250	2.516	16AMP-G200	16AMP-R200
2 1/2"	.250	3.047	16AMP-G250	16AMP-R250
3"	.250	3.579	16AMP-G300	16AMP-R300
4"	.312	4.682	16AMP-G400	16AMP-R400
NEW 5"	.312	5.687	16AMP-G500	16AMP-R500 NEW
6"	.437	6.570	16AMP-G600	16AMP-R600
8"	.437	8.570	16AMP-G800	16AMP-R800
10"	.437	10.570	16AMP-G1000	16AMP-R1000
12"	.437	12.570	16AMP-G1200	16AMP-R1200



Thermometer Caps - B23BMP

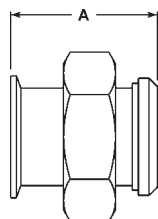
Tube OD	A	B	C*	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1/2"	.500	.993	1/4 NPT	---	B23BMP-R5014
3/4"	.500	.993	1/4 NPT	---	B23BMP-R7514
1"	.625	1.984	1/2 NPT	B23BMP-G100	B23BMP-R100
1 1/2"	.625	1.984	3/4 NPT	B23BMP-G150	B23BMP-R150
2"	.625	2.516	3/4 NPT	B23BMP-G200	B23BMP-R200
2 1/2"	.625	3.047	3/4 NPT	B23BMP-G250	B23BMP-R250
3"	.625	3.579	3/4 NPT	B23BMP-G300	B23BMP-R300
4"	.625	4.682	3/4 NPT	B23BMP-G400	B23BMP-R400



* Other NPT tap sizes available, call Dixon Sanitary

Clamp Adapters

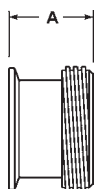
Clamp x Plain Bevel Seat Adapters with Hex Nut - 17MP-14



- hex nut is CF8 (304) stainless

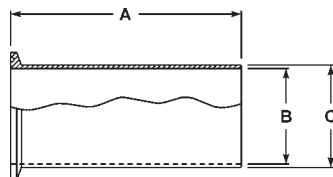
Tube OD	A	304 Stainless Steel Part Number
1"	3.000	17MP-14-G100
1½"	3.000	17MP-14-G150
2"	3.000	17MP-14-G200
2½"	3.500	17MP-14-G250
3"	3.750	17MP-14-G300
4"	4.000	17MP-14-G400

Clamp x Threaded Bevel Seat Adapters - 17MP-15



Tube OD	A	304 Stainless Steel Part Number
1"	1.843	17MP-15-G100
1½"	1.843	17MP-15-G150
2"	1.875	17MP-15-G200
2½"	2.000	17MP-15-G250
3"	2.031	17MP-15-G300
4"	2.156	17MP-15-G400

Tygon® Hose Adapters - 14MPHT

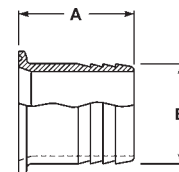


Tube OD	A	B	C	316L Stainless Steel Part Number
½"	4.000	.370	.500	14MPHT-R50
¾"	4.000	.620	.750	14MPHT-R75
1"	4.500	.870	1.000	14MPHT-R100
1½"	4.500	1.370	1.500	14MPHT-R150
2"	4.500	1.870	2.000	14MPHT-R200
2½"	4.500	2.370	2.500	14MPHT-R250
3"	4.500	2.870	3.000	14MPHT-R300
4"	4.625	3.834	4.000	14MPHT-R400
6"	6.000	5.782	6.000	14MPHT-R600

Clamp Adapters

Rubber Hose Adapters - 14MPHR

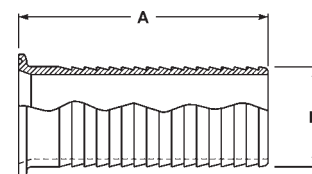
Tube OD	Hose Size	A	B	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1/2"	1/8"	1.250	.125	---	14MPHR-R50125
1/2"	1/4"	1.500	.250	---	14MPHR-R5025
1/2"	3/8"	1.500	.375	---	14MPHR-R50375
1/2"	1/2"	1.500	.500	---	14MPHR-R50
1/2"	3/4"	1.500	.750	---	14MPHR-R5075
3/4"	1/8"	1.500	.125	---	14MPHR-R75125
3/4"	1/4"	1.500	.250	---	14MPHR-R7525
3/4"	3/8"	1.500	.375	---	14MPHR-R75375
3/4"	1/2"	1.500	.500	---	14MPHR-R7550
3/4"	3/4"	1.500	.750	---	14MPHR-R75
1"	3/8"	1.500	.375	14MPHR-G100375	14MPHR-R100375
1"	1/2"	1.500	.500	14MPHR-G10050	14MPHR-R10050
1"	3/4"	1.688	.750	14MPHR-G10075	14MPHR-R10075
1"	1"	1.688	1.000	14MPHR-G100	14MPHR-R100
1 1/2"	1/8"	1.500	.125	14MPHR-G150125	14MPHR-R150125
1 1/2"	1/4"	1.500	.250	---	14MPHR-R15025
1 1/2"	3/8"	1.500	.375	14MPHR-G150375	14MPHR-R150375
1 1/2"	1/2"	1.500	.500	14MPHR-G15050	14MPHR-R15050
1 1/2"	5/8"	1.500	.625	14MPHR-G150625	14MPHR-R150625
1 1/2"	3/4"	1.500	.750	14MPHR-G15075	14MPHR-R15075
1 1/2"	1"	1.687	1.000	14MPHR-G150100	14MPHR-R150100
1 1/2"	1-1/4"	1.689	1.250	14MPHR-G150-125	14MPHR-R150-125
1 1/2"	1-1/2"	1.687	1.500	14MPHR-G150	14MPHR-R150
2"	1-1/2"	2.312	1.500	14MPHR-G200150	14MPHR-R200150
2"	2"	2.312	2.000	14MPHR-G200	14MPHR-R200
2 1/2"	2-1/2"	2.344	2.500	14MPHR-G250	14MPHR-R250
3"	3"	3.094	3.000	14MPHR-G300	14MPHR-R300
4"	4"	3.406	4.000	14MPHR-G400	14MPHR-R400
6"	6"	3.406	6.000	14MPHR-G600	14MPHR-R600
8"	8"	3.406	8.000	14MPHR-G800	14MPHR-R800



Brewery Hose Barb Adapters - 14MPHRL

- suitable for use with band clamps

Size	A	B	304 Stainless Steel Part Number
1"	3.500	1.045	14MPHRL100
1 1/2"	5.000	1.545	14MPHRL150
2"	5.000	2.045	14MPHRL200
2 1/2"	5.500	2.545	14MPHRL250
3"	5.500	3.045	14MPHRL300
4"	5.500	4.045	14MPHRL400

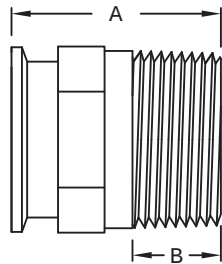


CAUTION

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 Adapters

Male NPT Adapters - 21MP

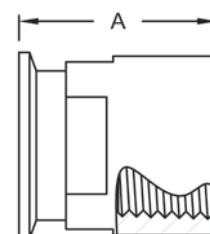


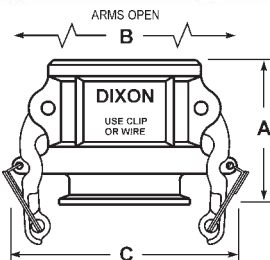
Tube OD	NPT Size	A	B	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1/2"	1/8"	2.000	.392	---	21MP-R50125
1/2"	1/4"	2.000	.595	---	21MP-R5025
1/2"	3/8"	2.000	.600	---	21MP-R50375
1/2"	1/2"	1.625	.782	---	21MP-R50
1/2"	3/4"	2.000	.794	---	21MP-R5075
3/4"	1/4"	2.000	.595	---	21MP-R7525
3/4"	3/8"	2.000	.600	---	21MP-R75375
3/4"	1/2"	2.000	.782	---	21MP-R7550
3/4"	3/4"	1.787	.794	---	21MP-R75
3/4"	1"	2.250	.985	---	21MP-R75100
1"	1/8"	2.187	.392	21MP-G100-125	21MP-R100-125
1"	1/4"	2.161	.595	21MP-G10025	21MP-R10025
1"	3/8"	2.187	.600	21MP-G100375	21MP-R100375
1"	1/2"	2.187	.782	21MP-G10050	21MP-R10050
1"	3/4"	2.187	.794	21MP-G10075	21MP-R10075
1"	1"	2.250	.985	21MP-G100	21MP-R100
1"	1-1/4"	2.438	1.009	21MP-G100125	21MP-R100125
1"	1-1/2"	2.438	1.025	21MP-G100150	21MP-R100150
1"	2"	2.625	1.058	21MP-G100200	21MP-R100200
1 1/2"	1/8"	2.187	.392	21MP-G150-125	21MP-R150-125
1 1/2"	1/4"	2.161	.595	21MP-G15025	21MP-R15025
1 1/2"	3/8"	2.187	.600	21MP-G150375	21MP-R150375
1 1/2"	1/2"	2.187	.782	21MP-G15050	21MP-R15050
1 1/2"	3/4"	2.187	.794	21MP-G15075	21MP-R15075
1 1/2"	1"	2.437	.985	21MP-G150100	21MP-R150100
1 1/2"	1-1/4"	2.438	1.009	21MP-G150125	21MP-R150125
1 1/2"	1-1/2"	2.250	1.025	21MP-G150	21MP-R150
1 1/2"	2"	2.625	1.058	21MP-G150200	21MP-R150200
1 1/2"	2-1/2"	3.281	1.571	21MP-G150250	21MP-R150250
2"	1/4"	2.469	1.009	21MP-G200125	21MP-R200125
2"	1/2"	2.188	.782	21MP-G20050	21MP-R20050
2"	3/4"	2.188	.794	21MP-G20075	21MP-R20075
2"	1"	2.469	.985	21MP-G200100	21MP-R200100
2"	1-1/2"	2.625	1.009	21MP-G200150	21MP-R200150
2"	2"	2.638	1.058	21MP-G200	21MP-R200
2"	2-1/2"	3.125	1.571	21MP-G200250	21MP-R200250
2"	3"	3.500	1.634	21MP-G200300	21MP-R200300
2"	4"	3.500	1.734	21MP-G200400	21MP-R200400
2 1/2"	1/2"	2.781	.782	21MP-G25050	21MP-R25050
2 1/2"	1"	2.781	.782	21MP-G250100	21MP-R250100
2 1/2"	1-1/2"	2.781	1.025	21MP-G250150	21MP-R250150
2 1/2"	2"	2.781	1.058	21MP-G250200	21MP-R250200
2 1/2"	2-1/2"	2.875	1.571	21MP-G250	21MP-R250
2 1/2"	3"	3.690	1.634	21MP-G250300	21MP-R250300
3"	1"	3.000	.985	21MP-G300100	21MP-R300100
3"	1-1/2"	3.000	1.009	21MP-G300150	21MP-R300150
3"	2"	3.000	1.058	21MP-G300200	21MP-R300200
3"	2-1/2"	3.000	1.571	21MP-G300250	21MP-R300250
3"	3"	3.070	1.634	21MP-G300	21MP-R300
3"	4"	3.500	1.734	21MP-G300400	21MP-R300400
4"	3"	3.813	1.634	21MP-G400300	21MP-R400300
4"	4"	3.155	1.734	21MP-G400	21MP-R400
6"	6"	4.500	1.946	21MP-G600	21MP-R600

Clamp Adapters

Female NPT Adapters - 22MP

Tube OD	NPT Size	A	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1/2"	1/8"	1.250	---	22MP-R50-125
1/2"	1/4"	1.500	---	22MP-R5025
1/2"	3/8"	1.500	---	22MP-R50375
1/2"	1/2"	1.500	---	22MP-R50
1/2"	3/4"	1.500	---	22MP-R5075
1/2"	1"	1.625	---	22MP-R50100
1/2"	1-1/2"	2.250	---	22MP-R50150
1/2"	2"	2.250	---	22MP-R50200
3/4"	1/8"	1.250	---	22MP-R75125
3/4"	1/4"	1.500	---	22MP-R7525
3/4"	3/8"	1.500	---	22MP-R75375
3/4"	1/2"	1.625	---	22MP-R7550
3/4"	3/4"	1.625	---	22MP-R75
3/4"	1"	1.625	---	22MP-R75100
1"	1/8"	3.281	22MP-G100-125	22MP-R100-125
1"	1/4"	1.625	22MP-G10025	22MP-R10025
1"	3/8"	1.625	22MP-G100375	22MP-R100375
1"	1/2"	1.625	22MP-G10050	22MP-R10050
1"	3/4"	1.625	22MP-G10075	22MP-R10075
1"	1"	1.625	22MP-G100	22MP-R100
1"	1-1/4"	1.625	22MP-G100125	22MP-R100125
1"	1-1/2"	1.625	22MP-G100150	22MP-R100150
1"	2"	2.500	22MP-G100200	22MP-R100200
1 1/2"	1/8"	2.500	22MP-G150-125	22MP-R150-125
1 1/2"	1/4"	1.625	22MP-G15025	22MP-R15025
1 1/2"	3/8"	1.625	22MP-G150375	22MP-R150375
1 1/2"	1/2"	1.625	22MP-G15050	22MP-R15050
1 1/2"	3/4"	1.625	22MP-G15075	22MP-R15075
1 1/2"	1"	2.250	22MP-G150100	22MP-R150100
1 1/2"	1-1/4"	2.250	22MP-G150125	22MP-R150125
1 1/2"	1-1/2"	2.250	22MP-G150	22MP-R150
1 1/2"	2"	2.500	22MP-G150200	22MP-R150200
1 1/2"	2-1/2"	2.500	22MP-G150250	22MP-R150250
1 1/2"	3"	2.500	22MP-G150300	22MP-R150300
2"	1/4"	1.687	22MP-G20025	22MP-R20025
2"	1/2"	1.687	22MP-G20050	22MP-R20050
2"	3/4"	1.687	22MP-G20075	22MP-R20075
2"	1"	1.687	22MP-G200100	22MP-R200100
2"	1-1/4"	1.656	22MP-G200125	22MP-R200125
2"	1-1/2"	2.344	22MP-G200150	22MP-R200150
2"	2"	2.406	22MP-G200	22MP-R200
2"	2-1/2"	2.406	22MP-G200250	22MP-R200250
2"	3"	2.406	22MP-G200300	22MP-R200300
2"	4"	2.406	22MP-G200400	---
2 1/2"	3/4"	1.313	22MP-G25075	22MP-R25075
2 1/2"	1"	1.313	22MP-G250100	22MP-R250100
2 1/2"	1-1/2"	1.656	22MP-G250150	22MP-R250150
2 1/2"	2"	2.093	22MP-G250200	22MP-R250200
2 1/2"	2-1/2"	2.187	22MP-G250	22MP-R250
2 1/2"	3"	2.187	22MP-G250300	22MP-R250300
3"	1"	2.187	22MP-G300100	22MP-R300100
3"	1-1/2"	2.187	22MP-G300150	22MP-R300150
3"	2"	2.187	22MP-G300200	22MP-R300200
3"	2-1/2"	2.187	22MP-G300250	22MP-R300250
3"	3"	2.187	22MP-G300	22MP-R300
4"	1-1/2"	2.187	22MP-G400150	22MP-R400150
4"	2"	2.187	22MP-G400200	22MP-R400200
4"	2-1/2"	2.187	22MP-G400250	22MP-R400250
4"	3"	2.187	22MP-G400300	22MP-R400300
4"	4"	3.652	22MP-G400	22MP-R400
4"	6"	3.250	22MP-G400600	22MP-R400600



BClamp
Fittings**Cam & Groove Clamp Adapters*****Coupler x Clamp End - RC**

- material: CF8M (316)
- does not have a sanitary polish
- see page 8 for dust plugs

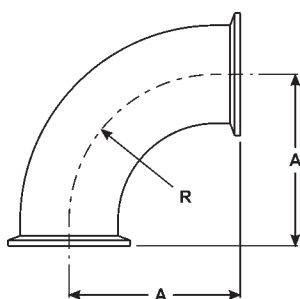
Tube OD	A	B	C	316 Stainless Steel Part Number
1½"	2.687	7.875	3.937	RC150SE
2"	2.812	8.250	4.312	RC200SE
3"	3.000	10.000	5.625	RC300SE

Adapter x Clamp End - RE

- material: CF8M (316)
- does not have a sanitary polish
- see page 8 for dust caps

Tube OD	A	B	C	316 Stainless Steel Part Number
1½"	2.281	2.000	2.093	RE150SE
2"	2.593	2.500	2.468	RE200SE
3"	2.750	3.562	3.593	RE300SE

* For dust caps and plugs, see page 8

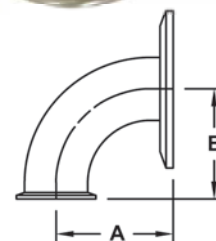
Clamp Elbows**90° Clamp Elbows - B2CMP**

Tube OD	A	R	304 Stainless Steel Part Number	316L Stainless Steel Part Number
½"	1.625	1.125	---	B2CMP-R50
¾"	1.625	1.125	---	B2CMP-R75
½"	3.500	1.125	---	B2CMPL-R50
¾"	3.500	1.125	---	B2CMPL-R75
1"	2.000	1.500	B2CMP-G100	B2CMP-R100
1½"	2.750	2.250	B2CMP-G150	B2CMP-R150
2"	3.500	3.000	B2CMP-G200	B2CMP-R200
2½"	4.250	3.750	B2CMP-G250	B2CMP-R250
3"	5.000	4.500	B2CMP-G300	B2CMP-R300
4"	6.625	6.000	B2CMP-G400	B2CMP-R400
6"	9.875	9.000	B2CMP-G600	B2CMP-R600
8"	12.875	12.000	B2CMP-G800	B2CMP-R800
10"	15.875	15.000	B2CMP-G1000	---
12"	18.875	18.000	B2CMP-G1200	---

Clamp Elbows

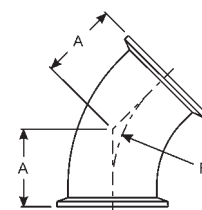
90° Non-Tapered Reducing Clamp Elbows - **B2CM31MP**

Tube OD	A	B	304 Stainless Steel Part Number	316L Stainless Steel Part Number
2" x 1½"	2.750	2.750	B2CM31MPG200150	B2CM31MPR200150
2½" x 2"	3.500	3.500	B2CM31MPG250200	B2CM31MPR250200
3" x 2"	3.500	3.500	B2CM31MPG300200	B2CM31MPR300200
3" x 2½"	4.250	4.250	B2CM31MPG300250	B2CM31MPR300250



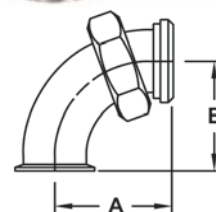
45° Clamp Elbows - **B2KMP**

Tube OD	A	R	304 Stainless Steel Part Number	316L Stainless Steel Part Number
½"	.966	1.125	---	B2KMP-R50
¾"	.966	1.125	---	B2KMP-R75
1"	1.125	1.500	B2KMP-G100	B2KMP-R100
1½"	1.437	2.250	B2KMP-G150	B2KMP-R150
2"	1.750	3.000	B2KMP-G200	B2KMP-R200
2½"	2.062	3.750	B2KMP-G250	B2KMP-R250
3"	2.375	4.500	B2KMP-G300	B2KMP-R300
4"	3.125	6.000	B2KMP-G400	B2KMP-R400
6"	4.625	9.000	B2KMP-G600	B2KMP-R600
8"	5.875	12.000	B2KMP-G800	B2KMP-R800
10"	7.125	15.000	B2KMP-G1000	---
12"	8.375	18.000	B2KMP-G1200	---



90° Clamp by Plain Bevel Seat with Hex Nut Elbows - **B2FMP-14**

Tube OD	A	B	304 Stainless Steel Part Number
1"	2.218	2.000	B2FMP-14-G100
1½"	2.968	2.750	B2FMP-14-G150
2"	3.750	3.500	B2FMP-14-G200
2½"	4.625	4.250	B2FMP-14-G250
3"	5.406	5.000	B2FMP-14-G300
4"	7.031	6.625	B2FMP-14-G400



Other types of elbows available call Dixon Sanitary for information

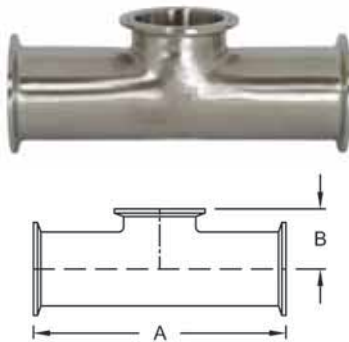


B2CMP-14



B2FMP-15

B2SXLMP
various radii

BClamp
Fittings**Short Outlet Tees - B7MPS**

Tube OD	A	B	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	4.750	1.125	B7MPS-G100	B7MPS-R100
1½"	5.500	1.375	B7MPS-G150	B7MPS-R150
2"	7.000	1.625	B7MPS-G200	B7MPS-R200
2½"	7.000	1.875	B7MPS-G250	B7MPS-R250
3"	7.500	2.125	B7MPS-G300	B7MPS-R300
4"	9.000	2.750	B7MPS-G400	B7MPS-R400

**Clamp Tees - B7MP**

Tube OD	A	B	304 Stainless Steel Part Number	316L Stainless Steel Part Number
½"	4.750	2.375	---	B7MP-R50
¾"	5.000	2.500	---	B7MP-R75
1"	4.750	2.375	B7MP-G100	B7MP-R100
1½"	5.500	2.750	B7MP-G150	B7MP-R150
2"	7.000	3.500	B7MP-G200	B7MP-R200
2½"	7.000	3.500	B7MP-G250	B7MP-R250
3"	7.500	3.750	B7MP-G300	B7MP-R300
4"	9.000	4.500	B7MP-G400	B7MP-R400
6"	13.000	6.500	B7MP-G600	B7MP-R600
8"	15.750	7.875	B7MP-G800	B7MP-R800
10"	18.750	9.735	B7MP-G1000	---
12"	21.750	10.735	B7MP-G1200	---

**Clamp Reducing Tees - B7RMP**

Tube OD	A	B	C	304 Stainless Steel Part Number	316L Stainless Steel Part Number
¾" x ½"	5.000	2.500	2.500	---	B7RMP-R7550
1" x ½"	5.250	2.625	2.625	---	B7RMP-R10050
1" x ¾"	5.250	2.625	2.625	---	B7RMP-R10075
1½" x ½"	5.750	2.875	2.875	---	B7RMP-R15050
1½" x ¾"	5.250	2.875	2.875	---	B7RMP-R10075
1½" x 1"	4.312	2.156	1.875	B7RMP-G150100	B7RMP-R150100
2" x ½"	6.750	3.375	3.125	---	B7RMP-R20050
2" x ¾"	6.750	3.375	3.125	---	B7RMP-R20075
2" x 1"	5.125	2.562	2.125	B7RMP-G200100	B7RMP-R200100
2" x 1½"	5.125	2.562	2.406	B7RMP-G200150	B7RMP-R200150
2½" x 1½"	5.688	2.844	2.656	B7RMP-G250150	B7RMP-R250150
2½" x 2"	5.688	2.844	2.812	B7RMP-G250200	B7RMP-R250200
3" x 1½"	6.188	3.093	2.906	B7RMP-G300150	B7RMP-R300150
3" x 2"	6.188	3.093	3.063	B7RMP-G300200	B7RMP-R300200
3" x 2½"	6.188	3.093	3.093	B7RMP-G300250	B7RMP-R300250
4" x 1½"	8.125	4.063	3.406	B7RMP-G400150	B7RMP-R400150
4" x 2"	8.125	4.063	3.563	B7RMP-G400200	B7RMP-R400200
4" x 2½"	8.125	4.063	3.594	B7RMP-G400250	B7RMP-R400250
4" x 3"	8.125	4.063	3.594	B7RMP-G400300	B7RMP-R400300

Other types of tees available call Dixon Sanitary for information

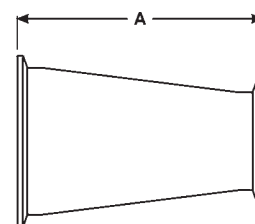


B7RMPS

Clamp Reducers

Clamp Concentric Reducers - B3114MP

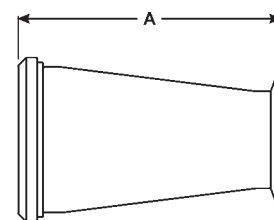
Tube OD	A	304 Stainless Steel Part Number	316L Stainless Steel Part Number
3/4" x 1/2"	2.000	---	B3114MP-R7550
1" x 1/2"	3.000	---	B3114MP-R10050
1" x 3/4"	2.000	---	B3114MP-R10075
1 1/2" x 1/2"	5.000	---	B3114MP-R15050
1 1/2" x 3/4"	4.000	---	B3114MP-R15075
1 1/2" x 1"	3.000	B3114MP-G150100	B3114MP-R150100
2" x 1/2"	7.000	---	B3114MP-R20050
2" x 3/4"	6.000	---	B3114MP-R20075
2" x 1"	5.000	B3114MP-G200100	B3114MP-R200100
2" x 1 1/2"	3.000	B3114MP-G200150	B3114MP-R200150
2 1/2" x 1 1/2"	5.000	B3114MP-G250150	B3114MP-R250150
2 1/2" x 2"	3.000	B3114MP-G250200	B3114MP-R250200
3" x 1"	9.000	B3114MP-G300100	B3114MP-R300100
3" x 1 1/2"	7.000	B3114MP-G300150	B3114MP-R300150
3" x 2"	5.000	B3114MP-G300200	B3114MP-R300200
3" x 2 1/2"	3.000	B3114MP-G300250	B3114MP-R300250
4" x 1 1/2"	11.125	B3114MP-G400150	B3114MP-R400150
4" x 2"	9.125	B3114MP-G400200	B3114MP-R400200
4" x 2 1/2"	7.125	B3114MP-G400250	B3114MP-R400250
4" x 3"	5.125	B3114MP-G400300	B3114MP-R400300
6" x 2"	6.875	B3114MP-G600200	B3114MP-R600200
6" x 3"	6.875	B3114MP-G600300	B3114MP-R600300
6" x 4"	7.000	B3114MP-G600400	B3114MP-R600400
8" x 4"	7.500	B3114MP-G800400	B3114MP-R800400
8" x 6"	7.750	B3114MP-G800600	B3114MP-R800600



Plain Bevel Seat x Clamp Concentric Reducers - B14C31

Tube OD	A	304 Stainless Steel Part Number
1 1/2" x 1"	3.218	B14C31-G150100 *
2" x 1 1/2"	3.250	B14C31-G200150
2 1/2" x 1 1/2"	5.375	B14C31-G250150
2 1/2" x 2"	3.375	B14C31-G250200
3" x 1 1/2"	7.406	B14C31-G300150
3" x 2"	5.406	B14C31-G300200
3" x 2 1/2"	3.406	B14C31-G300250

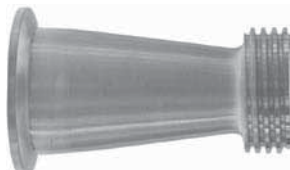
* comes with 13H-G150, hex nut cannot be assembled on fitting after welding



Other types of concentric reducers available call Dixon Sanitary for information



B3114



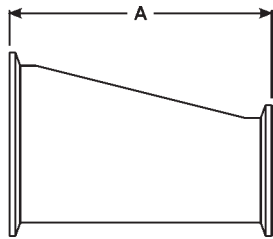
B3115

B15C31

Clamp Reducers



Clamp Eccentric Reducers - B3214MP



Tube OD	A	304 Stainless Steel Part Number	316L Stainless Steel Part Number
3/4" x 1/2"	2.000	---	B3214MP-R7550
1" x 1/2"	3.000	---	B3214MP-R10050
1" x 3/4"	2.000	---	B3214MP-R10075
1 1/2" x 1/2"	5.000	---	B3214MP-R15050
1 1/2" x 3/4"	4.000	---	B3214MP-R15075
1 1/2" x 1"	3.000	B3214MP-G150100	B3214MP-R150100
2" x 1/2"	7.000	---	B3214MP-R20050
2" X 3/4"	6.000	---	B3214MP-R20075
2" x 1"	5.000	B3214MP-G200100	B3214MP-R200100
2" x 1 1/2"	3.000	B3214MP-G200150	B3214MP-R200150
2 1/2" x 1 1/2"	5.000	B3214MP-G250150	B3214MP-R250150
2 1/2" x 2"	3.000	B3214MP-G250200	B3214MP-R250200
3" x 1"	9.000	B3214MP-G300100	B3214MP-R300100
3" x 1 1/2"	7.000	B3214MP-G300150	B3214MP-R300150
3" x 2"	5.000	B3214MP-G300200	B3214MP-R300200
3" x 2 1/2"	3.000	B3214MP-G300250	B3214MP-R300250
4" x 1 1/2"	11.125	B3214MP-G400150	B3214MP-R400150
4" x 2"	9.125	B3214MP-G400200	B3214MP-R400200
4" x 2 1/2"	7.125	B3214MP-G400250	B3214MP-R400250
4" x 3"	5.125	B3214MP-G400300	B3214MP-R400300
6" x 3"	6.875	B3214MP-G600300	B3214MP-R600300
6" x 4"	7.000	B3214MP-G600400	B3214MP-R600400
8" x 4"	7.500	B3214MP-G800400	B3214MP-R800400
8" x 6"	7.750	B3214MP-G800600	B3214MP-R800600

Other types of eccentric reducers available call Dixon Sanitary for information



B3214



B14C32



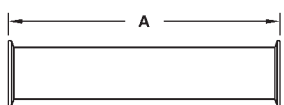
B3215



B15C32

Miscellaneous Clamp Configurations

Spool Assembly - SPOOL



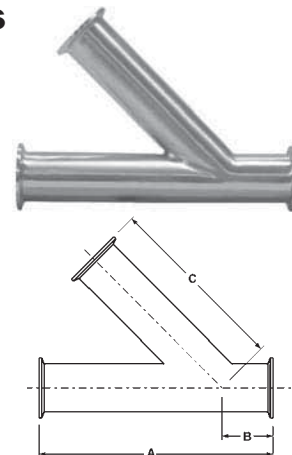
Tube OD	A (minimum length)	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1/2"	2.25	SPOOL*-G050	SPOOL*-R050
3/4"	2.25	SPOOL*-G075	SPOOL*-R075
1"	2.25	SPOOL*-G100	SPOOL*-R100
1 1/2"	2.25	SPOOL*-G150	SPOOL*-R150
2"	2.25	SPOOL*-G200	SPOOL*-R200
2 1/2"	2.25	SPOOL*-G250	SPOOL*-R250
3"	2.25	SPOOL*-G300	SPOOL*-R300
4"	2.25	SPOOL*-G400	SPOOL*-R400
6"	3.00	SPOOL*-G600	SPOOL*-R600

* overall length in inches

Miscellaneous Clamp Configurations

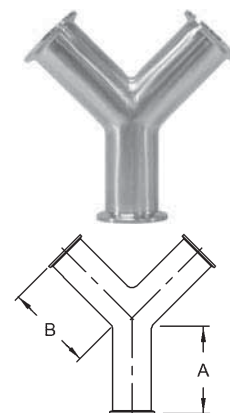
Clamp Laterals - B28AMP

Tube OD	A	B	C	316L Stainless Steel Part Number
1"	7.000	1.500	5.500	B28AMP-R100
1½"	8.375	1.688	6.688	B28AMP-R150
2"	9.750	2.125	7.625	B28AMP-R200
2½"	11.000	2.000	9.000	B28AMP-R250
3"	11.750	2.375	9.375	B28AMP-R300
4"	14.062	2.640	11.312	B28AMP-R400



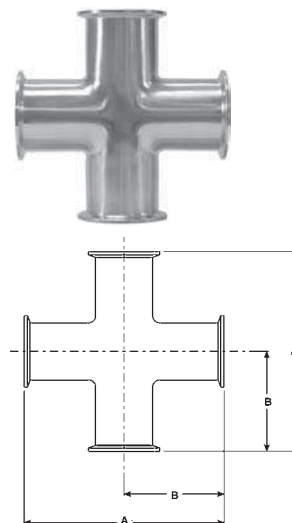
Clamp True Y - B28BMP

Tube OD	A	B	316L Stainless Steel Part Number
1"	2.500	2.938	B28BMP-R100
1½"	2.500	2.938	B28BMP-R150
2"	3.125	3.750	B28BMP-R200
2½"	3.870	4.625	B28BMP-R250
3"	4.500	5.375	B28BMP-R300
4"	6.000	6.000	B28BMP-R400



Clamp Cross - B9MP

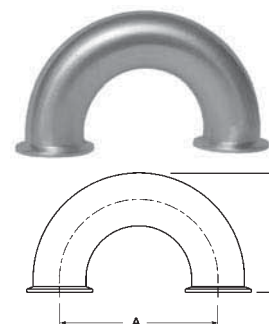
Tube OD	A	B	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	4.750	2.375	B9MP-G100	B9MP-R100
1½"	5.500	2.750	B9MP-G150	B9MP-R150
2"	7.000	3.500	B9MP-G200	B9MP-R200
2½"	7.000	3.500	B9MP-G250	B9MP-R250
3"	7.500	3.750	B9MP-G300	B9MP-R300
4"	9.000	4.500	B9MP-G400	B9MP-R400



Clamp 180° Return Bends - B2WUMP

- bends are 1.5 x tube diameter

Tube OD	A	B	316L Stainless Steel Part Number
1"	3.000	2.500	B2WUMP-R100
1½"	4.500	3.500	B2WUMP-R150
2"	6.000	4.500	B2WUMP-R200
2½"	7.500	5.500	B2WUMP-R250
3"	9.000	6.500	B2WUMP-R300
4"	12.000	8.625	B2WUMP-R400



Clamp Gaskets

Buna-N - Black



Type 1 - Standard
1/2" - 3/4"



Type 1 - Standard
1" and larger

- color code: red dot
- meets 21CFR 177.2600
- refer to pages 163-165 for compatibility information

Size	Part Number
1/2"	42MP-U50
3/4"	42MP-U75
1"	40MP-U100
1 1/2"	40MP-U150
2"	40MP-U200
2 1/2"	40MP-U250
3"	40MP-U300
4"	40MP-U400
5"	40MP-U500
6"	40MP-U600
8"	40MP-U800

Buna-N - White



Type 1 - Standard
1/2" - 3/4"



Type 1 - Standard
1" and larger

- color code: red dot
- meets 21CFR 177.2600
- refer to pages 163-165 for compatibility information

Size	Part Number
1/2"	42MP-UW50
3/4"	42MP-UW75
1"	40MP-UW100
1 1/2"	40MP-UW150
2"	40MP-UW200
2 1/2"	40MP-UW250
3"	40MP-UW300
4"	40MP-UW400
6"	40MP-UW600

EPDM



Type 1 - Standard
1/2" - 3/4"



Type 1 - Standard
1" and larger

- color code: three green dots
- peroxide cured
- meets 21CFR 177.2600
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information

Size	Part Number
1/2"	42MP-E50
3/4"	42MP-E75
1"	40MP-E100
1 1/2"	40MP-E150
2"	40MP-E200
2 1/2"	40MP-E250
3"	40MP-E300
4"	40MP-E400
5"	40MP-E500
6"	40MP-E600

FKM (Viton®)



Type 1 - Standard
1/2" - 3/4"



Type 1 - Standard
1" and larger

- color code: one white dot and one yellow dot
- peroxide cured
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information
- meets 21CFR 177.2600

Size	Part Number
1/2"	42MP-SFY50
3/4"	42MP-SFY75
1"	40MP-SFY100
1 1/2"	40MP-SFY150
2"	40MP-SFY200
2 1/2"	40MP-SFY250
3"	40MP-SFY300
4"	40MP-SFY400
6"	40MP-SFY600

Clamp Gaskets

Silicone - White

Size	Part Number
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



Type 1 - Standard
1/2" - 3/4"



Type 1 - Standard
1" and larger

- color code: pink dot
- peroxide cured
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information
- meets 21CFR 177.2600

Silicone - Clear

Size	Part Number
1/2"	42MP-XC50
3/4"	42MP-XC75
1"	40MP-XC100
1 1/2"	40MP-XC150
2"	40MP-XC200
2 1/2"	40MP-XC250
3"	40MP-XC300
4"	40MP-XC400



Type 1 - Standard
1/2" - 3/4"



Type 1 - Standard
1" and larger

- color code: no dot
- peroxide cured
- meets 21CFR 177.2600
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information

PTFE (Teflon®)

Size	Part Number
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
6"	40MP-G600
8"	40MP-G800
10"	40MP-G1000
12"	40MP-G1200



Type 1 - Standard
1/2" - 3/4"



Type 1 - Standard
1" and larger

- color code: no dot
- meets 21CFR 177.1550
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information
- not recommended for use with bolted clamps

CAUTION

PTFE (Teflon®) 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.

Clamp Flanged Gaskets

Buna-N - Black, Flanged



Type 2 - Flanged
1" and larger

- color code: red dot
- meets 21CFR 177.2600
- refer to pages 163-165 for compatibility information
- not recommended for use with bolted clamps

Size	Part Number
1"	40MPF-U100
1½"	40MPF-U150
2"	40MPF-U200
2½"	40MPF-U250
3"	40MPF-U300
4"	40MPF-U400
6"	40MPF-U600
8"	40MPF-U800
10"	40MPF-U1000
12"	40MPF-U1200

Buna-N - White, Flanged



Type 2 - Flanged
1" and larger

- color code: red dot
- meets 21CFR 177.2600
- refer to pages 163-165 for compatibility information
- not recommended for use with bolted clamps

Size	Part Number
1"	40MPF-UW100
1½"	40MPF-UW150
2"	40MPF-UW200
2½"	40MPF-UW250
3"	40MPF-UW300
4"	40MPF-UW400
6"	40MPF-UW600
8"	40MPF-UW800

EPDM - Flanged



Type 2 - Flanged
1" and larger

- color code: three green dots
- peroxide cured
- meets 21CFR 177.2600
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information
- not recommended for use with bolted clamps

Size	Part Number
1"	40MPF-E100
1½"	40MPF-E150
2"	40MPF-E200
2½"	40MPF-E250
3"	40MPF-E300
4"	40MPF-E400
6"	40MPF-E600
8"	40MPF-E800
10"	40MPF-E1000
12"	40MPF-E1200

Clamp Flanged Gaskets

FKM (Viton®) - Flanged

Size	Part Number
1"	40MPF-SFY100
1½"	40MPF-SFY150
2"	40MPF-SFY200
2½"	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

- color code: one white dot, one yellow dot
- peroxide cured
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information
- not recommended for use with bolted clamps
- meets 21CFR 177.2600

Silicone - White, Flanged

Size	Part Number
1"	40MPF-XW100
1½"	40MPF-XW150
2"	40MPF-XW200
2½"	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

- color code: pink dot
- peroxide cured
- meets 21CFR 177.2600
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information
- not recommended for use with bolted clamps

Silicone - Clear, Flanged

Size	Part Number
1"	40MPF-XC100
1½"	40MPF-XC150
2"	40MPF-XC200
2½"	40MPF-XC250
3"	40MPF-XC300
4"	40MPF-XC400
6"	40MPF-XC600
8"	40MPF-XC800

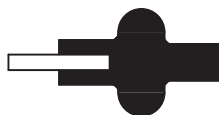


Type 2 - Flanged
1" and larger

- color code: no dot
- peroxide cured
- meets 21CFR 177.2600
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information
- not recommended for use with bolted clamps

Clamp Screened Gaskets

Buna-N - Mesh Screen, 316

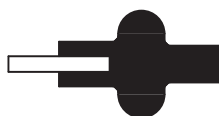


Type 3 - Mesh

- color code: red dot
- 10 mesh standard, other mesh available, call for details
- meets 21CFR 177.2600
- refer to pages 163-165 for compatibility information
- refer to page 160 for additional mesh sizes

Size	Part Number
1"	40MPS-U100
1½"	40MPS-U150
2"	40MPS-U200
2½"	40MPS-U250
3"	40MPS-U300
4"	40MPS-U400

EPDM - Mesh Screen, 316

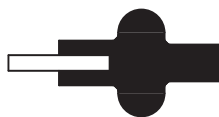


Type 3 - Mesh

- color code: three green dots
- 10 mesh standard, other materials available, call for details
- peroxide cured
- meets 21CFR 177.2600
- refer to pages 163-165 for compatibility information
- refer to page 160 for additional mesh sizes

Size	Part Number
1"	40MPS-E100
1½"	40MPS-E150
2"	40MPS-E200
2½"	40MPS-E250
3"	40MPS-E300
4"	40MPS-E400

FKM (Viton®) - Mesh Screen, 316



Type 3 - Mesh

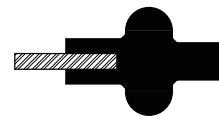
- color code: one white dot, one yellow dot
- 10 mesh standard, other mesh available, call for details
- peroxide cured
- refer to pages 163-165 for compatibility information
- refer to page 160 for additional mesh sizes
- meets 21CFR 177.2600

Size	Part Number
1"	40MPS-SFY100
1½"	40MPS-SFY150
2"	40MPS-SFY200
2½"	40MPS-SFY250
3"	40MPS-SFY300
4"	40MPS-SFY400

Clamp Perforated Gaskets

Buna-N - .033 holes

Size	Part Number
1"	40MP-UP100
1½"	40MP-UP150
2"	40MP-UP200
2½"	40MP-UP250
3"	40MP-UP300
4"	40MP-UP400



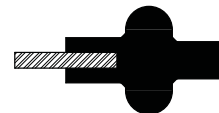
Type 3 - Perforated

- color code: red dot
- perforated metal disc 316 stainless steel sheet
- meets 21CFR 177.2600
- refer to pages 163-165 for compatibility information

Clamp Orifice Gaskets

Buna-N - Black, 1/8" hole

Size	Part Number
1"	A80MP-U100
1½"	A80MP-U150
2"	A80MP-U200
2½"	A80MP-U250
3"	A80MP-U300
4"	A80MP-U400



- color code: red dot
- 316 stainless steel sheet;
other hole sizes available, call for details
- meets 21CFR 177.2600
- refer to pages 163-165 for compatibility information

FKM (Viton®) - 1/8" hole

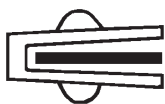
Size	Part Number
1"	A80MP-SFY100
1½"	A80MP-SFY150
2"	A80MP-SFY200
2½"	A80MP-SFY250
3"	A80MP-SFY300
4"	A80MP-SFY400



- color code: one white dot, one yellow dot
- 316 stainless steel sheet;
other hole sizes available, call for details
- peroxide cured
- refer to pages 163-165 for compatibility information
- meets 21CFR 177.2600

Clamp Envelope Gaskets

PTFE (Teflon®) envelope with EPDM filler



- color code: usually not marked
- peroxide cured EPDM
- meets 21CFR 177.1550
- refer to pages 163-165 for compatibility information

Size	Part Number
½"	42MP-GRE50
¾"	42MP-GRE75
1"	40MP-GRE100
1½"	40MP-GRE150
2"	40MP-GRE200
2½"	40MP-GRE250
3"	40MP-GRE300
4"	40MP-GRE400

CAUTION

PTFE (Teflon®) 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.

