Building connections that last™

ASC Engineered Solutions

Industrial PVF

SHARPE An ASC Engineered Solution

SCI An ASC Engineered Solution

FPPI An ASC Engineered Solution

You get it All.

Industrial

Smith-Cooper provides an unrivaled selection SCI branded Industrial PVF products. From basic fittings & nipples to high performance engineered valves – in stock – ready to ship today. All your Industrial PVF needs available on a single purchase order. What you need, when you need it. Backed by the SCI trademark – assuring the industry leading quality, traceability, packaging and integrity you can rely on.

Fire Protection

Commitment to the Fire Protection Industry for more than 15 years, our full line of SCI branded quality products include a comprehensive line of UL/FM threaded and grooved fittings & valves. SCI's dedication to service and large nationwide inventories, completes this comprehensive fire package.

Oil & Energy

Whether it's production, transmission, storage, transportation or refining you'll find the SCI Trademark. As a recognized leader in the manufacture and distribution of fully Traceable PVF products, Smith-Cooper maintains a vast and comprehensive inventory. With strategically located distribution centers, same day shipping & industry leading fill rates, SCI can create a stress free sourcing solution – allowing you focus on meeting the expectations of your customers.

Lead Free

As a leading supplier of Lead Free products since 2008, SCI carries the full range of Lead Free Brass and Galvanized Fittings, Pipe Nipples & Valves – through 4" – as well as Stainless Steel alternatives. SCI Lead Free products are manufactured and certified compliant with the Federal Safe Drinking Water Act and all applicable state laws. Let Smith-Cooper help you turn Lead Free from a problem into a profit center.

Industrial

Sharpe Valves have been recognized within the PVF industry for quality, economic, industrial valves. Ball Valves, Butterfly Valves and a complete line of Gate, Globe and Check Valves are available from any of the Smith-Cooper distribution centers across the country in a wide range of sizes (1/4" – 12").

Automation & Control

With the development of our new state of the art automation facility, we will deliver Sharpe Automated Ball or Butterfly Valve assemblies to satisfy your customer's requirements. Whether Pneumatic or Electric Actuation, we will assemble and test the entire valve assembly.

Engineered

As an ISO 9001 valve designer, Sharpe has developed a reputation for solving the toughest applications. After years of extensive testing, Sharpe has introduced a completely new valve platform to comply with the latest API 608 specifications and exceed industry standards of monitoring fugitive emissions.

All in one place.

Commercial

Smith-Cooper International's Commercial Stainless Package includes a full line of SCI Heavyweight 150# Threaded and Socketweld Stainless Fittings, along with Stainless Schedule 40 Welded and Schedule 80 Seamless Nipples and Pipe in 20' lengths. Other parts of the package are SCI Stainless Ball Valves and Stainless Threaded Gate, Globe and Check Valves. A full line of Stainless Compression Fittings, Valves, and Seamless Tubing rounds out our Commercial offering.

Industrial

Smith-Cooper has a diverse offering of Stainless Products to service the Industrial Market, consisting of Stainless 3000# Threaded and Socket Weld Fittings; Schedule 10 and Schedule 40 Stainless Butt Weld Fittings; Stainless ASA Forged Flanges; Smith-Cooper also inventories Stainless Plate Flanges for Pipe sizes and Tube OD Sizes; complimented by Stainless Welded Pipe in Schedules 10 and 40 and Stainless Seamless Pipe in Schedule 40 and 80.

Sanitary

SCI's Sanitary System is positioned to serve you with an ever expanding Sanitary product offering from our strategically located warehouses across the U.S. Along with a comprehensive inventory of 3A Fittings and Valves, we also inventory one of the largest 3A Sanitary Tube inventories in the U.S. SCI's ProPak™ System will insure that your shipment of Tubing and Fittings will arrive in pristine condition!

Fire Protection Products

Fire Protection Products Inc., FPPI®, has been a leader in the fire protection industry for over 25 years and recognized for high quality products, engineered to be durable, reliable and easy to install. Fire sprinkler valves, fire department connections, escutcheons, gauges, sealants and lubricants are just part of the line of products available.

FPPI® & SCI® Trademarks

The integration of FPPI®'s line of products with Smith-Cooper International's fire protection line of Ductile, Cast and Malleable Iron Threaded Fittings, COOPLET® Weld Outlets, COOPLOK™ Grooved couplings, fittings and valves provides the customer with a complete fire protection package, all available from one source.

UL/ULc Listed and FM approved products from FPPI® and Smith-Cooper International meet strict NFPA requirements, providing you with the branded products you trust.

It's all about time.

SMITH-COOPER®
INTERNATIONAL

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Globe Valves

- Stainless Steel
- Forged Steel
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- Cast Steel

SCI ProPak™ System

Check Valves

- Stainless Steel
- Forged Steel
- Brass
- Cast Steel
- PVC

Butterfly Valves

- Stainless Sanitary
- Ductile Iron
- Cast Iron

Straight Stops

- Brass
- PVC

Hose Bibbs / Sillcocks

- Brass
- PVC

Boiler Drains

- Brass
- PVC

Canadian Registration Numbers available at www.smithcooper.com

Stainless Ball Valves

Series SC101
316 Stainless Steel
One-Piece Ball Valve

- 1000# CWP , 150# WSP
- Reduced Port
- Body/Ball: ASTM A351 GR CF8M (SS316)
- Stem: ASTM A276 T-316
- Pressure balance hole in ball slot
- RTFE Seats
- Blow-Out Proof Stem
- Vacuum Service to 29" Hg
- Locking Handle
- Conforms to MSS SP-110
- ISO 9001:2008 Manufacturer
- Lead Free

Size in	Part Number	Packing		Weight lb
	Threaded	Inner	Master	
1/4	SC101C	30	120	0.14
3/8	SC101E	18	72	0.21
1/2	SC101G	12	48	0.39
3/4	SC101I	10	40	0.49
1	SC101K	8	32	0.82
1-1/4	SC101L	8	16	1.16
1-1/2	SC101M	6	12	1.64
2	SC101N	4	8	2.59

Series SC201
316 Stainless Steel
Two-Piece Ball Valve

- 1000# CWP, 150# WSP
- Full Port
- Body/Ball: ASTM A351 GR CF8M (SS316)
- Stem: ASTM A276 T-316
- Pressure balance hole in ball slot
- RTFE Seats
- Blow-Out Proof Stem
- Vacuum Service to 29" Hg
- Locking Handle
- ISO 9001:2008 Manufacturer
- Conforms to MSS SP-110
- Lead Free

Size in	Part Number	Packing		Weight lb
	Threaded	Inner	Master	
1/4	SC201C	10	40	0.46
3/8	SC201E	10	40	0.46
1/2	SC201G	8	32	0.60
3/4	SC201I	12	24	0.87
1	SC201K	8	16	1.45
1-1/4	SC201L	6	12	2.13
1-1/2	SC201M	2	4	3.30
2	SC201N	2	4	5.70
2-1/2	SC201P	-	2	11.59
3	SC201Q	-	2	17.10

Series SC208 & SCL208 with Locking Handle
304 Stainless Steel
Two-Piece Ball Valve

- 800# CWP, 150# WSP
- Full Port
- Body/Ball: ASTM A351 GR CF8 (SS304)
- Stem: ASTM A276 T-304
- RTFE Seats
- Blow-Out Proof Stem
- Vacuum Service to 29" Hg
- Locking Handle (SCL208 only)
- Pressure balance hole in ball slot
- Conforms to MSS SP-110
- ISO 9001:2008 Manufacturer
- Lead Free

Size in	Part Number		Packing		Weight lb
	Threaded	w/ Locking Handle	Inner	Master	
1/4	SC208C	SCL208C	12	48	0.36
3/8	SC208E	SCL208E	12	48	0.35
1/2	SC208G	SCL208G	8	32	0.52
3/4	SC208I	SCL208I	12	24	0.95
1	SC208K	SCL208K	8	16	1.21
1-1/4	SC208L	SCL208L	6	12	1.95
1-1/2	SC208M	SCL208M	4	8	2.74
2	SC208N	SCL208N	2	4	4.44

Series SC301
316 Stainless Steel
Three-Piece Ball Valve

- 1000# CWP (1/4"-2") 600# CWP (2-1/2" - 4"), 150# WSP
- Full Port
- Body/Ball/End Caps: ASTM A351 GR CF8M (SS316)
- Stem: ASTM A 276 T-316
- Pressure balance hole in ball slot
- RTFE Seats
- Blow-Out Proof Stem
- Conforms to MSS SP-110
- Vacuum Service to 29" Hg
- Locking Handle
- ISO 9001:2008 Manufacturer
- Repair Kits, Lever Handles and Oval Handles Available
- Threaded and Socketweld Available
- Lead Free

Size in	Part Number		Packing		Weight lb
	Threaded	Socket Weld	Inner	Master	
1/4	SC301THC	-	6	24	0.67
3/8	SC301THE	-	6	24	0.68
1/2	SC301THG	SC301SWG	8	16	1.01
3/4	SC301THI	SC301SWI	8	16	1.33
1	SC301THK	SC301SWK	6	12	1.96
1-1/4	SC301THL	SC301SWL	4	8	2.96
1-1/2	SC301THM	SC301SWM	-	4	4.55
2	SC301THN	SC301SWN	-	3	7.13
2-1/2	SC301THP	-	-	2	15.87
3	SC301THQ	-	-	2	23.53
4	SC301THT	-	-	2	46.19

Series SC402
316 Stainless Steel Gate Valve

- 200# CWP, 125# WSP
- 316 Stainless Steel
- Solid Wedge Disc
- Screwed in Bonnet
- Non-Rising Stem
- ISO 9001:2008 Manufacturer
- Lead Free

Size in	Part Number Threaded	Packing Master	Weight lb
1/2	SC402G	30	0.9
3/4	SC402I	25	1.2
1	SC402K	20	1.5
1-1/4	SC402L	15	2.2
1-1/2	SC402M	10	3.4
2	SC402N	5	4.5

Series SC502
316 Stainless Steel Globe Valve

- 200# CWP, 125# WSP
- 316 Stainless Steel
- Metal-to-Metal Seat
- Screwed in Bonnet
- Rising Stem
- ISO 9001:2008 Manufacturer
- Lead Free

Size in	Part Number Threaded	Packing Master	Weight lb
1/2	SC502G	40	0.7
3/4	SC502I	25	1.0
1	SC502K	20	1.4
1-1/4	SC502L	15	1.5
1-1/2	SC502M	10	2.8
2	SC502N	6	4.7

Each valve is individually tagged with CWP and WSP pressure ratings, alloy of body, ball and stem, series number and notice of LEAD FREE.