PTFE (Teflon®) envelope with FKM (Viton®) filler



- color code: usually not marked
- peroxide cured FKM
- refer to pages 163-165 for compatibility information
- meets 21CFR 177.1550

Size	Part Number
½"	42MP-GR50
¾"	42MP-GR75
1"	40MP-GR100
1½"	40MP-GR150
2"	40MP-GR200
2½"	40MP-GR250
3"	40MP-GR300
4"	40MP-GR400
6"	40MP-GR600
8"	40MP-GR800

CAUTION

PTFE (Teflon®) 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.

APC Clamp Gaskets

Buna APC - Grey



- color code: no dot
- meets 21CFR 177.2600
- refer to pages 163-165 for compatibility information

Size	Part Number
1"	101-H100
1½"	101-H150
2"	101-H200
2½"	101-H250
3"	101-H300
4"	101-H400

Buna APC - Black



- color code: no dot
- meets 21CFR 177.2600
- refer to pages 163-165 for compatibility information

Size	Part Number
1"	101-HX100
1½"	101-HX150
2"	101-HX200
2½"	101-HX250
3"	101-HX300
4"	101-HX400

Bradford™ Euro Fittings

European Connections

Product Specifications

C
European
Fittings

Size range:

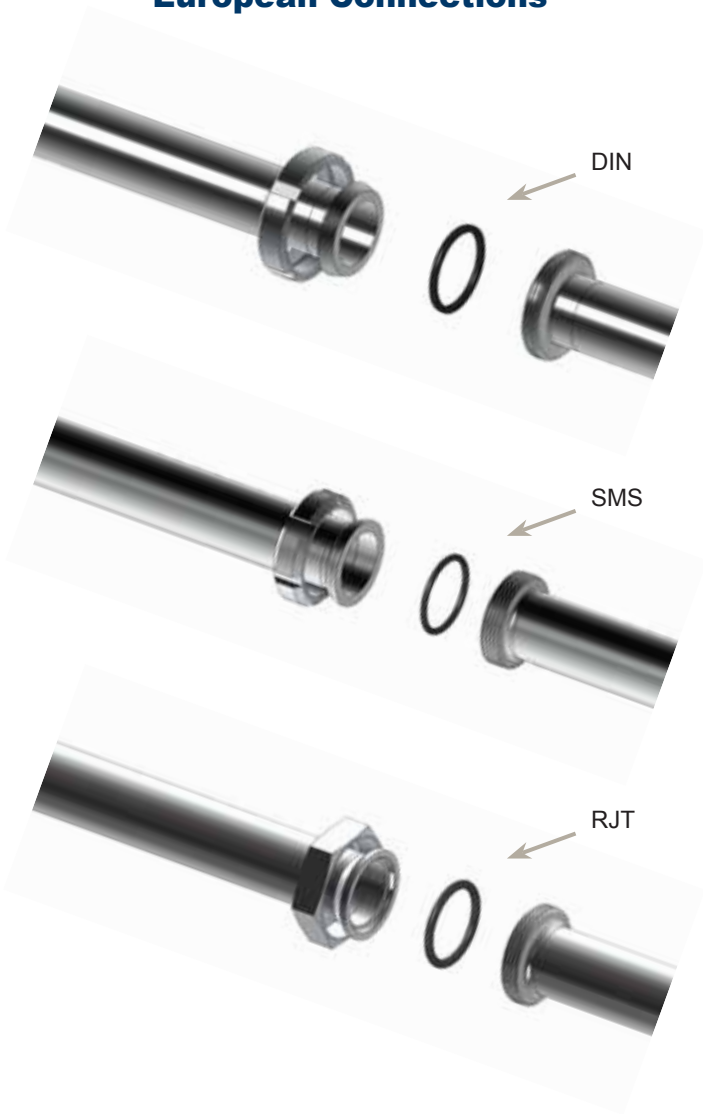
- 1" - 4" OD

Materials:

- G = 304 stainless steel
- R = 316 stainless steel

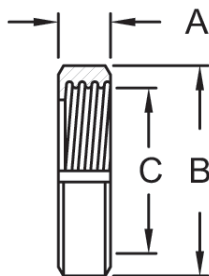
Finish:

- 3A sanitary finish ID and OD

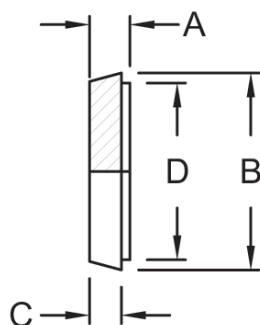


Index

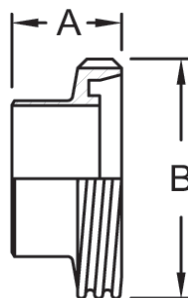
DIN fittings	40	Gaskets	43
SMS fittings	41		
RJT fittings.....	42		

DIN 11851**DIN Round Nut (DIN 11857) - 13R****C**European
Fittings

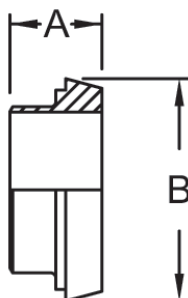
Size	A	B	C	304 Stainless Steel Part Number
1"	.83	2.48	2.05	13R-G100DIN
1½"	.83	3.07	2.56	13R-G150DIN
2"	.87	3.62	3.07	13R-G200DIN
2½"	.98	4.41	3.74	13R-G250DIN
3"	1.14	5.00	4.33	13R-G300DIN
4"	1.22	5.83	5.12	13R-G400DIN

DIN Blank Cap - 16AMP

Size	A	B	C	D	316 Stainless Steel Part Number
1"	.51	1.73	.39	1.38	16AMP-R100DIN
1½"	.51	2.20	.39	1.89	16AMP-R150DIN
2"	.55	2.68	.43	2.40	16AMP-R200DIN
2½"	.63	3.39	.47	3.11	16AMP-R250DIN
3"	.63	3.66	.47	3.39	16AMP-R300DIN
4"	.79	4.76	.59	4.49	16AMP-R400DIN

DIN Welding Male - 15A

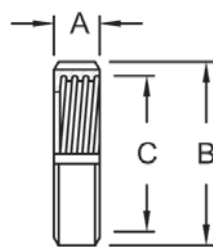
Size	A	B	316 Stainless Steel Part Number
1"	1.14	2.04	15A-R100DIN
1½"	1.30	2.55	15A-R150DIN
2"	1.38	3.07	15A-R200DIN
2½"	1.57	3.74	15A-R250DIN
3"	1.57	4.31	15A-R300DIN
4"	2.13	5.12	15A-R400DIN

DIN Welding Liner - 14A

Size	A	B	316 Stainless Steel Part Number
1"	.87	1.73	14A-R100DIN
1½"	1.02	2.20	14A-R150DIN
2"	1.10	2.68	14A-R200DIN
2½"	1.26	3.39	14A-R250DIN
3"	1.26	3.94	14A-R300DIN
4"	1.73	4.76	14A-R400DIN

SMS**SMS Round Nut - 13R**

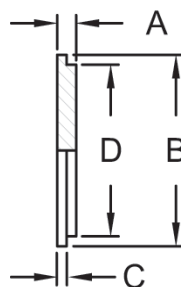
Size	A	B	C	304 Stainless Steel Part Number
1"	.75	2.01	1.57	13R-G100SMS
1½"	.91	2.91	2.36	13R-G150SMS
2"	.94	3.31	2.76	13R-G200SMS
2½"	1.10	3.94	3.35	13R-G250SMS
3"	1.18	4.49	3.86	13R-G300SMS
4"	1.22	5.43	4.92	13R-G400SMS



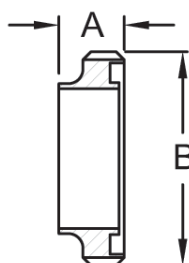
C
European
Fittings

SMS Blank Cap - 16AMP

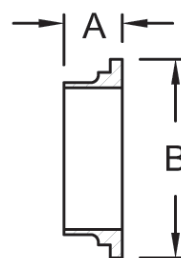
Size	A	B	C	D	316 Stainless Steel Part Number
1"	.30	1.40	.14	1.25	16AMP-R100SMS
1½"	.31	2.20	.16	1.89	16AMP-R150SMS
2"	.35	2.56	.16	2.38	16AMP-R200SMS
2½"	.35	3.15	.16	2.89	16AMP-R250SMS
3"	.43	3.66	.20	3.41	16AMP-R300SMS
4"	.43	4.65	.23	4.43	16AMP-R400SMS

**SMS Welding Male - 15A**

Size	A	B	316 Stainless Steel Part Number
1"	.75	1.57	15A-R100SMS
1½"	.91	2.36	15A-R150SMS
2"	.91	2.76	15A-R200SMS
2½"	1.06	3.35	15A-R250SMS
3"	1.06	3.86	15A-R300SMS
4"	1.18	4.92	15A-R400SMS

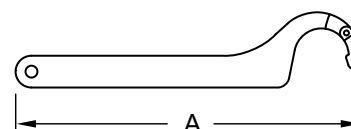
**SMS Welding Liner - 14A**

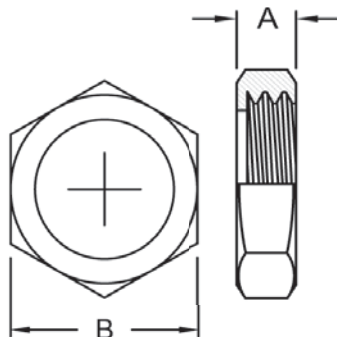
Size	A	B	316 Stainless Steel Part Number
1"	.61	1.40	14A-R100SMS
1½"	.63	2.17	14A-R150SMS
2"	.67	2.56	14A-R200SMS
2½"	.67	3.16	14A-R250SMS
3"	.75	3.66	14A-R300SMS
4"	.75	4.65	14A-R400SMS

**Spanner Wrench - SP**

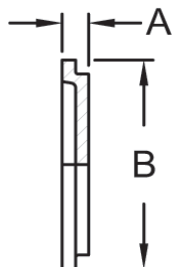
- for use on DIN or SMS Round Nuts

Used On Sizes	A	Nickel Plated Steel Part Number
1" - 1½"	11.00	DIN-SMS-60/90SP
2" - 4"	13.00	DIN-SMS90/155SP

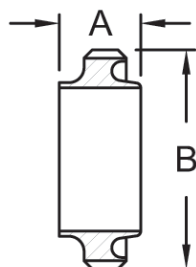


RJT BS:4825**RJT Hex Nut - 13H**

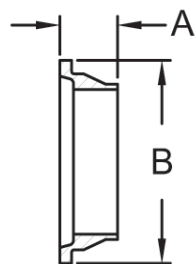
Size	A	B	304 Stainless Steel Part Number
1"	.87	2.00	13H-G100RJT
1½"	.87	2.56	13H-G150RJT
2"	.87	3.12	13H-G200RJT
2½"	.87	3.62	13H-G250RJT
3"	.87	4.12	13H-G300RJT
4"	.87	5.12	13H-G400RJT

RJT Blank Cap - 13RBN

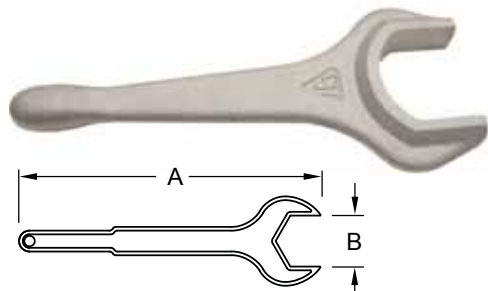
Size	A	B	316 Stainless Steel Part Number
1"	.32	1.63	13RBN-R100RJT
1½"	.32	2.12	13RBN-R150RJT
2"	.32	2.62	13RBN-R200RJT
2½"	.32	3.12	13RBN-R250RJT
3"	.32	3.63	13RBN-R300RJT
4"	.32	4.63	13RBN-R400RJT

RJT Welding Male - 15A

Size	A	B	316 Stainless Steel Part Number
1"	1.06	1.80	15A-R100RJT
1½"	1.06	2.30	15A-R150RJT
2"	1.06	2.86	15A-R200RJT
2½"	1.06	3.36	15A-R250RJT
3"	1.06	3.86	15A-R300RJT
4"	1.06	4.86	15A-R400RJT

RJT Welding Liner - 14A

Size	A	B	316 Stainless Steel Part Number
1"	.77	1.63	14A-R100RJT
1½"	.77	2.13	14A-R150RJT
2"	.77	2.63	14A-R200RJT
2½"	.77	3.13	14A-R250RJT
3"	.77	3.63	14A-R300RJT
4"	.77	4.63	14A-R400RJT

RJT Spanner Wrench - SP

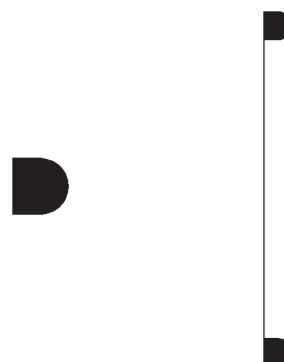
Size	A	B	Aluminum Part Number
1"	2.00	10.5	RJT-100SP
1½"	2.56	12.0	RJT-150SP
2"	3.12	14.0	RJT-200SP
2½"	3.62	16.3	RJT-250SP
3"	4.12	18.5	RJT-300SP
4"	5.12	19.5	RJT-400SP

Euro Gaskets

DIN Buna-N - Black

- color code: red dot
- meets 21CFR 177.2600
- refer to pages 163-165 for compatibility information

Size	DN Size	ID	OD	Height	Part Number
1"	25	1.18	1.57	.20	40MP-U100DIN
1½"	40	1.65	2.05	.20	40MP-U150DIN
2"	50	2.13	2.52	.20	40MP-U200DIN
2½"	65	2.80	3.19	.20	40MP-U250DIN
3"	80	3.35	3.74	.20	40MP-U300DIN
4"	100	4.09	4.49	.24	40MP-U400DIN

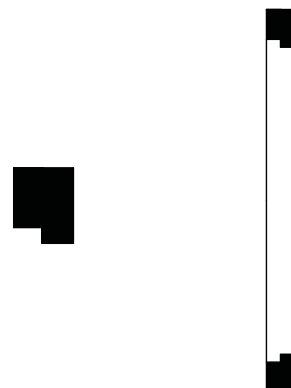


C
European
Fittings

SMS Buna-N - Black

- color code: red dot
- meets 21CFR 177.2600
- refer to pages 163-165 for compatibility information

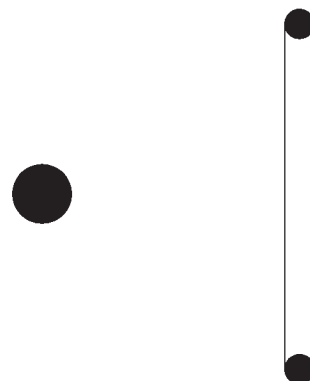
Size	ID	OD	Part Number
1"	.98	1.26	40MP-U100SMS
1½"	1.49	1.89	40MP-U150SMS
2"	2.00	2.40	40MP-U200SMS
2½"	2.50	2.89	40MP-U250SMS
3"	2.99	3.39	40MP-U300SMS
4"	4.09	4.49	40MP-U400SMS



RJT Buna-N - Black

- color code: red dot
- meets 21CFR 177.2600
- refer to pages 163-165 for compatibility information

Size	ID	Ø	Part Number
1"	1.06	.25	40MP-U100RJT
1½"	1.56	.25	40MP-U150RJT
2"	2.06	.25	40MP-U200RJT
2½"	2.56	.25	40MP-U250RJT
3"	3.06	.25	40MP-U300RJT
4"	4.06	.25	40MP-U400RJT

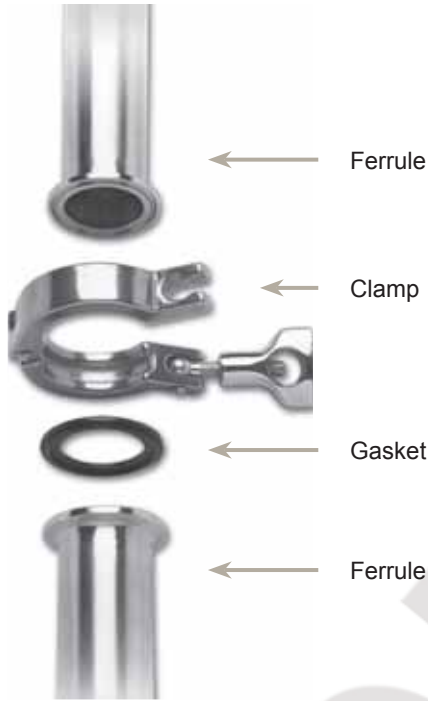


Bradford™ Pipe Fittings

A Complete Pipe Clamp Connection

Product Specifications

D

Pipe
Fittings

Size range:

- 1" - 6" nominal pipe

Materials:

- G = 304 stainless steel
- R = 316L stainless steel
- other alloys are available

Finish:

- 3A sanitary finish ID and OD

Dimensions of Stainless Steel Pipe given in inches

Nominal Pipe Size	Outside Diameter	Nominal Wall Thickness	
		schedule 5S	schedule 10S
1"	1.32	.065	.109
1½"	1.90	.065	.109
2"	2.38	.065	.109
2½"	2.88	.083	.120
3"	3.50	.083	.120
4"	4.50	.083	.120
6"	6.62	.109	.134

This section contains pipe materials. Please note: in sizes from ½" through 12", pipe is known by its nominal inside diameter, which differs from its actual inside diameter. To distinguish pipe sizes from actual measured diameters as used for tube, the term *iron pipe size (IPS)* or *nominal pipe size (NPS)* are usually used. For all pipe sizes, the outside diameter (OD) remains constant; the variations in wall thickness affect the inside diameter (ID).

Stainless steel schedule numbers from schedule 5S through schedule 80S are published in ANSI B36.19 for sizes through 12". The addition of the letter "S" after the schedule number identifies it as pertaining to stainless steel.



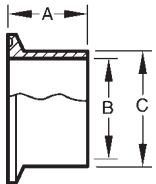
Pipe size and Tube OD size materials are not interchangeable

Index

Clamps	45	Adapters	47
Ferrules	45-46	Hangers	48
Caps	46	Gaskets	49

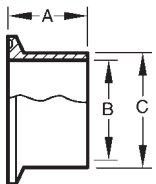
Pipe Size Ferrules

D

Pipe
Fittings

3 Schedule 5 Long Weld Ferrules - L14AM7V

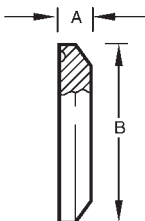
Pipe Size	A	B	C	316L Stainless Steel Part Number
1"	1.125	1.185	1.315	L14AM7V-R100
1½"	1.125	1.770	1.900	L14AM7V-R150
2"	1.125	2.245	2.375	L14AM7V-R200
2½"	1.125	2.709	2.875	L14AM7V-R250
3"	1.125	3.334	3.500	L14AM7V-R300
4"	1.125	4.334	4.500	L14AM7V-R400
6"	1.500	6.407	6.625	L14AM7V-R600



3 Schedule 10 Long Weld Ferrules - L14AM7X

Pipe Size	A	B	C	316L Stainless Steel Part Number
1"	1.125	1.097	1.315	L14AM7X-R100
1½"	1.125	1.682	1.900	L14AM7X-R150
2"	1.125	2.157	2.375	L14AM7X-R200
2½"	1.125	2.635	2.875	L14AM7X-R250
3"	1.125	3.260	3.500	L14AM7X-R300
4"	1.125	4.260	4.500	L14AM7X-R400
6"	1.500	6.350	6.625	L14AM7X-R600

Pipe Size End Caps



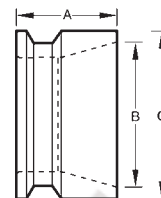
3 Solid End Caps - 16AMV

Pipe Size	A	B	316L Stainless Steel Part Number
1"	.250	1.984	16AMV-R100
1½"	.250	2.516	16AMV-R150
2"	.250	3.047	16AMV-R200
2½"	.250	3.579	16AMV-R250
3"	.312	4.125	16AMV-R300
4"	.312	5.125	16AMV-R400
6"	.437	7.195	16AMV-R600

Pipe Size Adapters

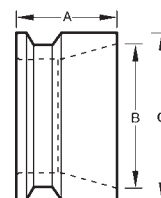
Clamp x Schedule 5 Weld Adapters - B19MPV

Pipe Size	A	B	C	Pipe Wall Thickness	316L Stainless Steel Part Number
1"	1.125	1.185	1.315	.065	B19MPV-R100
1½"	1.125	1.770	1.900	.065	B19MPV-R150
2"	1.125	2.245	2.375	.065	B19MPV-R200
2½"	1.125	2.709	2.875	.084	B19MPV-R250
3"	1.125	3.334	3.500	.084	B19MPV-R300
4"	1.125	4.334	4.500	.084	B19MPV-R400



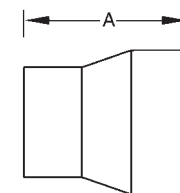
Clamp x Schedule 10 Weld Adapters - B19MPX

Pipe Size	A	B	C	Pipe Wall Thickness	316L Stainless Steel Part Number
1"	1.125	1.097	1.315	.109	B19MPX-R100
1½"	1.125	1.682	1.900	.109	B19MPX-R150
2"	1.125	2.157	2.375	.109	B19MPX-R200
2½"	1.125	2.635	2.875	.120	B19MPX-R250
3"	1.125	3.260	3.500	.120	B19MPX-R300
4"	1.125	4.260	4.500	.120	B19MPX-R400



Tube O.D. Weld x Schedule 10 Weld Adapters - B19WX

Pipe Size	A	Tube Wall Thickness	Pipe Wall Thickness	316L Stainless Steel Part Number
1"	2.000	.065	.109	B19WX-R100
1½"	2.500	.065	.109	B19WX-R150
2"	2.500	.065	.109	B19WX-R200
2½"	2.500	.065	.120	B19WX-R250
3"	2.500	.065	.120	B19WX-R300
4"	3.000	.084	.120	B19WX-R400



Other types of schedule 5 and 10 pipe fittings are available call Dixon Sanitary for information

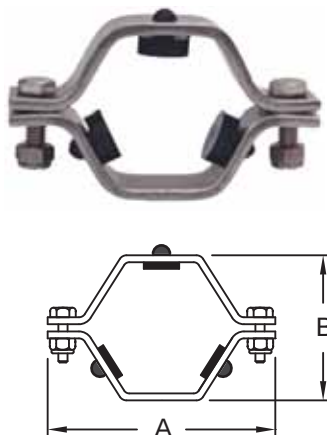


B19W

Pipe Size Hangers

Hex Hanger with Rubber Grommets - B24RV*

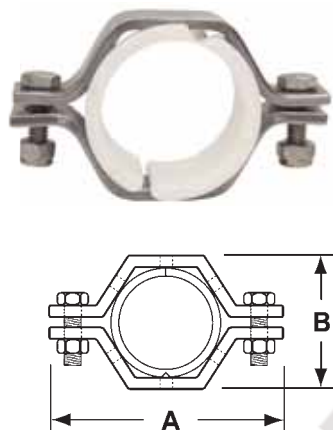
D

Pipe
Fittings

Pipe Size	A	B	304 Stainless Steel Part Number
1"	3.625	2.125	B24RV-G100
1½"	3.625	2.125	B24RV-G150
2"	4.312	2.625	B24RV-G200
2½"	4.875	3.125	B24RV-G250
3"	5.375	3.625	B24RV-G300
4"	6.562	4.750	B24RV-G400
6"	9.000	6.625	B24RV-G600

* For coupler option call Dixon Sanitary

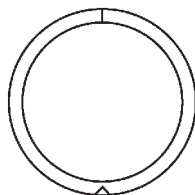
Hex Hanger with Polypropylene Sleeves - B24PV*



Pipe Size	A	B	304 Stainless Steel Part Number
1"	3.625	2.125	B24PV-G100
1½"	4.312	2.625	B24PV-G150
2"	4.875	3.125	B24PV-G200
2½"	4.812	3.125	B24PV-G250
3"	6.000	4.250	B24PV-G300
4"	7.500	5.625	B24PV-G400
6"	9.750	7.375	B24PV-G600

* For coupler option call Dixon Sanitary

Sleeves - 13PV



Pipe Size	Polypropylene Part Number
1"	13PV-100
1½"	13PV-150
2"	13PV-200
2½"	13PV-250
3"	13PV-300
4"	13PV-400
6"	13PV-600

Pipe Size Gaskets

Buna-N - Black

Pipe Size	Part Number
1"	40MPV-U100
1¼"	40MPV-U125
1½"	40MPV-U150
2"	40MPV-U200
2½"	40MPV-U250
3"	40MPV-U300
4"	40MPV-U400
6"	40MPV-U600



- color code: red dot
- meets 21CFR 177.2600
- refer to pages 163-165 for compatibility information

D
Pipe
Fittings

PTFE (Teflon®)

Pipe Size	Part Number
1"	40MPV-G100
1¼"	40MPV-G125
1½"	40MPV-G150
2"	40MPV-G200
2½"	40MPV-G250
3"	40MPV-G300
4"	40MPV-G400



- color code: no dot
- meets 21CFR 177.1550
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information
- not recommended for use with bolted clamps

CAUTION

PTFE (Teflon®) 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.

Bradford™ Bevel Seat Fittings

A Complete Bevel Seat Connection

Product Specifications

Size range:

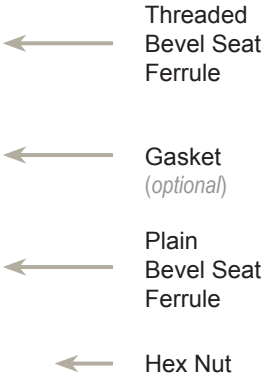
- 1" - 4" OD tube

Materials:

- G = 304 stainless steel
- R = 316L stainless steel
- other alloys are available

Finish:

- 3A sanitary finish ID and OD



Index

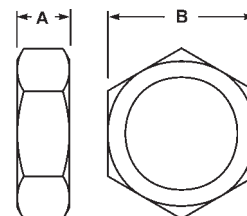
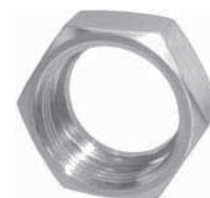
Nuts	51	Elbows	56
Wrenches	51	Reducers	57
Ferrules	52-54	Miscellaneous	58
Caps	55	Gaskets	59-60
Adapters	55		

Bevel Seat Nuts

Union Hex Nuts - 13H

- 400 PSI maximum

Tube OD	A	B	304 Stainless Steel (CF8) Part Number
1"	.906	1.812	13H-G100
1½"	.968	2.406	13H-G150
2"	1.062	3.000	13H-G200
2½"	1.187	3.594	13H-G250
3"	1.281	4.188	13H-G300
4"	1.500	5.438	13H-G400



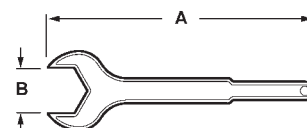
E

Bevel
Seat

Bevel Seat Wrenches

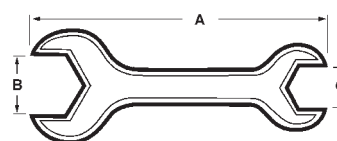
Single Side Hex Wrenches - 25H

Tube OD	A	B	Weight lbs.	Aluminum Part Number
1"	10.500	1.812	.64	25H-100
1½"	12.000	2.406	.86	25H-150
2"	14.000	3.000	1.76	25H-200
2½"	16.250	3.594	2.40	25H-250
3"	18.500	4.188	3.04	25H-300
4"	19.500	5.438	3.62	25H-400



Two Sided Hex Wrenches - 25H

Tube OD	A	B	C	Weight lbs.	Aluminum Part Number
1½" x 1"	12.000	2.406	1.812	1.00	25H-150100
2" x 1½"	14.000	3.000	2.406	1.75	25H-200150
2½" x 2"	16.500	3.594	3.000	2.80	25H-250200
3" x 2"	18.000	4.188	3.000	3.20	25H-300200
3" x 2½"	18.000	4.188	3.594	3.70	25H-300250

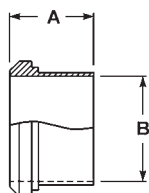


Bevel Seat Ferrules



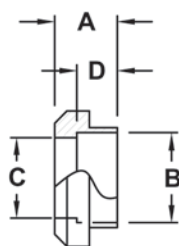
3 Short Plain Bevel Seat Weld Ferrules - 14PRF

Tube OD	A	B	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	.718	.870	14PRF-G100	14PRF-R100
1½"	.718	1.370	14PRF-G150	14PRF-R150
2"	.750	1.870	14PRF-G200	14PRF-R200
2½"	.875	2.370	14PRF-G250	14PRF-R250
3"	.906	2.870	14PRF-G300	14PRF-R300
4"	1.031	3.834	14PRF-G400	14PRF-R400



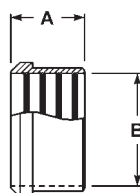
3 Long Plain Bevel Seat Weld Ferrules - 14A

Tube OD	A	B	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	1.375	.870	14A-G100	14A-R100
1½"	1.500	1.370	14A-G150	14A-R150
2"	1.500	1.870	14A-G200	14A-R200
2½"	1.750	2.370	14A-G250	14A-R250
3"	1.750	2.870	14A-G300	14A-R300
4"	1.750	3.834	14A-G400	14A-R400



Recessed Plain Bevel Seat Weld Ferrules - 14

Tube OD	A	B	C	D	304 Stainless Steel Part Number
1"	.750	1.000	.870	.500	14-G100
1½"	.875	1.500	1.370	.625	14-G150
2"	.969	2.000	1.870	.688	14-G200
2½"	1.062	2.500	2.370	.750	14-G250
3"	1.125	3.000	2.870	.813	14-G300
4"	1.250	4.000	3.834	.938	14-G400



3* Recessless Plain Bevel Seat Ferrules - 14R

- for expanding - tube must be square and flush to the end of the ferrule

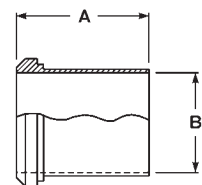
Tube OD	A	B	304 Stainless Steel Part Number
1"	.750	1.000	14R-G100
1½"	1.125	1.500	14R-G150
2"	1.312	2.000	14R-G200
2½"	1.375	2.500	14R-G250
3"	1.437	3.000	14R-G300
4"	1.500	4.000	14R-G400

* for use when modifying or repairing existing on-site farm milk handling systems

Bevel Seat Ferrules

Light Wall Tank Plain Bevel Seat Ferrules - 14WL

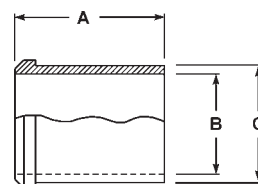
Tube OD	A	B	304 Stainless Steel Part Number
1"	2.000	.870	14WL-G100
1½"	2.250	1.370	14WL-G150
2"	2.500	1.870	14WL-G200
2½"	2.750	2.370	14WL-G250
3"	3.000	2.870	14WL-G300
4"	4.000	3.834	14WL-G400



E
Bevel Seat

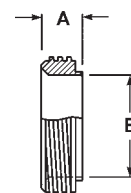
Heavy Wall Tank Plain Bevel Seat Ferrules - 14W

Tube OD	A	B	C	304 Stainless Steel Part Number
1"	2.375	.870	1.160	14W-G100
1½"	2.531	1.370	1.676	14W-G150
2"	2.781	1.870	2.192	14W-G200
2½"	3.062	2.370	2.708	14W-G250
3"	3.531	2.870	3.224	14W-G300
4"	4.312	3.834	4.256	14W-G400



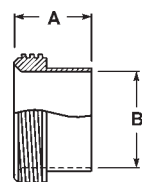
Short Threaded Bevel Seat Weld Ferrules - 15TRF

Tube OD	A	B	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	.718	.870	15TRF-G100	15TRF-R100
1½"	.718	1.370	15TRF-G150	15TRF-R150
2"	.750	1.870	15TRF-G200	15TRF-R200
2½"	.875	2.370	15TRF-G250	15TRF-R250
3"	.906	2.870	15TRF-G300	15TRF-R300
4"	1.031	3.834	15TRF-G400	15TRF-R400

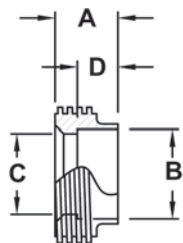


Long Threaded Bevel Seat Weld Ferrules - 15A

Tube OD	A	B	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	1.375	.870	15A-G100	15A-R100
1½"	1.500	1.370	15A-G150	15A-R150
2"	1.500	1.870	15A-G200	15A-R200
2½"	1.750	2.370	15A-G250	15A-R250
3"	1.750	2.870	15A-G300	15A-R300
4"	1.750	3.834	15A-G400	15A-R400



Bevel Seat Ferrules



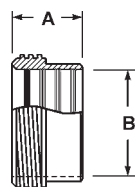
Recessed Threaded Bevel Seat Ferrules - 15

Tube OD	A	B	C	D	304 Stainless Steel Part Number
1"	.812	1.000	.870	.500	15-G100
1½"	.875	1.500	1.370	.625	15-G150
2"	1.031	2.000	1.870	.687	15-G200
2½"	1.125	2.500	2.370	.750	15-G250
3"	1.250	3.000	2.870	.812	15-G300
4"	1.375	4.000	3.834	.937	15-G400



Recessless Threaded Bevel Seat Ferrules - 15R

- for expanding - tube must be square and flush to the end of the ferrule

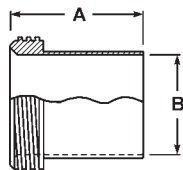


Tube OD	A	B	304 Stainless Steel Part Number
1"	.812	1.000	15R-G100
1½"	1.125	1.500	15R-G150
2"	1.375	2.000	15R-G200
2½"	1.500	2.500	15R-G250
3"	1.675	3.000	15R-G300
4"	1.675	4.000	15R-G400

* for use when modifying or repairing existing on-site farm milk handling systems



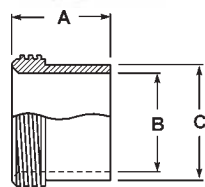
Light Wall Tank Threaded Bevel Seat Ferrules - 15WL



Tube OD	A	B	304 Stainless Steel Part Number
1"	2.000	.870	15WL-G100
1½"	2.250	1.370	15WL-G150
2"	2.500	1.870	15WL-G200
2½"	2.750	2.370	15WL-G250
3"	3.000	2.870	15WL-G300
4"	4.000	3.834	15WL-G400



Heavy Wall Tank Threaded Bevel Seat Ferrules - 15W



Tube OD	A	B	C	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	1.500	.870	1.250	15W-G100	15W-R100
1½"	1.625	1.370	1.750	15W-G150	15W-R150
2"	1.750	1.870	2.312	15W-G200	15W-R200
2½"	1.750	2.370	2.875	15W-G250	15W-R250
3"	1.812	2.870	3.375	15W-G300	15W-R300
4"	2.125	3.834	4.250	15W-G400	15W-R400

Bevel Seat End Caps

Plain Bevel Seat Solid End Caps - 16A

Tube OD	A	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	1.312	16A-G100	16A-R100
1½"	1.843	16A-G150	16A-R150
2"	2.375	16A-G200	16A-R200
2½"	2.906	16A-G250	16A-R250
3"	3.437	16A-G300	16A-R300
4"	4.500	16A-G400	16A-R400

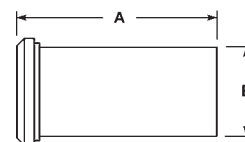


E
Bevel Seat

Bevel Seat Adapters

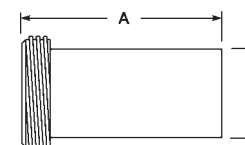
Plain Bevel Seat Tygon® Hose Adapters - 14AHT

Tube OD	A	B	304 Stainless Steel Part Number
1"	4.688	1.000	14AHT-G100
1½"	4.719	1.500	14AHT-G150
2"	4.719	2.000	14AHT-G200
2½"	4.844	2.500	14AHT-G250
3"	4.906	3.000	14AHT-G300
4"	5.218	4.000	14AHT-G400



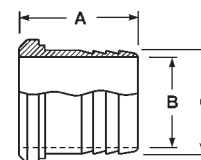
Threaded Bevel Seat Tygon® Hose Adapters - 15AHT

Tube OD	A	B	304 Stainless Steel Part Number
1"	4.500	1.000	15AHT-G100
1½"	4.500	1.500	15AHT-G150
2"	4.500	2.000	15AHT-G200
2½"	4.500	2.500	15AHT-G250
3"	4.500	3.000	15AHT-G300
4"	5.000	4.000	15AHT-G400



Plain Bevel Seat Rubber Hose Adapters - 14AHR

Tube OD	A	B	C	304 Stainless Steel Part Number
1"	1.687	.870	1.000	14AHR-G100
1½"	1.687	1.370	1.500	14AHR-G150
2"	2.312	1.870	2.000	14AHR-G200
2½"	2.343	2.370	2.500	14AHR-G250
3"	3.500	2.870	3.000	14AHR-G300
4"	4.000	3.834	4.000	14AHR-G400



Other types of bevel seat adapters are available call Dixon Sanitary for information



15AHR



21

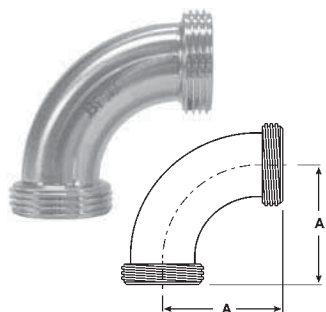


22

14-18

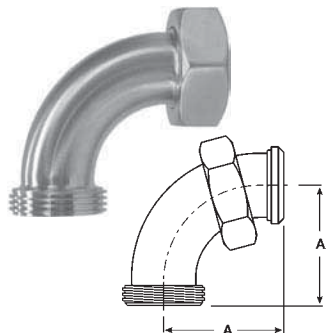
Bevel Seat Elbows

Threaded Bevel Seat x Threaded Bevel Seat 90° Elbows - B2C



Tube OD	A	304 Stainless Steel Part Number
1"	2.218	B2C-G100
1½"	2.968	B2C-G150
2"	3.750	B2C-G200
2½"	4.625	B2C-G250
3"	5.406	B2C-G300
4"	7.031	B2C-G400

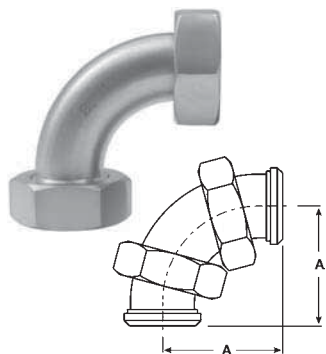
Threaded Bevel Seat x Plain Bevel Seat with Hex Nut 90° Elbows - B2F



- hex nut is CF8 (304) stainless steel

Tube OD	A	304 Stainless Steel Part Number
1"	2.218	B2F-G100
1½"	2.968	B2F-G150
2"	3.750	B2F-G200
2½"	4.625	B2F-G250
3"	5.406	B2F-G300
4"	7.031	B2F-G400

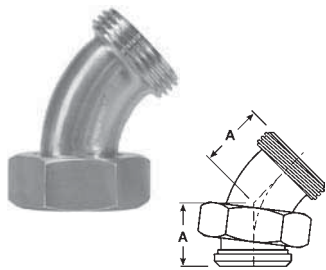
Plain Bevel Seat x Plain Bevel Seat with Hex Nut 90° Elbows - B2E



- hex nut is CF8 (304) stainless steel

Tube OD	A	304 Stainless Steel Part Number
1"	2.218	B2E-G100
1½"	2.968	B2E-G150
2"	3.750	B2E-G200
2½"	4.625	B2E-G250
3"	5.406	B2E-G300
4"	7.031	B2E-G400

Threaded Bevel Seat x Plain Bevel Seat with Hex Nut 45° Elbows - B2P



- hex nut is CF8 (304) stainless steel

Tube OD	A	304 Stainless Steel Part Number
1"	1.343	B2P-G100
1½"	1.655	B2P-G150
2"	2.000	B2P-G200
2½"	2.437	B2P-G250
3"	2.781	B2P-G300
4"	3.531	B2P-G400

Other types of bevel seat elbows are available call Dixon Sanitary for information

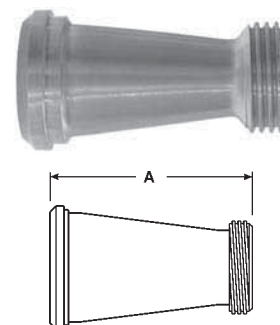


B2K

Bevel Seat Reducers

Plain Bevel Seat x Threaded Bevel Seat Concentric Reducers - B3115F

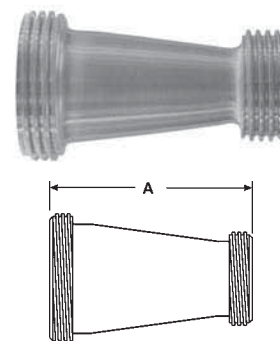
Tube OD	A	304 Stainless Steel Part Number
1½" x 1"	3.438	B3115F-G150100
2" x 1½"	3.468	B3115F-G200150
2½" x 2"	3.625	B3115F-G250200
3" x 2"	5.656	B3115F-G300200
3" x 2½"	3.781	B3115F-G300250
4" x 3"	5.937	B3115F-G400300



E
Bevel
Seat

Threaded Bevel Seat x Threaded Bevel Seat Concentric Reducers - B31TT

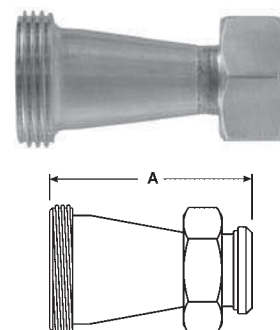
Tube OD	A	304 Stainless Steel Part Number
1½" x 1"	3.438	B31TT-G150100
2" x 1½"	3.468	B31TT-G200150
2½" x 2"	3.625	B31TT-G250200
3" x 2"	5.656	B31TT-G300200
3" x 2½"	3.781	B31TT-G300250
4" x 3"	5.937	B31TT-G400300



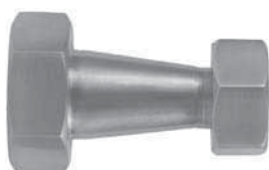
Threaded Bevel Seat x Plain Bevel Seat with Hex Nut Concentric Reducers - B31TP

- hex nut is CF8 (304) stainless steel

Tube OD	A	304 Stainless Steel Part Number
1½" x 1"	3.438	B31TP-G150100
2" x 1½"	3.468	B31TP-G200150
2½" x 2"	3.625	B31TP-G250200
3" x 2"	5.656	B31TP-G300200
3" x 2½"	3.781	B31TP-G300250
4" x 3"	5.937	B31TP-G400300



Other types of bevel seat reducers are available call Dixon Sanitary for information



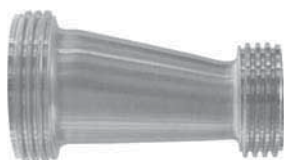
B3114F



B3215F



B3214F



B32-TT



B32-TP

Miscellaneous Bevel Seat Configurations

Other types of bevel seat configurations are available call Dixon Sanitary for information

E

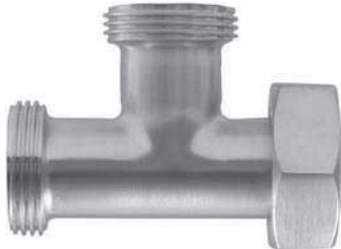
Bevel
Seat



B7



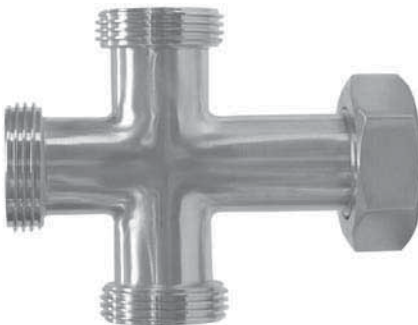
B7A



B7B



B9



B9A



B28A

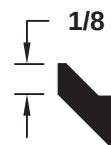


B28B

Bevel Seat Gaskets

Buna-N - Black

Size	Part Number
1"	40BS-O100
1½"	40BS-O150
2"	40BS-O200
2½"	40BS-O250
3"	40BS-O300
4"	40BS-O400



- color code: red dot
- meets 21CFR 177.2600
- refer to pages 163-165 for compatibility information

E

Bevel
Seat

Buna-N - Black Flat

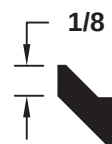
Size	Part Number
1"	40BS-F100
1½"	40BS-F150
2"	40BS-F200
2½"	40BS-F250
3"	40BS-F300
4"	40BS-F400



- color code: red dot
- refer to pages 163-165 for compatibility information

EPDM

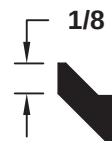
Size	Part Number
1"	40BS-E100
1½"	40BS-E150
2"	40BS-E200
2½"	40BS-E250
3"	40BS-E300
4"	40BS-E400



- color code: three green dots
- peroxide cured
- meets 21CFR 177.2600
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information

FKM (Viton®)

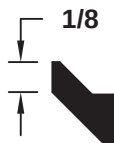
Size	Part Number
1"	40BS-Y100
1½"	40BS-Y150
2"	40BS-Y200
2½"	40BS-Y250
3"	40BS-Y300
4"	40BS-Y400



- color code: one white dot and one yellow dot
- peroxide cured
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information
- meets 21CFR 177.2600

Bevel Seat Gaskets

Silicone - White



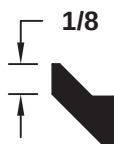
E

Bevel
Seat

- color code: no dot
- peroxide cured
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information
- meets 21CFR 177.2600

Size	Part Number
1"	40BS-X100
1½"	40BS-X150
2"	40BS-X200
2½"	40BS-X250
3"	40BS-X300
4"	40BS-X400

PTFE (Teflon®)



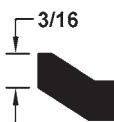
- color code: no dot
- meets 21CFR 177.1550
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information

Size	Part Number
1"	40BS-S100
1½"	40BS-S150
2"	40BS-S200
2½"	40BS-S250
3"	40BS-S300
4"	40BS-S400

CAUTION

PTFE (Teflon®) 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.

Heavy PTFE (Teflon®)



- color code: no dot
- meets 21CFR 177.1550
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information

Size	Part Number
1"	40BS-H100
1½"	40BS-H150
2"	40BS-H200
2½"	40BS-H250
3"	40BS-H300
4"	40BS-H400

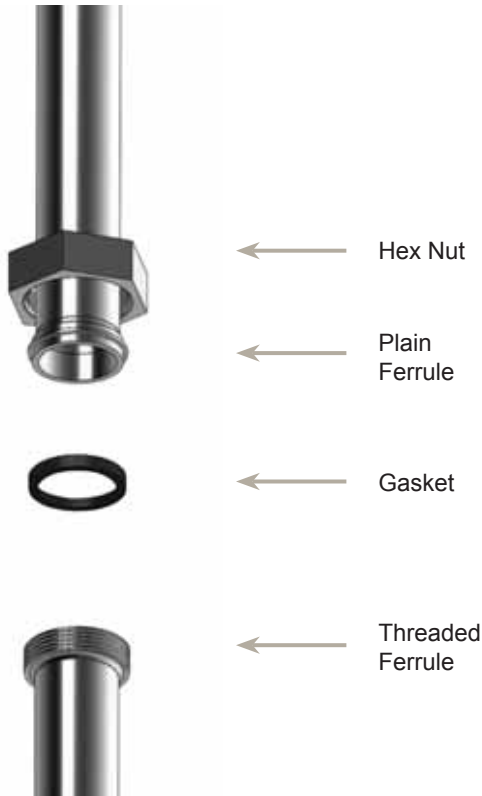
CAUTION

PTFE (Teflon®) 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.

Bradford™ John Perry Fittings

A Complete John Perry Connection

Product Specifications



Size range:

- 1" - 4" OD tube

Materials:

- G = 304 stainless steel
- R = 316L stainless steel
- other alloys are available

Finish:

- 3A sanitary finish ID and OD

F

John
Perry

Index

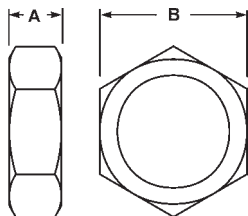
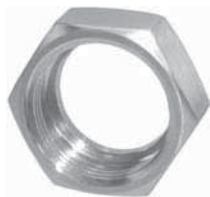
Nuts	62	Caps	64
Wrenches	62	Miscellaneous	64
Ferrules	63	Gaskets	65

John Perry Nuts

Union Hex Nuts - 13H

- 400 PSI maximum

Tube OD	A	B	304 Stainless Steel (CF8) Part Number
1"	.906	1.812	13H-G100
1½"	.968	2.406	13H-G150
2"	1.062	3.000	13H-G200
2½"	1.187	3.594	13H-G250
3"	1.281	4.188	13H-G300
4"	1.500	5.438	13H-G400

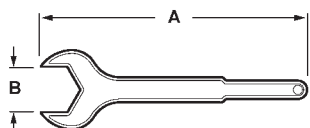


F

John
Perry

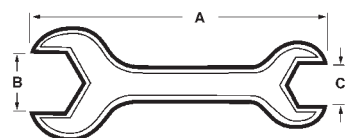
John Perry Wrenches

Single Side Hex Wrenches - 25H



Tube OD	A	B	Weight lbs.	Aluminum Part Number
1"	10.500	1.812	.64	25H-100
1½"	12.000	2.406	.86	25H-150
2"	14.000	3.000	1.76	25H-200
2½"	16.250	3.594	2.40	25H-250
3"	18.500	4.188	3.04	25H-300
4"	19.500	5.438	3.62	25H-400

Two Sided Hex Wrenches - 25H

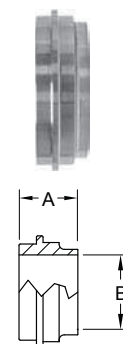


Tube OD	A	B	C	Weight lbs.	Aluminum Part Number
1½" x 1"	12.000	2.406	1.812	1.00	25H-150100
2" x 1½"	14.000	3.000	2.406	1.75	25H-200150
2½" x 2"	16.500	3.594	3.000	2.80	25H-250200
3" x 2"	18.000	4.188	3.000	3.20	25H-300200
3" x 2½"	18.000	4.188	3.594	3.70	25H-300250

John Perry Ferrules

John Perry Short Plain Weld Ferrules - 14PRFJP

Tube OD	A	B	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	.687	.870	14PRFJP-G100	14PRFJP-R100
1½"	.719	1.370	14PRFJP-G150	14PRFJP-R150
2"	.719	1.870	14PRFJP-G200	14PRFJP-R200
2½"	.844	2.370	14PRFJP-G250	14PRFJP-R250
3"	.906	2.870	14PRFJP-G300	14PRFJP-R300
4"	1.218	3.834	14PRFJP-G400	14PRFJP-R400

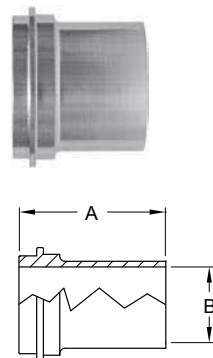


F

John Perry

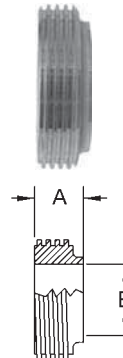
John Perry Long Plain Weld Ferrules - L14AJP

Tube OD	A	B	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	1.375	.870	L14AJP-G100	L14AJP-R100
1½"	1.500	1.370	L14AJP-G150	L14AJP-R150
2"	1.500	1.870	L14AJP-G200	L14AJP-R200
2½"	1.750	2.370	L14AJP-G250	L14AJP-R250
3"	1.750	2.870	L14AJP-G300	L14AJP-R300
4"	1.750	3.834	L14AJP-G400	L14AJP-R400



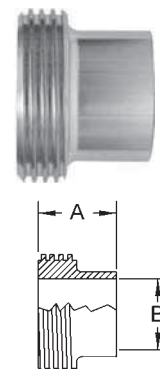
John Perry Threaded Short Weld Ferrules - 15TRFJP

Tube OD	A	B	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	.687	.870	15TRFJP-G100	15TRFJP-R100
1½"	.719	1.370	15TRFJP-G150	15TRFJP-R150
2"	.719	1.870	15TRFJP-G200	15TRFJP-R200
2½"	.844	2.370	15TRFJP-G250	15TRFJP-R250
3"	.906	2.870	15TRFJP-G300	15TRFJP-R300
4"	1.218	3.834	15TRFJP-G400	15TRFJP-R400



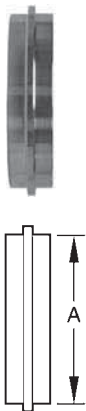
John Perry Threaded Long Weld Ferrules - L15AJP

Tube OD	A	B	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	1.375	.870	L15AJP-G100	L15AJP-R100
1½"	1.500	1.370	L15AJP-G150	L15AJP-R150
2"	1.500	1.870	L15AJP-G200	L15AJP-R200
2½"	1.750	2.370	L15AJP-G250	L15AJP-R250
3"	1.750	2.870	L15AJP-G300	L15AJP-R300
4"	1.750	3.834	L15AJP-G400	L15AJP-R400



John Perry End Caps

John Perry Solid End Caps - 16AJP



Tube OD	A	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	1.125	16AJP-G100	16AJP-R100
1½"	1.656	16AJP-G150	16AJP-R150
2"	2.187	16AJP-G200	16AJP-R200
2½"	2.656	16AJP-G250	16AJP-R250
3"	3.187	16AJP-G300	16AJP-R300
4"	4.187	16AJP-G400	16AJP-R400

Miscellaneous John Perry Configurations

Other types of john perry configurations are available call Dixon Sanitary for information



B2CJP



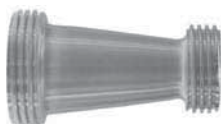
B2PJP



B2EJP



B7JP



B3115FJP



B3114FJP



B31TPJP



B7AJP



B3215FJP



B3214FJP



B32TPJP



B9JP



B9AJP



B28BJP



B28AJP

John Perry Gaskets

Buna 80 Duro

Size	Part Number
1"	40JP-U100
1½"	40JP-U150
2"	40JP-U200
2½"	40JP-U250
3"	40JP-U300
4"	40JP-U400



- color code: one red dot
- meets 21CFR 177.2600
- refer to pages 163-165 for compatibility information

F

John
Perry

EPDM

Size	Part Number
1"	40JP-E100
1½"	40JP-E150
2"	40JP-E200
2½"	40JP-E250
3"	40JP-E300
4"	40JP-E400



- color code: three green dots
- peroxide cured
- meets 21CFR 177.2600
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information

FKM (Viton®)

Size	Part Number
1"	40JP-SFY100
1½"	40JP-SFY150
2"	40JP-SFY200
2½"	40JP-SFY250
3"	40JP-SFY300
4"	40JP-SFY400



- color code: one white dot and one yellow dot
- peroxide cured
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information
- meets 21CFR 177.2600

Virgin PTFE (Teflon®)

Size	Part Number
1"	40JP-G100
1½"	40JP-G150
2"	40JP-G200
2½"	40JP-G250
3"	40JP-G300
4"	40JP-G400



- color code: no dot
- meets 21CFR 177.1550
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information

CAUTION

PTFE (Teflon®) 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.

Bradford™ I-line & Q-line Fittings

A Complete I-line Connection

Product Specifications

Size range:

- 1" - 8" tube OD I-line*
- 1" - 4" tube OD Q-line

*stock items to 4", 6" & 8" items are special order

Materials:

- G = 304 stainless steel
- R = 316L stainless steel
- other alloys are available

Finish:

- 3A sanitary finish ID and OD

← Female
Ferrule

← Clamp

← Gasket

← Male
Ferrule

G

I-Line &
Q-Line

Index

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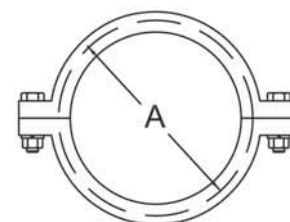
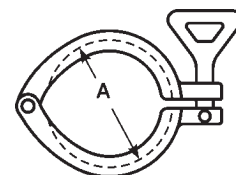
I-line/Q-line Clamps

Heavy Duty Clamps - 13ILH

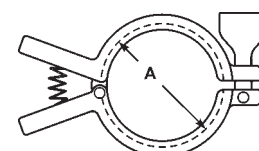
- Q-line service pressure rating for all sizes: 150 PSI @ 70°F and 125 PSI @ 250°F

Tube OD	Service Pressure Rating @ 70°F *	Service Pressure Rating @ 250°F *	A	Part Number
1" - 1½"	700	250	2.122	13ILH100-150
2"	450	250	2.654	13ILH200
2½"	450	200	3.185	13ILH250
3"	350	150	3.717	13ILH300
4"	200	125	4.820	13ILH400
6"	150	100	7.689	13ILH600
8"	125	75	9.689	13ILH800

* wing nut tightened to 25 in. lb. of torque



**2010
NEW**



Bolted Clamps - 13ILB

Tube OD	Service Pressure Rating @ 70°F *	Service Pressure Rating @ 250°F *	A	Part Number
1" - 1½"	1220	1100	2.122	13ILB100-150
2"	900	830	2.654	13ILB200
2½"	720	660	3.185	13ILB250
3"	600	550	3.717	13ILB300
4"	570	525	4.820	13ILB400

Tube OD	Service Pressure Rating @ 70°F *	Service Pressure Rating @ 250°F *	A	Part Number
6"	300	200	7.689	13ILB600
8"	250	150	9.689	13ILB800

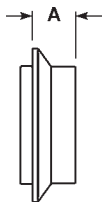
* nut tightened to 20 ft. lb. of torque

Squeeze Clamps - 13IL-Q

Tube OD	Service Pressure Rating @ 70°F *	Service Pressure Rating @ 250°F *	A	Part Number
1" - 1½"	700	250	2.122	13IL-Q100150
2"	450	250	2.654	13IL-Q200

* wing nut tightened to 25 in. lb. of torque

I-line/Q-line Ferrules



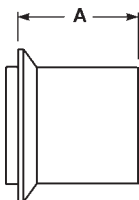
Male I-Line Short Weld Ferrules - 14WI

Tube OD	A	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	.600	14WI-G100	14WI-R100
1½"	.765	14WI-G150	14WI-R150
2"	.790	14WI-G200	14WI-R200
2½"	.848	14WI-G250	14WI-R250
3"	.906	14WI-G300	14WI-R300
4"	1.031	14WI-G400	14WI-R400
6"	.940	---	14WI-R600
8"	.940	---	14WI-R800

G

I-Line &
Q-Line

Male I-Line Long Weld Ferrules - 14WLI



Tube OD	A	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	1.562	14WLI-G100	14WLI-R100
1½"	1.843	14WLI-G150	14WLI-R150
2"	2.062	14WLI-G200	14WLI-R200
2½"	2.188	14WLI-G250	14WLI-R250
3"	2.375	14WLI-G300	14WLI-R300
4"	2.688	14WLI-G400	14WLI-R400
6"	2.688	---	14WLI-R600



Male I-Line Heavy Wall Tank Weld Ferrules - 14WHI



Tube OD	A	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	1.312	14WHI-G100	14WHI-R100
1½"	1.457	14WHI-G150	14WHI-R150
2"	1.500	14WHI-G200	14WHI-R200
2½"	1.437	14WHI-G250	14WHI-R250
3"	1.500	14WHI-G300	14WHI-R300
4"	1.812	14WHI-G400	14WHI-R400

I-line/Q-line Ferrules

Female I-Line Short Weld Ferrules - 15WI

Tube OD	A	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	.785	15WI-G100	15WI-R100
1½"	.950	15WI-G150	15WI-R150
2"	1.040	15WI-G200	15WI-R200
2½"	1.160	15WI-G250	15WI-R250
3"	1.220	15WI-G300	15WI-R300
4"	1.350	15WI-G400	15WI-R400
6"	1.125	---	15WI-R600
8"	1.125	---	15WI-R800

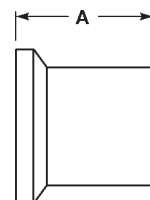


G

I-Line &
Q-Line

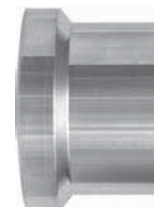
Female I-Line Long Weld Ferrules - 15WLI

Tube OD	A	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	1.750	15WLI-G100	15WLI-R100
1½"	2.031	15WLI-G150	15WLI-R150
2"	2.312	15WLI-G200	15WLI-R200
2½"	2.500	15WLI-G250	15WLI-R250
3"	2.688	15WLI-G300	15WLI-R300
4"	3.000	15WLI-G400	15WLI-R400
6"	3.000	---	15WLI-R600

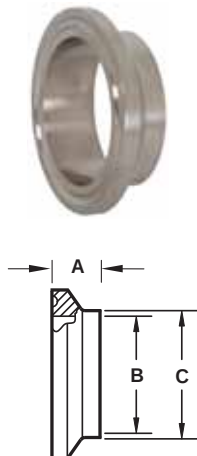


Female I-Line Heavy Wall Tank Weld Ferrules - 15WHI

Tube OD	A	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	1.500	15WHI-G100	15WHI-R100
1½"	1.625	15WHI-G150	15WHI-R150
2"	1.750	15WHI-G200	15WHI-R200
2½"	1.750	15WHI-G250	15WHI-R250
3"	1.812	15WHI-G300	15WHI-R300
4"	2.125	15WHI-G400	15WHI-R400



I-line/Q-line Ferrules



Q-line Weld Ferrules - 14WQ

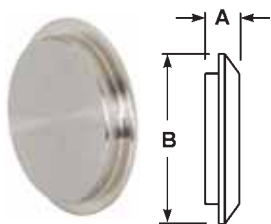
Tube OD	A	B	C	304 Stainless Steel Part Number
1"	.531	.870	1.00	14WQ-G100
1½"	.563	1.370	1.500	14WQ-G150
2"	.813	1.870	2.000	14WQ-G200
2½"	.938	2.370	2.500	14WQ-G250
3"	.938	2.870	3.000	14WQ-G300
4"	1.000	3.834	4.000	14WQ-G400

G

I-Line &
Q-Line

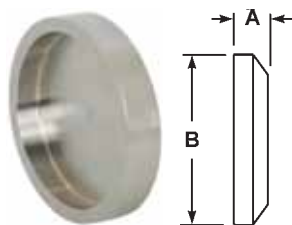
I-line/Q-line End Caps

Male I-Line Solid End Caps - 16AI-14I



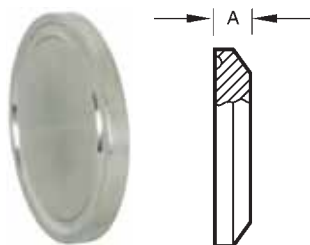
Tube OD	A	B	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	.500	1.985	16AI-14I100	16AI-14I100R
1½"	.500	1.985	16AI-14I150	16AI-14I150R
2"	.562	2.640	16AI-14I200	16AI-14I200R
2½"	.750	3.307	16AI-14I250	16AI-14I250R
3"	.750	3.870	16AI-14I300	16AI-14I300R
4"	.750	4.870	16AI-14I400	16AI-14I400R
6"	.750	7.495	16AI-14I600	16AI-14I600R
8"	.880	9.495	---	16AI-14I800R

Female I-Line Solid End Caps - 16AI-15I



Tube OD	A	B	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	.500	1.985	16AI-15I100	16AI-15I100R
1½"	.500	1.985	16AI-15I150	16AI-15I150R
2"	.562	2.640	16AI-15I200	16AI-15I200R
2½"	.750	3.307	16AI-15I250	16AI-15I250R
3"	.750	3.870	16AI-15I300	16AI-15I300R
4"	.750	4.870	16AI-15I400	16AI-15I400R
6"	.750	7.495	16AI-15I600	16AI-15I600R
8"	.880	9.495	---	16AI-15I800R

Q-Line Solid End Caps - 16AQ



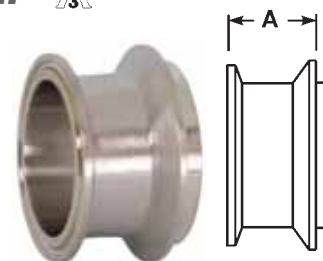
Tube OD	A	304 Stainless Steel Part Number
1"	.313	16AQ-G100
1½"	.313	16AQ-G150
2"	.438	16AQ-G200
2½"	.500	16AQ-G250
3"	.500	16AQ-G300
4"	.625	16AQ-G400

I-line/Q-line Adapters

Male I-Line x Clamp Adapters - 17-14I-14MP



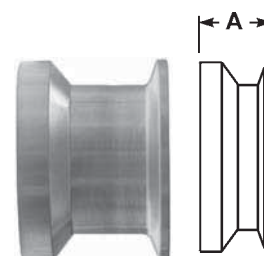
Tube OD	A	304 Stainless Steel Part Number
1"	1.093	17-14I-14MPG100
1½"	1.265	17-14I-14MPG150
2"	1.290	17-14I-14MPG200
2½"	1.312	17-14I-14MPG250
3"	1.406	17-14I-14MPG300
4"	1.656	17-14I-14MPG400



Female I-Line x Clamp Adapters - 17-15I-14MP



Tube OD	A	304 Stainless Steel Part Number
1"	1.281	17-15I-14MPG100
1½"	1.450	17-15I-14MPG150
2"	1.540	17-15I-14MPG200
2½"	1.625	17-15I-14MPG250
3"	1.718	17-15I-14MPG300
4"	1.968	17-15I-14MPG400



G

I-Line &
Q-Line

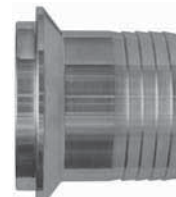
Other types of I-line adapters are available call Dixon Sanitary for information



17-14I-15



17-14I-14I



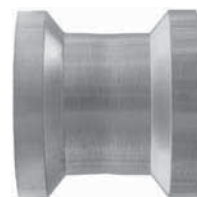
14HRI



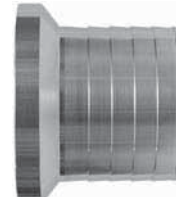
17-15I-15



17-15I-14



17-15I-15I



15HRI



17-14I-15I

I-line/Q-line Elbows



Female I-Line x Male I-Line Elbows - B2FI



Tube OD	A	B	304 Stainless Steel Part Number
1"	2.281	2.093	B2FI-G100
1½"	3.188	3.000	B2FI-G150
2"	4.031	3.781	B2FI-G200
2½"	4.906	4.593	B2FI-G250
3"	5.718	5.406	B2FI-G300
4"	7.344	7.031	B2FI-G400

G

I-Line &
Q-Line

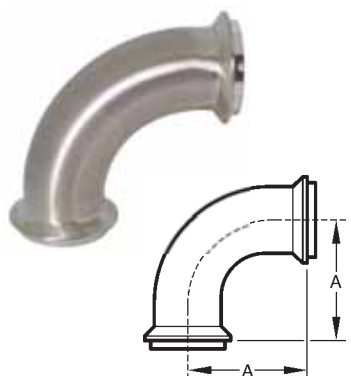
90° Female I-Line Elbows - B2CI



Tube OD	A	304 Stainless Steel Part Number
1"	2.281	B2CI-G100
1½"	3.188	B2CI-G150
2"	4.031	B2CI-G200
2½"	4.906	B2CI-G250
3"	5.718	B2CI-G300
4"	7.344	B2CI-G400



90° Male I-Line Elbows - B2EI



Tube OD	A	304 Stainless Steel Part Number
1"	2.093	B2EI-G100
1½"	3.000	B2EI-G150
2"	3.781	B2EI-G200
2½"	4.593	B2EI-G250
3"	5.406	B2EI-G300
4"	7.031	B2EI-G400

Other types of I-line elbows are available call Dixon Sanitary for information



B2HI



B2PI

B2KI

Miscellaneous I-line/Q-line Configurations

Other types of I-line configurations are available call Dixon Sanitary for information



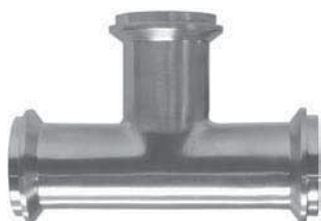
28BI



28AI



B9I



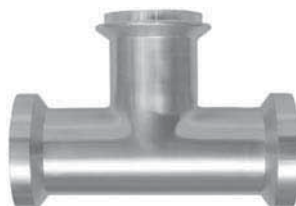
B7HI



B7I



B7EI



B7AI



B7BI



3114I14I



3114I15I



3115I14I



3115I15I



3214I14I



3214I15I



3215I14I



3215I15I

G

I-Line &
Q-Line

I-line Gaskets

Buna-N - Black 3/32"



- color code: red dot
- meets 21CFR 177.2600
- refer to pages 163-165 for compatibility information

Size	Part Number
1"	40IH100
1½"	40IH150
2"	40IH200
2½"	40IH250
3"	40IH300
4"	40IH400
6"	40IH600
8"	40IH800

G

I-Line &
Q-Line

- color code: three green dots
- peroxide cured
- meets 21CFR 177.2600
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information

EPDM - 3/32"

Size	Part Number
1"	40IE100
1½"	40IE150
2"	40IE200
2½"	40IE250
3"	40IE300
4"	40IE400
6"	40IE600
8"	40IE800



- color code: three green dots
- peroxide cured
- meets 21CFR 177.2600
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information

EPDM - 1/16"

Size	Part Number
1"	40IE10016
1½"	40IE15016
2"	40IE20016
2½"	40IE25016
3"	40IE30016
4"	40IE40016
6"	40IE60016
8"	40IE80016



- color code: one white dot and one yellow dot
- peroxide cured
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information
- meets 21CFR 177.1550

FKM (Viton®) - 1/16"

Size	Part Number
1"	40IV100
1½"	40IV150
2"	40IV200
2½"	40IV250
3"	40IV300
4"	40IV400
6"	40IV600
8"	40IV800

I-line Gaskets

Virgin PTFE (Teflon®) - 1/16"

Size	Part Number
1"	40IT100
1½"	40IT150
2"	40IT200
2½"	40IT250
3"	40IT300
4"	40IT400
6"	40IT600
8"	40IT800



- color code: no dot
- meets 21CFR 177.1550
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information

CAUTION

PTFE (Teflon®) 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.

G

I-Line &
Q-Line

Q-line Gaskets

Buna-N - Black

Size	Part Number
1"	40QH100
1½"	40QH150
2"	40QH200
2½"	40QH250
3"	40QH300
4"	40QH400



- color code: red dot
- meets 21CFR 177.2600
- refer to pages 163-165 for compatibility information

Virgin PTFE (Teflon®)

Size	Part Number
1"	40QT100
1½"	40QT150
2"	40QT200
2½"	40QT250
3"	40QT300
4"	40QT400



- color code: no dot
- meets 21CFR 177.1550
- passed U.S.P. Class VI Cytotoxicity testing
- refer to pages 163-165 for compatibility information

CAUTION

PTFE (Teflon®) 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.

Bradford™ Polished Weld Fittings

A Complete Weld Connection

Product Specifications

Size range:

- ½" - 12" OD tube

Materials:

- G = 304 stainless steel
- R = 316L stainless steel
- other alloys are available

Finish:

- 3A sanitary finish ID and OD



Weld end



Weld end

H

Polished
Fittings

Index

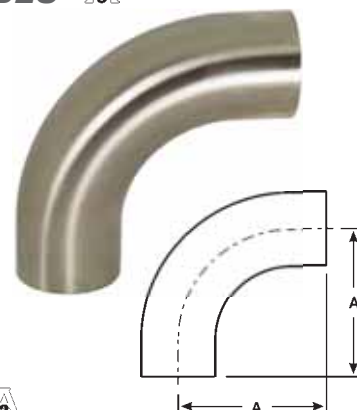
Elbows	77-78	Adapters	82
Sweep Elbows	79	Reducers	82-83
Tees	80-81	Miscellaneous	84

Weld Elbows

Polished 90° Weld Elbows with Tangents - B2S

- #3, #5 and electropolish finishes are available

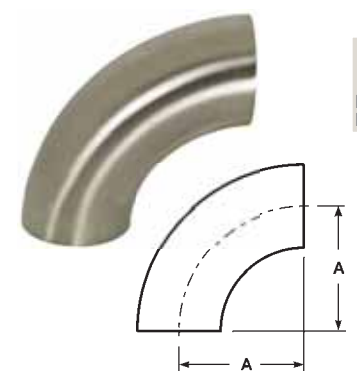
Tube OD	A	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
½"	3.000	.065	---	B2S-R50P
¾"	3.000	.065	---	B2S-R75P
1"	2.062	.065	B2S-G100P	B2S-R100P
1½"	2.937	.065	B2S-G150P	B2S-R150P
2"	4.062	.065	B2S-G200P	B2S-R200P
2½"	5.187	.065	B2S-G250P	B2S-R250P
3"	6.312	.065	B2S-G300P	B2S-R300P
4"	8.312	.083	B2S-G400P	B2S-R400P



Polished 90° Weld Elbows - B2WCL

- #3, #5 and electropolish finishes are available

Tube OD	A	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
½"	1.125	.065	---	B2WCL-R50P
¾"	1.125	.065	---	B2WCL-R75P
1"	1.500	.065	B2WCL-G100P	B2WCL-R100P
1½"	2.250	.065	B2WCL-G150P	B2WCL-R150P
2"	3.000	.065	B2WCL-G200P	B2WCL-R200P
2½"	3.750	.065	B2WCL-G250P	B2WCL-R250P
3"	4.500	.065	B2WCL-G300P	B2WCL-R300P
4"	6.000	.083	B2WCL-G400P	B2WCL-R400P
6"	9.000	.109	B2WCL-G600P	B2WCL-R600P
8"	12.000	.120	B2WCL-G800P	B2WCL-R800P
10"	15.000	.109	B2WCL-G1000P	B2WCL-R1000P

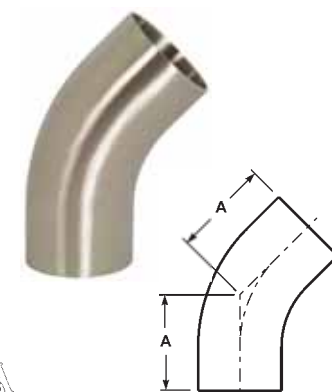


H
Polished
Fittings

Polished 45° Weld Elbows with Tangents - B2KS

- #3, #5 and electropolish finishes are available

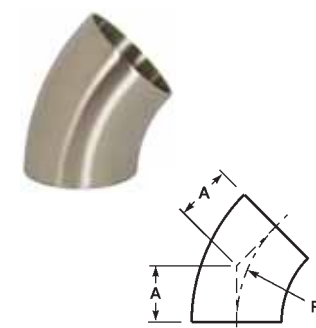
Tube OD	A	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
½"	2.250	.065	---	B2KS-R50P
¾"	2.250	.065	---	B2KS-R75P
1"	1.188	.065	B2KS-G100P	B2KS-R100P
1½"	1.625	.065	B2KS-G150P	B2KS-R150P
2"	2.312	.065	B2KS-G200P	B2KS-R200P
2½"	3.000	.065	B2KS-G250P	B2KS-R250P
3"	3.688	.065	B2KS-G300P	B2KS-R300P
4"	4.812	.083	B2KS-G400P	B2KS-R400P



Polished 45° Weld Elbows - B2WK

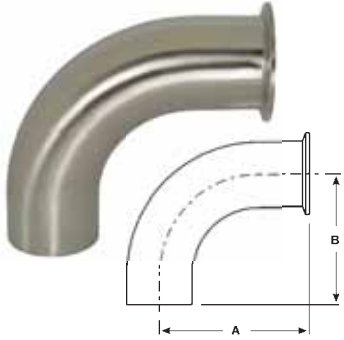
- #3, #5 and electropolish finishes are available

Tube OD	A	R	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
½"	.466	1.125	.065	---	B2WK-R50P
¾"	.466	1.125	.065	---	B2WK-R75P
1"	.625	1.500	.065	B2WK-G100P	B2WK-R100P
1½"	.937	2.250	.065	B2WK-G150P	B2WK-R150P
2"	1.250	3.000	.065	B2WK-G200P	B2WK-R200P
2½"	1.562	3.750	.065	B2WK-G250P	B2WK-R250P
3"	1.875	4.500	.065	B2WK-G300P	B2WK-R300P
4"	2.500	6.000	.083	B2WK-G400P	B2WK-R400P
6"	3.750	9.000	.109	B2WK-G600P	B2WK-R600P
8"	5.000	12.000	.120	B2WK-G800P	B2WK-R800P
10"	6.250	15.000	.109	B2WK-G1000P	B2WK-R1000P
12"	7.500	18.000	.120	B2WK-G1200P	B2WK-R1200P



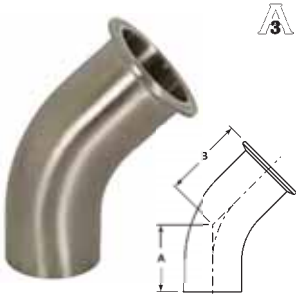
Weld Elbows

Polished 90° Clamp x Weld Elbows - B2CM



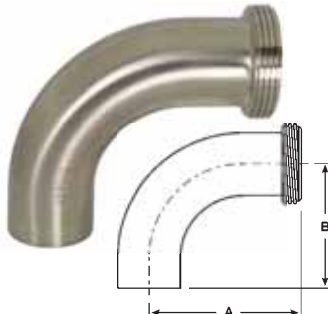
Tube OD	A	B	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	2.562	2.062	.065	B2CM-G100	B2CM-R100
1½"	3.438	2.937	.065	B2CM-G150	B2CM-R150
2"	4.562	4.062	.065	B2CM-G200	B2CM-R200
2½"	5.688	5.187	.065	B2CM-G250	B2CM-R250
3"	6.812	6.312	.065	B2CM-G300	B2CM-R300
4"	8.937	8.312	.083	B2CM-G400	B2CM-R400

Polished 45° Clamp x Weld Elbows - B2KM



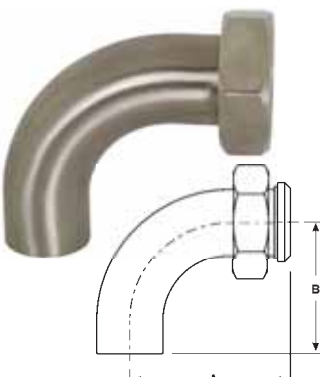
Tube OD	A	B	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	1.188	1.688	.065	B2KM-G100	B2KM-R100
1½"	1.625	2.125	.065	B2KM-G150	B2KM-R150
2"	2.312	2.812	.065	B2KM-G200	B2KM-R200
2½"	3.000	3.500	.065	B2KM-G250	B2KM-R250
3"	3.688	4.188	.065	B2KM-G300	B2KM-R300
4"	4.812	5.437	.083	B2KM-G400	B2KM-R400

Polished 90° Threaded Bevel Seat x Weld Elbows - B2T



Tube OD	A	B	Nominal Wall	304 Stainless Steel Part Number
1"	2.780	2.062	.065	B2T-G100
1½"	3.656	2.937	.065	B2T-G150
2"	4.812	4.062	.065	B2T-G200
2½"	6.062	5.187	.065	B2T-G250
3"	7.218	6.312	.065	B2T-G300
4"	9.343	8.312	.083	B2T-G400

Polished 90° Plain Bevel Seat with Hex Nut x Weld Elbows - B2FP



- hex nut is CF8 (304) stainless steel

Tube OD	A	B	Nominal Wall	304 Stainless Steel Part Number
1"	2.780	2.062	.065	B2FP-G100
1½"	3.656	2.937	.065	B2FP-G150
2"	4.812	4.062	.065	B2FP-G200
2½"	6.062	5.187	.065	B2FP-G250
3"	7.218	6.312	.065	B2FP-G300
4"	9.343	8.312	.083	B2FP-G400

Other types of weld elbows are available call Dixon Sanitary for information



B2KT

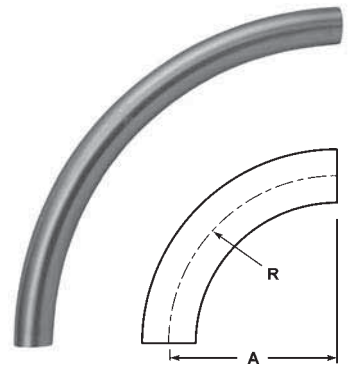
B2KP

Weld Sweep Elbows

Standard with no tangents. Call Dixon Sanitary for tangents, 45° and other radii.