Series SC602
316 Stainless Steel Check Valve

- 200# CWP, 125# WSP
- 316 Stainless Steel
- Metal-to-Metal Seat
- Screwed Cap
- ISO 9001:2008 Manufacturer
- Lead Free

Size in	Part Number Threaded	Packing Master	Weight lb
1/2	SC602G	25	0.7
3/4	SC602I	16	1.0
1	SC602K	12	1.5
1-1/4	SC602L	9	2.2
1-1/2	SC602M	10	3.3
2	SC602N	8	4.7
2-1/2	SC602P	2	10.0
3	SC602Q	2	16.7

Series SCYS8
316 Stainless Steel Threaded Wye Strainer

- 800# CWP, 150# WSP
- 20 Mesh 316 Stainless Steel Screen
- Start-up screen included
- Blow-Down Plug
- Lead Free
- Replacement Screens Available

Size in	Part Number Threaded	Weight lb
1/2	SCYS8004	0.5
3/4	SCYS8006	0.8
1	SCYS8010	1.6
1-1/4	SCYS8012	2.0
1-1/2	SCYS8014	2.7
2	SCYS8020	4.3

Series 0384
PTFE Tape with Nickel

- Use on Stainless Steel Threads
- 90% PTFE / 10% Nickel
- Melting Point 620˚F (327˚C)
- Thickness .0045 (±.0005)
- ISO 9001:2008 Manufacturer
- ASTM Mill Spec T-27730A

Size in	Part Number	Length in	Packing Inner	Packing Master	Weight lb
1/2	0384260G	260	100	600	0.02
3/4	0384260I	260	50	300	0.04

Needle and Instrumentation Valves

Series S76BVH & S76SBVH
316 Stainless Steel Instrumentation Ball Valve

- 1000 psi @ 200° F
- PTFE seats
- Double ferrule instrumentation tube ends - S76BVH
- Single ferrule instrumentation tube ends - S76SBVH

Tube OD in	Part Number		Packing		Weight lb
	Double Ferrule	Single Ferrule	Inner	Master	
1/4	S76BVH002	S76SBVH002	1	10	0.4
3/8	S76BVH003	S76SBVH003	1	10	0.4
1/2	S76BVH004	S76SBVH004	1	10	0.7
3/4	S76BVH006	S76SBVH006	1	10	1.0
1	S76BVH010	S76SBVH010	1	10	1.6

Series S76PCV3 & S76SPCV3
316 Stainless Steel Instrumentation Check Valve

- 3000 psi @ 200° F
- Cracking Pressure 7 psi
- PTFE seats
- Double ferrule instrumentation tube ends - S76PCV3
- Single ferrule instrumentation tube ends - S76SPCV3

Tube OD in	Part Number		Packing		Weight lb
	Double Ferrule	Single Ferrule	Inner	Master	
1/4	S76PCV3002	S76SPCV3002	1	10	0.3
3/8	S76PCV3003	S76SPCV3003	1	10	0.3
1/2	S76PCV3004	S76SPCV3004	1	10	0.5
3/4	S76PCV3006	S76SPCV3006	1	10	0.6
1	S76PCV3010	S76SPCV3010	1	10	1.5

Series S76BVH6
316 Stainless Steel Instrumentation Ball Valve

- 6000 psi @ 200° F
- PTFE seats
- Double ferrule instrumentation tube ends

Tube OD in	Part Number	Packing		Weight lb
	Instrumentation	Inner	Master	
1/4	S76BVH6002	1	10	0.4
3/8	S76BVH6003	1	10	0.4
1/2	S76BVH6004	1	10	0.7
3/4	S76BVH6006	1	10	1.0
1	S76BVH6010	1	10	1.6

Series S7166NV
316 Stainless Steel Needle Valve

- 6000 lb. CWP
- Straight pattern
- NPT threaded ends
- 0°F to 450°F

Size in	Part Number	Weight lb
	Threaded	
1/4	S7166NV002	1.0
3/8	S7166NV003	1.1
1/2	S7166NV004	1.6
3/4	S7166NV006	1.9
1	S7166NV010	3.1

Series S76BVH3
316 Stainless Steel Instrumentation Ball Valve

- 3000 psi @ 200° F
- PTFE seats
- Double ferrule instrumentation tube ends

Tube OD in	Part Number	Packing		Weight lb
	Instrumentation	Inner	Master	
1/4	S76BVH3002	1	10	0.6
3/8	S76BVH3003	1	10	0.7
1/2	S76BVH3004	1	10	0.8
3/4	S76BVH3006	1	10	1.6
1	S76BVH3010	1	10	2.5

For our complete line of instrumention see pages 91-104.

Series 8170
Brass Ball Valve

- 600 lb. CWP, 150 lb. WSP
- Full port
- PTFE seats and seals
- Forged brass body
- Blow-out proof stem
- Chrome plated ball
- UL Listed (1/4" – 2") threaded
- F/M Approved, (1/2" – 2")
- CSA Approved under z21.15a for 1/2 psig (1/2" – 2") – threaded
- CSA Approved under 3-88 for 5 psig (1/2" – 2") – threaded
- Approved under ANSI/ASME B16.33 spec for Gas Piping to 125 psig (1/2" – 2")
- Meets Fed Spec WW-V-35, Type II, Class A, Style 3 (1/2" – 2")
- Conforms to MSS-SP110
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size in	Part Number	Packing		Weight lb
	Threaded	Inner	Master	
1/4	01728170C	10	160	0.4
3/8	01728170E	10	160	0.3
1/2	01728170G	10	160	0.5
3/4	01728170I	6	72	0.7
1	01728170K	4	48	1.0
1-1/4	01728170L	4	24	1.7
1-1/2	01728170M	6	18	2.3
2	01728170N	4	8	3.5
2-1/2	01728170P	1	6	7.9
3	01728170Q	2	4	11.7
4	01728170T	1	2	22.1

Series 8145
Brass Ball Valve

- 600 lb. CWP, 150 lb. WSP
- Full port
- Forged brass body
- Chrome plated ball
- PTFE seats and seals
- Blow-out proof stem
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size in	Part Number	Packing		Weight lb
	Threaded	Inner	Master	
1/4	01728145C	12	120	0.4
3/8	01728145E	12	120	0.3
1/2	01728145G	8	96	0.4
3/4	01728145I	6	72	0.6
1	01728145K	6	36	0.9
1-1/4	01728145L	6	24	1.3
1-1/2	01728145M	2	16	2.1
2	01728145N	2	12	3.1