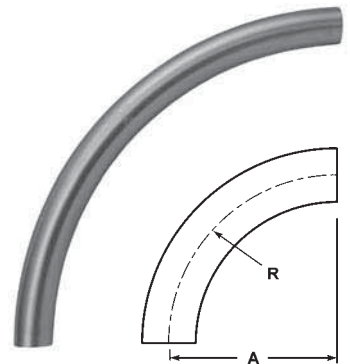
12" 90° Weld Sweep Elbows - B2SXL

Tube OD	A	R	316L Stainless Steel Part Number
1½"	12.00	12.00	B2SXL12-R150
2"	12.00	12.00	B2SXL12-R200
3"	12.00	12.00	B2SXL12-R300
4"	12.00	12.00	B2SXL12-R400



18" 90° Weld Sweep Elbows - B2SXL

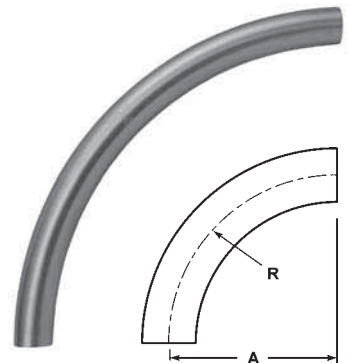
Tube OD	A	R	316L Stainless Steel Part Number
1½"	18.00	18.00	B2SXL18-R150
2"	18.00	18.00	B2SXL18-R200
2½"	18.00	18.00	B2SXL18-R250
3"	18.00	18.00	B2SXL18-R300



H
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Fittings

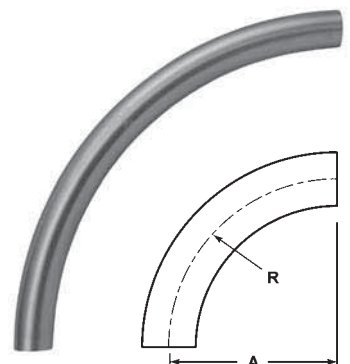
24" 90° Weld Sweep Elbows - B2SXL

Tube OD	A	R	316L Stainless Steel Part Number
1½"	24.00	24.00	B2SXL24-R150
2"	24.00	24.00	B2SXL24-R200
2½"	24.00	24.00	B2SXL24-R250
3"	24.00	24.00	B2SXL24-R300

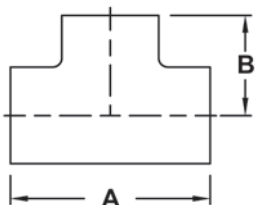


36" 90° Weld Sweep Elbows - B2SXL

Tube OD	A	R	316L Stainless Steel Part Number
3"	36.00	36.00	B2SXL36-R300
4"	36.00	36.00	B2SXL36-R400



Weld Tees



Polished Short Weld Tees - B7WWW

- #3, #5 and electropolish finishes are available

Tube OD	A	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	2.250	1.125	B7WWW-G100P	B7WWW-R100P
1½"	3.312	1.656	B7WWW-G150P	B7WWW-R150P
2"	4.124	2.062	B7WWW-G200P	B7WWW-R200P
2½"	4.688	2.344	B7WWW-G250P	B7WWW-R250P
3"	5.188	2.594	B7WWW-G300P	B7WWW-R300P
4"	6.876	3.438	B7WWW-G400P	B7WWW-R400P



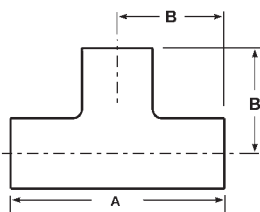
Polished Long Weld Tees - B7W

- #3, #5 and electropolish finishes are available

Tube OD	A	B	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
½"	3.750	1.875	.065	---	B7W-R50P
¾"	4.000	2.000	.065	---	B7W-R75P
1"	3.750	1.875	.065	B7W-G100P	B7W-R100P
1½"	4.500	2.250	.065	B7W-G150P	B7W-R150P
2"	6.000	3.000	.065	B7W-G200P	B7W-R200P
2½"	6.000	3.000	.065	B7W-G250P	B7W-R250P
3"	6.500	3.250	.065	B7W-G300P	B7W-R300P
4"	7.750	3.875	.083	B7W-G400P	B7W-R400P
6"	11.250	5.625	.109	B7W-G600P	B7W-R600P
8"	14.000	7.000	.120	B7W-G800P	B7W-R800P

H

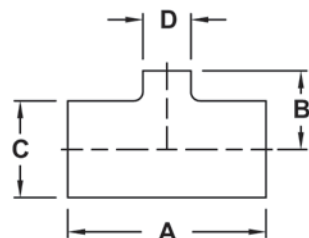
Polished Fittings



Polished Reducing Weld Tees - B7RWWW

- #3, #5 and electropolish finishes are available

Tube OD	A	B	C	D	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
¾" x ½"	4.000	2.000	.750	.500	.065	---	B7RWWW-R7550P
1" x ½"	4.250	2.125	1.000	.500	.065	---	B7RWWW-R10050P
1" x ¾"	4.250	2.125	1.000	.750	.065	---	B7RWWW-R10075P
1½" x ½"	4.750	2.375	1.500	.500	.065	---	B7RWWW-R15050P
1½" x ¾"	4.750	2.375	1.500	.750	.065	---	B7RWWW-R15075P
1½" x 1"	3.312	1.375	1.500	1.000	.065	B7RWWW-G150100P	B7RWWW-R150100P
2" x ½"	5.750	2.625	2.000	.500	.065	---	B7RWWW-R20050P
2" x ¾"	5.750	2.625	2.000	.750	.065	---	B7RWWW-R20075P
2" x 1"	4.124	1.625	2.000	1.000	.065	B7RWWW-G200100P	B7RWWW-R200100P
2" x 1½"	4.124	1.906	2.000	1.500	.065	B7RWWW-G200150P	B7RWWW-R200150P
2½" x 1½"	4.688	2.156	2.500	1.500	.065	B7RWWW-G250150P	B7RWWW-R250150P
2½" x 2"	4.688	2.312	2.500	2.000	.065	B7RWWW-G250200P	B7RWWW-R250200P
3" x 1½"	5.188	2.406	3.000	1.500	.065	B7RWWW-G300150P	B7RWWW-R300150P
3" x 2"	5.188	2.562	3.000	2.000	.065	B7RWWW-G300200P	B7RWWW-R300200P
3" x 2½"	5.188	2.594	3.000	2.500	.083	B7RWWW-G300250P	B7RWWW-R300250P
4" x 1½"	6.876	2.906	4.000	1.500	.083	B7RWWW-G400150P	B7RWWW-R400150P
4" x 2"	6.876	3.062	4.000	2.000	.083	B7RWWW-G400200P	B7RWWW-R400200P
4" x 2½"	6.876	3.094	4.000	2.500	.083	B7RWWW-G400250P	B7RWWW-R400250P
4" x 3"	6.876	3.094	4.000	3.000	.083	B7RWWW-G400300P	B7RWWW-R400300P
6" x 2"	11.250	4.500	6.000	2.000	.109	B7RWWW-G600200P	B7RWWW-R600200P
6" x 3"	11.250	4.875	6.000	3.000	.109	B7RWWW-G600300P	B7RWWW-R600300P
6" x 4"	11.250	5.125	6.000	4.000	.109	B7RWWW-G600400P	B7RWWW-R600400P

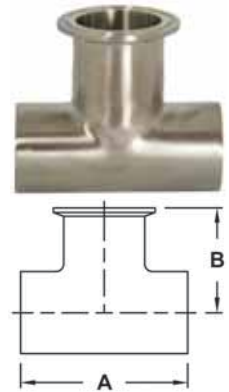


Weld Tees

Polished Weld Run x Clamp Branch Tees - B7WWM

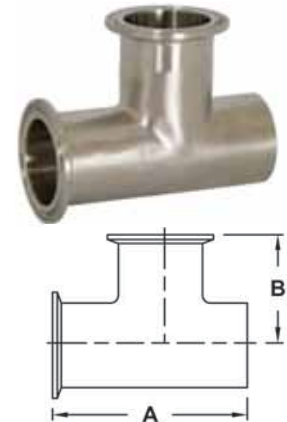
Tube OD	A	B	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	2.250	1.625	.065	B7WWM-G100	B7WWM-R100
1½"	3.312	2.156	.065	B7WWM-G150	B7WWM-R150
2"	4.124	2.562	.065	B7WWM-G200	B7WWM-R200
2½"	4.688	2.844	.065	B7WWM-G250	B7WWM-R250
3"	5.188	3.094	.065	B7WWM-G300	B7WWM-R300
4"	6.876	4.063	.083	B7WWM-G400	B7WWM-R400

2010
NEW



Polished Weld x Clamp Run x Clamp Branch Tees - B7WMM

Tube OD	A	B	Nominal Wall	304 Stainless Steel Part Number
1"	2.750	1.625	.065	B7WMM-G100
1½"	3.812	2.156	.065	B7WMM-G150
2"	4.624	2.562	.065	B7WMM-G200
2½"	5.188	2.844	.065	B7WMM-G250
3"	5.688	3.094	.065	B7WMM-G300
4"	7.500	4.063	.065	B7WMM-G400

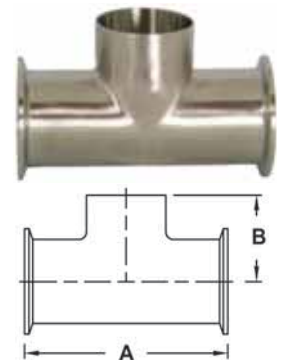


H

Polished
Fittings

Polished Clamp Run x Weld Branch Tees - B7MMW

Tube OD	A	B	Nominal Wall	304 Stainless Steel Part Number
1"	3.250	1.125	.065	B7MMW-G100
1½"	4.312	1.656	.065	B7MMW-G150
2"	5.124	2.062	.065	B7MMW-G200
2½"	5.688	2.062	.065	B7MMW-G250
3"	6.188	2.594	.065	B7MMW-G300
4"	8.124	3.438	.065	B7MMW-G400



Other types of weld tees are available call Dixon Sanitary for information



B7WWT



B7WTT



B7TTW



B7WTW



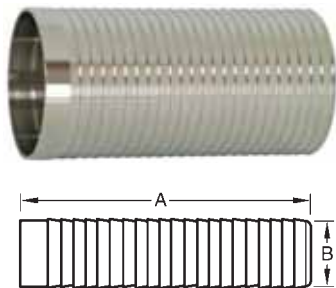
B7MMW

B7RWWWS

Weld Adapters

Long Weld Hose Adapters - 14WHRL

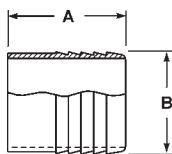
- suitable for band clamps



Tube OD	A	B	Nominal Wall	316L Stainless Steel Part Number
1"	3.000	1.030	.116	14WHRL-R100
1½"	4.500	1.530	.116	14WHRL-R150
2"	4.500	2.030	.116	14WHRL-R200
2½"	5.000	2.530	.116	14WHRL-R250
3"	5.000	3.030	.116	14WHRL-R300
4"	4.875	4.030	.116	14WHRL-R400

Weld Hose Adapters - 14WHR

Tube OD	A	B	Nominal Wall	316L Stainless Steel Part Number
½"	1.500	.500	.065	14WHR-R50
¾"	1.500	.750	.065	14WHR-R75
1"	1.688	1.000	.065	14WHR-R100
1½"	1.688	1.500	.065	14WHR-R150
2"	2.312	2.000	.065	14WHR-R200
2½"	2.000	2.500	.065	14WHR-R250
3"	3.093	3.000	.065	14WHR-R300
4"	3.406	4.000	.083	14WHR-R400

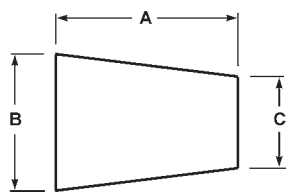


Weld Reducers



Polished Concentric Weld Reducers - B31W

- #3, #5 and electropolish finishes are available



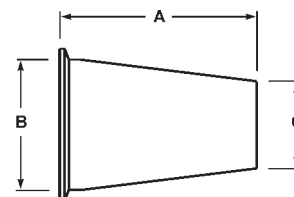
Tube OD	A	B	C	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
¾" x ½"	1.000	.750	.500	.065	---	B31W-R7550P
1" x ½"	2.000	1.000	.500	.065	---	B31W-R10050P
1" x ¾"	1.000	1.000	.750	.065	---	B31W-R10075P
1½" x ½"	4.000	1.500	.500	.065	---	B31W-R15050P
1½" x ¾"	3.000	1.500	.750	.065	---	B31W-R15075P
1½" x 1"	2.000	1.500	1.000	.065	B31W-G150100P	B31W-R150100P
2" x ½"	6.000	2.000	.500	.065	---	B31W-R20050P
2" x ¾"	5.000	2.000	.750	.065	---	B31W-R20075P
2" x 1"	4.000	2.000	1.000	.065	B31W-G200100P	B31W-R200100P
2" x 1½"	2.000	2.000	1.500	.065	B31W-G200150P	B31W-R200150P
2½" x 1½"	4.000	2.500	1.500	.065	B31W-G250150P	B31W-R250150P
2½" x 2"	2.000	2.500	2.000	.065	B31W-G250200P	B31W-R250200P
3" x 1"	8.000	3.000	1.000	.065	B31W-G300100P	B31W-R300100P
3" x 1½"	6.000	3.000	1.500	.065	B31W-G300150P	B31W-R300150P
3" x 2"	4.000	3.000	2.000	.065	B31W-G300200P	B31W-R300200P
3" x 2½"	2.000	3.000	2.500	.065	B31W-G300250P	B31W-R300250P
4" x 1½"	10.000	4.000	1.500	.083	B31W-G400150P	B31W-R400150P
4" x 2"	8.000	4.000	2.000	.083	B31W-G400200P	B31W-R400200P
4" x 2½"	6.000	4.000	2.500	.083	B31W-G400250P	B31W-R400250P
4" x 3"	4.000	4.000	3.000	.083	B31W-G400300P	B31W-R400300P
6" x 2"	5.500	6.000	2.000	.109	B31W-G600200P	B31W-R600200P
6" x 3"	5.500	6.000	3.000	.109	B31W-G600300P	B31W-R600300P
6" x 4"	5.500	6.000	4.000	.109	B31W-G600400P	B31W-R600400P
8" x 4"	6.000	8.000	4.000	.120	B31W-G800400P	B31W-R800400P
8" x 6"	6.000	8.000	6.000	.120	B31W-G800600P	B31W-R800600P

Weld Reducers

Polished Concentric Clamp x Weld Reducers - B31M

- #3, #5 and electropolish finishes are available

Tube OD	A	B	C	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
3/4" x 1/2"	1.500	.750	.500	.065	---	B31M-R7550
1" x 1/2"	2.500	1.000	.500	.065	---	B31M-R10050
1" x 3/4"	1.500	1.000	.750	.065	---	B31M-R10075
1 1/2" x 1/2"	4.500	1.500	.500	.065	---	B31M-R15050
1 1/2" x 3/4"	1.500	1.000	.750	.065	---	B31M-R15075
1 1/2" x 1"	2.500	1.500	1.000	.065	B31M-G150100	B31M-R150100
2" x 1"	4.500	2.000	1.000	.065	B31M-G200100	B31M-R200100
2" x 1 1/2"	2.500	2.000	1.500	.065	B31M-G200150	B31M-R200150
2 1/2" x 1 1/2"	4.500	2.500	1.500	.065	B31M-G250150	B31M-R250150
2 1/2" x 2"	2.500	2.500	2.000	.065	B31M-G250200	B31M-R250200
3" x 1 1/2"	6.500	3.000	1.500	.065	B31M-G300150	B31M-R300150
3" x 2"	4.500	3.000	2.000	.065	B31M-G300200	B31M-R300200
3" x 2 1/2"	2.500	3.000	2.500	.065	B31M-G300250	B31M-R300250
4" x 2"	8.625	4.000	2.000	.083	B31M-G400200	B31M-R400200
4" x 2 1/2"	6.625	4.000	2.500	.083	B31M-G400250	B31M-R400250
4" x 3"	4.625	4.000	3.000	.083	B31M-G400300	B31M-R400300



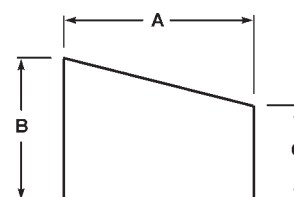
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Polished
Fittings

Polished Eccentric Weld Reducers - B32W

- #3, #5 and electropolish finishes are available

Tube OD	A	B	C	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
3/4" x 1/2"	1.000	.750	.500	.065	---	B32W-R7550P
1" x 1/2"	2.000	1.000	.500	.065	---	B32W-R10050P
1" x 3/4"	1.000	1.000	.750	.065	---	B32W-R10075P
1 1/2" x 1/2"	4.000	1.500	.500	.065	---	B32W-R15050P
1 1/2" x 3/4"	3.000	1.500	.750	.065	---	B32W-R15075P
1 1/2" x 1"	2.000	1.500	1.000	.065	B32W-G150100P	B32W-R150100P
2" x 1"	6.000	2.000	.500	.065	---	B32W-R20050P
2" x 3/4"	5.000	2.000	.750	.065	---	B32W-R20075P
2" x 1"	4.000	2.000	1.000	.065	B32W-G200100P	B32W-R200100P
2" x 1 1/2"	2.000	2.000	1.500	.065	B32W-G200150P	B32W-R200150P
2 1/2" x 1 1/2"	4.000	2.500	1.500	.065	B32W-G250150P	B32W-R250150P
2 1/2" x 2"	2.000	2.500	2.000	.065	B32W-G250200P	B32W-R250200P
3" x 1"	8.000	3.000	1.000	.065	B32W-G300100P	B32W-R300100P
3" x 1 1/2"	6.000	3.000	1.500	.065	B32W-G300150P	B32W-R300150P
3" x 2"	4.000	3.000	2.000	.065	B32W-G300200P	B32W-R300200P
3" x 2 1/2"	2.000	3.000	2.500	.065	B32W-G300250P	B32W-R300250P
4" x 1 1/2"	10.000	4.000	1.500	.083	B32W-G400150P	B32W-R400150P
4" x 2"	8.000	4.000	2.000	.083	B32W-G400200P	B32W-R400200P
4" x 2 1/2"	6.000	4.000	2.500	.083	B32W-G400250P	B32W-R400250P
4" x 3"	4.000	4.000	3.000	.083	B32W-G400300P	B32W-R400300P
6" x 3"	5.500	6.000	3.000	.109	B32W-G600300P	B32W-R600300P
6" x 4"	5.500	6.000	4.000	.109	B32W-G600400P	B32W-R600400P
8" x 4"	6.000	8.000	4.000	.120	B32W-G800400P	B32W-R800400P
8" x 6"	6.000	8.000	6.000	.120	B32W-G800600P	B32W-R800600P



Other types of weld reducers are available call Dixon Sanitary for information



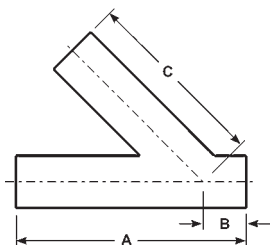
B31P

B32M



B32P

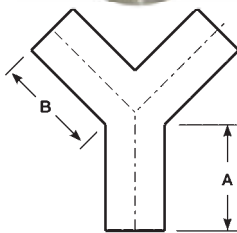
Miscellaneous Weld Configurations



Polished Weld Laterals - B28WA

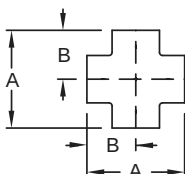
Tube OD	A	B	C	Nominal Wall	316L Stainless Steel Part Number
1"	6.000	1.000	5.000	.065	B28WA-R100P
1½"	7.375	1.188	6.188	.065	B28WA-R150P
2"	8.750	1.625	7.125	.065	B28WA-R200P
2½"	10.000	1.500	8.500	.065	B28WA-R250P
3"	10.750	1.875	8.875	.065	B28WA-R300P
4"	12.812	2.015	10.750	.083	B28WA-R400P
6"	18.000	3.500	14.500	.109	B28WA-R600P

H

Polished
Fittings

Polished Weld True Y - B28W

Tube OD	A	B	Nominal Wall	316L Stainless Steel Part Number
1"	2.000	2.438	.065	B28W-R100P
1½"	2.000	2.438	.065	B28W-R150P
2"	2.625	3.250	.065	B28W-R200P
2½"	3.370	4.125	.065	B28W-R250P
3"	4.000	4.875	.065	B28W-R300P
4"	5.375	5.375	.083	B28W-R400P

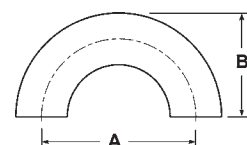


Polished Weld Cross - B9WWWW

Tube OD	A	B	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	2.250	1.125	.065	B9WWWW-G100P	B9WWWW-R100P
1½"	3.312	1.656	.065	B9WWWW-G150P	B9WWWW-R150P
2"	4.125	2.062	.065	B9WWWW-G200P	B9WWWW-R200P
2½"	4.687	2.343	.065	B9WWWW-G250P	B9WWWW-R250P
3"	5.187	2.593	.065	B9WWWW-G300P	B9WWWW-R300P
4"	6.875	3.437	.083	B9WWWW-G400P	B9WWWW-R400P

Polished Weld 180° Return Bends - B2WUL

- bends are 1.5 x tube diameter



Tube OD	A	B	316L Stainless Steel Part Number
1"	3.000	2.000	B2WUL-R100P
1½"	4.500	3.000	B2WUL-R150P
2"	6.000	4.000	B2WUL-R200P
2½"	7.500	5.000	B2WUL-R250P
3"	9.000	6.000	B2WUL-R300P
4"	12.000	8.000	B2WUL-R400P

Bradford™ Unpolished Weld Fittings

A Complete Weld Connection



← Weld end



← Weld end

Product Specifications

Size range:

- ½" - 12" OD tube

Materials:

- G = 304 stainless steel
- R = 316L stainless steel
- other alloys are available

Finish:

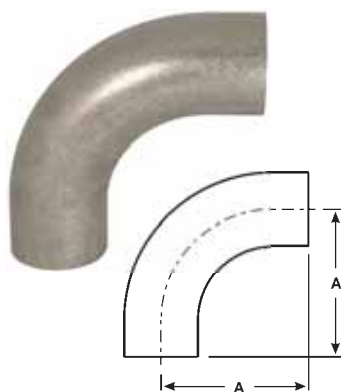
- unpolished

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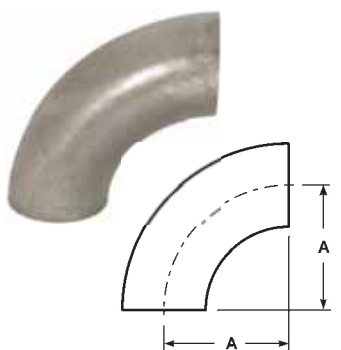
Unpolished Elbows

Unpolished 90° Weld Elbows with Tangents - B2S



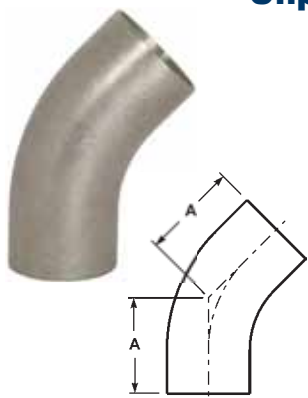
Tube OD	A	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1/2"	3.000	.065	---	B2S-R50U
3/4"	3.000	.065	---	B2S-R75U
1"	2.062	.065	B2S-G100U	B2S-R100U
1 1/2"	2.937	.065	B2S-G150U	B2S-R150U
2"	4.062	.065	B2S-G200U	B2S-R200U
2 1/2"	5.187	.065	B2S-G250U	B2S-R250U
3"	6.312	.065	B2S-G300U	B2S-R300U
4"	8.312	.083	B2S-G400U	B2S-R400U

Unpolished 90° Weld Elbows - B2WCL



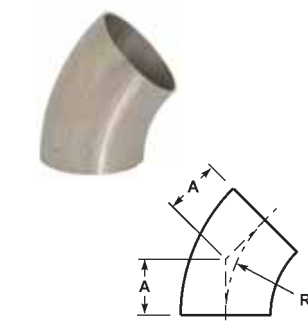
Tube OD	A	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1/2"	1.125	.065	---	B2WCL-R50U
3/4"	1.125	.065	---	B2WCL-R75U
1"	1.500	.065	B2WCL-G100U	B2WCL-R100U
1 1/2"	2.250	.065	B2WCL-G150U	B2WCL-R150U
2"	3.000	.065	B2WCL-G200U	B2WCL-R200U
2 1/2"	3.750	.065	B2WCL-G250U	B2WCL-R250U
3"	4.500	.065	B2WCL-G300U	B2WCL-R300U
4"	6.000	.083	B2WCL-G400U	B2WCL-R400U
6"	9.000	.109	B2WCL-G600U	B2WCL-R600U
8"	12.000	.120	B2WCL-G800U	B2WCL-R800U
10"	15.000	.109	B2WCL-G1000U	B2WCL-R1000U
12"	18.000	.120	B2WCL-G1200U	B2WCL-R1200U

Unpolished 45° Weld Elbows with Tangents - B2KS



Tube OD	A	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1/2"	2.250	.065	---	B2KS-R50U
3/4"	2.250	.065	---	B2KS-R75U
1"	1.188	.065	B2KS-G100U	B2KS-R100U
1 1/2"	1.625	.065	B2KS-G150U	B2KS-R150U
2"	2.312	.065	B2KS-G200U	B2KS-R200U
2 1/2"	3.000	.065	B2KS-G250U	B2KS-R250U
3"	3.688	.065	B2KS-G300U	B2KS-R300U
4"	4.812	.083	B2KS-G400U	B2KS-R400U

Unpolished 45° Weld Elbows - B2WK

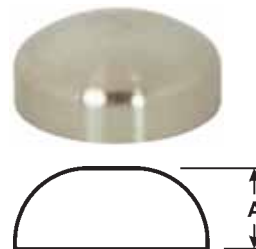


Tube OD	A	R	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1/2"	.466	1.125	.065	---	B2WK-R50U
3/4"	.466	1.125	.065	---	B2WK-R75U
1"	.625	1.500	.065	B2WK-G100U	B2WK-R100U
1 1/2"	.937	2.250	.065	B2WK-G150U	B2WK-R150U
2"	1.250	3.000	.065	B2WK-G200U	B2WK-R200U
2 1/2"	1.562	3.750	.065	B2WK-G250U	B2WK-R250U
3"	1.875	4.500	.065	B2WK-G300U	B2WK-R300U
4"	2.500	6.000	.083	B2WK-G400U	B2WK-R400U
6"	3.750	9.000	.109	B2WK-G600U	B2WK-R600U
8"	5.000	12.000	.120	B2WK-G800U	B2WK-R800U
10"	6.250	15.000	.109	B2WK-G1000U	B2WK-R1000U
12"	7.500	18.000	.120	B2WK-G1200U	B2WK-R1200U

Unpolished End Caps

Unpolished End Caps - B16W

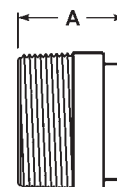
Tube OD	A	304 Stainless Steel Part Number	316L Stainless Steel Part Number
½"	.250	---	B16W-R50
¾"	.312	---	B16W-R75
1"	.375	B16W-G100	B16W-R100
1½"	.562	B16W-G150	B16W-R150
2"	.750	B16W-G200	B16W-R200
2½"	1.000	B16W-G250	B16W-R250
3"	1.250	B16W-G300	B16W-R300
4"	1.500	B16W-G400	B16W-R400
6"	1.875	B16W-G600	B16W-R600
8"	2.500	B16W-G800	B16W-R800



Unpolished Adapters

Male NPT x Weld End Adapters - B19WB

Tube OD	A	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
½"	1.625	.065	---	B19WB-R50
¾"	1.625	.065	---	B19WB-R75
1"	1.750	.065	B19WB-G100	B19WB-R100
1½"	1.750	.065	B19WB-G150	B19WB-R150
2"	1.812	.065	B19WB-G200	B19WB-R200
2½"	2.312	.065	B19WB-G250	B19WB-R250
3"	2.500	.065	B19WB-G300	B19WB-R300
4"	2.562	.083	B19WB-G400	B19WB-R400



I
Unpolished
Fittings

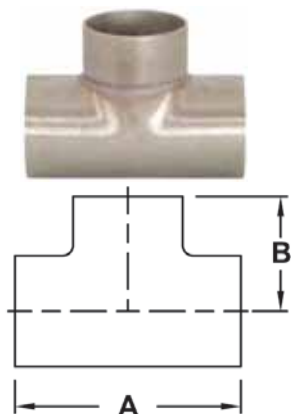
Female NPT x Weld End Adapters - B22WB

Tube OD	A	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
½"	1.250	.065	---	B22WB-R50
¾"	1.625	.065	---	B22WB-R75
1"	1.750	.065	B22WB-G100	B22WB-R100
1½"	1.750	.065	B22WB-G150	B22WB-R150
2"	1.812	.065	B22WB-G200	B22WB-R200
2½"	2.312	.065	B22WB-G250	B22WB-R250
3"	2.500	.065	B22WB-G300	B22WB-R300
4"	2.500	.083	B22WB-G400	B22WB-R400



Unpolished Tees

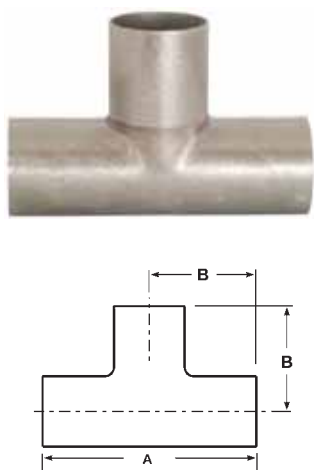
Unpolished Short Weld Tees - B7WWW



Tube OD	A	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	2.250	1.125	B7WWW-G100U	B7WWW-R100U
1½"	3.312	1.656	B7WWW-G150U	B7WWW-R150U
2"	4.124	2.062	B7WWW-G200U	B7WWW-R200U
2½"	4.688	2.344	B7WWW-G250U	B7WWW-R250U
3"	5.188	2.594	B7WWW-G300U	B7WWW-R300U
4"	6.876	3.438	B7WWW-G400U	B7WWW-R400U

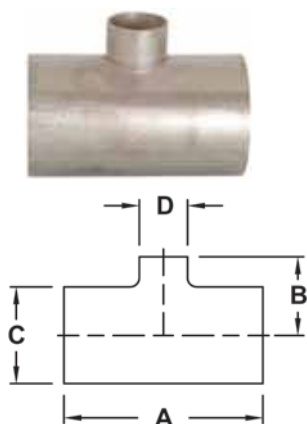
Unpolished Long Weld Tees - B7W

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Unpolished
Fittings



Tube OD	A	B	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
½"	3.750	1.875	.065	---	B7W-R50U
¾"	4.000	2.000	.065	---	B7W-R75U
1"	3.750	1.875	.065	B7W-G100U	B7W-R100U
1½"	4.500	2.250	.065	B7W-G150U	B7W-R150U
2"	6.000	3.000	.065	B7W-G200U	B7W-R200U
2½"	6.000	3.000	.065	B7W-G250U	B7W-R250U
3"	6.500	3.250	.065	B7W-G300U	B7W-R300U
4"	7.750	3.875	.083	B7W-G400U	B7W-R400U
6"	11.250	5.625	.109	B7W-G600U	B7W-R600U
8"	14.000	7.000	.120	B7W-G800U	B7W-R800U

Unpolished Reducing Weld Tees - B7RWWW

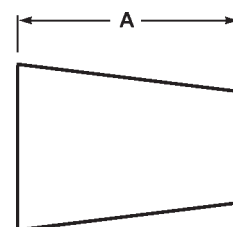


Tube OD	A	B	C	D	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1½" x ¾"	4.750	2.375	1.500	.750	.065	---	B7RWWW-R15075U
1½" x 1"	3.312	1.375	1.500	1.000	.065	B7RWWW-G150100U	B7RWWW-R150100U
2" x ½"	5.750	2.625	2.000	.500	.065	---	B7RWWW-R20050U
2" x ¾"	5.750	2.625	2.000	.750	.065	---	B7RWWW-R20075U
2" x 1"	4.124	1.625	2.000	1.000	.065	B7RWWW-G200100U	B7RWWW-R200100U
2" x 1½"	4.124	1.906	2.000	1.500	.065	B7RWWW-G200150U	B7RWWW-R200150U
2½" x 1½"	4.688	2.156	2.500	1.500	.065	B7RWWW-G250150U	B7RWWW-R250150U
2½" x 2"	4.688	2.312	2.500	2.000	.065	B7RWWW-G250200U	B7RWWW-R250200U
3" x 1½"	5.188	2.406	3.000	1.500	.065	B7RWWW-G300150U	B7RWWW-R300150U
3" x 2"	5.188	2.562	3.000	2.000	.065	B7RWWW-G300200U	B7RWWW-R300200U
3" x 2½"	5.188	2.594	3.000	2.500	.065	B7RWWW-G300250U	B7RWWW-R300250U
4" x 1½"	6.876	2.906	4.000	1.500	.083	B7RWWW-G400150U	B7RWWW-R400150U
4" x 2"	6.876	3.062	4.000	2.000	.083	B7RWWW-G400200U	B7RWWW-R400200U
4" x 2½"	6.876	3.094	4.000	2.500	.083	B7RWWW-G400250U	B7RWWW-R400250U
4" x 3"	6.876	3.094	4.000	3.000	.083	B7RWWW-G400300U	B7RWWW-R400300U

Unpolished Reducers

Unpolished Concentric Weld Reducers - B31W

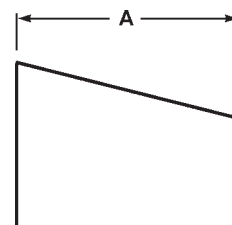
Tube OD	A	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
3/4" x 1/2"	1.000	.065	---	B31W-R7550U
1" x 3/4"	1.000	.065	---	B31W-R10075U
1 1/2" x 1/2"	4.000	.065	---	B31W-R15050U
1 1/2" x 3/4"	3.000	.065	---	B31W-R15075U
1 1/2" x 1"	2.000	.065	B31W-G150100U	B31W-R150100U
2" x 3/4"	5.000	.065	---	B31W-R20075U
2" x 1"	4.000	.065	B31W-G200100U	B31W-R200100U
2" x 1 1/2"	2.000	.065	B31W-G200150U	B31W-R200150U
2 1/2" x 1 1/2"	4.000	.065	B31W-G250150U	B31W-R250150U
2 1/2" x 2"	2.000	.065	B31W-G250200U	B31W-R250200U
3" x 1"	8.000	.065	B31W-G300100U	B31W-R300100U
3" x 1 1/2"	6.000	.065	B31W-G300150U	B31W-R300150U
3" x 2"	4.000	.065	B31W-G300200U	B31W-R300200U
3" x 2 1/2"	2.000	.065	B31W-G300250U	B31W-R300250U
4" x 1 1/2"	10.000	.083	B31W-G400150U	B31W-R400150U
4" x 2"	8.000	.083	B31W-G400200U	B31W-R400200U
4" x 2 1/2"	6.000	.083	B31W-G400250U	B31W-R400250U
4" x 3"	4.000	.083	B31W-G400300U	B31W-R400300U
6" x 3"	5.500	.109	B31W-G600300U	B31W-R600300U
6" x 4"	5.500	.109	B31W-G600400U	B31W-R600400U
8" x 4"	6.000	.120	B31W-G800400U	B31W-R800400U
8" x 6"	6.000	.120	B31W-G800600U	B31W-R800600U



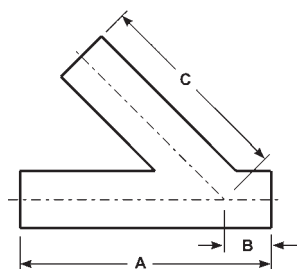
Unpolished
Fittings

Unpolished Eccentric Weld Reducers - B32W

Tube OD	A	Nominal Wall	304 Stainless Steel Part Number	316L Stainless Steel Part Number
3/4" x 1/2"	1.000	.065	---	B32W-R7550U
1" x 1/2"	2.000	.065	---	B32W-R10050U
1" x 3/4"	1.000	.065	---	B32W-R10075U
1 1/2" x 1/2"	4.000	.065	---	B32W-R15050U
1 1/2" x 3/4"	3.000	.065	---	B32W-R15075U
1 1/2" x 1"	2.000	.065	B32W-G150100U	B32W-R150100U
2" x 3/4"	5.000	.065	---	B32W-R20075U
2" x 1"	4.000	.065	B32W-G200100U	B32W-R200100U
2" x 1 1/2"	2.000	.065	B32W-G200150U	B32W-R200150U
2 1/2" x 2"	2.000	.065	B32W-G250200U	B32W-R250200U
3" x 1 1/2"	6.000	.065	B32W-G300150U	B32W-R300150U
3" x 2"	4.000	.065	B32W-G300200U	B32W-R300200U
3" x 2 1/2"	2.000	.065	B32W-G300250U	B32W-R300250U
4" x 1 1/2"	10.000	.083	B32W-G400150U	B32W-R400150U
4" x 2"	8.000	.083	B32W-G400200U	B32W-R400200U
4" x 3"	4.000	.083	B32W-G400300U	B32W-R400300U
6" x 4"	5.500	.109	B32W-G600400U	B32W-R600400U
8" x 6"	6.000	.120	B32W-G800600U	B32W-R800600U



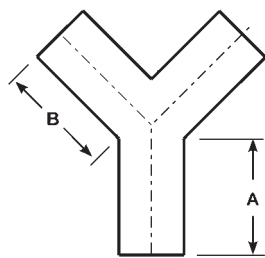
Miscellaneous Unpolished Configurations



Unpolished Weld Laterals - B28WA

Tube OD	A	B	C	Nominal Wall	316L Stainless Steel Part Number
1"	6.000	1.000	5.000	.065	B28WA-R100U
1½"	7.375	1.188	6.188	.065	B28WA-R150U
2"	8.750	1.625	7.125	.065	B28WA-R200U
2½"	10.000	1.500	8.500	.065	B28WA-R250U
3"	10.750	1.875	8.875	.065	B28WA-R300U
4"	12.812	2.015	10.750	.083	B28WA-R400U
6"	18.000	3.000	14.500	.109	B28WA-R600U

I
Unpolished
Fittings

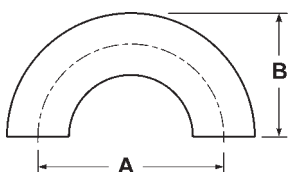


Unpolished Weld True Y - B28W

Tube OD	A	B	Nominal Wall	316L Stainless Steel Part Number
1"	2.000	2.438	.065	B28W-R100U
1½"	2.000	2.438	.065	B28W-R150U
2"	2.625	3.250	.065	B28W-R200U
2½"	3.370	4.125	.065	B25W-R250U
3"	4.000	4.875	.065	B28W-R300U
4"	5.375	5.375	.083	B28W-R400U

Unpolished Weld 180° Return Bends - B2WUL

- bends are 1.5 x tube diameter



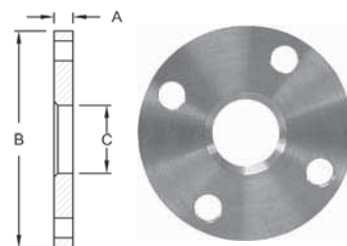
Tube OD	A	B	Nominal Wall	316L Stainless Steel Part Number
1"	3.000	2.000	.065	B2WUL-R100U
1½"	4.500	3.000	.065	B2WUL-R150U
2"	6.000	4.000	.065	B2WUL-R200U
2½"	7.500	5.000	.065	B2WUL-R250U
3"	9.000	6.000	.065	B2WUL-R300U
4"	12.000	8.000	.083	B2WUL-R400U

Unpolished Flanges

Unpolished Tube Flanges - B38SL

- 150# flange

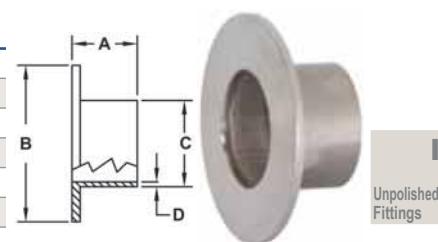
Tube OD	A	B	C	Bolts # / Hole	Bolt Circle	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	.375	4.250	1.063	4/.625	3.125	B38SL-G100	B38SL-R100
1½"	.375	5.000	1.563	4/.625	3.875	B38SL-G150	B38SL-R150
2"	.437	6.000	2.063	4/.750	4.750	B38SL-G200	B38SL-R200
2½"	.437	7.000	2.563	4/.750	5.500	B38SL-G250	B38SL-R250
3"	.500	7.500	3.063	4/.750	6.000	B38SL-G300	B38SL-R300
4"	.562	9.000	4.063	8/.750	7.500	B38SL-G400	B38SL-R400
6"	.562	11.000	6.063	8/.875	9.500	B38SL-G600	B38SL-R600
8"	.687	13.500	8.063	8/.875	11.750	B38SL-G800	B38SL-R800



Unpolished Type A Stub Ends - 14VB

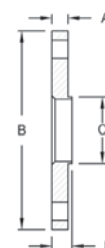
- typically used with B38SL flanges

Tube OD	A	B	C	D	316L Stainless Steel Part Number
1"	1.625	2.000	.065	1.000	14VB-R100
1½"	1.750	2.875	.065	1.500	14VB-R150
2"	1.500	3.625	.065	2.000	14VB-R200
2½"	2.000	4.125	.065	2.500	14VB-R250
3"	2.250	5.000	.065	3.000	14VB-R300
4"	2.625	6.187	.084	4.000	14VB-R400
6"	3.000	8.500	.109	6.000	14VB-R600
8"	3.000	10.625	.120	8.000	14VB-R800
10"	3.500	12.450	.109	10.000	14VB-R1000



Unpolished Weld Neck Flanges - B38W

Tube OD	A	B	C	D	Bolts # / Hole	Bolt Circle	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1"	.500	4.250	1.000	.375	4/.625	3.125	B38W-G100	B38W-R100
1½"	.500	5.000	1.500	.375	4/.625	3.875	B38W-G150	B38W-R150
2"	.625	6.000	2.000	.500	4/.750	4.750	B38W-G200	B38W-R200
2½"	.625	7.000	2.500	.500	4/.750	5.500	B38W-G250	B38W-R250
3"	.625	7.500	3.000	.500	4/.750	6.000	B38W-G300	B38W-R300
4"	.625	9.000	4.000	.500	8/.750	7.500	B38W-G400	B38W-R400
6"	.625	11.000	6.000	.500	8/.875	9.500	B38W-G600	B38W-G600



Other types of flanges are available call Dixon Sanitary for information



B14UB

Flange Gaskets

Neoprene

2010
NEW

Size	Part Number
1"	NG10
1¼"	NG15
1½"	NG20
2"	NG25
2½"	NG30

Size	Part Number
3"	NG35
4"	NG40
5"	NG50
6"	NG60
8"	NG80



- standard drop-ring type all 1/16" thick

Bradford™ Tubing

Product Specifications

Tube OD	Wall Thickness (inches)	Gage Number
½" to 3"	.065	16
4"	.083	14
6"	.109	12

Notes:

- tubing available in 20' lengths only
- surcharges change MONTHLY
- tubing only ships via truck
- call Dixon Sanitary for pricing and full freight allowance
- other sizes may be available, call Dixon Sanitary for information
- tubing is NOT returnable

Size range:

- ½" - 6" OD

Materials:

- G = 304 stainless steel
- R = 316L stainless steel

Finish:

- 3A polished ID and OD
- unpolished
- BPE finishes are available



Operating Pressures

304 Stainless Steel Tube

Tube OD Size	Nominal Wall Thickness	Pressure (PSI)		
		<i>working</i>	<i>yield</i>	<i>burst</i>
½"	.065	4,870	7,800	19,500
¾"	.065	3,250	5,200	13,000
1"	.065	2,440	3,900	9,800
1½"	.065	1,630	2,600	6,500
2"	.065	1,220	2,000	4,900
2½"	.065	980	1,600	3,900
3"	.065	810	1,300	3,300
4"	.083	780	1,200	3,100
6"	.109	680	1,090	2,720

The pressures shown in the table above are calculated using Barlow's Formula and the following properties:

- material: 304
- yield strength (PSI): 30,000
- tensile strength (PSI): 75,000

Working Pressure = ¼ of Burst Pressure, these calculate from -20°F to 100°F.

316L Stainless Steel Tube

Tube OD Size	Nominal Wall Thickness	Pressure (PSI)		
		<i>working</i>	<i>yield</i>	<i>burst</i>
½"	.065	3,250	6,500	19,500
¾"	.065	2,167	4,330	13,000
1"	.065	2,280	3,300	9,100
1½"	.065	1,520	2,200	6,100
2"	.065	1,140	1,600	4,600
2½"	.065	910	1,300	3,600
3"	.065	760	1,100	3,000
4"	.083	730	1,000	2,900
6"	.109	635	900	2,540

The pressures shown in the table above are calculated using Barlow's Formula and the following properties:

- material: 316L
- yield strength (PSI): 25,000
- tensile strength (PSI): 70,000

Working Pressure = ¼ of Burst Pressure, these calculate from -20°F to 100°F.



Pipe size and Tube OD size materials are not interchangeable

Index

A270 tubing 93

A269 tubing 93

ASTM-A270 Polished ID and OD Tubing

Polished ID and OD - ASTM-A270

Size	Packaged	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1/2"	200'	---	A270-R50P
3/4"	200'	---	A270-R75P
1"	300'	A270-G100P	A270-R100P
1 1/2"	300'	A270-G150P	A270-R150P
2"	300'	A270-G200P	A270-R200P
2 1/2"	300'	A270-G250P	A270-R250P
3"	200'	A270-G300P	A270-R300P
4"	100'	A270-G400P	A270-R400P
6"	40'	---	A270-R600P



Tolerances for Welded Tubing - ASTM-A270

Tube OD Size	Nominal Wall Thickness	OD Tolerance	Wall Thickness Tolerance	Ovality Allowance
1/2"	.065	+ .002 / - .008	± .008	± .010
3/4"	.065	+ .002 / - .008	± .008	± .010
1"	.065	+ .002 / - .008	± .008	± .010
1 1/2"	.065	+ .002 / - .008	± .008	± .020
2"	.065	+ .002 / - .011	± .008	± .020
2 1/2"	.065	+ .002 / - .011	± .008	± .020
3"	.065	+ .003 / - .012	± .008	± .020
4"	.083	+ .003 / - .015	± .010	± .020
6"	.109	+ .030 / - .030	± .014	± .030

- ASTM-A270-02 welded austenitic stainless steel sanitary tubing

J

Tubing

ASTM-A269 Unpolished ID and OD Tubing

Unpolished ID and OD - ASTM-A269

Size	Packaged	304 Stainless Steel Part Number	316 Stainless Steel Part Number
1"	300'	A269-G100U	A269-R100U
1 1/2"	300'	A269-G150U	A269-R150U
2"	300'	A269-G200U	A269-R200U
2 1/2"	300'	A269-G250U	A269-R250U
3"	200'	A269-G300U	A269-R300U
4"	100'	A269-G400U	A269-R400U
6"	40'	---	A269-R600U



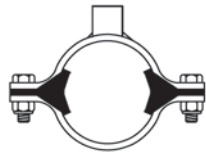
Tolerances for Welded Tubing - ASTM-A269

Tube OD Size	Nominal Wall Thickness	OD Tolerance	Wall Thickness Tolerance	Ovality Allowance
1"	.065	± .005	± .006	± .010
1 1/2"	.065	± .010	± .006	± .020
2"	.065	± .010	± .006	± .020
2 1/2"	.065	± .010	± .006	± .020
3"	.065	± .010	± .006	± .020
4"	.083	± .015	± .008	± .030
6"	.109	± .030	± .010	± .030

- ASTM-A269-02 welded austenitic stainless steel sanitary tubing for general service
- other sizes and materials available, call Dixon Sanitary for information

Bradford™ Tube Hangers

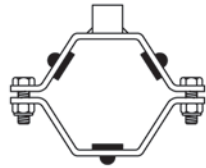
Complete Support



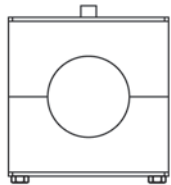
← round hanger
with coupler



← hex hanger



← hex hanger
with coupler



← block hanger



← hex hanger
with sleeve

Product Specifications

Size range:

- ½" - 12" OD tube

Materials:

- hanger base: 304 stainless steel
- hanger inserts: nitrile..... rated to: 230°F
ABS (sleeve) 230°F
Viton® 400°F
Polypropylene 212°F
Santoprene™ 302°F

K

Tube
Hangers

Support Recommendations

Lines are not to be rigidly anchored to equipment. Lines must be allowed to float. Temperatures cause expansion and contraction and if mounted incorrectly will cause distortion and possibly leakage.

Proper Installation:

- straight sections need support every 10 feet
- each side of every valve (as close as possible to the connection) needs support
- support each change of directions

Index

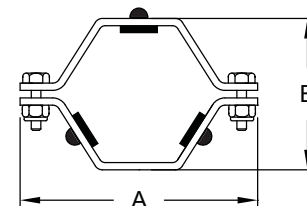
Hex Hangers.....	95-97	Round Hangers	98
Grommets.....	95	U-Bolt Hangers.....	98
Nuts and Bolts	96	Block Hangers	99
Sleeves.....	97	Wall Flanges.....	100

Tube Hex Hangers

Hex Hanger with Nitrile Grommets - B24RG

- Nitrile grommets maximum temperature: **230°F**
- 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

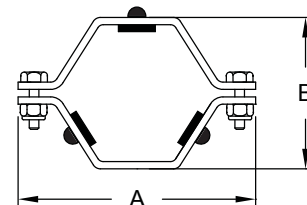
Tube OD	A	B	304 Stainless Steel Part Number
1/2" - 3/4"	3.425	1.450	B24RG-G75
1"	3.425	1.450	B24RG-G100
1 1/2"	4.000	2.125	B24RG-G150
2"	4.500	2.500	B24RG-G200
2 1/2"	4.950	3.125	B24RG-G250
3"	5.500	3.750	B24RG-G300
4"	6.950	4.750	B24RG-G400
5"	8.000	5.625	B24RG-G500
6"	9.250	6.625	B24RG-G600
8"	11.500	8.625	B24RG-G800
10"	14.500	10.500	B24RG-G1000
12"	16.750	12.625	B24RG-G1200



Hex Hanger with Viton® Grommets - B24RGSFY

- Viton® grommets maximum temperature: **392°F**
- 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

Tube OD	A	B	304 Stainless Steel Part Number
1/2"	3.625	2.125	B24RGSFY-G50
3/4"	3.625	2.125	B24RGSFY-G75
1"	3.625	2.125	B24RGSFY-G100
1 1/2"	3.625	2.125	B24RGSFY-G150
2"	4.313	2.625	B24RGSFY-G200
2 1/2"	4.875	3.125	B24RGSFY-G250
3"	5.375	3.625	B24RGSFY-G300
4"	6.563	4.750	B24RGSFY-G400
6"	9.000	6.625	B24RGSFY-G600
8"	11.250	8.750	B24RGSFY-G800
10"	14.500	10.500	B24RGSFY-G1000
12"	16.750	12.625	B24RGSFY-G1200



K

Tube
Hangers

Grommets - 13RG

- Nitrile grommets maximum temperature: **230°F**
- Viton® grommets maximum temperature: **392°F**

Size	Nitrile Part Number	Viton® Part Number
1/8" *	13RG18	13RGV18
1/4"	13RG14	13RGV14
1/2"	13RG12	13RGV12
3/8" **	13RG38	13RGV38
5/8"	13RG58	13RGV58

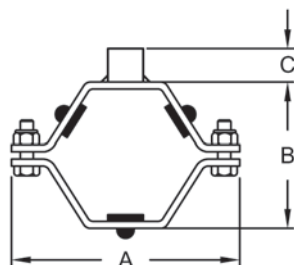
* For 1" & larger

** For 1/2" & 3/4"



Tube Hex Hangers

Hex Hanger with Nitrile Grommets and Coupler - B24RGC



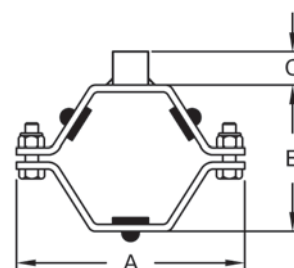
- Nitrile grommets maximum temperature: **230°F**
- Coupler has 3/8 NPT

Tube OD	A	B	C	304 Stainless Steel Part Number
½" - ¾"	3.425	1.450	.750	B24RGC-G75
1"	3.425	1.450	.750	B24RGC-G100
1½"	4.000	2.125	.750	B24RGC-G150
2"	4.500	2.500	.750	B24RGC-G200
2½"	4.750	3.125	.750	B24RGC-G250
3"	5.500	3.750	.750	B24RGC-G300
4"	6.750	4.750	.750	B24RGC-G400
6"	9.250	6.625	.750	B24RGC-G600
8"	11.500	8.625	.750	B24RGC-G800

Hex Hanger with Nitrile Grommets and All Thread Coupler - B24RGC16

K

Tube Hangers



- Nitrile grommets maximum temperature: **230°F**
- Coupler is all thread 3/8-16

Tube OD	A	B	C	304 Stainless Steel Part Number
½" - ¾"	3.425	1.450	.750	B24RGC16-G75
1"	3.425	1.450	.750	B24RGC16-G100
1½"	4.000	2.125	.750	B24RGC16-G150
2"	4.500	2.500	.750	B24RGC16-G200
2½"	4.750	3.125	.750	B24RGC16-G250
3"	5.500	3.750	.750	B24RGC16-G300
4"	6.750	4.750	.750	B24RGC16-G400
6"	9.250	6.625	.750	B24RGC16-G600
8"	11.500	8.625	.750	B24RGC16-G800

Nuts and Bolts - 13NHN

2010
NEW



- All sizes hex hangers with grommets and round hangers 1" to 4" use 13NHN-G100-600 fastener sets
- ½" and ¾" round and sleeved hangers use 13NHN-G75 fastener sets
- supplied 2 nuts and bolts to a set

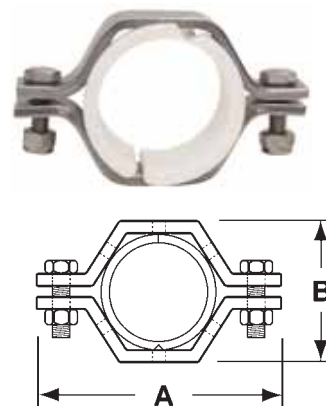
Size	Description	304 Stainless Steel Part Number
½" - ¾"	1/4-20 x 3/4" with nylock nut	13NHN-G75
1" - 12"	5/16-18 x 1" with nylock nut	13NHN-G100-600

Tube Hex Hangers

Hex Hanger with ABS Sleeve - B24PS

- ABS sleeve maximum temperature: **230°F**

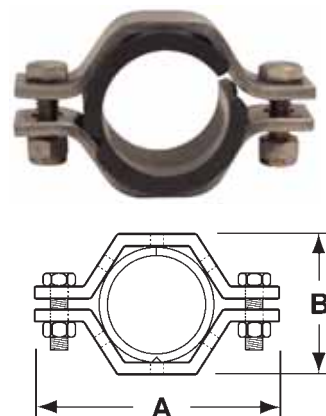
Tube OD	A	B	304 Stainless Steel Part Number
½"	2.800	1.150	B24PS-G50
¾"	2.800	1.150	B24PS-G75
1"	3.425	1.450	B24PS-G100
1½"	4.000	2.125	B24PS-G150
2"	4.500	2.500	B24PS-G200
2½"	4.950	3.125	B24PS-G250
3"	5.500	3.750	B24PS-G300
4"	6.950	4.750	B24PS-G400
5"	8.063	5.625	B24PS-G500
6"	9.250	6.625	B24PS-G600
8"	11.500	8.625	B24PS-G800
10"	14.500	10.500	B24PS-G1000
12"	16.625	13.000	B24PS-G1200



Hex Hanger with High Temperature Sleeve - B24HS

- High temperature sleeve maximum temperature: **325°F**

Tube OD	A	B	304 Stainless Steel Part Number
½"	2.375	1.062	B24HS-G50
¾"	2.625	1.188	B24HS-G75
1"	2.688	1.563	B24HS-G100
1½"	3.625	2.125	B24HS-G150
2"	4.625	2.625	B24HS-G200
2½"	4.813	3.125	B24HS-G250
3"	5.375	3.625	B24HS-G300
4"	6.625	4.625	B24HS-G400
6"	9.000	6.625	B24HS-G600



K
Tube
Hangers

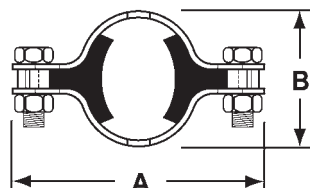
Sleeves - 13*S

- ABS sleeve maximum temperature: **230°F**
- High temperature sleeve maximum temperature: **325°F**

Size	ABS Part Number	High Temp Part Number
½"	13PS-50	13HS-50
¾"	13PS-75	13HS-75
1"	13PS-100	13HS-100
1½"	13PS-150	13HS-150
2"	13PS-200	13HS-200
2½"	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	---
10"	13PS-1000	---
12"	13PS-1200	---

Tube Round Hangers

Round Hanger with Nitrile Inserts - **B24RPH**



- Nitrile inserts maximum temperature: **230°F**
- 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

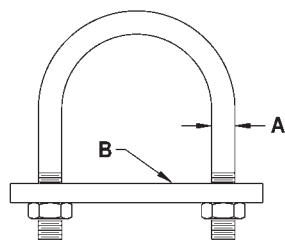
Tube OD	A	B	304 Stainless Steel Part Number
1/2"	2.750	1.125	B24RPH-G50
3/4"	2.750	1.125	B24RPH-G75
1"	3.310	1.500	B24RPH-G100
1 1/2"	3.810	2.000	B24RPH-G150
2"	4.250	2.562	B24RPH-G200
2 1/2"	5.000	3.000	B24RPH-G250
3"	5.500	3.562	B24RPH-G300
4"	6.500	4.688	B24RPH-G400

Bolt Hangers

U-Bolt Hangers - **B24UB**

K

Tube Hangers

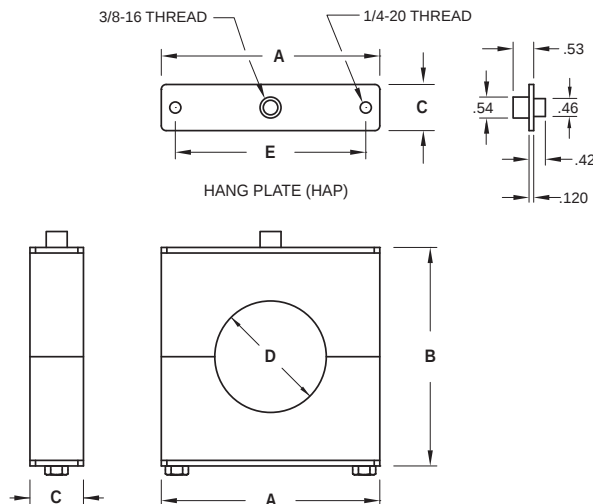


Tube OD	A rod size	B plate size	304 Stainless Steel Part Number
1/2"	1/4 x 3-7/8	3/16 x 3/4 x 1-7/8	B24UB-G50
3/4"	1/4 x 3-7/8	3/16 x 3/4 x 1-7/8	B24UB-G75
1"	1/4 x 4-3/8	3/16 x 3/4 x 2-1/8	B24UB-G100
1 1/2"	5/16	1/4 x 1 x 2-7/8	B24UB-G150
2"	5/16	1/4 x 1 x 3-3/8	B24UB-G200
2 1/2"	5/16	1/4 x 1 x 3-7/8	B24UB-G250
3"	5/16	1/4 x 1 x 1-3/8	B24UB-G300
4"	5/16	1/4 x 1 x 5-1/4	B24UB-G400
6"	3/8	3/8 x 1-1/2 x 7-1/2	B24UB-G600
8"	3/8	3/8 x 1-1/2 x 9-1/2	B24UB-G800
10"	3/8	3/8 x 2 x 11-1/2	B24UB-G1000
12"	3/8	3/8 x 2 x 13-1/2	B24UB-G1200

Tube Block Hangers

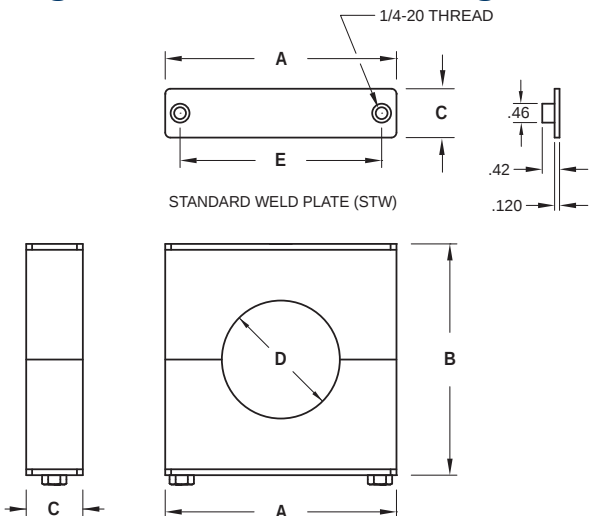
- Santoprene - FDA approved material, maximum temperature **302°F** (SP)
- Polypropylene - maximum temperature **212°F** (PP)

Block Hanger with Hang Plate Design - B24**HAP



Tube OD	A	B	C	D	E	Polypropylene Part Number	Santoprene Part Number
1/2"	1.84	1.70	1.19	0.50	1.33	B24PPHAP-G50	B24SPHAP-G50
3/4"	1.84	1.70	1.19	0.75	1.33	B24PPHAP-G75	B24SPHAP-G75
1"	3.33	2.85	1.19	1.00	2.55	B24PPHAP-G100	B24SPHAP-G100
1 1/2"	3.33	2.85	1.19	1.50	2.55	B24PPHAP-G150	B24SPHAP-G150
2"	3.33	2.85	1.19	2.00	2.55	B24PPHAP-G200	B24SPHAP-G200
2 1/2"	5.00	4.60	1.19	2.50	4.22	B24PPHAP-G250	B24SPHAP-G250
3"	5.00	4.60	1.19	3.00	4.22	B24PPHAP-G300	B24SPHAP-G300
4"	5.65	5.00	1.19	4.00	4.85	B24PPHAP-G400	B24SPHAP-G400

Block Hanger with Weld Plate Design - B24**STW



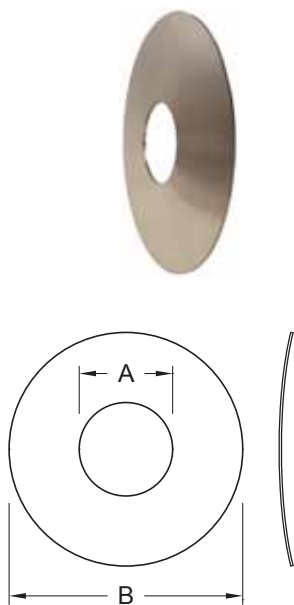
Tube OD	A	B	C	D	E	Polypropylene Part Number	Santoprene Part Number
1/2"	1.84	1.70	1.19	0.50	1.33	B24PPSTW-G50	B24SPSTW-G50
3/4"	1.84	1.70	1.19	0.75	1.33	B24PPSTW-G75	B24SPSTW-G75
1"	3.33	2.85	1.19	1.00	2.55	B24PPSTW-G100	B24SPSTW-G100
1 1/2"	3.33	2.85	1.19	1.50	2.55	B24PPSTW-G150	B24SPSTW-G150
2"	3.33	2.85	1.19	2.00	2.55	B24PPSTW-G200	B24SPSTW-G200
2 1/2"	5.00	4.60	1.19	2.50	4.22	B24PPSTW-G250	B24SPSTW-G250
3"	5.00	4.60	1.19	3.00	4.22	B24PPSTW-G300	B24SPSTW-G300
4"	5.65	5.00	1.19	4.00	4.85	B24PPSTW-G400	B24SPSTW-G400



Wall Flanges

Flanges - B25

Square wall flanges are also available, call the factory for information.



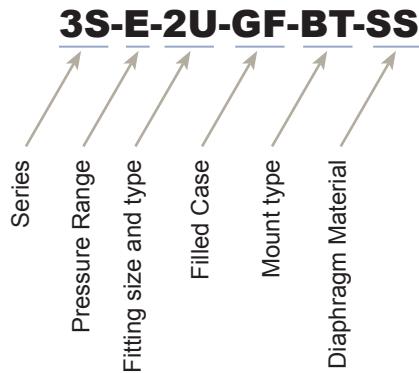
Tube OD	A	B	Wall Thickness	304 Stainless Steel Part Number
1/2"	1/2	3	.065	B25-G050300
1/2"	1/2	5	.065	B25-G050500
3/4"	3/4	3	.065	B25-G075300
3/4"	3/4	5	.065	B25-G075500
1"	1	3	.065	B25-G100300
1"	1	5	.065	B25-G100500
1 1/2"	1-1/2	5	.065	B25-G150500
2"	2	5	.065	B25-G200500
2 1/2"	2-1/2	5	.065	B25-G250500
3"	3	6	.065	B25-G300600
4"	4	7	.065	B25-G400700
5"	5	8	.065	B25-G500800
6"	6	10	.065	B25-G6001000
8"	8	12	.065	B25-G8001200
10"	10	14	.065	B25-G10001400
12"	12	16	.065	B25-G12001600

K

Tube
Hangers

Bradford™ Gauges

Model Number Breakdown



Product Specifications

Size range:

- 1½", 2", 2½" or 3"

Material:

- 316L stainless steel

Finishes:

- 3A sanitary
- pharmaceutical

Ordering Information

Series

- 3S**.....3½" Sanitary pressure gauge
5S.....5" Sanitary pressure gauge
3P.....3½" Pharmaceutical pressure gauge
5P.....5" Pharmaceutical pressure gauge

Pressure Range *

- 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)

* Standard scales are in PSI only. For dual scales, add the letter B for PSI/BAR after the pressure range letter.

Fitting Type *

specify size in inches: 1.5, 2, 2.5 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)

* specify size then type, i.e. 1.5U.

Filled Case

- GF**.....glycerine filled
NF.....no fill (dry)

Mount type

- BT**.....bottom
RT.....right side
LF.....left side
TP.....top
BK.....back

Diaphragm Material

- SS**.....stainless steel

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Sanitary 102

Pharmaceutical..... 103

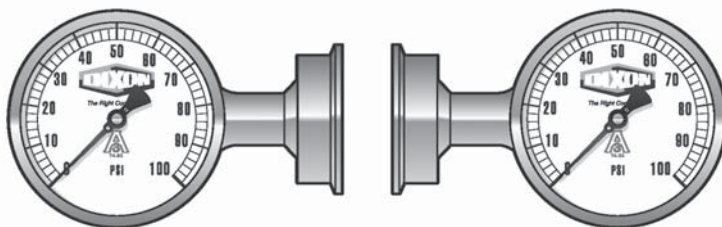
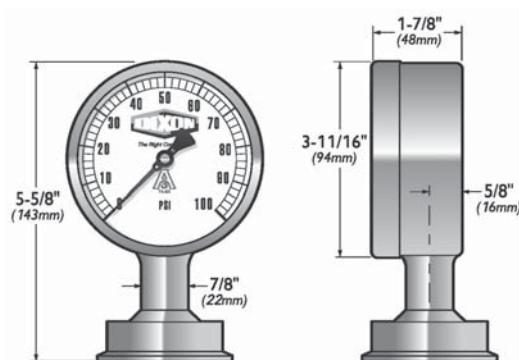
Sanitary Pressure Gauges



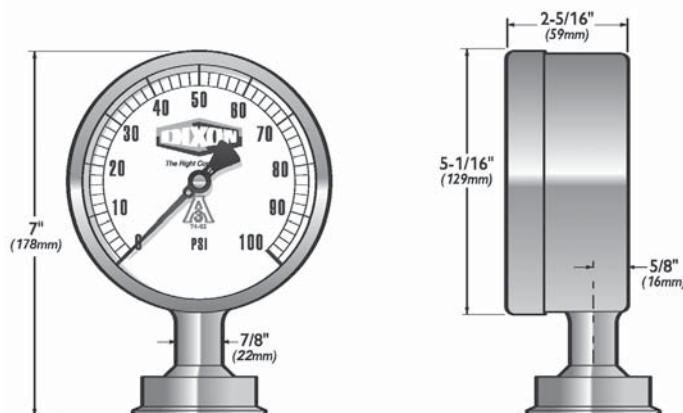
3S-EB-2U-GF-BT-SS

- accuracy: $\pm 1.5\%$ of full scale
- over range capacity: 30%
- wetted surfaces: 316L stainless steel
- surface finishes (wetted parts): R_a max = 25 microinches
- case material: 304 stainless steel
- dial size: 3 1/2" or 5" diameter
- lens material: polycarbonate
- temperature limits: 0°F (-18°C) to 250°F (121°C)
- standard fill: food grade glycerin
- rezero feature: standard on pointer
- shipping weight: approximately 3 lbs. (1.3 kg)

3 1/2" Gauge - (90 mm)



5" Gauge - (120 mm)



shown with 2" clamp

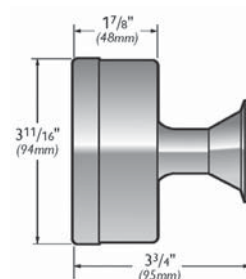
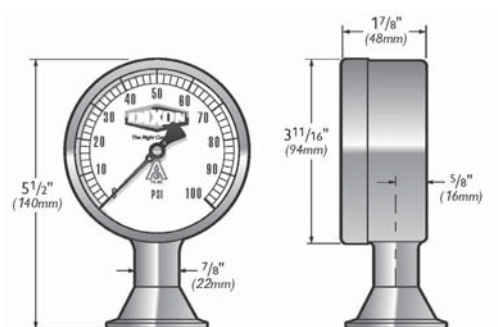
Pharmaceutical Pressure Gauges

- accuracy: $\pm 0.75\%$ of full scale
- over range capacity: 30%
- wetted surfaces: 316L stainless steel
- surface finishes (wetted parts): R_a max = 8 microinches
- case material: 304 stainless steel
- dial size: $3\frac{1}{2}$ " or 5" diameter
- lens material: polycarbonate
- temperature limits: 0°F (-18°C) to 250°F (121°C)
- standard fill: food grade glycerin
- rezero feature: standard on pointer
- shipping weight: approximately 3 lbs. (1.3 kg)

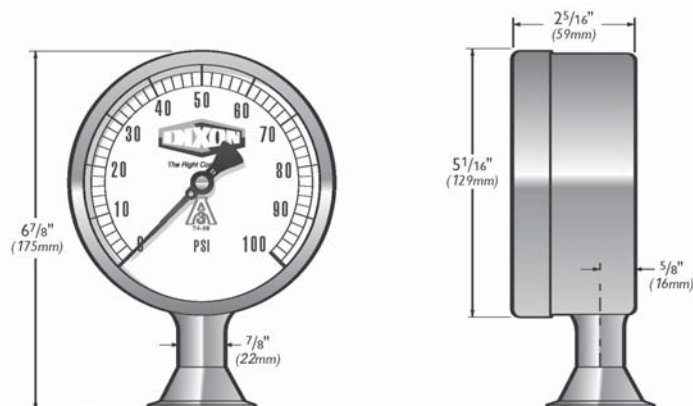


3P-D-1.5U-GF-BT

$3\frac{1}{2}$ " Gauge - (90 mm)



5" Gauge - (120 mm)



shown with $1\frac{1}{2}$ " clamp

Bradford™ Sight Glasses

Product Specifications

Size range:

- 1" - 6" OD tube

Material:

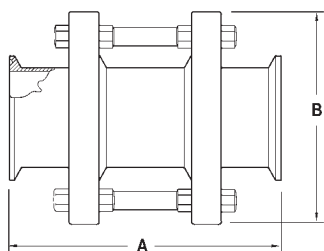
- 316L stainless steel
- Borosilicate glass

Finishes:

- 3A sanitary finish, ID and OD

In-Line Sight Glass - B54BMP

- made with borosilicate (Pyrex®) glass with white buna gaskets
- various end configurations are available: clamp, weld, bevel seat, John Perry, I-Line and Q-Line
- maximum temperature: **200°F**



Tube OD	A	B	Working Pressure	316L Stainless Steel Part Number
1"	5.625	3.250	145	B54BMP-R100
1½"	5.625	4.000	145	B54BMP-R150
2"	5.625	4.250	145	B54BMP-R200
2½"	6.125	4.750	120	B54BMP-R250
3"	7.250	5.500	120	B54BMP-R300
4"	7.375	6.500	95	B54BMP-R400
6"	7.625	9.500	80	B54BMP-R600

Kits and Replacement Parts

M

Sight Glasses

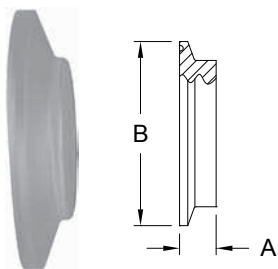
Size	Seal Kit Part Number	Replacement Glass Part Number
1"	B54BMP-SK100	B54G-P100
1½"	B54BMP-SK150	B54G-P150
2"	B54BMP-SK200	B54G-P200
2½"	B54BMP-SK250	B54G-P250

Size	Seal Kit Part Number	Replacement Glass Part Number
3"	B54BMP-SK300	B54G-P300
4"	B54BMP-SK400	B54G-P400
6"	B54BMP-SK600	B54G-P600

Seal Kit Contains: (2) white buna gaskets

End Caps - B5416MP

- for use on any line with a clamp and gasket
- acrylic plastic
- maximum temperature: **150°F**
- maximum operating pressure: **100 PSI**



Tube OD	A	B	Part Number
1" - 1½"	.438	1.984	B5416MP-A100150
2"	.438	2.516	B5416MP-A200
2½"	.438	3.047	B5416MP-A250
3"	.438	3.579	B5416MP-A300
4"	.438	4.682	B5416MP-A400
6"	.438	6.562	B5416MP-A600

Bradford™ Spray Balls

Product Specifications

Size range:

- ¾" and 1½" NPT
- 1" and 1½" OD tube
- 1½" clamp

Material:

- 304 stainless steel
- 316L stainless steel

Finishes:

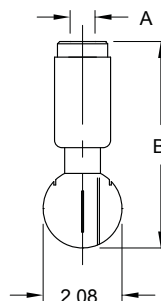
- 3A mirror-like finish (ID/OD)

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Rotating 105 Stationary 106

Rotating Spray Balls - SRH

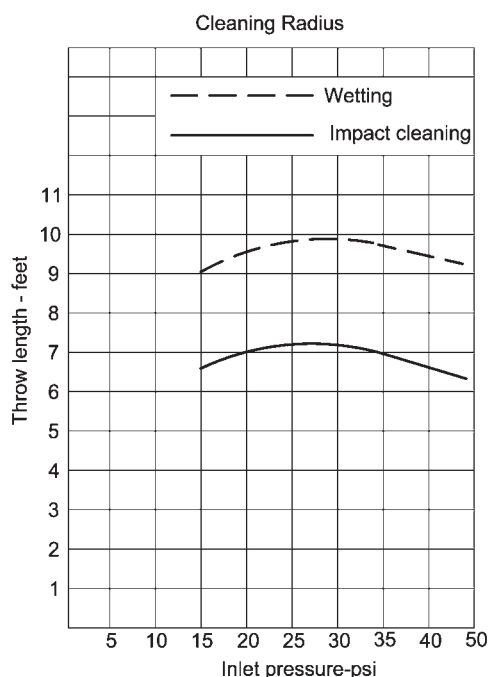
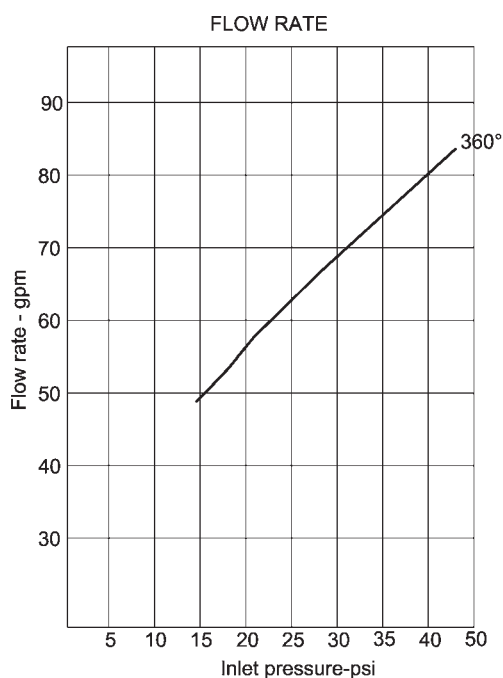
- 304 / 316L stainless steel
- stainless steel ball bearings to eliminate rust
- ideal for cleaning all types of tanks and vessels
- cleaning solution used to lubricate unit
- connections available: clamp and NPT
- mirror-like finish (ID/OD)
- spray pattern: 360°



Size	Type	A	B	304 Stainless Steel Part Number	316L Stainless Steel Part Number
¾"	NPT	¾" NPT	5.46	SRH360NPT-G075	---
1½"	NPT	1½" NPT	5.46	---	SRH360NPT-R150
1½"	Clamp	1.984	5.46	SRH360CMP-G150	SRH360CMP-R150

Dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

Technical Data



Spray Balls

Stationary Spray Balls - STC

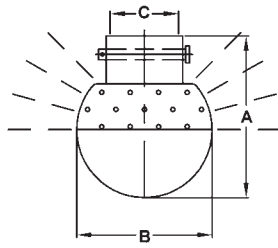
- various spray patterns available, (blanks available as special order)
- stationary - designed to be mounted to a tube or pipe
- 2mm spray holes



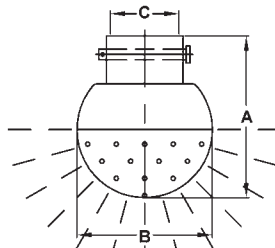
Size	Spray Pattern	A	B	C	Pin Size	Length of Hole	Length Before Pin	316L Stainless Steel Part Number
1"	360°	3.04	2.45	1.005	.2260	.975	.445	STC-360-R100
1½"	360°	3.54	2.95	1.505	.2260	.975	.445	STC-360-R150
1"	180° bottom	3.54	2.95	1.005	.2260	.975	.445	STC-180B-R100
1½"	180° bottom	3.54	2.95	1.505	.2260	.975	.445	STC-180B-R150
1"	180° top	3.54	2.95	1.005	.2260	.975	.445	STC-180T-R100
1½"	180° top	3.54	2.95	1.505	.2260	.975	.445	STC-180T-R150

1" Pin length = 1.47

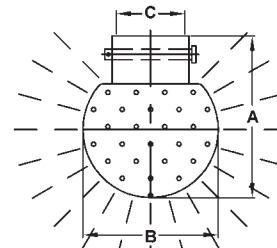
1½" Pin length = 1.95



180° Top Pattern



180° Bottom Pattern



360° Pattern

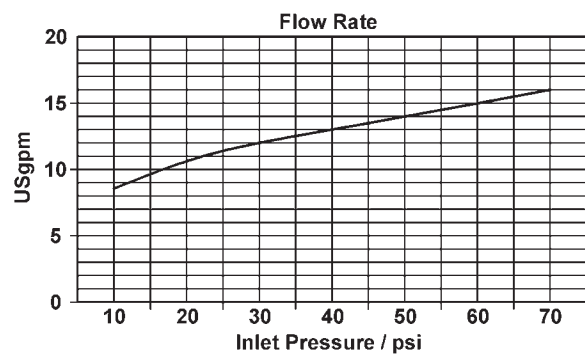
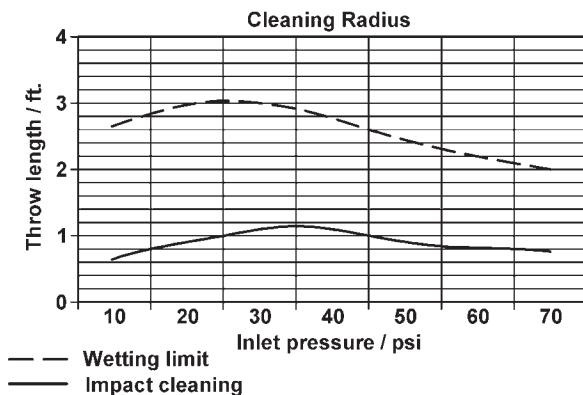
Repair Kits

Size	Part Number
1"	STC-RK100
1½"	STC-RK150

Repair kits contain:

- (1) pin
- (1) cotter pin

Technical Data



Bradford™ Custom Fabrication

Machined, Welded and Polished Components



0

Custom
Fabrication

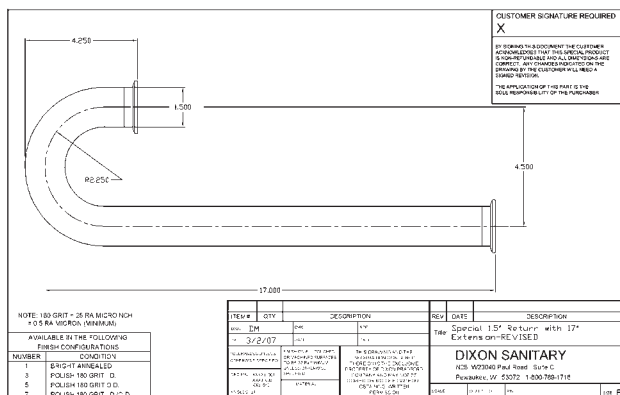
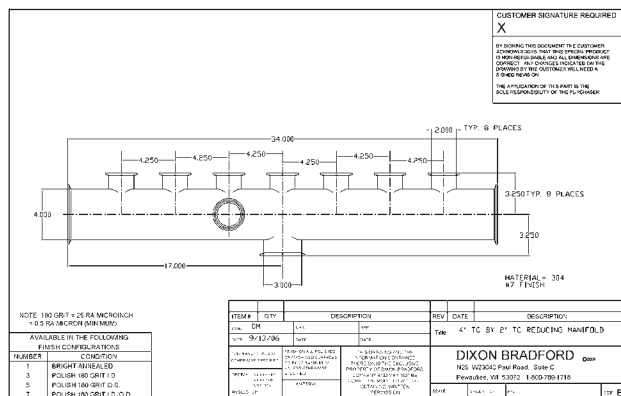
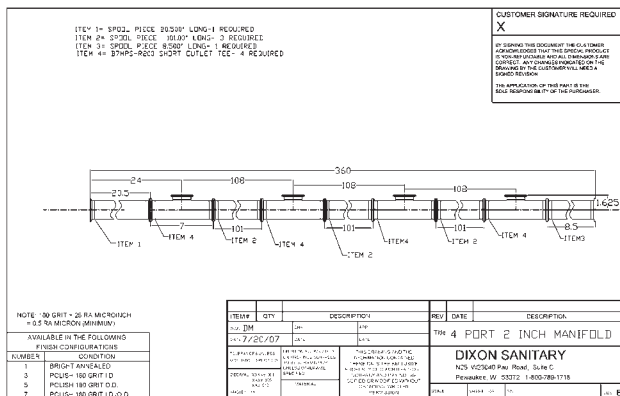
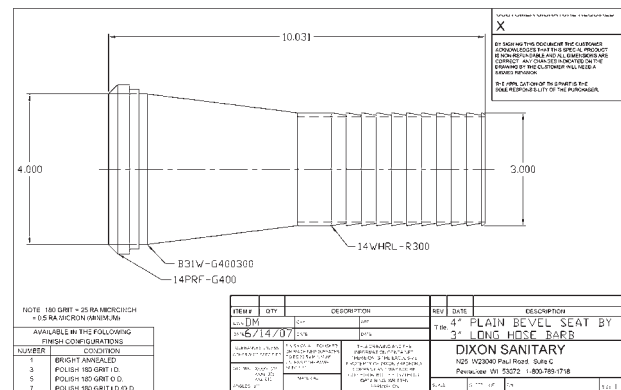
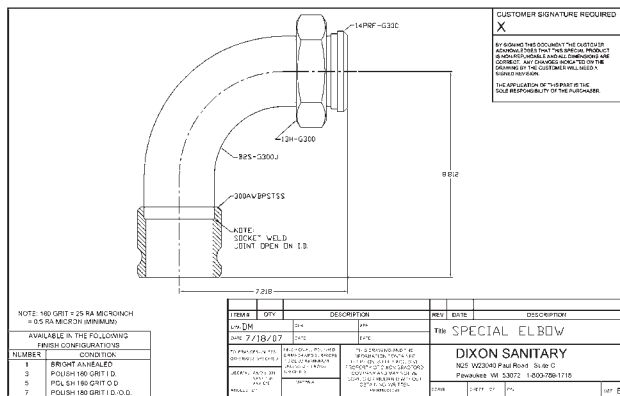
Custom Fabrications

Flow Plates

- 4 ports through 9 ports
- 1½" through 4" clamp
- bevel seat and John Perry connections available
- with or without back fitting
- welds polished on front, seal welded and cleaned on back
- 304 or 316L stainless
- 3/16" or ¼" thick plate
- 1½" bent lip on all sides
- 3" long butt-weld tube or fitting on back
- customized per your designs



Specials



- no minimum quantity
- drawings made for all custom parts
- non-returnable

Bradford™ Filter/Strainer



Product Specifications

Size range:

- 1" - 3" clamp

Type:

- Inline
 - > short
 - > long
- Side Entry
 - > long

Material:

- 316L stainless steel

Finish:

- 3A sanitary, ID and OD



What Are Filter / Strainers Used For?

Filter Definition

A filter uses a disposable media to remove finer particulate from the stream. Dixon Sanitary holds Authorization Number 1446 for the 3-A Sanitary Standard for Filters using Single Service Filter Media, Number: 10-4.

Strainer Definition

A strainer is a device used to separate solids from fluids. Here it is used for larger particulate matter from liquid or gas. It uses cleanable media.



Full Flow Filters -

Can be equipped with a variety of filtering media, down to 40 microns, media includes polyester, cotton cheesecloth and nylon mesh. See chart on page 114.



Full Flow Coarse Strainers -

1/4" or 1/8" perforations.



Full Flow Fine/Medium Strainers -

Can be equipped with a variety of mesh screens for removing finer particles (20 to 1130 mesh). See chart on page 114.

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In-Line Filter/Strainer	110-111
Side Entry Filter Strainer	112-113
Replacement Filters.....	114

Mesh Over Screens.....	114
Dual Filter/Strainer Options	115

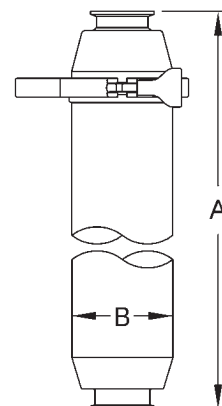
Filters / Strainers

In-line Filter / Strainer - BSCCQ



- In-line units ship standard with the following: spring, distributor cap, clamp gasket, 1/4" perforated back-up tube, inlet and outlet bodies and squeeze clamp
- 1/8" perforated back-up tube available, must specify when ordering
- Bevel seat, I-line and weld ends available, call Dixon Sanitary for information

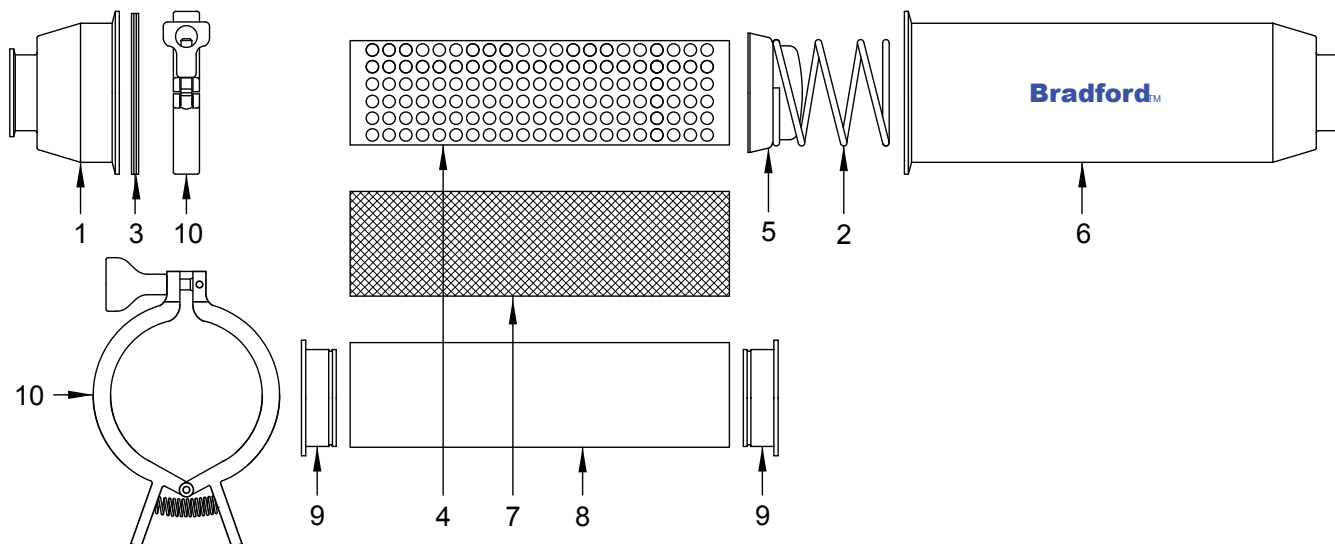
Size	A short	A long	B	Short Part Number	Long Part Number
1"	15.75	--	4.00	BSCCQ1-R100	---
1½"	15.75	35.375	4.00	BSCCQ1-R150	BSCCQ2-R150
2"	15.75	35.375	4.00	BSCCQ1-R200	BSCCQ2-R200
2½"	15.75	--	4.50	BSCCS1-R250	---
3"	15.75	35.375	4.50	BSCCS1-R300	BSCCS2-R300



Dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

Filters / Strainers

Bill of Materials



Item #	Description	Short Part #	Long Part #	Material	Qty
1	1" strainer outlet	BS-01-R100	---	316L stainless steel	1
	1½" strainer outlet	BS-01-R150			
	2" strainer outlet	BS-01-R200			
	2½" strainer outlet	BS-01-R250	---		
	3" strainer outlet	BS-01-R300			
2	1"-2" strainer spring	BS-02-R100-200		316L stainless steel	1
	2½"-3" strainer spring	BS-02-R250-300			
3	4" clamp gasket	40MP-U400		Buna	1
	4" schedule 5 clamp gasket	40MPV-U400			
4	1"-2" back-up tube with 1/8" perforations	BS-1418-R100200	BS-2418-R100200	316L stainless steel	1
	2½"-3" back-up tube with 1/8" perforations	BS-1418-R250300	BS-2418-R250300		
	1"-2" back-up tube with 1/4" perforations	BS-1425-R100200	BS-2425-R100200		
	2½"-3" back-up tube with 1/4" perforations	BS-1425-R250300	BS-2425-R250300		
5	1"-2" strainer cap	BS-05-R100-200		316L stainless steel	1
	2½"-3" strainer cap	BS-05-R250-300			
6	1" strainer inlet	BS-16-R100	---	316L stainless steel	1
	1½" strainer inlet	BS-16-R150	BS-26-R150		
	2" strainer inlet	BS-16-R200	BS-26-R200		
	2½" strainer inlet	BS-16-R250	---		
	3" strainer inlet	BS-16-R300	BS-26-R300		
7	1"-3" various mesh over screens (short/long)	part number on page 114		316 stainless steel	1
8	1"-3" various filter bag (short/long)	part number on page 114		various	1
9	1"-2" retaining ring used with filter bags	BS-09-U100-200		Buna	2
	2½"-3" retaining ring used with filter bags	BS-09-U250-300			
10	4" squeeze clamp for 1"-2" assembly	13MHHM-Q400		CF8	1
	4" schd. 5 squeeze clamp 2½"-3" assembly	13MHHV-Q400			

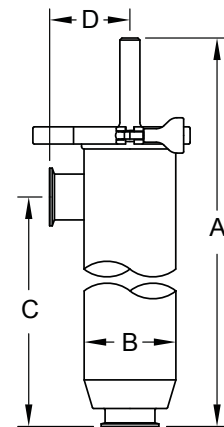
Filters / Strainers

Side-Entry Filter / Strainer - *BSCCQ*



- Side entry units ship standard with the following: spring, end cap with handle, distributor cap, clamp gasket, 1/4" perforated back-up tube, body and squeeze clamp
- 1/8" perforated back-up tube available, must specify when ordering
- Bevel seat, I-line and weld ends available, call Dixon Sanitary for information
- Serviceable without removing from the line

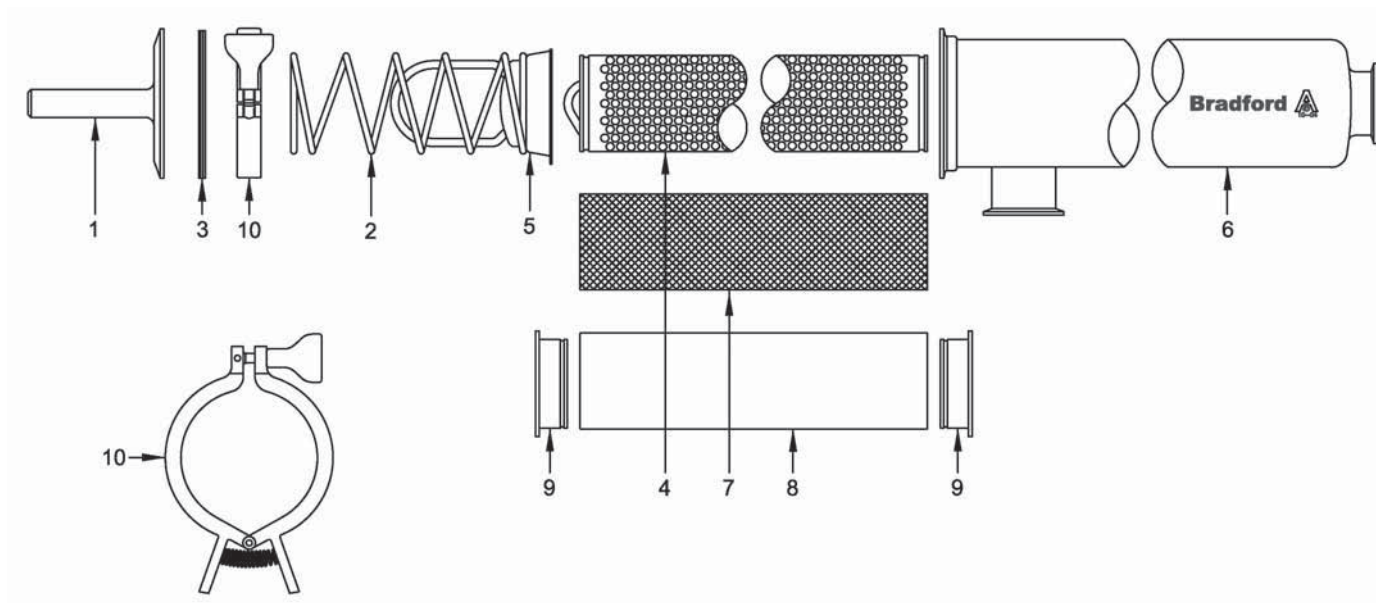
Size	A	B	C	D	Part Number
1½"	41.9	4	35	3½	<i>BSCCQ3-R150</i>
2"	41.9	4	35	3½	<i>BSCCQ3-R200</i>
3"	41.9	4½	35	3¾	<i>BSCCQ3-R300</i>



Dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

Filters / Strainers

Bill of Materials



Item #	Description	1½" and 2" Part #	3" Part #	Material	Qty
1	end cap with handle	BS-31-R100-200	BS-31-R250-300	316L stainless steel	1
2	strainer spring	BS-32-R100-200	BS-32-R250-300	316L stainless steel	1
3	clamp gasket	40MP-U400	40MPV-U400	Buna	1
4	back-up tube with 1/8" perforations	BS-1418-R100200	BS-2418-R100200	316L stainless steel	1
	back-up tube with 1/4" perforations	BS-1425-R100200	BS-2425-R100200		
5	distributor cap	BS-35-R100-200	BS-35-R250-300	316L stainless steel	1
6	1½" strainer body	BS-36-R150	---	316L stainless steel	1
	2" strainer body	BS-36-R200	---		
	3" strainer body	---	BS-36-R300		
7	various mesh over screens	part number on page 114		316 stainless steel	1
8	various filter bag	part number on page 114		various	1
9	retaining ring used with filter bags	BS-09-U100-200	BS-09-U250-300	Buna	2
10	squeeze clamp for assembly	13MHHM-Q400	13MHHV-Q400	CF8	1

P

Filters &
Strainers

Filters / Strainers

Replacement Filters

- Filter medium are special order and minimum quantities apply. Not included with base unit.