Series 8155 & 8156
Brass Ball Valve

- 600 lb. CWP, 150 lb. WSP
- Full port
- PTFE seats and seals
- Forged brass body
- Chrome plated ball
- Blow-out proof stem
- CSA approved (1/2 thru 2) - threaded
- ISO 9001:2008 manufacturer

Size in	Part Number		Packing		Weight lb
	Threaded	Sweat	Inner	Master	
1/4	01728155C	-	10	160	0.3
3/8	01728155E	-	10	160	0.3
1/2	01728155G	01728156G	10	120	0.5
3/4	01728155I	01728156I	10	60	0.7
1	01728155K	01728156K	6	60	1.0
1-1/4	01728155L	01728156L	4	24	1.7
1-1/2	01728155M	01728156M	4	16	2.3
2	01728155N	01728156N	2	16	3.5
2-1/2	01728155P	01728156P	1	6	7.2
3	01728155Q	01728156Q	2	4	8.8
4	01728155T	01728156T	1	2	16.5

Series 8135
Brass Ball Valve

- 400 lb. CWP, 150 lb. WSP
- Standard port
- Forged brass body
- Chrome plated ball
- PTFE seats and seals
- Blow-out proof stem
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size in	Part Number	Packing		Weight lb
	Threaded	Inner	Master	
1/4	01728135C	12	120	0.3
3/8	01728135E	12	120	0.3
1/2	01728135G	12	120	0.4
3/4	01728135I	8	96	0.5
1	01728135K	8	48	0.9
1-1/4	01728135L	8	32	1.1
1-1/2	01728135M	4	24	1.7
2	01728135N	2	16	2.4
2-1/2	01728135P	2	8	5.4
3	01728135Q	2	4	8.2
4	01728135T	2	4	13.1

Note: Product contains brass which does not meet federal and state requirements for drinking water.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Brass Mini Ball, Gate & Check Valves, Bronze Gate Valves

Series 8140 & 8141 Lever Handle
Series 8142 Slotted Stem
Mini Brass Ball Valves

- 600 lb. CWP, 150 lb. WSP
- Forged brass body
- PTFE seats and seals
- ISO 9001:2008 manufacturer

Size in	Part Number	Ends Config.	Packing		Weight lb
			Inner	Master	
1/4 x 1/4	01728140CC	FIP x FIP	50	300	0.2
1/8 x 1/8	01728141AA	FIP x MIP	25	300	0.2
1/4 x 1/8	01728141CA	FIP x MIP	25	300	0.2
1/4 x 1/4	01728141CC	FIP x MIP	50	400	0.2
1/4 x 1/4	01728142CC	FIP x MIP	25	300	0.1

Series 9191 & 9192
Brass Swing Check Valve

- 200 lb. CWP, 125 lb. WSP
- Cast brass
- Forged brass disc
- ISO 9001:2008 manufacturer

Size in	Part Number		Packing		Weight lb
	Threaded	Sweat	Inner	Master	
3/8	01739191E	-	25	150	0.4
1/2	01739191G	01739192G	20	120	0.4
3/4	01739191I	01739192I	12	72	0.5
1	01739191K	01739192K	10	60	0.7
1-1/4	01739191L	01739192L	8	32	1.3
1-1/2	01739191M	01739192M	5	20	1.6
2	01739191N	01739192N	4	16	2.6
2-1/2	01739191P	01739192P	1	8	4.5
3	01739191Q	01739192Q	1	8	6.6
4	01739191T	-	1	4	11.4

Series 9193
Brass Swing Check Valve Soft Seat*

- Full floating disc
- 200 lb. CWP
- Cast brass

Size in	Part Number	Packing		Weight lb
		Inner	Master	
1/2	01739193G	20	120	0.4
3/4	01739193I	12	72	0.5
1	01739193K	10	60	0.7
1-1/4	01739193L	8	32	1.3
1-1/2	01739193M	5	20	1.6
2	01739193N	4	16	2.6

Note: Product contains brass which does not meet federal and state requirements for drinking water.

Series CV30
Brass In-Line Check Valve

- Rated at 200 psi
- Cast brass
- EPDM seat and seal
- Spring loaded, stainless steel spring, opens at 2 psi

Size in	Part Number	Packing		Weight lb
	Threaded Ends	Inner	Master	
1/2	0209CV30G	10	150	0.4
3/4	0209CV30I	18	108	0.6
1	0209CV30K	10	60	0.9
1-1/4	0209CV30L	8	40	1.5
1-1/2	0209CV30M	5	30	1.5
2	0209CV30N	4	24	3.5

Series 8501 & 8502
Brass Gate Valve

- 200 lb. CWP, 125 lb. WSP
- Full port (1/4 - 3)
- Cast brass
- Screwed in bonnet
- Non-rising brass stem
- ISO 9001:2008 manufacturer
- **Brass cross handles available**

Size in	Part Number		Packing		Weight lb
	Threaded	Sweat	Inner	Master	
1/4	01718501C	-	12	72	0.5
3/8	01718501E	01718502E	12	72	0.5
1/2	01718501G	01718502G	12	72	0.6
3/4	01718501I	01718502I	14	56	0.8
1	01718501K	01718502K	5	40	1.1
1-1/4	01718501L	01718502L	3	18	1.8
1-1/2	01718501M	01718502M	6	24	2.2
2	01718501N	01718502N	4	16	3.3
2-1/2	01718501P	01718502P	1	6	6.4
3	01718501Q	01718502Q	1	6	9.7
4	01718501T	-	1	4	17.0