Size	Micron Rating	Description	Short Part Number	Long/Side Entry Part Number
1" - 2"	38	nonwoven rayon (glued seam)	BF30A-100-200	BF302A-100-200
2½" - 3"	38	nonwoven rayon (glued seam)	BF30A-250-300	BF302A-250-300
1" - 2"	513	woven knapped cotton flannel	BF30B-100-200	BF302B-100-200
2½" - 3"	513	woven knapped cotton flannel	BF30B-250-300	BF302B-250-300
1" - 2"	300	cheese cloth, single thickness cotton	BF30C-100-200	BF302C-100-200
2½" - 3"	300	cheese cloth, single thickness cotton	BF30C-250-300	BF302C-250-300
1" - 2"	765	nylon, 26/29 mesh, rectangular opening, (.025 x .030)	BF30D-100-200	BF302D-100-200
2½" - 3"	765	nylon, 26/29 mesh, rectangular opening, (.025 x .030)	BF30D-250-300	BF302D-250-300
1" - 2"	40-42	nonwoven rayon	BF30E-100-200	BF302E-100-200
2½" - 3"	40-42	nonwoven rayon	BF30E-250-300	BF302E-250-300
1" - 2"	<40	nonwoven rayon	BF30F-100-200	BF302F-100-200
2½" - 3"	<40	nonwoven rayon	BF30F-250-300	BF302F-250-300
1" - 2"	420	woven nylon, 40 mesh	BF30G-100-200	BF302G-100-200
2½" - 3"	420	woven nylon, 40 mesh	BF30G-250-300	BF302G-250-300

Wire Cloth Mesh Over Screens

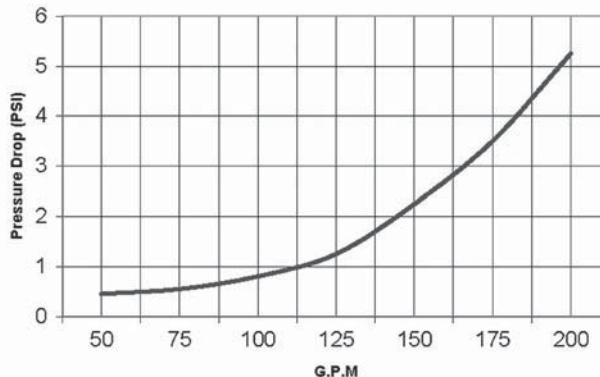
- Not all sizes are stocked additional sizes may be available (5 piece minimum), call the factory. Not included with base unit.

Size	Micron Rating	Square Mesh	Space Between Wires	Percent of Open Area	Short Part Number	Long/Side Entry Part Number
1" - 2"	864	20	0.034	46.2	BS20-100-200	BS202-100-200
2½" - 3"	864	20	0.034	46.2	BS20-250-300	BS202-250-300
1" - 2"	381	40	0.015	36.0	BS40-100-200	BS402-100-200
2½" - 3"	381	40	0.015	36.0	BS40-250-300	BS402-250-300
1" - 2"	229	60	0.009	30.3	BS60-100-200	BS602-100-200
2½" - 3"	229	60	0.009	30.3	BS60-250-300	BS602-250-300
1" - 2"	178	80	0.007	31.4	BS80-100-200	BS802-100-200
2½" - 3"	178	80	0.007	31.4	BS80-250-300	BS802-250-300
1" - 2"	140	100	0.006	30.3	BS100-100-200	BS1002-100-200
2½" - 3"	140	100	0.006	30.3	BS100-250-300	BS1002-250-300

Pressure Drop Curves for Filter and Strainer

Water at ambient temperature

- maximum flow for short units is 125 GPM



Dual Filters / Strainers

Use when system needs to be cleaned regularly but product flow needs to be maintained. Short, long and side entry dual units are available with manual or actuated valves, contact Dixon Sanitary for information.

Design Using 3-way Ball Valves



Description	Part #	Qty
3-way L port ball valve, sizes 1" to 3"	BV3SVTF	4
Heavy duty clamps, sizes 1" to 3", various styles	13MHM-Q	4
Clamp gaskets in various materials, 1" to 3"	40MP	4
clamp 90° elbow, sizes 1" to 3"	B2CMP-R	4
clamp gaskets in various materials, sizes 1" to 3"	40MP	8

Design Using Butterfly Valves



Description	Part #	Qty
Clamp true Y, 1" to 3"	B28AMP-R	2
Heavy duty squeeze clamps, sizes 1" to 3"	13MHM-Q	12
Clamp gaskets in various materials, 1" to 3"	40MP	16
Clamp 90° elbow, sizes 1" to 3"	B2CMP-R	4
Clamp 45° elbow, sizes 1" to 3"	B2KMP-R	4
Butterfly valve, various handle, actuation and seat materials, sizes 1" to 3"	B5101	4

Bradford™ Sample Valves

Sample Valve Selection



Product Specifications

Size range:

- ½" - 3" OD

Materials:

- G = 304 stainless steel
- R = 316L stainless steel

Finish:

- 3A sanitary finish ID and OD

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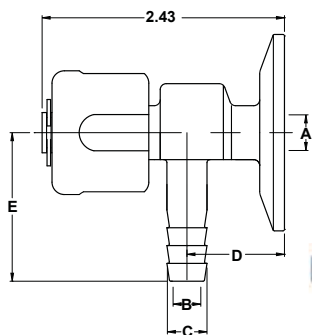
316 Sample Valve..... 116

304 Sample Valve..... 117

316 Sample Valves - BSVACV

- all 316L stainless wetted part construction
- standard finish to 20 R_a ID / 32 R_a OD
- Viton® O-ring
- fully traceable (material test reports)
- domed virgin Teflon® seat for positive closure
- minimal internal dead-leg area
- sizes available: ½" thru 3"
- temperature rating: **300°F at 200 PSI**
- repair kit, **BSVA-RKS**, contains: (1) Teflon® seat and (1) Viton® O-ring

Q

Sample
Valves

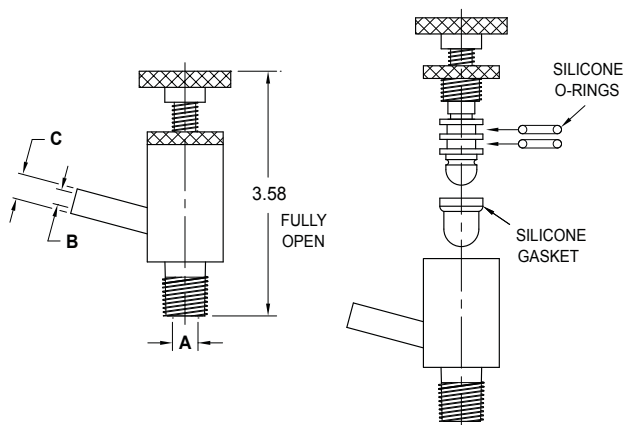
Clamp Size	Barb Size	A	B	C	D	E	Weight (lbs)	316 Stainless Steel Part Number
½"	1/4"	.218	.187	.312	.972	1.50	.250	BSVACV-R050025
½"	3/8"	.218	.218	.405	.952	1.50	.375	BSVACV-R050375
½"	1/2"	.218	.375	.540	.878	1.50	.500	BSVACV-R050050
1½"	1/4"	.218	.187	.312	.987	1.50	.500	BSVACV-R150025
1½"	3/8"	.218	.218	.405	.985	1.50	.500	BSVACV-R150375
NEW 2"	1/4"	.218	.187	.312	.987	1.50	.700	BSVACV-R200025 NEW
3"	1/4"	.218	.187	.312	.987	1.50	.800	BSVACV-R300025

Sample Valves

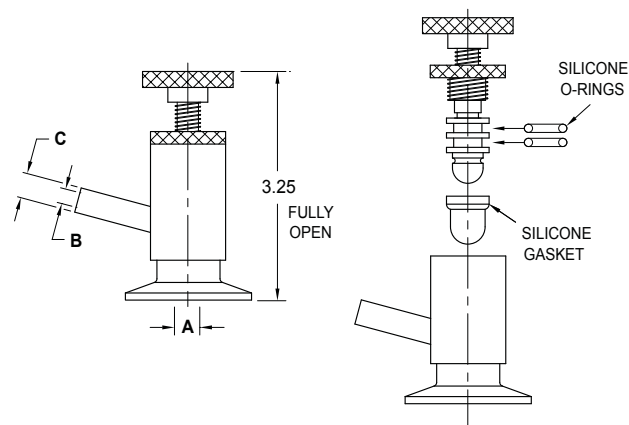
304 Sample Valves - BSVW*S

- 304 stainless steel
- silicone O-rings and gasket ensure a leak-proof shut-off
- surface finish polished to sanitary standards
- temperature rating: **300°F at 200 PSI**
- repair kit, **BSVW-RKS**, contains: (1) silicone gasket and (2) silicone O-rings

Size	Style	A	B	C	Open	Weight (lbs)	304 Stainless Steel Part Number
3/8"	NPT	.360	.235	.378	3.58	.72	BSVWNS-G375
1"	clamp	.360	.235	.378	3.25	.88	BSVWCS-G100
1"	butt-weld	.360	.235	.235	3.58	.72	BSVWBS-G100



NPT style



Clamp style

Bradford™ Check Valves

Check Valve Selection



Product Specifications

Size range:

- ½" - 4" OD

Materials:

- G = 304 stainless steel
- R = 316L stainless steel

Finish:

- 3A sanitary finish ID and OD



for more information
see the Engineered Products Catalog



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R

Check
Valves

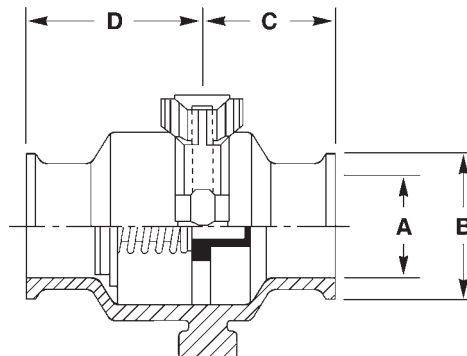
Spring Check Valves	119-120
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Air Blow Check Valves.....	123-124
Air Relief Valves	125-126

Spring Check Valves



Product Specifications



- 3A authorized
- full size flow plate
- long stem bushing for increased cycle life
- suitable for low and medium viscosity fluids
- field serviceable (no special tools required)

- various end connections available
- sizes from ½" thru 4"
- operating temperature range: **15°F to 200°F**
- maximum operating pressure: **145 PSI**

Size	A	B	C	D	Cracking Pressure (PSI)	Flow Coefficient (CV)	316L Stainless Steel Part Number
½"	.370	.992	1.1	1.6	10	5	B45MP-R50
¾"	.620	.992	1.1	1.6	4	8	B45MP-R75
1"	.870	1.988	1.7	2.3	.8	12	B45MP-R100
1½"	1.370	1.988	1.7	2.3	1.6	20	B45MP-R150
2"	1.870	2.519	1.7	2.3	1.4	40	B45MP-R200
2½"	2.370	3.051	1.7	2.3	.9	60	B45MP-R250
3"	2.870	3.582	1.7	2.3	.5	100	B45MP-R300
4" *	3.834	4.682	1.7	2.7	.5	210	B45MP-R400

* 4" uses bolted construction in place of clamp

Dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

repair kits

Size	Part Number
½"	B45MP-RK050
¾"	B45MP-RK075
1"	B45MP-RK100
1½"	B45MP-RK150
2"	B45MP-RK200
2½"	B45MP-RK250
3"	B45MP-RK300
4"	B45MP-RK400

Repair Kit contains:

- (1) 316L stainless spring
- (1) Viton® plunger O-ring
- (2) Buna body O-ring *

- * (1) Buna O-ring in ½", ¾", 4"

Size	Viton® Part Number
½"	B45MP-RKV050
¾"	B45MP-RKV075
1"	B45MP-RKV100
1½"	B45MP-RKV150
2"	B45MP-RKV200
2½"	B45MP-RKV250
3"	B45MP-RKV300
4"	B45MP-RKV400

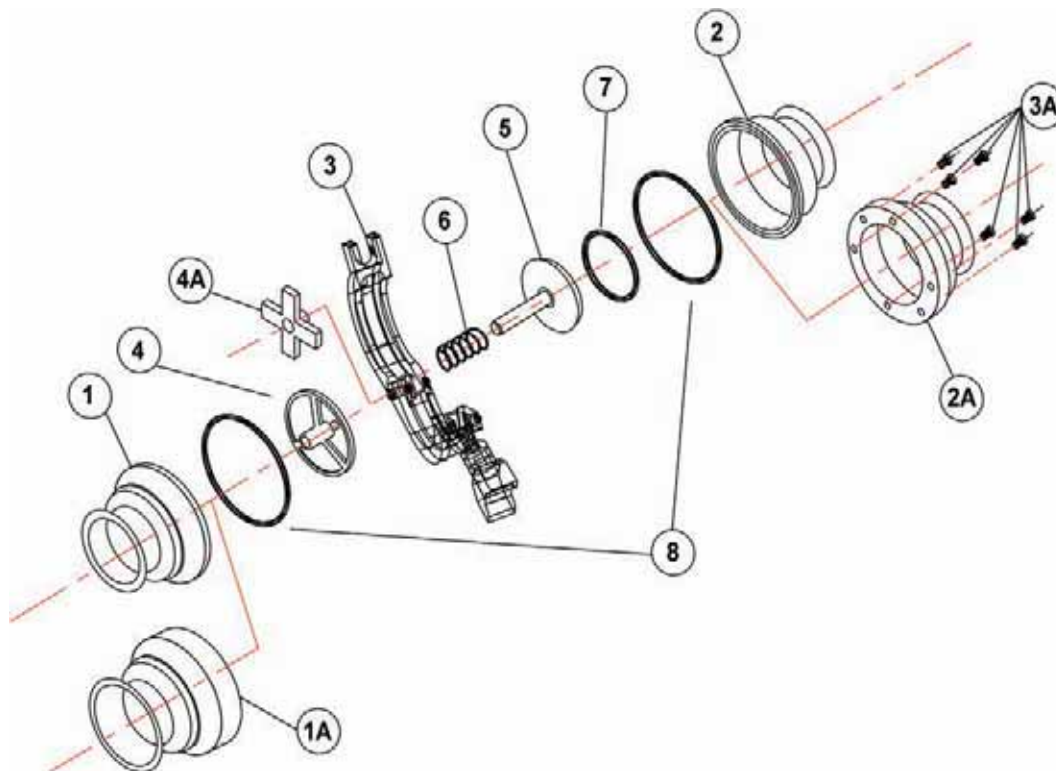
Viton® Repair Kit contains:

- (1) 304L stainless spring
- (1) Viton® stem O-ring
- (2) Viton® body O-ring *

- * (1) Viton® O-ring in ½", ¾", 4"

Spring Check Valves

Bill of Materials



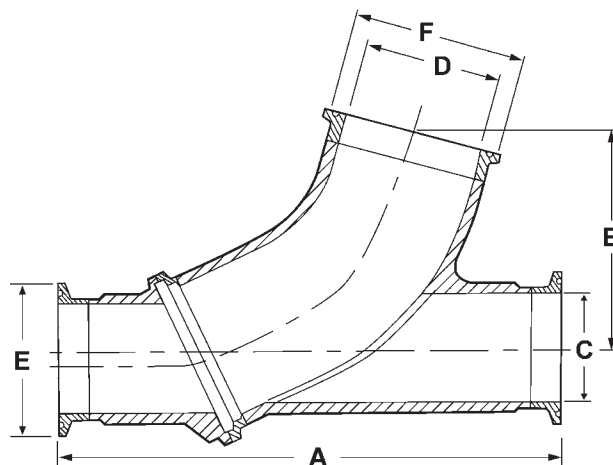
Item #	Description	Material	Quantity Required		
			½" - ¾"	1" - 3"	4" *
1	upper body housing	316L stainless	1	1	n/a
1A	upper body housing	316L stainless	n/a	n/a	1
2	lower body housing	316L stainless	1	1	n/a
2A	lower body housing	316L stainless	n/a	n/a	1
3	single pin clamp	CF8 stainless	1	1	n/a *
3A	body bolt	304 stainless	n/a	n/a	6
4	flow plate	CF8M stainless	n/a	1	1
4A	flow plate	CF8M stainless	1	n/a	n/a
5	plunger	316L stainless	1	1	1
6	spring	316L stainless	1	1	1
7	stem O-ring	Viton®	1	1	1
8	body O-ring	NBR (Buna)	1	2	1

* 4" uses bolted construction instead of clamp

Y-Ball Check Valves

A
3
1447

Product Specifications



- 3A authorized
- two-piece construction
- replace seat instead of entire valve
- PTFE ball
- field serviceable (no special tools required)

- all metal product surfaces are 316L stainless steel construction
- operating temperature range: **15°F to 200°F**
- maximum operating pressure: **150 PSI**

Valve Size	Clamp & Cap Size	A	B	C	D	E	F	Ball Diameter	Weight (lbs)	316L Stainless Steel Part Number
1½"	2"	7.50	3.30	1.36	1.87	1.98	2.51	1.6	4.9	B45BY-R150
2"	2½"	8.50	3.90	1.86	2.33	2.51	3.04	2.1	6.6	B45BY-R200
2½"	3"	10.00	4.50	2.37	2.87	3.04	3.57	2.7	10.5	B45BY-R250
3"	4"	11.50	5.30	2.87	3.83	3.57	4.68	3.6	17.5	B45BY-R300

Dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

Repair and Seal Kits

Size	Repair Kit Part Number	Seal Kit Part Number	Viton® Seal Kit Part Number
1½"	B45BY-RK150	B45BY-SK150	B45BY-SKV150
2"	B45BY-RK200	B45BY-SK200	B45BY-SKV200
2½"	B45BY-RK250	B45BY-SK250	B45BY-SKV250
3"	B45BY-RK300	B45BY-SK300	B45BY-SKV300

Repair Kit contains:

- (1) EPDM cap gasket
- (1) PTFE ball
- (1) EPDM/CF3M seat

Seal kit contains:

- (1) EPDM cap gasket
- (1) EPDM/CF3M seat

Viton® Seal kit contains:

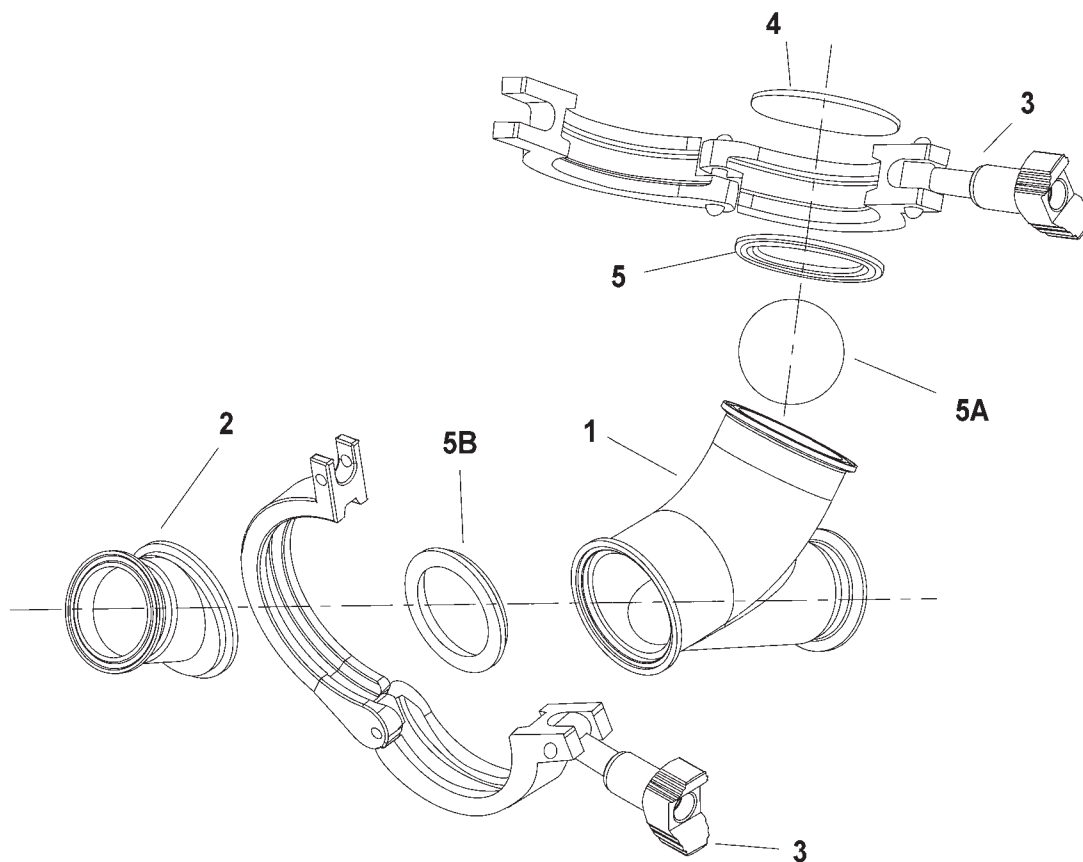
- (1) Viton® cap gasket
- (1) Viton® /CF3M seat

R

Check
Valves

Y-Ball Check Valves

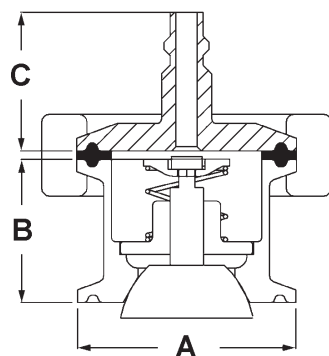
Bill of Materials



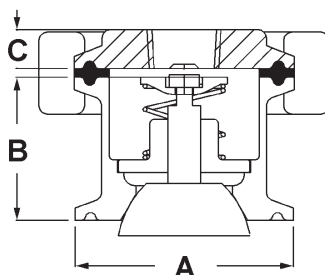
Item #	Description	Material	Quantity
1	angle body	316L stainless	1
2	inlet body	316L stainless	1
3	single pin clamp	CF8 stainless	2
4	clamp end cap	316L stainless	1
5	cap gasket	EPDM	1
5A	ball	PTFE	1
5B	seat	EPDM/CF-8M stainless	1

Air Blow Check Valves

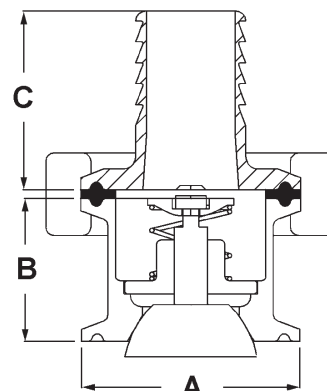
Product Specifications



B45AB



B45BC



B45CC

- 3A authorized
- 316L stainless steel with EPDM stem seat and gasket
- sizes from 1½" thru 4"
- maximum operating temperature: **212°F**
- maximum operating pressure: **145 PSI**

Size	A	B	C ¼" Plug	C ½" FNPT	C 1" Hose Barb	Quick-Connect Plug Part Number	Female NPT Part Number	Hose Barb Part Number
1" - 1½"	1.984	1.30	1.26	0.6	1.7	B45AB-R100150	B45BC-R100150	B45CC-R100150
2"	2.516	1.30	1.26	0.6	1.7	B45AB-R200	B45BC-R200	B45CC-R200
2½"	3.047	1.30	1.26	0.6	1.7	B45AB-R250	B45BC-R250	B45CC-R250
3"	3.579	1.30	1.26	0.6	1.7	B45AB-R300	B45BC-R300	B45CC-R300
4"	4.682	1.30	1.26	0.6	1.7	B45AB-R400	B45BC-R400	B45CC-R400

Dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

Repair Kit

- repair kit, **B45AB-RK**, contains contains:
- (1) EPDM / 316L stainless perforated disc
 - (1) 304 stainless spring retainer
 - (1) 304 stainless spring
 - (1) nylon stem guide
 - (1) EPDM / 316L stem and plug

Sizing Guide

When using air blow check valves with ball check valves, refer to the sizing chart below.

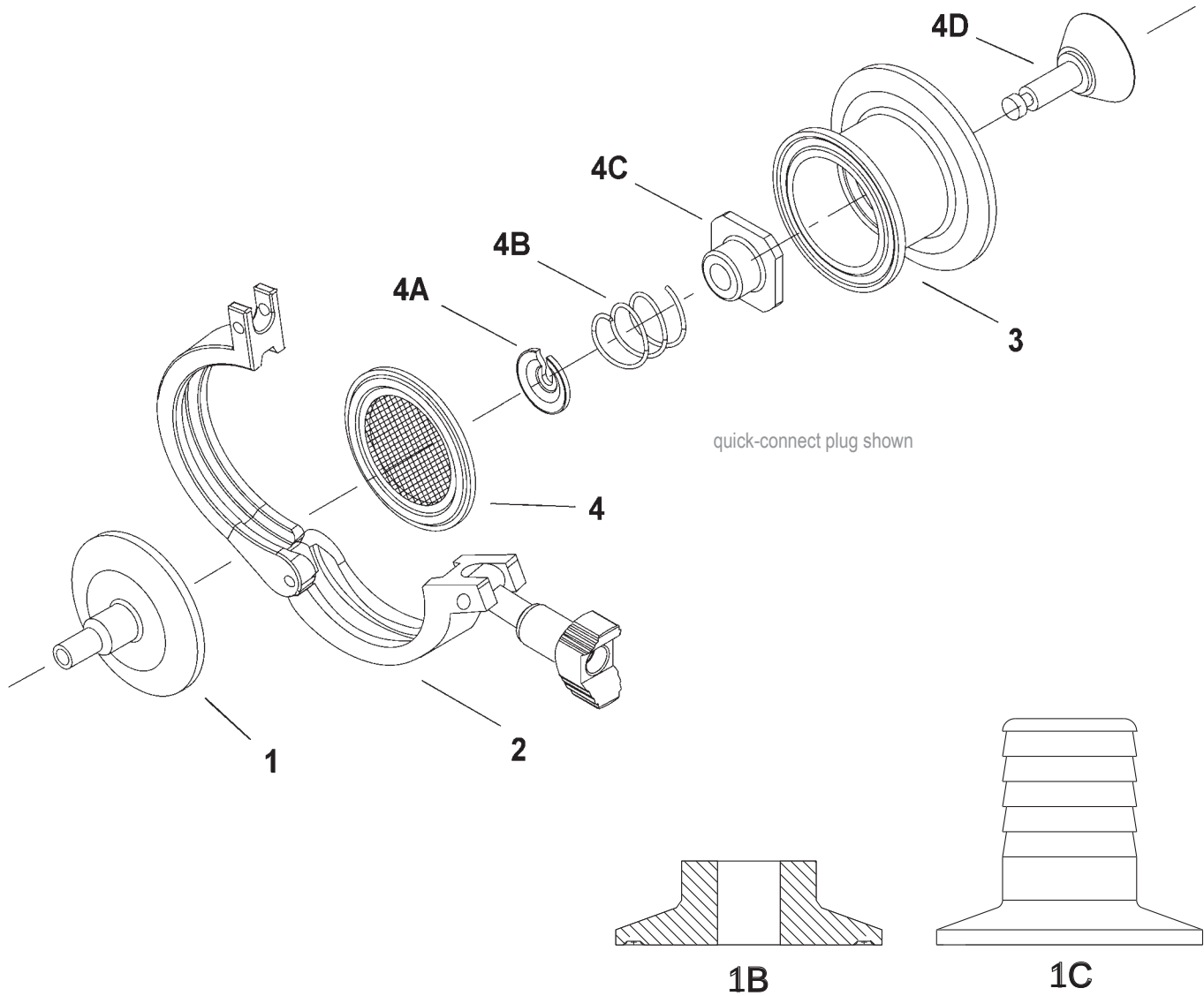
Ball Check Valve size	Air Blow Check Valve size
1½"	2"
2"	2½"
2½"	3"
3"	4"

R

Check
Valves

Air Blow Check Valves

Bill of Materials



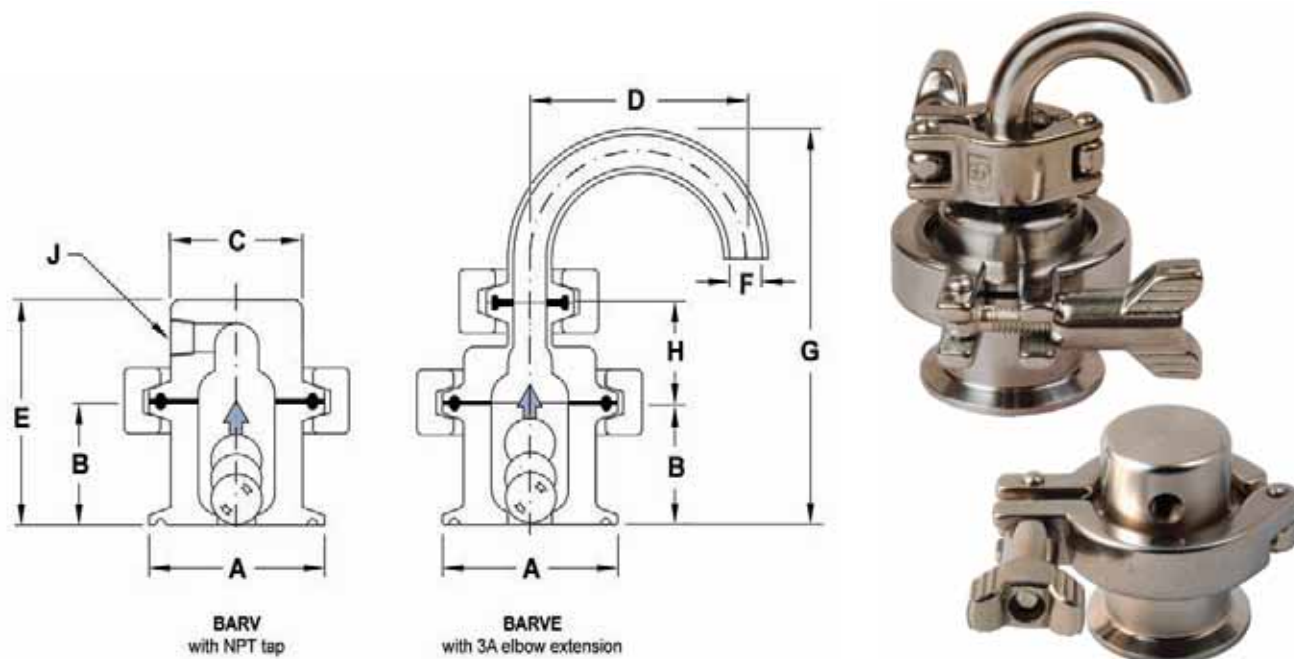
Item	Description	Material	Quantity
1	1/4" air line quick connect	316L	1
1B	1/2" NPT cap	316L	1
1C	1" hose barb	316L	1
2	single pin clamp	CF8	1
3	valve body	316L	1
4	perforated disc	EPDM/316L	1
4A	spring retainer	304	1
4B	spring	304	1
4C	stem guide	nylon	1
4D	stem and plug	EPDM/316L	1
Filter Discs (optional) <i>Must be used when installed in 3A applications</i>			
	filter disc pack	1 micron filter	50

- filter discs (optional) must be used when installed for Accepted Practice 3A 604-05, supplying air under pressure in contact with milk, milk products and product contact.

Air Relief Valves

A
3
1447 58-00

Product Specifications



- 3A authorized
- no special tools required
- ball and gaskets are replaceable
- The valve seals for both pressure and vacuum.
- All product contact surfaces have a radius of 1/4" or better.

- The valve ball is constructed of FDA, 3A approved polypropylene.
- PTFE valve ball is available
- other gasket materials available
- maximum operating temperature: **212°F**
- maximum PSI: **145**

Description	A	B	C	D	E	F	G	H	J	304 Stainless Steel Part Number
1½" air relief valve with tapped blind end	1.98	1.4	1.5	---	2.4	---	---	---	1/8" NPT	BARV-G150
2" air relief valve with tapped blind end	2.51	1.4	1.5	---	2.4	---	---	---	1/8" NPT	BARV-G200
1½" air relief valve with 180° elbow	1.98	1.4	---	1.5	---	0.37	4.5	1.1	---	BARVE-G150 
2" air relief valve with 180° elbow	2.51	1.4	---	1.5	---	0.37	4.5	1.1	---	BARVE-G200 

Dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

Working Principle

The Bradford™ air relief valve allows air to be removed from a line or container without the liquid flowing out. Its design does not allow air to enter the line or container, even if subjected to a negative pressure. It is a double-seated valve with a freely moving polypropylene ball. The ball, which is lighter than water, closes against the upper or lower seat, depending on the pressure conditions.

Applications

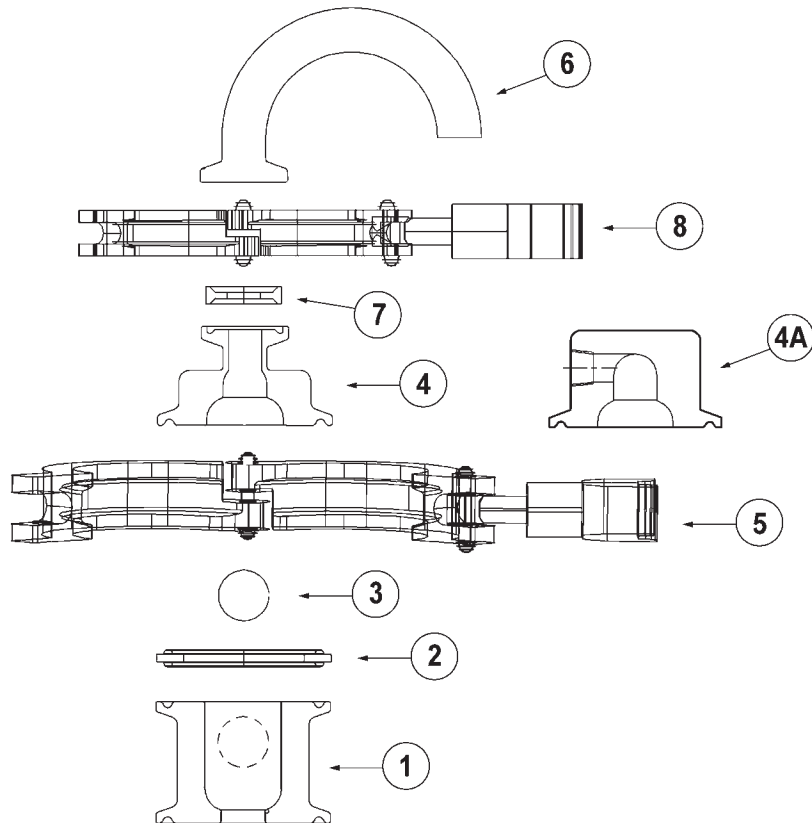
1. Bleeding of a tube line where an air pocket has formed. This application calls for installation at the top of the tube.
2. Bleeding of a tube on the suction side of a pump. The suction side is bled automatically, before the pump starts, establishing a vacuum. Binding of air to liquid will be prevented, and so will subsequent cavitation. In this application the valve is mounted in front of the pump, on the top of the inlet tube.