Series 9101
Bronze Gate Valve

- 300 lb. CWP, 150 lb. WSP
- Full port (1/2 - 3)
- ASTM B-62 bronze
- Solid wedge disc
- Screwed in bonnet
- Non-rising stem
- Conforms to MSS SP-80
- Cast iron star handle
- ISO 9001:2008 manufacturer

Size in	Part Number	Packing		Weight lb
	Threaded	Inner	Master	
1/2	01719101G	12	72	0.6
3/4	01719101I	14	56	1.0
1	01719101K	5	40	1.3
1-1/4	01719101L	3	18	1.9
1-1/2	01719101M	6	24	2.3
2	01719101N	4	16	3.5
2-1/2	01719101P	1	6	6.7
3	01719101Q	1	6	9.1
4	01719101T	1	4	15.7

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Series 200
Straight Gas Ball Valve, FIP

- Lever/tee handle, UL Listed
- Forged brass body, two-piece
- Blow-out proof stem
- ISO 9001:2008 manufacturer

Size in	Part Number FIP x FIP	Packing Inner	Packing Master	Weight lb
3/8	0190200E	10	100	0.3
1/2	0190200G	10	100	0.3
3/4	0190200I	10	100	0.5
1	0190200K	6	48	0.9

Series 230
Straight Gas Ball Valve, FIP x Flare

Lever/tee handle, UL Listed

- Forged brass body, two-piece
- Blow-out proof stem
- ISO 9001:2008 manufacturer

Size in	Part Number FIP x Flare	Packing Inner	Packing Master	Weight lb
1/2 x 3/8	0190230GE	10	100	0.4
1/2 x 1/2	0190230GG	10	100	0.4
1/2 x 5/8	0190230GH	10	100	0.4
3/4 x 5/8*	0190230IH	10	80	0.5

5/8 Flare connection 15/16-16 threads

Series 235
Angle Gas Ball Valve, FIP x Flare

- Lever/tee handle, UL Listed
- Forged brass body, two-piece
- Blow-out proof stem
- ISO 9001:2008 manufacturer

Size in	Part Number FIP x Flare	Packing Inner	Packing Master	Weight lb
1/2 x 3/8	0190235GE	12	144	0.4
1/2 x 1/2	0190235GG	12	144	0.4
3/4 x 5/8*	0190235IH	12	144	0.6

5/8 Flare connection 15/16-16 threads

Series 236
Straight Gas Ball Valve, Flare

- Lever/tee handle, UL Listed
- Forged brass body, two-piece
- Blow-out proof stem
- ISO 9001:2008 manufacturer

Size in	Part Number Flare x Flare	Packing Inner	Packing Master	Weight lb
3/8	0190236EE	10	100	0.4
1/2	0190236GG	10	100	0.4

Series 250
Straight Gas Ball Valve, FIP

- Square operator, UL Listed
- Forged brass body, two-piece
- Blow-out proof stem
- ISO 9001:2008 manufacturer

Size in	Part Number FIP x FIP	Packing Inner	Packing Master	Weight lb
1/2	0190250G	12	144	0.3
3/4	0190250I	12	144	0.5

Series 0383
PTFE Tape (Virgin)

- Melting point 620˚F (327˚C)
- Thickness .0035 (±.0005)
- ISO 9001:2008 manufacturer
- ASTM Mil Spec T-27730A
- Manufactured especially for natural gas, propane, butane, water, oil and chemical lines

Size in	Part Number	Length in	Packing Inner	Packing Master	Weight lb
1/2	0383260GY	260	100	600	0.1

All Gas Valves are certified to:
Fed. Spec. WW-V-35, Type II Class A, Style 3 / CSA Approved
(ANSI z21.15a for 1/2 psiG) / CSA Approved (3-88 spec 5 psiG
Residential Gas)

WARNING: Cancer and Reproductive Harm -
www.P65Warnings.ca.gov

Series 160
Iron Body Butterfly Valve

- 200 psi (2" - 12")
- 150 psi (14" & 16")
- Wafer body - Cast Iron
- Lug body - Ductile Iron
- Disc materials: 316 stainless steel, nickel plated ductile iron or aluminum bronze
- Seat materials: EPDM or BUNA-N
- Lug or wafer connections
- Stainless steel stem
- Fusion bonded epoxy coating
- MSS SP-67/API 609
- ISO 5211 mounting pad
- Install between ANSI Class 125/150 flanges
- Not suitable for dead-end service or steam
- ISO 9001:2008 manufacturer
- Stem extensions available
- Phenolic backed cartridge seat
- Bi-Directional service
- Self lubricating bushings

0160W D E L 020

Valve Style	
0160W	Wafer
0160L	Lug

Disc Material	
S	316 Stainless Steel
D	Nickel Plated Ductile Iron
A	Aluminum Bronze*

Seat Material	
E	EPDM
N	BUNA-N

Operator	
L	10 Position Lever Handle
G	Gear Operator w/ Handwheel
N	Gear Operator w/ Op. Nut

Size in	
020	2
024	2-1/2
030	3
040	4
050	5
060	6
080	8
100	10
120	12

*Denotes Special Order - Lead Times Will Vary, Call For More Information

Series 17
Ductile Iron Body Butterfly Valve

- 200 psi (2" - 12")
- 150 psi (14" - 48")
- Ductile iron body
- Disc materials: 316 stainless steel
- Seat materials: EPDM or BUNA-N
- Lug or wafer
- MSS SP - 67 and API 609 compliant
- MSS SP - 25 marking
- Self-lubricating bushings
- Blow-out proof shaft
- Epoxy coated
- ISO 5211 mounting pad
- For bi-directional or dead-end service
- Valves available with undercut discs to 50 psi maximum working pressure
- Phenolic backed cartridge seat
- Stem extensions available

Series 17
Gear Operator

- Nine Sizes
- From 1,500 - 26,400 In/ lb.
- Fits Series 17 Butterfly Valves
- ISO Bolt Circle
- Cast Iron Body
- Visual Position Indicator
- Can be fitted for chainwheels, other handwheels or limit switches

SV17W 2 6 4 1 2 020

Valve Style	
SV17W	Wafer
SV17L	Lug

Body Material	
2	Ductile Iron (A356)

Disc Material	
6	316 Stainless Steel

Shaft Material	
4	Stainless Steel 416

Seat Material	
1	EPDM
2	BUNA-N

Operator	
1	10 Position Lever Handle
2	Gear Operator
7	Gear w/ Chain Wheel
8	Bare Stem

Size in	
020	2
024	2-1/2
030	3
040	4
050	5
060	6
080	8
100	10
120	12
140	14
160	16
180	18
200	20
240	24
260	26
300	30
340	34
360	36
420	42
480	48

*Denotes Special Order - Lead Times Will Vary, Call For More Information

UL/FM AWWA Resilient Wedge OS&Y Gate Valve

Series 017135FW
UL/FM AWWA Resilient Wedge OS&Y Gate Valve, Flanged

- Sizes 2 1/2"-12"
- 300 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- EPDM rubber encapsulated ductile iron wedge
- 304 Stainless Steel stem
- Wax encapsulated stainless cap screws
- Fusion bonded epoxy coating AWWA C550
- Meets AWWA C515
- Certified to ANSI/NSF 61 & 372 (Lead Free)
- UL Listed / FM Approved
- Grooved stem for tamper switch
- Pre-tapped and plugged for bypass with additional bosses
- SCL Brand for full traceability

Size in	Part Number	Weight lb
2-1/2	017135FW024	39
3	017135FW030	51
4	017135FW040	71
6	017135FW060	117
8	017135FW080	201
10	017135FW100	296
12	017135FW120	440

Series 017135FGW
UL/FM AWWA Resilient Wedge OS&Y Gate Valve, Flanged x Grooved

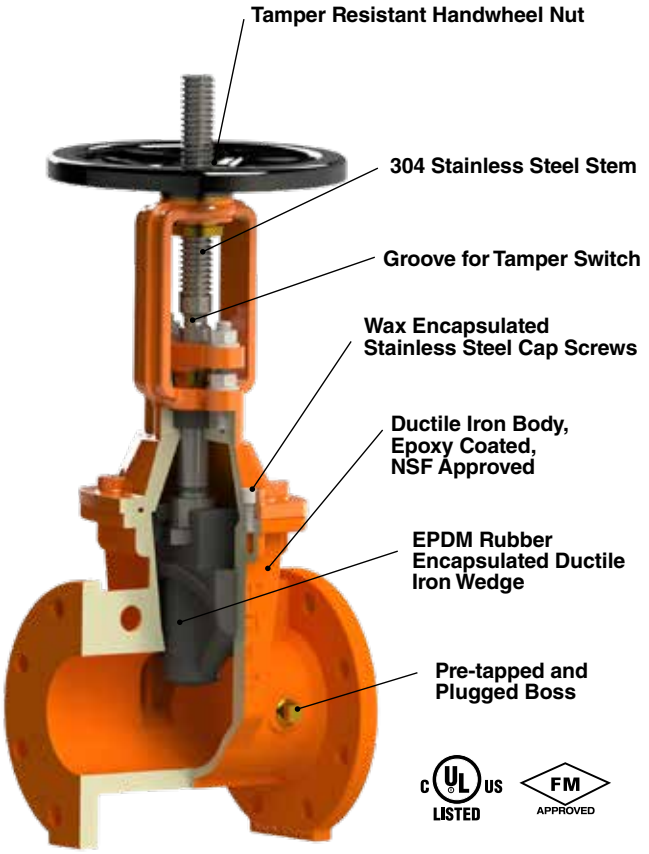
- 300 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- 304 Stainless Steel stem
- Wax encapsulated stainless cap screws
- EPDM rubber encapsulated ductile iron wedge
- Fusion bonded epoxy coating AWWA C550
- Meets AWWA C515
- Grooved dimensions meet AWWA C-606
- Certified to ANSI/NSF 61 & 372 (Lead Free)
- UL Listed / FM Approved
- Grooved stem for tamper switch
- Tapped and plugged for by-pass with additional bosses
- SCL Brand for full traceability

Size in	Part Number	Weight lb
4	017135FGW040	61
6	017135FGW060	104
8	017135FGW080	181

Series 017135GW
UL/FM Resilient Wedge OS&Y Gate Valve, Grooved

- 300 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- 304 Stainless Steel stem
- Wax encapsulated stainless cap screws
- EPDM rubber encapsulated ductile iron wedge
- Fusion bonded epoxy coating AWWA C550
- Grooved dimensions meet AWWA C-606
- Certified to ANSI/NSF 61 & 372 (Lead Free)
- UL Listed / FM Approved
- Grooved stem for tamper switch
- Pre-tapped and plugged for by-pass with additional bosses
- SCL Brand for full traceability

Size in	Part Number	Weight lb
4	017135GW040	53
6	017135GW060	91
8	017135GW080	162



Link to OS&Y Valve Submittal

www.smithcooper.com/QROSY

Series 017115FW

UL/FM AWWA Resilient Wedge NRS Gate Valve, Flanged - Handwheel

- 300 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- EPDM rubber encapsulated ductile iron wedge
- 304 Stainless Steel non-rising stem
- Wax encapsulated stainless cap screws
- Fusion bonded epoxy coating AWWA C550
- Meets AWWA C515
- Certified to ANSI/NSF 61 & 372 (Lead Free)
- UL Listed / FM Approved
- SCL Brand for full traceability