R

Check
Valves

Air Relief Valves

Bill of Materials



Item #	Description	Material	Quantity Required	
			elbow	tapped
1	body	304 stainless	1	1
2	1" gasket	EPDM	1	1
3	ball	polypropylene	1	1
4	3A cover	304 stainless	1	n/a
4A	tapped cover	304 stainless	n/a	1
5	1½" clamp	CF8 stainless	1	1
6	180° tube ferrule	304 stainless	1	n/a
7	½" gasket	EPDM	1	n/a
8	½" clamp	CF8 stainless	1	n/a

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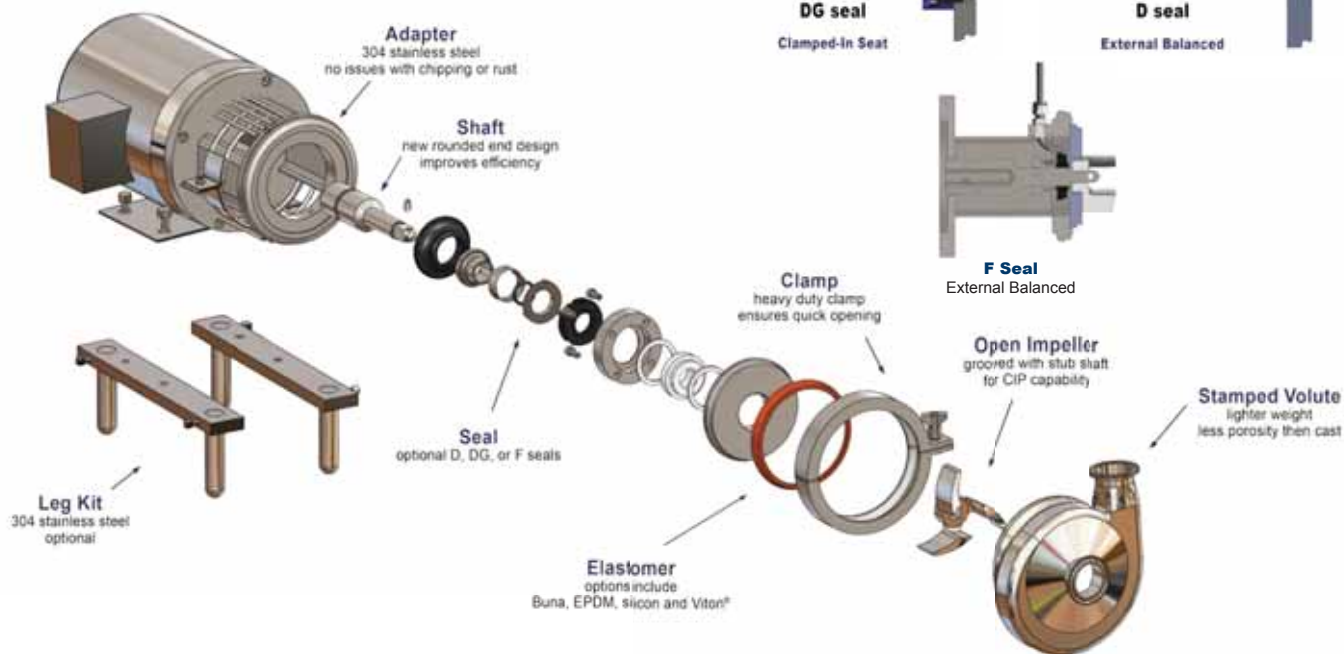
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go to bradfordfittings.com to download the pump brochure, engineering manual and repair kit flyer for more information see the Engineered Products catalog

Pump Explosion



phone: 800.789.1718

fax: 800.789.4046

email: pumps@bradfordfittings.com

Bradford™ Butterfly Valves

Butterfly Valve Selection



Product Specifications

Size range:

- ½" - 8" OD

Materials:

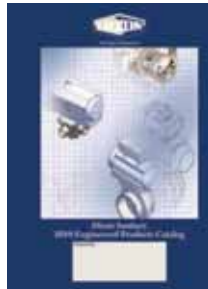
- stainless steel

Seat Materials:

- Silicone
- EPDM
- FKM (Viton®)

Finish:

- 3A sanitary finish ID and OD



for more information
see the Engineered Products Catalog



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Index

5101 series	129-134	5104 series	137-140
5102 series	135-136	Automation	141

B5101 Series Butterfly Valves



Product Specifications



- 100% tested / 100% inspected
- all wetted surfaces are sanitary finished to < 32R_a
- field serviceable (no special tools required)
- seat materials available include: silicone, EPDM, Viton®, (6" EPDM and silicone, 8" EPDM only)
- minimal line pressure: 0.4 inches Hg vacuum @ 68°F
- operating temperature range: **15°F to 200°F**

Information supplied based on water media @ 68°F

Size	Break Torque (in. lbs.) silicone	Break Torque (in. lbs.) EPDM	Break Torque (in. lbs.) Viton®	Pressure Rating (PSI)	Flow Coefficient (CV)	Weight w/standard handle (lbs.)
1/2"	20	75	70	140	7	2.2
3/4"	20	75	70	140	11	2.2
1"	20	75	70	140	23	2.2
1 1/2"	40	130	125	140	80	2.9
2"	55	165	175	140	230	3.5
2 1/2"	70	210	220	110	264	3.7
3"	165	350	310	110	372	4.4
4"	350	540	450	85	800	9
6"	700	1550	n/a	60	1200	18.5
8"	n/a	1650	n/a	60	2800	13.6

B5101 Series Butterfly Valves with Pull Handle

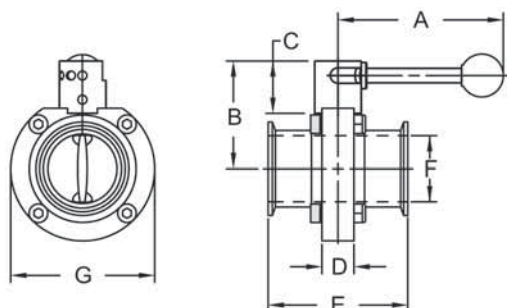
Clamp End

- high pressure 4" butterfly is available, call Dixon Sanitary for more information

Part Numbers

Size	with Silicone seats	with EPDM seats	with Viton® seats
½"	B5101S050CC-A	B5101E050CC-A	B5101V050CC-A
¾"	B5101S075CC-A	B5101E075CC-A	B5101V075CC-A
1"	B5101S100CC-A	B5101E100CC-A	B5101V100CC-A
1½"	B5101S150CC-A	B5101E150CC-A	B5101V150CC-A
2"	B5101S200CC-A	B5101E200CC-A	B5101V200CC-A
2½"	B5101S250CC-A	B5101E250CC-A	B5101V250CC-A
3"	B5101S300CC-A	B5101E300CC-A	B5101V300CC-A
4"	B5101S400CC-A	B5101E400CC-A	B5101V400CC-A
6"	B5101S600CC-A	B5101E600CC-A	---
8"	---	B5101E800CC-A	---

Dimensions



Size	A	B	C	D	E	F	G
½"	4.4	2.8	1.4	.9	3.5	.37	3.1
¾"	4.4	2.8	1.4	.9	3.5	.62	3.1
1"	4.4	2.8	1.4	.9	3.5	.9	3.1
1½"	4.4	2.8	1.4	.9	3.5	1.4	3.1
2"	4.4	3.1	1.4	.9	3.8	1.9	3.9
2½"	4.4	3.5	1.4	.9	3.8	2.4	4.6
3"	6.2	3.8	1.3	1.2	4.1	2.9	5.2
4"	6.2	4.5	1.3	1.2	4.8	3.8	6.7
6"	11.5	5.5	1.3	1.2	5.5	5.8	8.5
8"	18	6.9	1.6	1.2	4.9	7.8	11.2

B5101 Series Butterfly Valves with Pull Handle

Weld End

Part Numbers

Size	with Silicone seats	with EPDM seats	with Viton® seats
½"	B5101S050BB-A	B5101E050BB-A	B5101V050BB-A
¾"	B5101S075BB-A	B5101E075BB-A	B5101V075BB-A
1"	B5101S100BB-A	B5101E100BB-A	B5101V100BB-A
1½"	B5101S150BB-A	B5101E150BB-A	B5101V150BB-A
2"	B5101S200BB-A	B5101E200BB-A	B5101V200BB-A
2½"	B5101S250BB-A	B5101E250BB-A	B5101V250BB-A
3"	B5101S300BB-A	B5101E300BB-A	B5101V300BB-A
4"	B5101S400BB-A	B5101E400BB-A	B5101V400BB-A
6"	B5101S600BB-A	B5101E600BB-A	---
8"	---	B5101E800BB-A	---

Dimensions



Size	A	B	C	D	E	F	G
½"	4.3	2.6	1.3	.9	1.9	.37	3.1
¾"	4.3	2.6	1.3	.9	1.9	.62	3.1
1"	4.4	2.8	1.4	.9	1.9	.9	3.1
1½"	4.4	2.8	1.4	.9	1.9	1.4	3.1
2"	4.4	3.1	1.4	.9	2.0	1.9	3.9
2½"	4.4	3.5	1.4	.9	2.1	2.4	4.6
3"	6.2	3.8	1.3	1.2	2.5	2.9	5.2
4"	6.2	4.5	1.3	1.2	3.1	3.8	6.7
6"	11.5	5.5	1.3	1.2	5.5	5.8	8.5
8"	18	6.9	1.6	1.2	4.9	7.8	11.2

Dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

B5101 Series Butterfly Valves with Infinite Handle

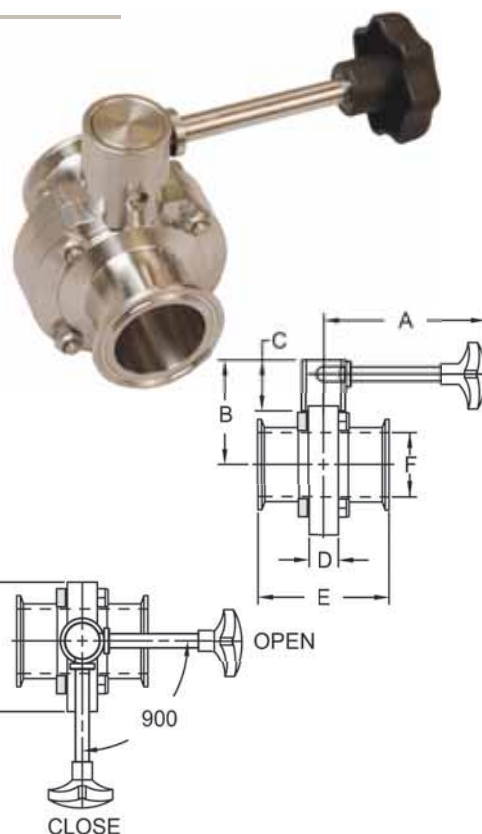
Clamp End

Part Numbers

Size	with Silicone seats	with EPDM seats	with Viton® seats
1/2"	B5101S050CC-B	B5101E050CC-B	B5101V050CC-B
3/4"	B5101S075CC-B	B5101E075CC-B	B5101V075CC-B
1"	B5101S100CC-B	B5101E100CC-B	B5101V100CC-B
1 1/2"	B5101S150CC-B	B5101E150CC-B	B5101V150CC-B
2"	B5101S200CC-B	B5101E200CC-B	B5101V200CC-B
2 1/2"	B5101S250CC-B	B5101E250CC-B	B5101V250CC-B
3"	B5101S300CC-B	B5101E300CC-B	B5101V300CC-B
4"	B5101S400CC-B	B5101E400CC-B	B5101V400CC-B

Dimensions

Size	A	B	C	D	E	F	G
1/2"	4.3	2.6	1.3	.9	3.5	.37	3.1
3/4"	4.3	2.6	1.3	.9	3.5	.62	3.1
1"	4.3	2.6	1.3	.9	3.5	.90	3.1
1 1/2"	4.3	2.6	1.3	.9	3.5	1.40	3.1
2"	4.3	2.9	1.3	.9	3.8	1.90	3.1
2 1/2"	4.3	3.3	1.3	.9	3.8	2.40	4.6
3"	6.4	3.6	1.3	1.2	4.1	2.90	5.2
4"	6.4	4.4	1.3	1.2	4.8	3.80	6.7



B5101 Series Butterfly Valves with Infinite Handle

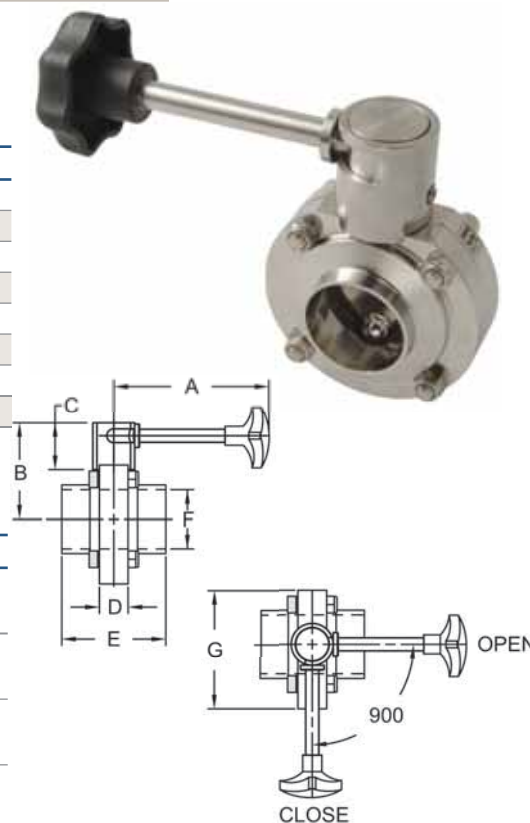
Weld End

Part Numbers

Size	with Silicone seats	with EPDM seats	with Viton® seats
1/2"	B5101S050BB-B	B5101E050BB-B	B5101V050BB-B
3/4"	B5101S075BB-B	B5101E075BB-B	B5101V075BB-B
1"	B5101S100BB-B	B5101E100BB-B	B5101V100BB-B
1 1/2"	B5101S150BB-B	B5101E150BB-B	B5101V150BB-B
2"	B5101S200BB-B	B5101E200BB-B	B5101V200BB-B
2 1/2"	B5101S250BB-B	B5101E250BB-B	B5101V250BB-B
3"	B5101S300BB-B	B5101E300BB-B	B5101V300BB-B
4"	B5101S400BB-B	B5101E400BB-B	B5101V400BB-B

Dimensions

Size	A	B	C	D	E	F	G
1/2"	4.3	2.6	1.3	.9	1.9	.37	3.1
3/4"	4.3	2.6	1.3	.9	1.9	.62	3.1
1"	4.3	2.6	1.3	.9	1.9	.90	3.1
1 1/2"	4.3	2.6	1.3	.9	1.9	1.40	3.1
2"	4.3	2.9	1.3	.9	2.0	1.90	3.1
2 1/2"	4.3	3.3	1.3	.9	2.1	2.40	4.6
3"	6.4	3.6	1.3	1.2	2.5	2.90	5.2
4"	6.4	4.4	1.3	1.2	3.1	3.80	6.7

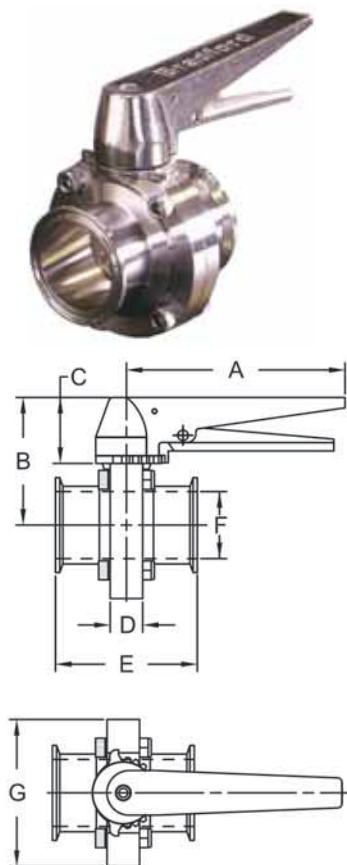


Dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

B5101 Series Butterfly Valves with Trigger Handle

Clamp End

- 1/4" hole for lock-out tag-out



Part Numbers

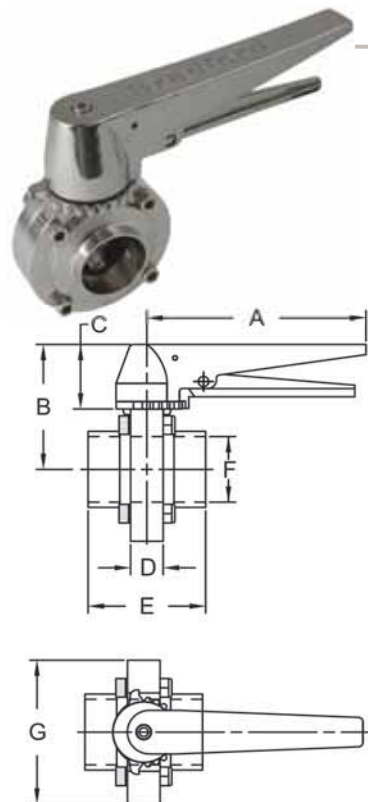
Size	with Silicone seats	with EPDM seats	with Viton® seats
1/2"	B5101S050CC-C	B5101E050CC-C	B5101V050CC-C
3/4"	B5101S075CC-C	B5101E075CC-C	B5101V075CC-C
1"	B5101S100CC-C	B5101E100CC-C	B5101V100CC-C
1 1/2"	B5101S150CC-C	B5101E150CC-C	B5101V150CC-C
2"	B5101S200CC-C	B5101E200CC-C	B5101V200CC-C
2 1/2"	B5101S250CC-C	B5101E250CC-C	B5101V250CC-C
3"	B5101S300CC-C	B5101E300CC-C	B5101V300CC-C
4"	B5101S400CC-C	B5101E400CC-C	B5101V400CC-C

Dimensions

Size	A	B	C	D	E	F	G
1/2"	6.6	3.0	1.7	.9	3.5	.37	3.1
3/4"	6.6	3.0	1.7	.9	3.5	.62	3.1
1"	6.6	3.0	1.7	.9	3.5	.90	3.1
1 1/2"	6.6	3.0	1.7	.9	3.5	1.40	3.1
2"	6.6	3.5	1.7	.9	3.8	1.90	3.1
2 1/2"	6.6	3.7	1.7	.9	3.8	2.40	4.6
3"	6.6	3.9	1.7	1.2	4.1	2.90	5.2
4"	6.6	4.8	1.7	1.2	4.8	3.80	6.7

B5101 Series Butterfly Valves with Trigger Handle

Weld End



Part Numbers

Size	with Silicone seats	with EPDM seats	with Viton® seats
1/2"	B5101S050BB-C	B5101E050BB-C	B5101V050BB-C
3/4"	B5101S075BB-C	B5101E075BB-C	B5101V075BB-C
1"	B5101S100BB-C	B5101E100BB-C	B5101V100BB-C
1 1/2"	B5101S150BB-C	B5101E150BB-C	B5101V150BB-C
2"	B5101S200BB-C	B5101E200BB-C	B5101V200BB-C
2 1/2"	B5101S250BB-C	B5101E250BB-C	B5101V250BB-C
3"	B5101S300BB-C	B5101E300BB-C	B5101V300BB-C
4"	B5101S400BB-C	B5101E400BB-C	B5101V400BB-C

Dimensions

Size	A	B	C	D	E	F	G
1/2"	6.6	3.0	1.7	.9	1.9	.37	3.1
3/4"	6.6	3.0	1.7	.9	1.9	.62	3.1
1"	6.6	3.0	1.7	.9	1.9	.90	3.1
1 1/2"	6.6	3.0	1.7	.9	1.9	1.40	3.1
2"	6.6	3.5	1.7	.9	2.0	1.90	3.9
2 1/2"	6.6	3.7	1.7	.9	2.1	2.40	4.6
3"	6.6	3.9	1.7	1.2	2.5	2.90	5.2
4"	6.6	4.8	1.7	1.2	3.1	2.90	6.7

Dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

B5101 Series Butterfly Valves with Push Handle

Clamp End

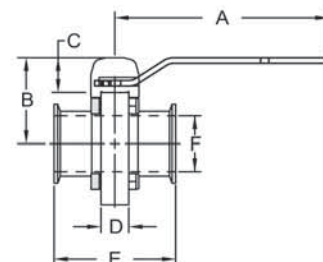
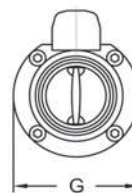
Part Numbers

Size	with Silicone seats	with EPDM seats	with Viton® seats
½"	B5101S050CC-D	B5101E050CC-D	B5101V050CC-D
¾"	B5101S075CC-D	B5101E075CC-D	B5101V075CC-D
1"	B5101S100CC-D	B5101E100CC-D	B5101V100CC-D
1½"	B5101S150CC-D	B5101E150CC-D	B5101V150CC-D
2"	B5101S200CC-D	B5101E200CC-D	B5101V200CC-D
2½"	B5101S250CC-D	B5101E250CC-D	B5101V250CC-D
3"	B5101S300CC-D	B5101E300CC-D	B5101V300CC-D
4"	B5101S400CC-D	B5101E400CC-D	B5101V400CC-D



Dimensions

Size	A	B	C	D	E	F	G
½"	6.7	2.4	1.1	.9	3.5	.37	3.1
¾"	6.7	2.4	1.1	.9	3.5	.62	3.1
1"	6.7	2.4	1.1	.9	3.5	.90	3.1
1½"	6.7	2.0	1.1	.9	3.5	1.40	3.1
2"	6.7	2.7	1.1	.9	3.8	1.90	3.1
2½"	6.7	3.1	1.1	.9	3.8	2.40	4.6
3"	9.0	3.3	1.1	1.2	4.1	2.90	5.2
4"	9.0	4.1	1.1	1.2	4.8	3.80	6.7



B5101 Series Butterfly Valves with Push Handle

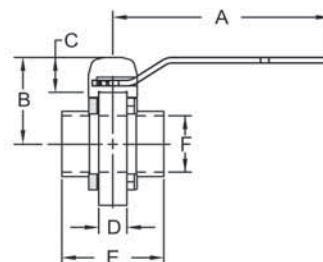
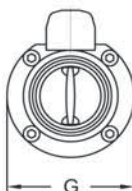
Weld End

Part Numbers

Size	with Silicone seats	with EPDM seats	with Viton® seats
½"	B5101S050BB-D	B5101E050BB-D	B5101V050BB-D
¾"	B5101S075BB-D	B5101E075BB-D	B5101V075BB-D
1"	B5101S100BB-D	B5101E100BB-D	B5101V100BB-D
1½"	B5101S150BB-D	B5101E150BB-D	B5101V150BB-D
2"	B5101S200BB-D	B5101E200BB-D	B5101V200BB-D
2½"	B5101S250BB-D	B5101E250BB-D	B5101V250BB-D
3"	B5101S300BB-D	B5101E300BB-D	B5101V300BB-D
4"	B5101S400BB-D	B5101E400BB-D	B5101V400BB-D

Dimensions

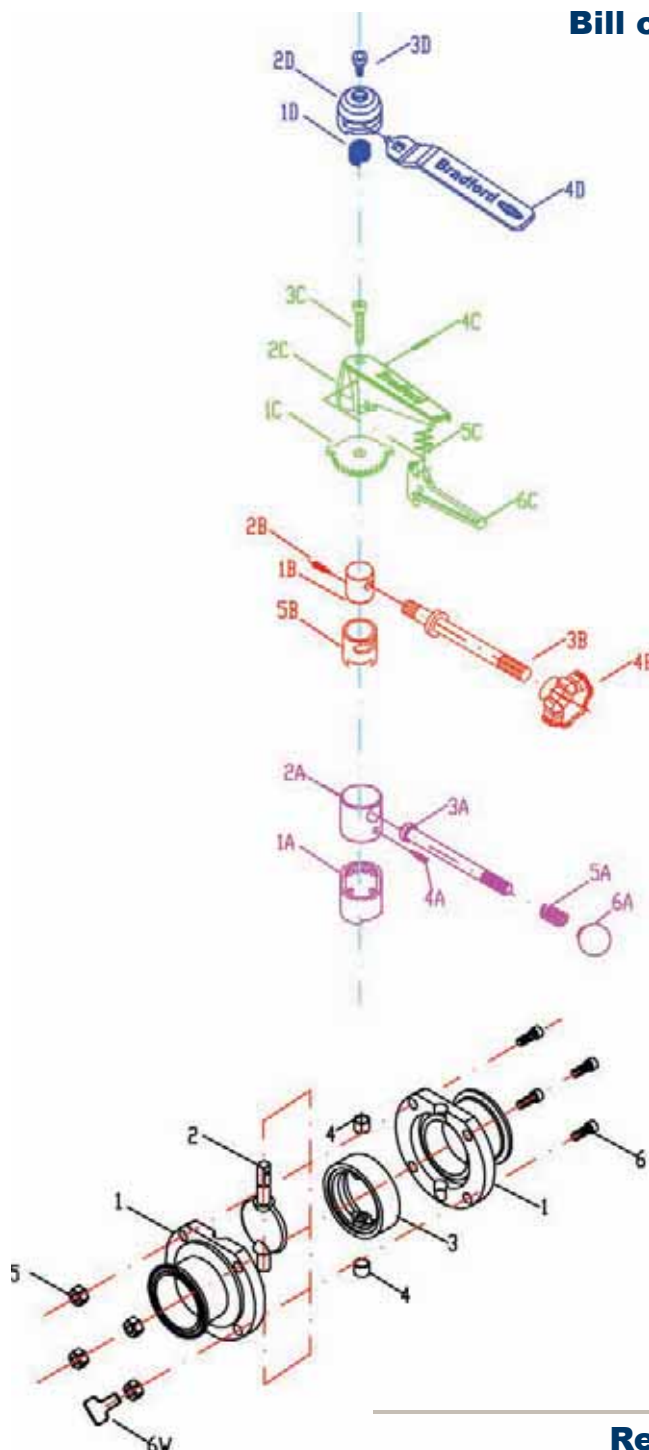
Size	A	B	C	D	E	F	G
½"	4.3	2.6	1.3	.9	1.9	.37	3.1
¾"	4.3	2.6	1.3	.9	1.9	.62	3.1
1"	4.3	2.6	1.3	.9	1.9	.90	3.1
1½"	4.3	2.6	1.3	.9	1.9	1.40	3.1
2"	4.3	2.9	1.3	.9	2.0	1.90	3.1
2½"	4.3	3.3	1.3	.9	2.1	2.40	4.6
3"	6.4	3.6	1.3	1.2	2.5	2.90	5.2
4"	6.4	4.4	1.3	1.2	3.1	3.80	6.7



Dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

B5101 Series Butterfly Valves

Bill of Materials



Item	Description	Material	Quantity
------	-------------	----------	----------

Push Handle

1D	spring	304	1
2D	hub	CF8	1
3D	hex socket bolt	304	1
4D	handle	304	1

Trigger Handle

1C	sprocket	CF8	1
2C	handle	CF8	1
3C	hex socket bolt	304	1
4C	pin	304	1
5C	spring	304	1
6C	trigger	CF8	1

Infinite Handle

1B	hub	CF8	1
2B	hex socket screw	304	1
3B	handle shaft	304	1
4B	knob	polymer	1
5B	hub housing	CF8	1

Pull Handle

1A	hub housing	CF8	1
2A	hub	CF8	1
3A	handle shaft	304	1
4A	hex socket screw	304	1
5A	spring	304	1
6A	knob	polymer	1

Valve

1	body half	CF8M	2
2	disc	CF8M	1
3	seat	silicone EPDM Viton®	1
4	bushing	polyacetal	2
5	hex nut	304	4*
6	bolt	304	4*
6W	optional wing nut kit	304	4*

* 4" and 8" valves have 6 bolts and nuts

* 6" valve has 8 bolts and nuts

Repair Kits

Repair Kit contains:

- (1) seat
- (2) bushings

Size	Red Silicone	Black EPDM	Brown Viton®
½"-1"	B5101-RKS100	B5101-RKE100	B5101-RKV100
1½"	B5101-RKS150	B5101-RKE150	B5101-RKV150
2"	B5101-RKS200	B5101-RKE200	B5101-RKV200
2½"	B5101-RKS250	B5101-RKE250	B5101-RKV250
3"	B5101-RKS300	B5101-RKE300	B5101-RKV300
4"	B5101-RKS400	B5101-RKE400	B5101-RKS400
6"	B5101-RKS600	B5101-RKE600	---
8"	---	B5101-RKE800	---

B5102 Series Butterfly Valves

Product Specifications

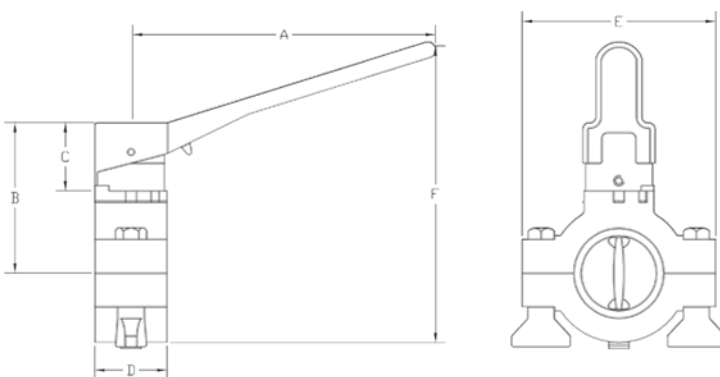
- various automatic operations available
- all wetted surfaces are sanitary finish
- all sizes use only $\frac{3}{4}$ " of line space
- use existing clamp ferrules
- no need for clamps, gaskets or welding
- PTFE valve disc bushings reduce friction and increase cycle life
- 3-position reversible handle
- 100% tested / 100% inspected
- field serviceable (no special tools required)
- seat materials available include: silicone, EPDM, Viton®
- can be easily modified for lockout / tagout
- minimal line pressure: 0.4 inches Hg vacuum @ 68°F
- operating temperature range: **15°F to 200°F**

Information supplied based on water media @ 68°F

Size	Break Torque (in-lbs.)	Assembly Torque (in-lbs.)	Pressure Rating (PSI)	Flow Coefficient (C _v)	Weight w/ standard handle (lbs.)
1"	125	36	140	23	1.5
1½"	185	36	140	80	2
2"	200	21.6	120	230	2.5
2½"	260	21.6	120	264	3
3"	350	28.8	100	372	4
4"	495	43.2	70	800	6

Part Numbers

Size	with Silicone seats	with EPDM seats	with FKM seats
1"	B5102S100-A	B5102E100-A	B5102V100-A
1½"	B5102S150-A	B5102E150-A	B5102V150-A
2"	B5102S200-A	B5102E200-A	B5102V200-A
2½"	B5102S250-A	B5102E250-A	B5102V250-A
3"	B5102S300-A	B5102E300-A	B5102V300-A
4"	B5102S400-A	B5102E400-A	B5102V400-A



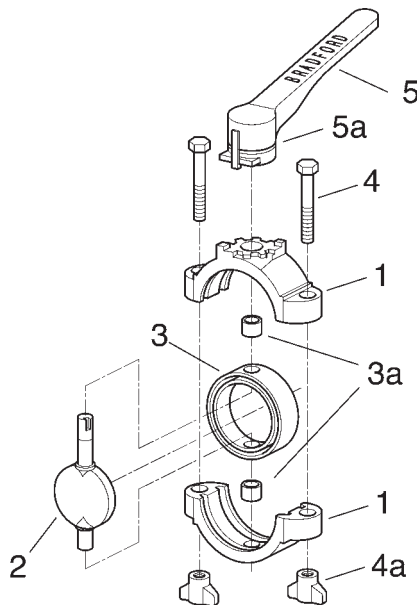
Dimensions

Size	A	B	C	D	E	F
1"	5.6	2.8	1.3	1.3	3.6	5.6
1½"	5.6	2.8	1.3	1.3	3.6	5.6
2"	5.6	3.0	1.3	1.3	4.1	6.1
2½"	5.6	3.3	1.3	1.3	4.6	6.6
3"	5.6	3.6	1.3	1.3	5.3	7.1
4"	5.6	4.1	1.3	1.3	6.4	8.2

Dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

B5102 Series Butterfly Valves

Bill of Materials



Item #	Description	Material	Quantity
1	body half	CF8 stainless	2
2	disc	316L stainless	1
3	seat	silicone, EPDM, FKM	1
3a	bushings	PTFE	2
4	bolt	304 stainless	2
4a	wing nut	304 stainless	2
5	handle	CF8 stainless	1
5a	handle connector	CF8 stainless	1

Repair Kits

Repair Kit contains:
 (1) seat
 (2) bushings

Size	Red Silicone	Black EPDM	Black FKM
1"	B5102-RKS100	B5102-RKE100	B5102-RKV100
1½"	B5102-RKS150	B5102-RKE150	B5102-RKV150
2"	B5102-RKS200	B5102-RKE200	B5102-RKV200
2½"	B5102-RKS250	B5102-RKE250	B5102-RKV250
3"	B5102-RKS300	B5102-RKE300	B5102-RKV300
4"	B5102-RKS400	B5102-RKE400	B5102-RKV400

B5104 Series Butterfly Valves



Product Specifications

- 100% tested / 100% inspected
- all wetted surfaces are sanitary finished to < 32R_a
- field serviceable (no special tools required)
- seat materials available include: silicone, EPDM, FKM
- PTFE bushings reduce friction and increase cycle life
- minimal line pressure: 0.4 inches Hg vacuum @ 68°F
- operating temperature range: **15°F to 200°F**

Information supplied based on water media @ 68°F

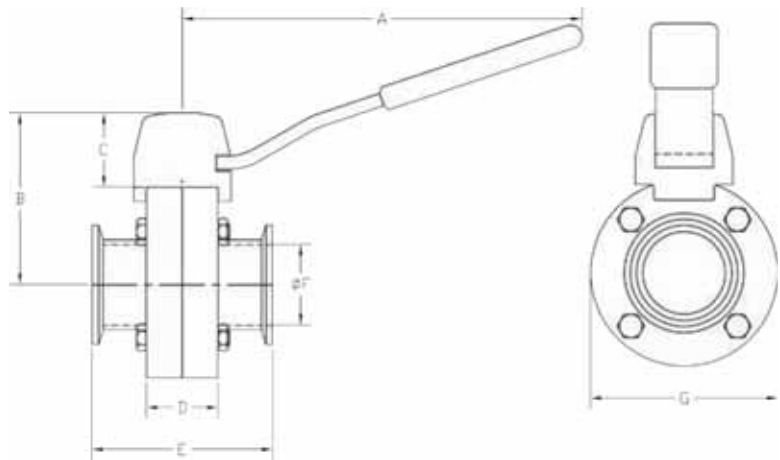
Size	Break Torque (in-lbs.) Silicone	Break Torque (in-lbs.) EPDM	Break Torque (in-lbs.) FKM	Pressure Rating (PSI)	Flow Coefficient (C _v)	Weight w/ standard handle (lbs.)
1"	50	105	45	140	23	1.8
1½"	60	135	55	140	80	1.2
2"	175	180	125	140	230	1.6
2½"	250	260	200	110	264	2.0
3"	300	305	250	110	372	2.4
4"	350	360	300	85	800	4.8

B5104 Series Butterfly Valves

Clamp End



Size	with Silicone seats	with EPDM seats	with FKM seats
1"	B5104S100CC-D	B5104E100CC-D	B5104V100CC-D
1½"	B5104S150CC-D	B5104E150CC-D	B5104V150CC-D
2"	B5104S200CC-D	B5104E200CC-D	B5104V200CC-D
2½"	B5104S250CC-D	B5104E250CC-D	B5104V250CC-D
3"	B5104S300CC-D	B5104E300CC-D	B5104V300CC-D
4"	B5104S400CC-D	B5104E400CC-D	B5104V400CC-D



Dimensions

Size	A	B	C	D	E	F	G
1"	6.6	2.9	1.2	1.9	3.0	.9	3.1
1½"	6.6	2.9	1.2	1.9	3.0	1.4	3.1
2"	6.6	3.2	1.2	1.9	3.0	1.9	3.7
2½"	6.6	3.4	1.2	1.9	3.0	2.4	4.2
3"	6.6	3.7	1.2	1.9	3.0	2.9	4.8
4"	6.6	4.7	1.7	1.5	3.5	3.8	5.9

B5104 Series Butterfly Valves

Weld End

Size	with Silicone seats	with EPDM seats	with FKM seats
1"	B5104S100BB-D	B5104E100BB-D	B5104V100BB-D
1½"	B5104S150BB-D	B5104E150BB-D	B5104V150BB-D
2"	B5104S200BB-D	B5104E200BB-D	B5104V200BB-D
2½"	B5104S250BB-D	B5104E250BB-D	B5104V250BB-D
3"	B5104S300BB-D	B5104E300BB-D	B5104V300BB-D
4"	B5104S400BB-D	B5104E400BB-D	B5104V400BB-D

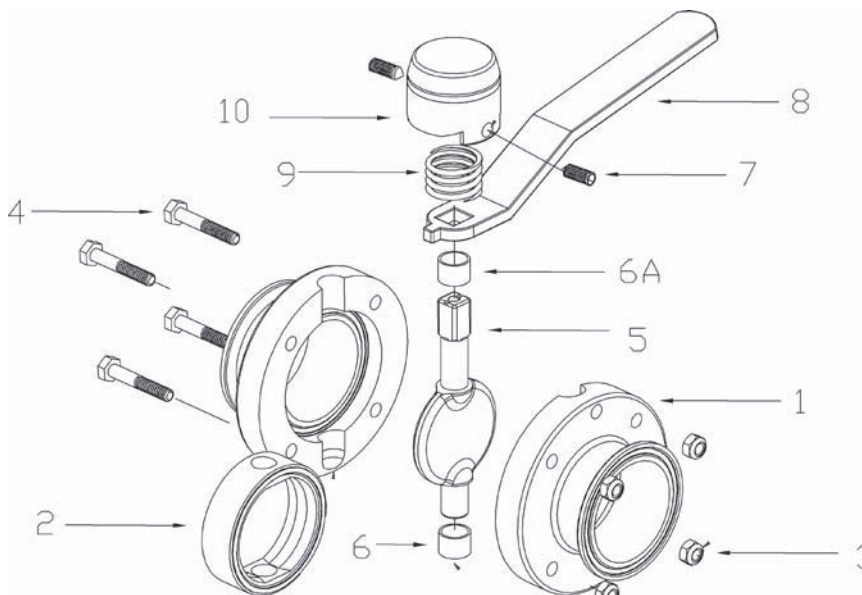


Dimensions

Size	A	B	C	D	E	F	G
1"	6.6	2.9	1.2	1.9	3.0	.9	3.1
1½"	6.6	2.9	1.2	1.9	3.0	1.4	3.1
2"	6.6	3.2	1.2	1.9	3.0	1.9	3.7
2½"	6.6	3.4	1.2	1.9	3.0	2.4	4.2
3"	6.6	3.7	1.2	1.9	3.0	2.9	4.8
4"	6.6	4.7	1.7	1.5	3.5	3.8	5.9

B5104 Series Butterfly Valves

Bill of Materials



Item #	Description	Material	Quantity
1	body half	316L stainless	2
2	seat	silicone, EPDM, FKM	1
3	hex nut	304 stainless	4
4	bolt	304 stainless	4
5	disc	CF-3M stainless	1
6	bushing	PTFE	1
6a	split bushing	PTFE	1
7	hex socket screw	304 stainless	2
8	handle	CF8 stainless	1
9	spring	304 stainless	1
10	hub	CF8 stainless	1

Repair Kits

Repair Kit contains:

- (1) seat
- (1) bushing
- (1) split bushing

Size	Red Silicone	Black EPDM	Black FKM
1"	B5104-RKS100	B5104-RKE100	B5104-RKV100
1½"	B5104-RKS150	B5104-RKE150	B5104-RKV150
2"	B5104-RKS200	B5104-RKE200	B5104-RKV200
2½"	B5104-RKS250	B5104-RKE250	B5104-RKV250
3"	B5104-RKS300	B5104-RKE300	B5104-RKV300
4"	B5104-RKS400	B5104-RKE400	B5104-RKV400

S

Butterfly
Valves

Butterfly Valve Automation



B5101 butterfly valve, silicone seat, clamp x clamp, stainless steel vertical canister, spring return, normally closed, (2) 10-30VDC proximity sensors



B5101 butterfly valve, EPDM seat, clamp x clamp, stainless steel vertical canister, double acting



B5101 butterfly valve, Viton seat, clamp x clamp, stainless steel vertical canister, spring return, 110VAC control top



B5102 butterfly valve, silicone seat, stainless steel horizontal actuator, double acting, NEMA 4/4X 3-15PSI pneumatic positioner



B5101 butterfly valve, silicone seat, clamp x clamp, stainless steel rack and pinion actuator, spring return, NEMA 4/4X 3-15PSI pneumatic positioner



B5101 butterfly valve, EPDM seat, clamp x clamp, standard 4-position handle with a NEMA 4 SPDT limit switch with 2 mechanical switches

Getting pumped up is easier than ever...

Dixon Sanitary now offers the Bradford™ BC-Series Sanitary Centrifugal Pumps.



- Pump and all spare parts are completely interchangeable with all Sanitary C-Series pumps
- Pump model and component part numbers are familiar and easy to use - BC114, BC216, etc.
- Most complete pumps ship in 24 hours
- Stocked repair kits: #1, #2, #3, DG and #4 (all-in-one)



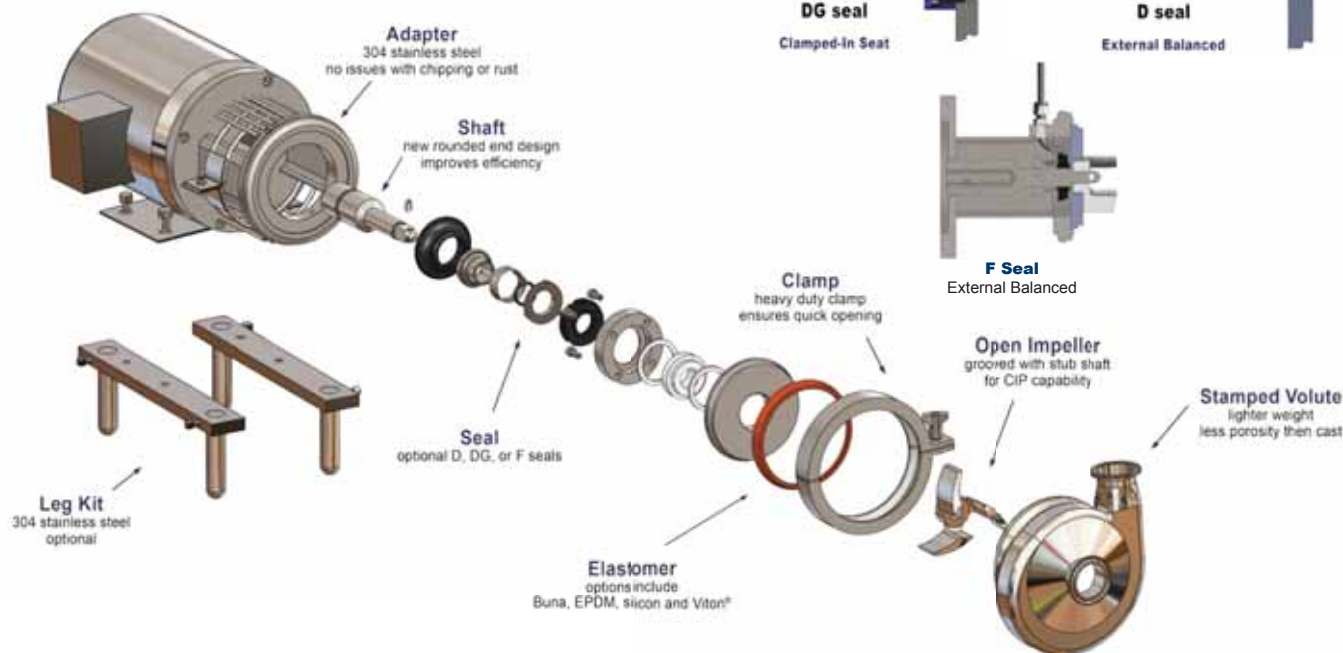
Literature Download

go to bradfordfittings.com to download the pump brochure, engineering manual and repair kit flyer for more information see the Engineered Products catalog

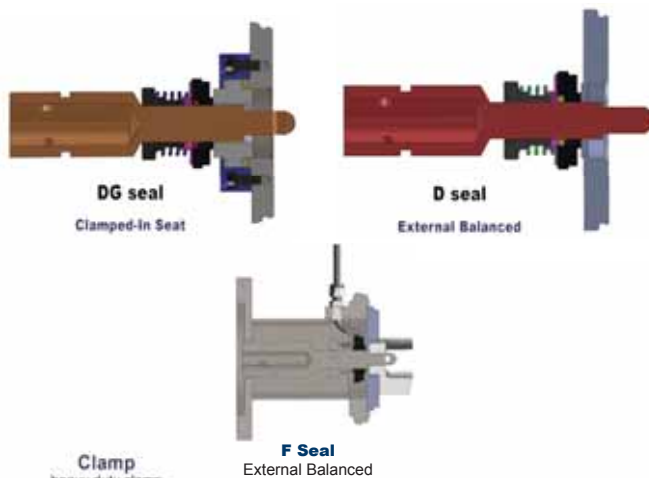
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Pump Explosion



Seal Options



Bradford™ Ball Valves

Ball Valve Selection

Product Specifications



Size range:

- ½" - 4" OD
- ¼" - 4" nominal pipe

Materials:

- CF-8M stainless steel
- brass



for more information
see the Engineered Products Catalog



Literature Download

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Index

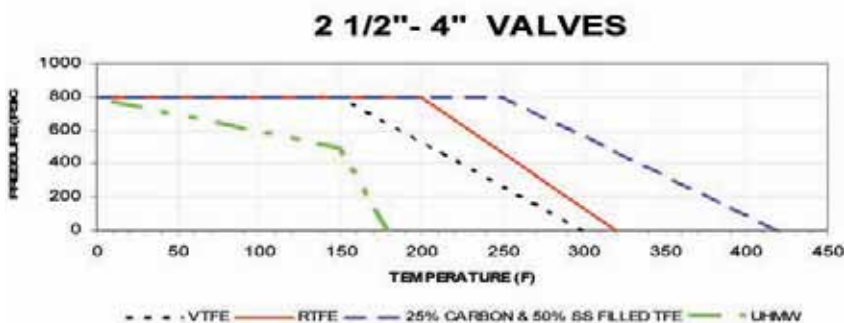
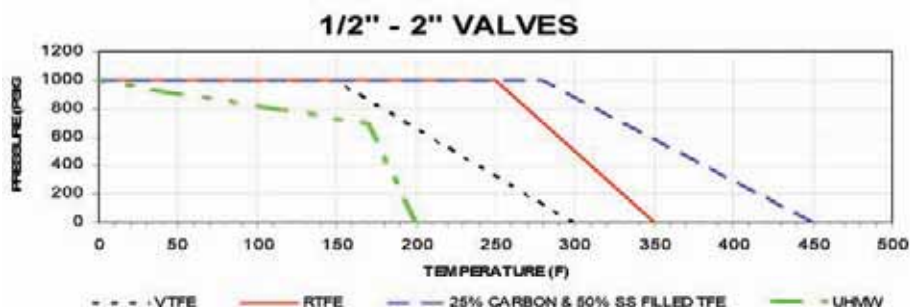
Technical Information.....	144	3-piece Industrial Stainless Steel	153
3-piece Encapsulated Sanitary.....	145-146	3-way Industrial Stainless Steel.....	154
3-way and 4-way Multiport Sanitary	147-150	2-piece Industrial Brass.....	155
3-piece Non-Encapsulated Sanitary	151	3-way Industrial Brass	156
2-piece Industrial Stainless Steel	152	Automation	157

Technical Information

Seal Materials

Code	Designation	Material	Applications
V	Virgin PTFE	Virgin polytetrafluoroethylene	100% PTFE- Our standard seat material. Ideal for most sanitary services. Specified for applications requiring a low co-efficient of friction. 3A and FDA approved.
G	RTFE	15% glass reinforced tetrafluoroethylene	15% glass filled + 85% PTFE - Slightly higher temperature and pressure rating than PTFE. Specified for applications requiring higher cycle life than PTFE. 3A and FDA approved.
C	25% Carbon PTFE	25% carbon reinforced tetrafluoroethylene	25% carbon +75% PTFE - Specified for higher temperature pressure applications. Ideal for steam and thermal fluid applications. Higher cycle life than RTFE.
S	Stainless Steel PTFE	50% stainless steel filled tetrafluoroethylene	50% stainless steel + 50% PTFE - Specified for higher temperature pressure applications in a sanitary process. 3A and FDA approved.
U	UHMW	Ultra-high molecular weight polyethylene	Specified for its low modulus of abrasion and minimal property degradation when exposed to moderate levels of radiation. Ideal for applications where fluorocarbons are not acceptable. 3A and FDA approved.