Size in	Part Number	Weight lb
2	017115FW020	29
2-1/2	017115FW024	35
3	017115FW030	46
4	017115FW040	65
6	017115FW060	108
8	017115FW080	180
10	017115FW100	251
12	017115FW120	400

Series 017115FN

UL/FM AWWA Resilient Wedge NRS Gate Valve, Flanged - Op Nut

- 300 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- EPDM rubber encapsulated ductile iron wedge
- 304 Stainless Steel non-rising stem
- Wax encapsulated stainless cap screws
- Fusion bonded epoxy coating AWWA C550
- Meets AWWA C515
- Certified to ANSI/NSF 61 & 372 (Lead Free)
- UL Listed / FM Approved
- SCL Brand for full traceability

Size in	Part Number	Weight lb
2	017115FN020	29
2-1/2	017115FN024	35
3	017115FN030	46
4	017115FN040	65
6	017115FN060	108
8	017115FN080	180
10	017115FN100	251
12	017115FN120	400

Series 017115MFN

UL/FM AWWA Resilient Wedge NRS Gate Valve, Flanged x MJ - Op Nut

- 300 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- EPDM rubber encapsulated ductile iron wedge
- 304 Stainless Steel non-rising stem
- Wax encapsulated stainless cap screws
- Fusion bonded epoxy coating AWWA C550
- Meets AWWA C515
- Certified to ANSI/NSF 61 & 372 (Lead Free)
- UL Listed / FM Approved
- SCL Brand for full traceability

Size in	Part Number	Weight lb
3	017115MFN030	46
4	017115MFN040	62
6	017115MFN060	103
8	017115MFN080	175
10	017115MFN100	270
12	017115MFN120	404

Series 017115MN

UL/FM AWWA Resilient Wedge NRS Gate Valve, Mechanical Joint - Op Nut

- 300 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- EPDM rubber encapsulated ductile iron wedge
- 304 Stainless Steel non-rising stem
- Wax encapsulated stainless cap screws
- Fusion bonded epoxy coating AWWA C550
- Meets AWWA C515
- Certified to ANSI/NSF 61 & 372 (Lead Free)
- UL Listed / FM Approved
- SCL Brand for full traceability

Size in	Part Number	Weight lb
3	017115MN030	46
4	017115MN040	62
6	017115MN060	103
8	017115MN080	175
10	017115MN100	270
12	017115MN120	404

*Series 10MN**

- Nitrile rubber encapsulated ductile iron wedge

Size in	Part Number Mechanical Joint	Weight lb
14	017110MN140	875
16	017110MN160	1225
18	017110MN180	1436

* Not UL/FM

Link to NRS Valve Submittal

www.smithcooper.com/QRNRS

UL/FM AWWA Resilient Wedge NRS Gate Valves / Top Plates

Series 017115FGW

UL/FM AWWA Resilient Wedge NRS Gate Valve, Flanged x Grooved

- 300 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- EPDM rubber encapsulated ductile iron wedge
- 304 Stainless Steel non-rising stem
- Wax encapsulated stainless cap screws
- Fusion bonded epoxy coating AWWA C550
- Meets AWWA C515
- Grooved dimensions meet AWWA C-606
- Certified to ANSI/NSF 61 & 372 (Lead Free)
- UL Listed / FM Approved
- SCL Brand for full traceability

Size in	Part Number	Weight lb
3	017115FGW030	44
4	017115FGW040	61
6	017115FGW060	104
8	017115FGW080	180
10	017115FGW100	290

Series 017115GW

UL/FM Resilient Wedge NRS Gate Valve, Grooved End

- 300 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- EPDM rubber encapsulated ductile iron wedge
- 304 Stainless Steel non-rising stem
- Wax encapsulated stainless cap screws
- Fusion bonded epoxy coating AWWA C550
- Meets AWWA C515
- Grooved dimensions meet AWWA C-606
- Certified to ANSI/NSF 61 & 372 (Lead Free)
- UL Listed / FM Approved
- SCL Brand for full traceability

Size in	Part Number	Weight lb
4	017115GW040	48
6	017115GW060	83
8	017115GW080	149

Series 017125FN

UL/FM AWWA Resilient Wedge NRS Gate Valve, Flanged w/ Top Plate

- 300 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- EPDM rubber encapsulated ductile iron wedge
- 304 Stainless Steel non-rising stem
- Wax encapsulated stainless cap screws
- Fusion bonded epoxy coating AWWA C550
- Meets AWWA C515
- Certified to ANSI/NSF 61 & 372 (Lead Free)
- UL Listed / FM Approved
- SCL Brand for full traceability

Size in	Part Number	Weight lb
4	017125FN040	79
6	017125FN060	119
8	017125FN080	189
10	017125FN100	258
12	017125FN120	396

Series 017125MFN

UL/FM AWWA Resilient Wedge NRS Gate Valve, Flanged x MJ w/ Top Plate

- 300 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- EPDM rubber encapsulated ductile iron wedge
- 304 Stainless Steel non-rising stem
- Wax encapsulated stainless cap screws
- Fusion bonded epoxy coating AWWA C550
- Meets AWWA C515
- Certified to ANSI/NSF 61 & 372 (Lead Free)
- UL Listed / FM Approved
- SCL Brand for full traceability

Size in	Part Number	Weight lb
4	017125MFN040	78
6	017125MFN060	117
8	017125MFN080	186
10	017125MFN100	276
12	017125MFN120	417