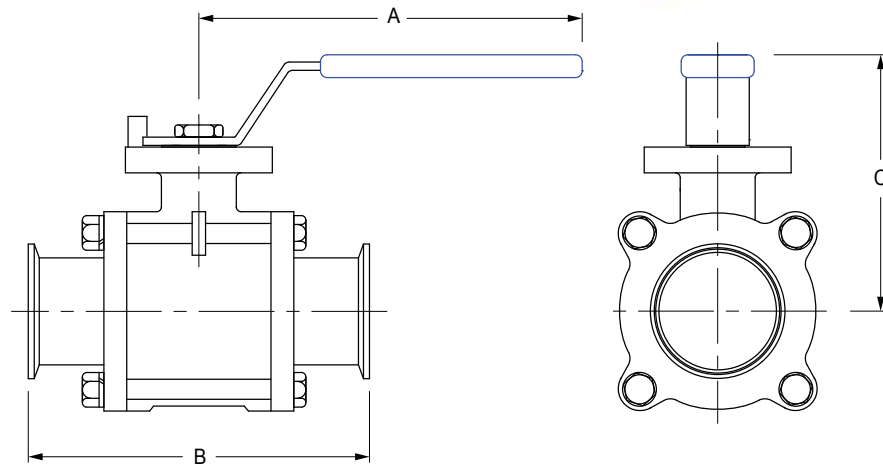
Pressure Temperature Charts



Encapsulated Sanitary 3 Piece Stainless Steel Ball Valve

A3
68-00
1022

- meets 3A Sanitary Standard 68-00 (Authorization number 1022)
- full port design offers lower pressure drop and a less turbulent flow
- blow-out proof stem
- live-loaded stem packing
- CF8M stainless body, ends and ball
- ISO 5211 mounting pad
- lock-out, tag out
- non-encapsulated (not 3A) also available
- rated to $\frac{1}{2}$ " - 2" **1,000 PSI WOG**
 $2\frac{1}{2}$ " - 4" **800 PSI WOG**



Size	A	B	C	Assembly Torque (in-lbs.)	Weight (lbs.)
$\frac{1}{2}$ "	4.7	1.5	4.3	160	1.5
$\frac{3}{4}$ "	4.7	1.8	4.7	160	1.9
1"	5.2	2.1	4.9	160	2.7
1 $\frac{1}{2}$ "	7.2	2.7	5.6	200	4.8
2"	7.2	3.1	6.4	212	8.9
2 $\frac{1}{2}$ "	14.6	3.8	7.8	221	18.7
3"	15.7	4.2	9.0	239	29.7
4"	15.7	5.3	9.5	266	43.6

Dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

Handle Kits

Size	Part Number
$\frac{1}{2}$ " - $\frac{3}{4}$ "	BV-23-HA050-075
1"	BV-23-HA100
1 $\frac{1}{2}$ " - 2"	BV-23-HA150-200
2 $\frac{1}{2}$ "	BV-23-HA250
3" - 4"	BV-23-HA300-400

kit contains:
(1) lock washer
(1) handle head
(1) nut

Repair Kits

kit contains:
(2) body seals
(2) O-rings
(1) thrust washer
(3) stem packings

- custom handle covers available
see new product section on page 5

- see page 146 for part numbers

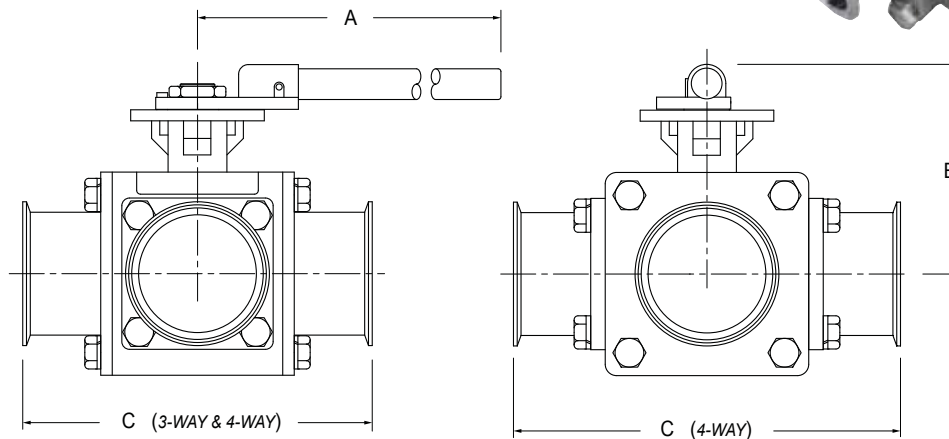
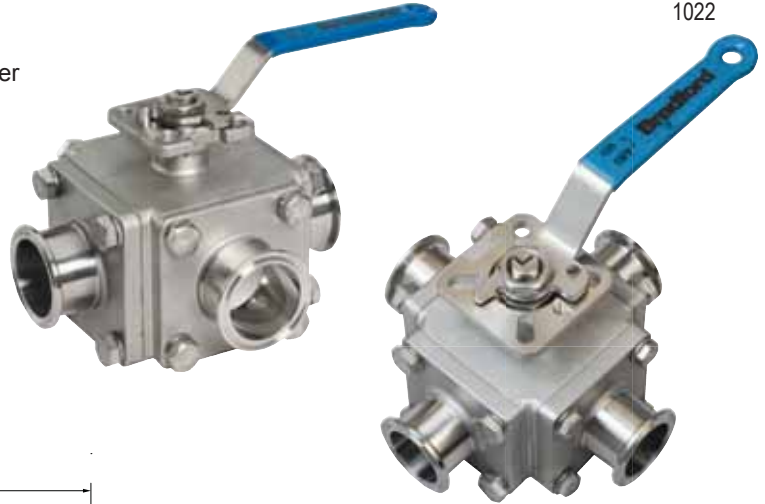
Encapsulated Sanitary 3 Piece Stainless Steel Ball Valve

Size	Ball Valve Part #	Repair Kit Part #	Break Torque (in-lb)	Code ID	Seat material
1/2"	BV2CV-050CC-A	BV-2C-VK050	31	V	Virgin PTFE
3/4"	BV2CV-075CC-A	BV-2C-VK075	47		
1"	BV2CV-100CC-A	BV-2C-VK100	105		
1 1/2"	BV2CV-150CC-A	BV-2C-VK150	238		
2"	BV2CV-200CC-A	BV-2C-VK200	256		
2 1/2"	BV2CV-250CC-A	BV-2C-VK250	900		
3"	BV2CV-300CC-A	BV-2C-VK300	1650		
4"	BV2CV-400CC-A	BV-2C-VK400	2027		
1/2"	BV2CG-050CC-A	BV-2C-GK050	34	G	15% glass reinforced TFE
3/4"	BV2CG-075CC-A	BV-2C-GK075	51		
1"	BV2CG-100CC-A	BV-2C-GK100	116		
1 1/2"	BV2CG-150CC-A	BV-2C-GK150	261		
2"	BV2CG-200CC-A	BV-2C-GK200	281		
2 1/2"	BV2CG-250CC-A	BV-2C-GK250	990		
3"	BV2CG-300CC-A	BV-2C-GK300	1815		
4"	BV2CG-400CC-A	BV-2C-GK400	2229		
1/2"	BV2CC-050CC-A	BV-2C-CK050	37	C	25% carbon reinforced TFE
3/4"	BV2CC-075CC-A	BV-2C-CK075	57		
1"	BV2CC-100CC-A	BV-2C-CK100	127		
1 1/2"	BV2CC-150CC-A	BV-2C-CK150	287		
2"	BV2CC-200CC-A	BV-2C-CK200	309		
2 1/2"	BV2CC-250CC-A	BV-2C-CK250	1089		
3"	BV2CC-300CC-A	BV-2C-CK300	1997		
4"	BV2CC-400CC-A	BV-2C-CK400	2452		
1/2"	BV2CS-050CC-A	BV-2C-SK050	41	S	50% stainless steel reinforced TFE
3/4"	BV2CS-075CC-A	BV-2C-SK075	62		
1"	BV2CS-100CC-A	BV-2C-SK100	140		
1 1/2"	BV2CS-150CC-A	BV-2C-SK150	316		
2"	BV2CS-200CC-A	BV-2C-SK200	340		
2 1/2"	BV2CS-250CC-A	BV-2C-SK250	1198		
3"	BV2CS-300CC-A	BV-2C-SK300	2196		
4"	BV2CS-400CC-A	BV-2C-SK400	2698		
1/2"	BV2CU-050CC-A	BV-2C-UK050	31	U	UHMW
3/4"	BV2CU-075CC-A	BV-2C-UK075	47		
1"	BV2CU-100CC-A	BV-2C-UK100	105		
1 1/2"	BV2CU-150CC-A	BV-2C-UK150	238		
2"	BV2CU-200CC-A	BV-2C-UK200	256		
2 1/2"	BV2CU-250CC-A	BV-2C-UK250	900		
3"	BV2CU-300CC-A	BV-2C-UK300	1650		
4"	BV2CU-400CC-A	BV-2C-UK400	2027		

Multi-port Sanitary Stainless Steel Ball Valve

A3
1022
68-00

- meets 3A sanitary standard 68-00 (Authorization number 1022)
- full port design on ½" thru 3"
- reduced port design on 4"
- blow-out proof stem
- live-loaded stem packing
- CF8M stainless body, ends and ball
- ISO 5211 mounting pad
- lock-out, tag out
- rated to ½" - 2" **1,000 PSI WOG**
2½" - 4" **800 PSI WOG**



Size	A	B	C	Weight (lbs.)
½"	4.7	3.2	4.6	3.6
¾"	4.7	3.4	5.0	4.3
1"	5.2	3.8	6.0	6.8
1½"	7.2	4.5	6.9	12.6
2"	7.2	5.0	7.5	21.6
2½"	14.6	5.3	9.0	33.7
3"	15.7	6.4	10.2	56.4
4"	15.7	6.8	11.4	85.4

Dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

Handle Kits

Size	Part Number
½" - ¾"	BV-23-HA050-075
1"	BV-23-HA100
1½" - 2"	BV-23-HA150-200
2½"	BV-23-HA250
3" - 4"	BV-23-HA300-400

kit contains:
(1) lock washer
(1) handle head
(1) nut

- custom handle covers available
see new product section on page 5

Repair Kits

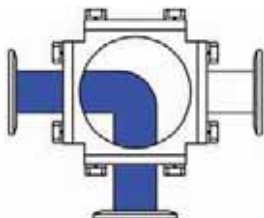
kit contains:
(2) seat 1
(2) seat 2
(2) gaskets
(1) thrust washer
(1) O-ring
(3) stem packings
(1) plug (3-way only)

- see page 149 and 150 for part numbers

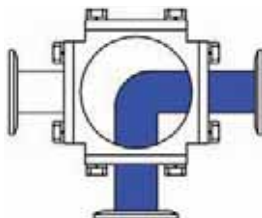
Multi-port Sanitary Stainless Steel Ball Valve

Flow Options

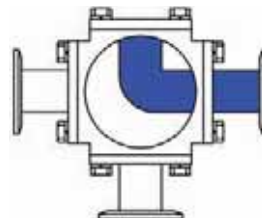
3-way 'L'-port
position A



3-way 'L'-port
position B



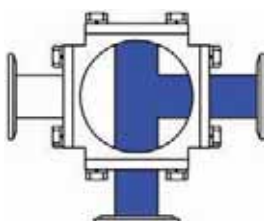
3-way 'L'-port
position C



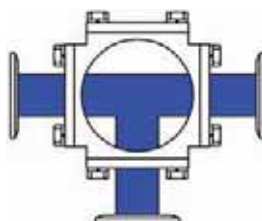
3-way 'T'-port
position A



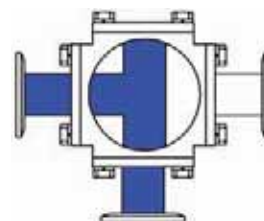
3-way 'T'-port
position B



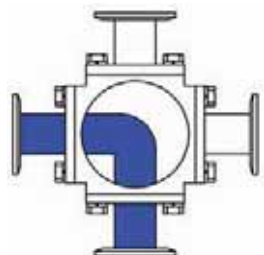
3-way 'T'-port
position C



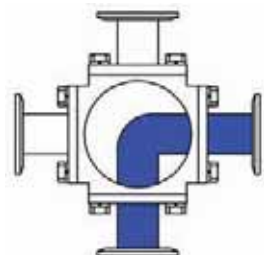
3-way 'T'-port
position D



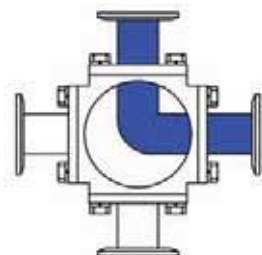
4-way 'L'-port
position A



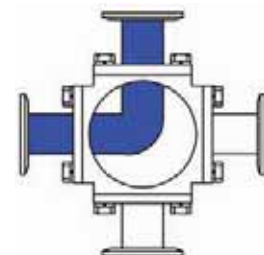
4-way 'L'-port
position B



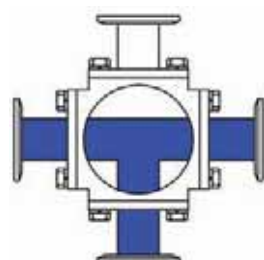
4-way 'L'-port
position C



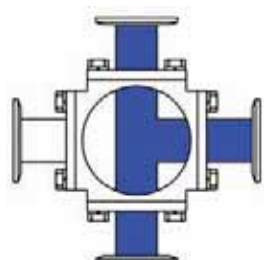
4-way 'L'-port
position D



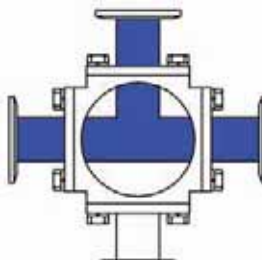
4-way 'T'-port
position A



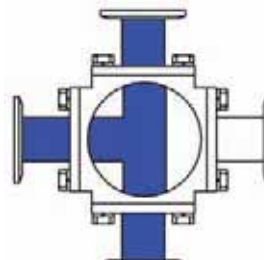
4-way 'T'-port
position B



4-way 'T'-port
position C



4-way 'T'-port
position D



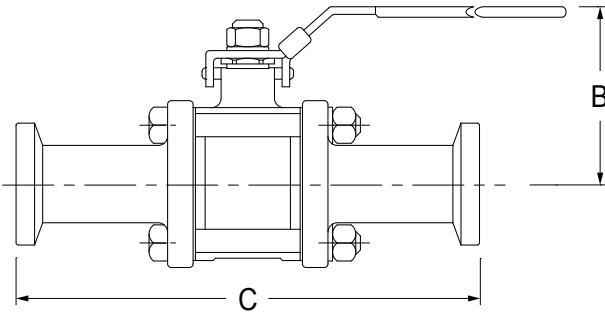
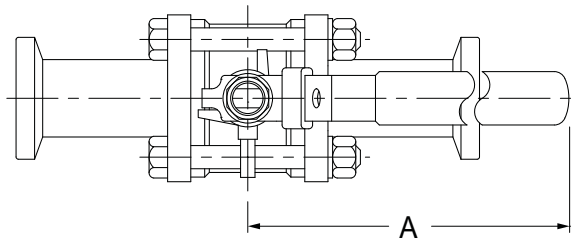
3-way Multi-port Sanitary Stainless Steel Ball Valves

Size	"L" port Ball Valve Part #	"T" port Ball Valve Part #	Repair Kit Part #	"L" Port Break Torque (in-lb)	"T" Port Break Torque (in-lb)	Code ID	Seat material
1/2"	BV3SVLF050C-A	BV3SVTF050C-A	BV-3SVFRK050	65	44	V	Virgin PTFE
3/4"	BV3SVLF075C-A	BV3SVTF075C-A	BV-3SVFRK075	76	76		
1"	BV3SVLF100C-A	BV3SVTF100C-A	BV-3SVFRK100	171	171		
1 1/2"	BV3SVLF150C-A	BV3SVTF150C-A	BV-3SVFRK150	356	297		
2"	BV3SVLF200C-A	BV3SVTF200C-A	BV-3SVFRK200	553	553		
2 1/2"	BV3SVLF250C-A	BV3SVTF250C-A	BV-3SVFRK250	1114	1114		
3"	BV3SVLF300C-A	BV3SVTF300C-A	BV-3SVFRK300	1875	1400		
4"	BV3SVLR400C-A	BV3SVTR400C-A	BV-3SVRRK400	2241	2050		
1/2"	BV3SGLF050C-A	BV3SGTF050C-A	BV-3SGRK050	71	48	G	15% glass reinforced TFE
3/4"	BV3SGLF075C-A	BV3SGTF075C-A	BV-3SGRK075	83	84		
1"	BV3SGLF100C-A	BV3SGTF100C-A	BV-3SGRK100	188	188		
1 1/2"	BV3SGLF150C-A	BV3SGTF150C-A	BV-3SGRK150	392	327		
2"	BV3SGLF200C-A	BV3SGTF200C-A	BV-3SGRK200	608	608		
2 1/2"	BV3SGLF250C-A	BV3SGTF250C-A	BV-3SGRK250	1226	1225		
3"	BV3SGLF300C-A	BV3SGTF300C-A	BV-3SGRK300	2063	1540		
4"	BV3SGLR400C-A	BV3SGTR400C-A	BV-3SGRK400	2465	2255		
1/2"	BV3SCLF050C-A	BV3SCTF050C-A	BV-3SCRK050	78	53	C	25% carbon reinforced TFE
3/4"	BV3SCLF075C-A	BV3SCTF075C-A	BV-3SCRK075	91	92		
1"	BV3SCLF100C-A	BV3SCTF100C-A	BV-3SCRK100	207	207		
1 1/2"	BV3SCLF150C-A	BV3SCTF150C-A	BV-3SCRK150	431	359		
2"	BV3SCLF200C-A	BV3SCTF200C-A	BV-3SCRK200	669	669		
2 1/2"	BV3SCLF250C-A	BV3SCTF250C-A	BV-3SCRK250	1348	1348		
3"	BV3SCLF300C-A	BV3SCTF300C-A	BV-3SCRK300	2269	1694		
4"	BV3SCLR400C-A	BV3SCTR400C-A	BV-3SCRK400	2712	2481		
1/2"	BV3SSLF050C-A	BV3SSTF050C-A	BV-3SSRK050	86	59	S	50% stainless steel reinforced TFE
3/4"	BV3SSLF075C-A	BV3SSTF075C-A	BV-3SSRK075	101	101		
1"	BV3SSLF100C-A	BV3SSTF100C-A	BV-3SSRK100	228	228		
1 1/2"	BV3SSLF150C-A	BV3SSTF150C-A	BV-3SSRK150	474	395		
2"	BV3SSLF200C-A	BV3SSTF200C-A	BV-3SSRK200	736	736		
2 1/2"	BV3SSLF250C-A	BV3SSTF250C-A	BV-3SSRK250	1483	1483		
3"	BV3SSLF300C-A	BV3SSTF300C-A	BV-3SSRK300	2496	1863		
4"	BV3SSLR400C-A	BV3SSTR400C-A	BV-3SSRK400	2983	2729		
1/2"	BV3SULF050C-A	BV3SUTF050C-A	BV-3SURK050	65	44	U	UHMW
3/4"	BV3SULF075C-A	BV3SUTF075C-A	BV-3SURK075	76	76		
1"	BV3SULF100C-A	BV3SUTF100C-A	BV-3SURK100	171	171		
1 1/2"	BV3SULF150C-A	BV3SUTF150C-A	BV-3SURK150	356	297		
2"	BV3SULF200C-A	BV3SUTF200C-A	BV-3SURK200	553	553		
2 1/2"	BV3SULF250C-A	BV3SUTF250C-A	BV-3SURK250	1114	1114		
3"	BV3SULF300C-A	BV3SUTF300C-A	BV-3SURK300	1875	1400		
4"	BV3SULR400C-A	BV3SUTR400C-A	BV-3SURK400	2241	2050		

4-way Multi-port Sanitary Stainless Steel Ball Valves

Size	"L" port Ball Valve Part #	"T" port Ball Valve Part #	Repair Kit Part #	"L" Port Break Torque (in-lb)	"T" Port Break Torque (in-lb)	Code ID	Seat material
1/2"	BV4SVLF050C-A	BV4SVTF050C-A	BV-3SVFRK050	65	44	V	Virgin PTFE
3/4"	BV4SVLF075C-A	BV4SVTF075C-A	BV-3SVFRK075	76	76		
1"	BV4SVLF100C-A	BV4SVTF100C-A	BV-3SVFRK100	171	171		
1 1/2"	BV4SVLF150C-A	BV4SVTF150C-A	BV-3SVFRK150	356	297		
2"	BV4SVLF200C-A	BV4SVTF200C-A	BV-3SVFRK200	553	553		
2 1/2"	BV4SVLF250C-A	BV4SVTF250C-A	BV-3SVFRK250	1114	1114		
3"	BV4SVLF300C-A	BV4SVTF300C-A	BV-3SVFRK300	1875	1400		
4"	BV4SVLR400C-A	BV4SVTR400C-A	BV-3SVRRK400	2241	2050		
1/2"	BV4SGLF050C-A	BV4SGTF050C-A	BV-3SGRK050	71	48	G	15% glass reinforced TFE
3/4"	BV4SGLF075C-A	BV4SGTF075C-A	BV-3SGRK075	83	84		
1"	BV4SGLF100C-A	BV4SGTF100C-A	BV-3SGRK100	188	188		
1 1/2"	BV4SGLF150C-A	BV4SGTF150C-A	BV-3SGRK150	392	327		
2"	BV4SGLF200C-A	BV4SGTF200C-A	BV-3SGRK200	608	608		
2 1/2"	BV4SGLF250C-A	BV4SGTF250C-A	BV-3SGRK250	1226	1225		
3"	BV4SGLF300C-A	BV4SGTF300C-A	BV-3SGRK300	2063	1540		
4"	BV4SGLR400C-A	BV4SGTR400C-A	BV-3SGRK400	2465	2255		
1/2"	BV4SCLF050C-A	BV4SCTF050C-A	BV-3SCRK050	78	53	C	25% carbon reinforced TFE
3/4"	BV4SCLF075C-A	BV4SCTF075C-A	BV-3SCRK075	91	92		
1"	BV4SCLF100C-A	BV4SCTF100C-A	BV-3SCRK100	207	207		
1 1/2"	BV4SCLF150C-A	BV4SCTF150C-A	BV-3SCRK150	431	359		
2"	BV4SCLF200C-A	BV4SCTF200C-A	BV-3SCRK200	669	669		
2 1/2"	BV4SCLF250C-A	BV4SCTF250C-A	BV-3SCRK250	1348	1348		
3"	BV4SCLF300C-A	BV4SCTF300C-A	BV-3SCRK300	2269	1694		
4"	BV4SCLR400C-A	BV4SCTR400C-A	BV-3SCRK400	2712	2481		
1/2"	BV4SSLF050C-A	BV4SSTF050C-A	BV-3SSRK050	86	59	S	50% stainless steel reinforced TFE
3/4"	BV4SSLF075C-A	BV4SSTF075C-A	BV-3SSRK075	101	101		
1"	BV4SSLF100C-A	BV4SSTF100C-A	BV-3SSRK100	228	228		
1 1/2"	BV4SSLF150C-A	BV4SSTF150C-A	BV-3SSRK150	474	395		
2"	BV4SSLF200C-A	BV4SSTF200C-A	BV-3SSRK200	736	736		
2 1/2"	BV4SSLF250C-A	BV4SSTF250C-A	BV-3SSRK250	1483	1483		
3"	BV4SSLF300C-A	BV4SSTF300C-A	BV-3SSRK300	2496	1863		
4"	BV4SSLR400C-A	BV4SSTR400C-A	BV-3SSRK400	2983	2729		
1/2"	BV4SULF050C-A	BV4SUTF050C-A	BV-3SURK050	65	44	U	UHMW
3/4"	BV4SULF075C-A	BV4SUTF075C-A	BV-3SURK075	76	76		
1"	BV4SULF100C-A	BV4SUTF100C-A	BV-3SURK100	171	171		
1 1/2"	BV4SULF150C-A	BV4SUTF150C-A	BV-3SURK150	356	297		
2"	BV4SULF200C-A	BV4SUTF200C-A	BV-3SURK200	553	553		
2 1/2"	BV4SULF250C-A	BV4SUTF250C-A	BV-3SURK250	1114	1114		
3"	BV4SULF300C-A	BV4SUTF300C-A	BV-3SURK300	1875	1400		
4"	BV4SULR400C-A	BV4SUTR400C-A	BV-3SURK400	2241	2050		

Non-Encapsulated 2-way 3 Piece Stainless Steel Ball Valves



- blow-out proof stem
- live-loaded stem packing
- 15% glass reinforced PTFE seats
- CF8M stainless body, ends and ball
- ID polish is $R_a 32$
- lock-out, tag out
- rated to $\frac{1}{2}$ " - 2" **1,000 PSI WOG**
 $2\frac{1}{2}$ " - 4" **800 PSI WOG**



Size	A	B	C	Break Torque (in-lbs.)	Weight (lbs.)	304 Stainless Steel Part Number
$\frac{1}{2}$ "	4.1	2.3	4.6	55	1.4	BV2GG-050CC-A
$\frac{3}{4}$ "	4.1	2.5	4.7	71	1.8	BV2GG-075CC-A
1"	5.0	2.8	4.9	101	2.6	BV2GG-100CC-A
1 $\frac{1}{2}$ "	6.1	3.5	5.6	221	4.6	BV2GG-150CC-A
2"	7.6	3.9	6.4	345	8.5	BV2GG-200CC-A
2 $\frac{1}{2}$ "	7.6	4.4	7.8	883	17.8	BV2GG-250CC-A
3"	10.9	4.9	9.0	830	28.2	BV2GG-300CC-A
4"	13.2	6.6	9.6	1323	41.4	BV2GG-400CC-A

Dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

Repair Kits

Size	Part Number
$\frac{1}{2}$ "	BV-2G-GK050
$\frac{3}{4}$ "	BV-2G-GK075
1"	BV-2G-GK100
1 $\frac{1}{2}$ "	BV-2G-GK150
2"	BV-2G-GK200
2 $\frac{1}{2}$ "	BV-2G-GK250
3"	BV-2G-GK300
4"	BV-2G-GK400

Repair Kit contains:

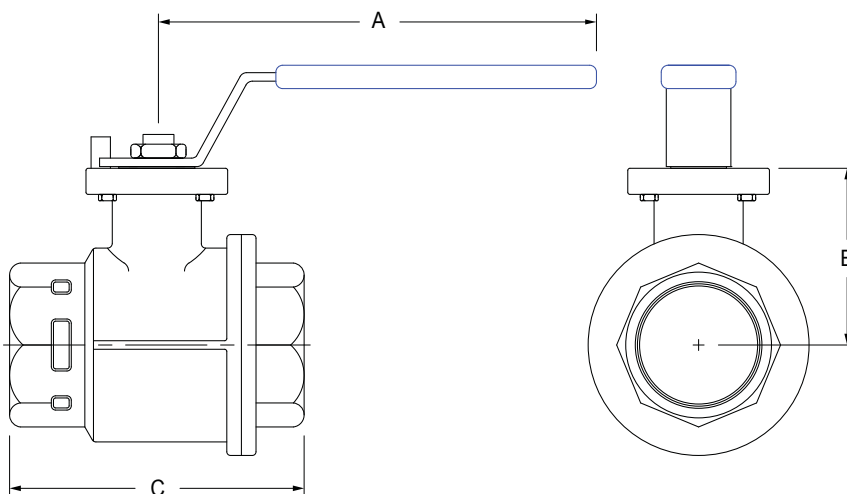
- (2) RTFE seats
- (2) RTFE gaskets
- (1) RTFE thrust washer
- (3) RTFE stem packing

- custom handle covers available
see new product section on page 5

2 Piece Industrial Stainless Steel Ball Valves



- full port stainless steel ball valves with FNPT ends
- blow-out proof stem
- ISO 5211 mounting pad
- CF8M stainless body, ends and ball
- RTFE seats and PTFE seals
- live-loaded stem packing
- custom handle covers available, see new product section on page 5
- maximum pressure: ½" - 2" **1,000 PSI WOG**
2½" - 3" **800 PSI WOG**
- maximum temperature: **350°F**

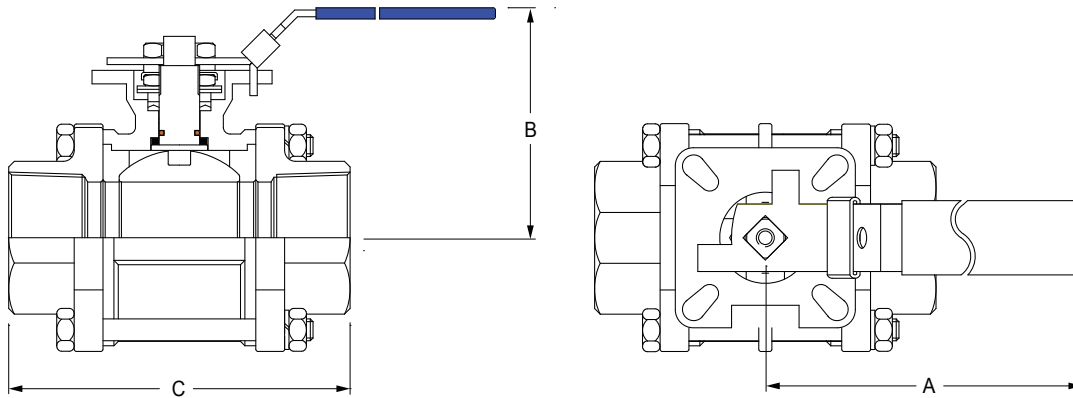


Size	A	B	C	Break Torque (in-lbs.)	Weight (lbs.)	<i>Stainless Steel</i> Part Number
1/4"	4.4	2.0	2.6	65	0.30	BV2HG-02511-A
3/8"	4.4	2.0	2.6	86	0.81	BV2HG-03811-A
1/2"	4.4	2.0	3.0	86	0.95	BV2HG-05011-A
3/4"	4.4	2.1	3.2	97	1.45	BV2HG-07511-A
1"	5.4	2.4	3.4	160	2.36	BV2HG-10011-A
1-1/4"	7.3	2.6	4.3	139	3.50	BV2HG-12511-A
1-1/2"	7.8	3.1	4.7	398	4.21	BV2HG-15011-A
2"	7.8	3.7	5.5	600	7.8	BV2HG-20011-A
2-1/2"	10.4	3.9	7.8	980	17.6	BV2HG-25011-A
3"	10.4	4.4	8.1	1000	25.3	BV2HG-30011-A

Dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

3 Piece Industrial Stainless Steel Ball Valves

- full port stainless steel ball valves with FNPT ends
- 316 stainless steel stem
- swing out design for easy maintenance
- ISO 5211 mounting pad
- CF8M stainless steel body and ball
- RTFE seats and seals
- live-loaded stem packing
- custom handle covers available, see new product section on page 5
- maximum pressure: ½" - 2" **1,000 PSI** WOG at 65°F
2½" - 3" **800 PSI** WOG at 65°F
4" **600 PSI** WOG at 65°F
- maximum temperature: **400°F**



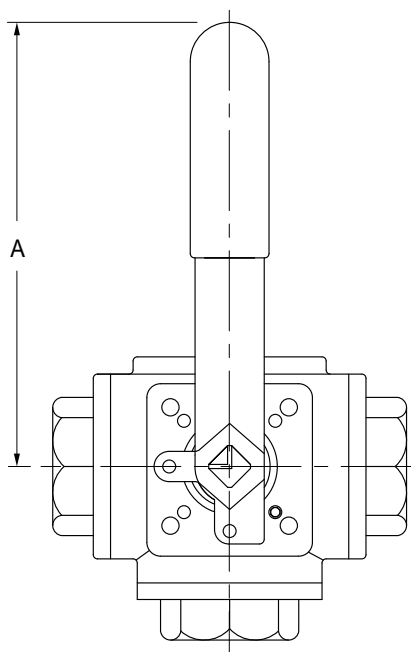
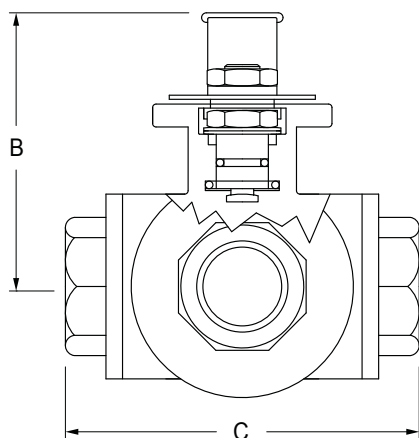
Size	A	B	C	Break Torque (in-lbs.)	Weight (lbs.)	<i>Stainless Steel</i> Part Number
½"	4.4	2.9	2.5	47	1.26	BV2IG-05011-A
¾"	4.4	3.2	2.9	67	1.57	BV2IG-07511-A
1"	5.4	3.6	3.2	165	2.27	BV2IG-10011-A
1¼"	7.3	3.9	3.7	265	3.44	BV2IG-12511-A
1½"	7.8	4.5	4.3	481	5.51	BV2IG-15011-A
2"	7.8	4.9	4.8	728	7.58	BV2IG-20011-A
2½"	10.4	6.1	6.2	1425	14.11	BV2IG-25011-A
3"	10.4	8.2	7.5	1455	24.69	BV2IG-30011-A
4"	12.8	8.5	8.9	1482	48.50	BV2IG-40011-A

Dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

3-way Industrial Stainless Steel Ball Valves



- full port stainless steel ball valves with FNPT ends
- blow-out proof stem
- ISO 5211 mounting pad
- CF8M stainless steel body and ball
- PTFE seats and seals
- live-loaded stem packing
- for flow options see page 148
- custom handle covers available, see new product section on page 5
- maximum pressure: 1/4" - 1" **1,000 PSI WOG**
1 1/4" - 2" **800 PSI WOG**
- maximum temperature: **350°F**

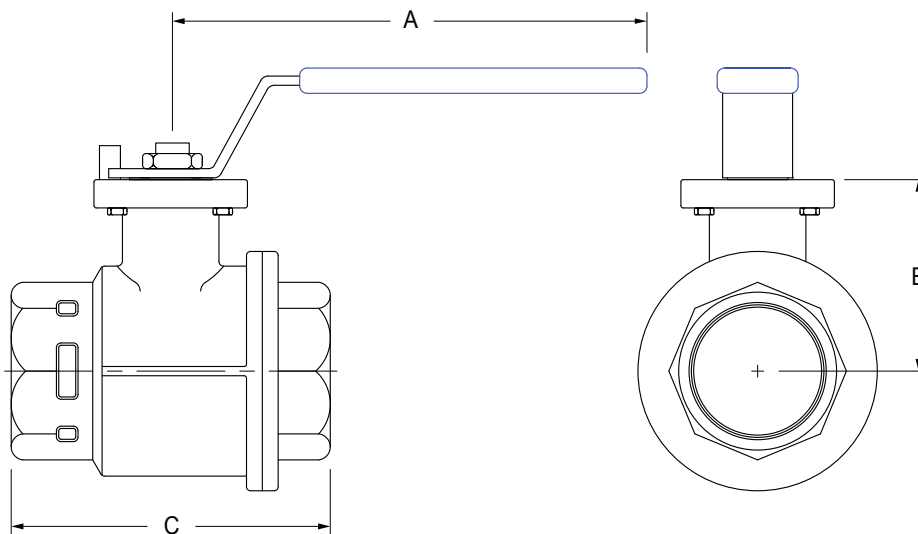


Size	A	B	C	Break Torque (in-lbs.)	Weight (lbs.)	<i>Stainless Steel</i> 'L' port Part Number	<i>Stainless Steel</i> 'T' port Part Number
1/4"	5.1	2.4	2.8	157	0.70	BV3IGLF-0251-A	BV3IGTF-0251-A
3/8"	5.1	2.4	2.8	157	0.72	BV3IGLF-0381-A	BV3IGTF-0381-A
1/2"	5.1	2.5	3.3	207	0.72	BV3IGLF-0501-A	BV3IGTF-0501-A
3/4"	6.5	3.2	3.9	276	1.11	BV3IGLF-0751-A	BV3IGTF-0751-A
1"	6.5	3.5	4.4	484	1.71	BV3IGLF-1001-A	BV3IGTF-1001-A
1-1/4"	8.1	3.9	4.9	692	2.77	BV3IGLF-1251-A	BV3IGTF-1251-A
1-1/2"	8.1	4.3	5.9	950	3.82	BV3IGLF-1501-A	BV3IGTF-1501-A
2"	12.8	5.5	6.9	1555	6.73	BV3IGLF-2001-A	BV3IGTF-2001-A

Dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

2 Piece Industrial Brass Ball Valves

- full port brass ball valves with FNPT ends
- blow-out proof stem
- ISO 5211 mounting pad
- PTFE seats with double O-ring stem packing (FKM)
- custom handle covers available, see new product section on page 5
- maximum pressure: **600 PSI WOG**
- maximum temperature: **320°F**



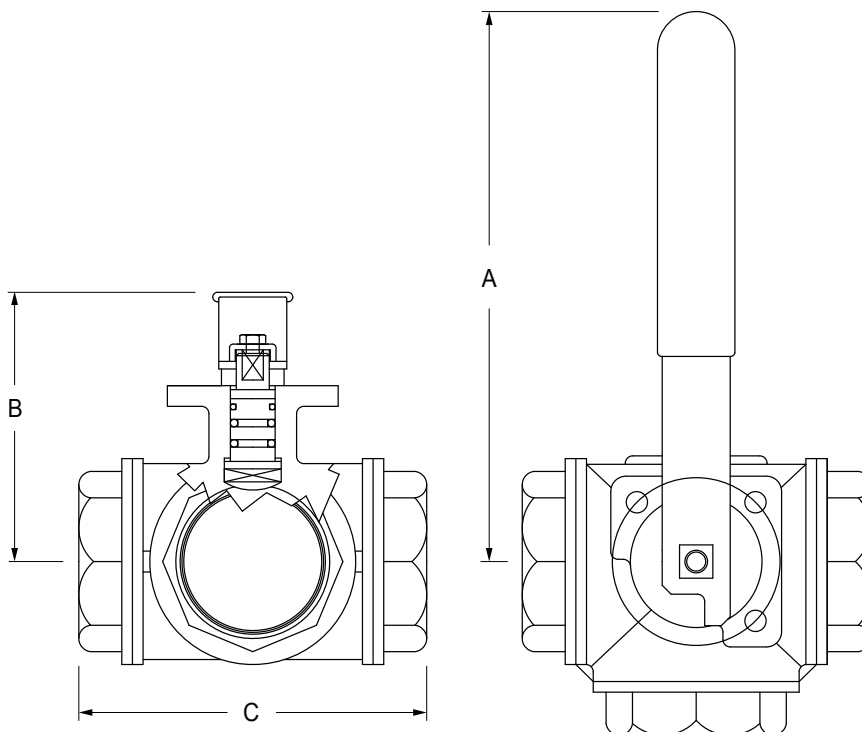
Size	A	B	C	Break Torque (in-lbs.)	Weight (lbs.)	Brass Part Number
1/2"	4.4	1.3	2.6	86	0.86	BV2BV-05011-A
3/4"	4.4	1.4	3.0	149	0.91	BV2BV-07511-A
1"	5.4	1.8	3.4	193	1.55	BV2BV-10011-A
1 1/4"	7.3	1.9	3.7	290	2.14	BV2BV-12511-A
1 1/2"	7.8	2.5	4.1	470	3.71	BV2BV-15011-A
2"	7.8	2.9	4.8	634	5.52	BV2BV-20011-A
2 1/2"	10.4	3.5	6.1	499	8.83	BV2BV-25011-A
3"	10.4	3.9	6.9	722	13.29	BV2BV-30011-A
4"	12.8	4.6	8.0	1472	18.32	BV2BV-40011-A

Dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.

3-way Industrial Brass Ball Valves



- reduced port brass ball valves with FNPT ends
- blow-out proof stem
- ISO 5211 mounting pad
- PTFE seats with O-ring backing
- double O-ring stem packing
- for flow options see page 148
- custom handle covers available, see new product section on page 5
- maximum pressure: **400 PSI WOG**
- maximum temperature: **300°F**



Size	A	B	C	Break Torque (in-lbs.)	Weight (lbs.)	Brass 'L' port Part Number	Brass 'T' port Part Number
1/4"	4.8	2.4	2.6	79	1.22	<i>BV3BVLR-0251-A</i>	<i>BV3BVTR-0251-A</i>
3/8"	4.8	2.4	2.6	79	1.16	<i>BV3BVLR-0381-A</i>	<i>BV3BVTR-0381-A</i>
1/2"	4.8	2.4	2.9	79	1.21	<i>BV3BVLR-0501-A</i>	<i>BV3BVTR-0501-A</i>
3/4"	4.8	2.5	3.2	79	1.44	<i>BV3BVLR-0751-A</i>	<i>BV3BVTR-0751-A</i>
1"	6.7	3.0	3.7	225	2.64	<i>BV3BVLR-1001-A</i>	<i>BV3BVTR-1001-A</i>
1-1/4"	6.7	3.2	4.4	225	4.15	<i>BV3BVLR-1251-A</i>	<i>BV3BVTR-1251-A</i>
1-1/2"	6.7	3.7	4.9	225	6.02	<i>BV3BVLR-1501-A</i>	<i>BV3BVTR-1501-A</i>
2"	9.1	4.4	5.7	412	9.08	<i>BV3BVLR-2001-A</i>	<i>BV3BVTR-2001-A</i>
2-1/2"	9.1	4.9	6.9	570	16.33	<i>BV3BVLR-2501-A</i>	<i>BV3BVTR-2501-A</i>
3"	9.1	4.9	7.1	570	19.55	<i>BV3BVLR-3001-A</i>	<i>BV3BVTR-3001-A</i>

Dimensions are approximate. Engineering dimensions are available upon request.
Specifications are subject to change without notice.