Link to NRS Valve Submittal

www.smithcooper.com/QRNRS

Series 017125MFN

UL/FM AWWA Resilient Wedge NRS Gate Valve, MJ w/ Top Plate

- 300 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- EPDM rubber encapsulated ductile iron wedge
- 304 Stainless Steel non-rising stem
- Wax encapsulated stainless cap screws
- Fusion bonded epoxy coating AWWA C550
- Meets AWWA C515
- Certified to ANSI/NSF 61 & 372 (Lead Free)
- UL Listed / FM Approved
- SCL Brand for full traceability

Size in	Part Number	Weight lb
4	017125MN040	78
6	017125MN060	120
8	017125MN080	191
10	017125MN100	286
12	017125MN120	419

Series 017125WP

UL/FM AWWA Indicator Post, Wall

- Cast iron body
- Stainless Steel Op Nut
- Fusion bonded epoxy coating
- UL Listed / FM Approved
- SCL Brand for full traceability

Size in	Part Number Mechanical Joint x Flanged	Weight lb
-	017125WP	90

Series 017125PI3672

UL/FM AWWA Indicator Post, Vertical

- Adjustable from 36” to 72”
- Cast iron body
- Stainless Steel Op Nut
- Fusion bonded epoxy coating
- UL Listed / FM Approved
- SCL Brand for full traceability

Size in	Part Number Mechanical Joint	Weight lb
36 - 72	017125PI3672	220

Link to Post Indicator Submittal

www.smithcooper.com/QRPOST

AWWA Gate Valves

Series 10FW
Flanged Gate Valve with Handwheel

- 250 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- Nitrile rubber encapsulated ductile iron wedge
- Stainless steel non-rising stem
- Wax encapsulated stainless steel cap screws
- Fusion bonded epoxy coating
- Meets AWWA C515

Size in	Part Number Flanged	Weight lb
2	017110FW020	32
2-1/2	017110FW025	43
3	017110FW030	53
4	017110FW040	74
6	017110FW060	150
8	017110FW080	215
10	017110FW100	335
12	017110FW120	478
14	017110FW140	868
16	017110FW160	1224

Series 10FN
Flanged Gate Valve with Operating Nut

- 250 lb. non-shock cold working pressure
- Ductile iron body and bonnet
- Nitrile rubber encapsulated ductile iron wedge
- Stainless steel non-rising stem
- Wax encapsulated stainless steel cap screws
- Fusion bonded epoxy coating
- Meets AWWA C515

Size in	Part Number Flanged	Weight lb
2	017110FN020	32
2-1/2	017110FN025	43
3	017110FN030	53
4	017110FN040	74
6	017110FN060	150
8	017110FN080	215
10	017110FN100	335
12	017110FN120	478
14	017110FN140	868
16	017110FN160	1224

Series 10RN
Ring Tite Joint IPS Gate Valve with Operating Nut

- 250 lb. non-shock CWP
- Ductile iron body and bonnet
- Stainless steel non-rising stem
- Wax encapsulated stainless steel cap screws
- Fusion bonded epoxy coating
- Meets AWWA C515
- IPS pipe size

Size in	Part Number Push On	Weight lb
2	017110RN020	27
2-1/2	017110RN025	38
3	017110RN030	47
4	017110RN040	69
6	017110RN060	146
8	017110RN080	208

Series 10NW & 10NN
IPS Threaded Gate Valve with Handwheel or Operating Nut

- 250 lb. non-shock CWP
- Ductile iron body and bonnet
- Stainless steel non-rising stem
- Wax encapsulated stainless steel cap screws
- Fusion bonded epoxy coating
- Meets AWWA C515

Size in	Part Number		Weight lb
	Hand Wheel	Op Nut	
2	017110NW020	017110NN020	24
3	017110NW030	017110NN030	49
4	017110NW040	017110NN040	68

Series 22FC

Flanged Ductile Iron Swing Check Valve

- 300 lb. CWP
- Meets AWWA C508
- NSF/ANSI 372-2011 Compiant
- Ductile Iron Body
- Meets MSS-SP-71
- Fusion bonded epoxy coating AWWA C550
- Flanged connection
- EPDM resilient disc
- Brass seat
- 4 boss design

Size in	Part Number Flanged	Weight lb
2	017322FC020	30
2-1/2	017322FC025	42
3	017322FC030	39
4	017322FC040	83
6	017322FC060	131
8	017322FC080	278
10	017322FC100	452
12	017322FC120	608

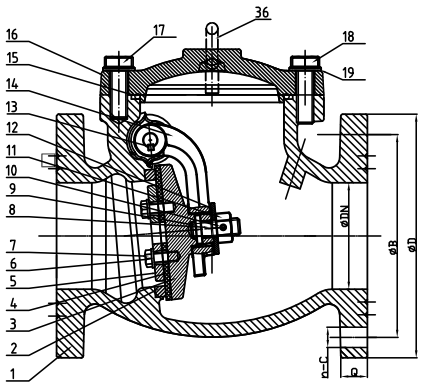
Series 22FCW

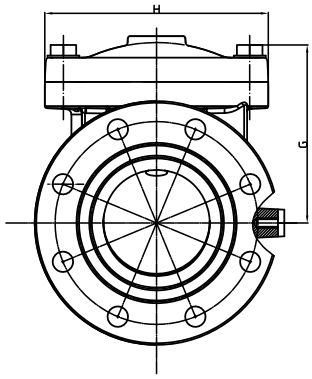
Flanged Ductile Iron Swing Check Valve with Lever and Weight

- 300 lb. CWP
- Meets AWWA C508
- NSF/ANSI 372-2011 Compiant
- Ductile Iron Body
- Meets MSS-SP-71
- Fusion bonded epoxy coating AWWA C550
- Flanged connection
- EPDM resilient disc
- Brass seat
- 4 boss design

Size in	Part Number Flanged	Weight lb
2	017322FCW020	43
2-1/2	017322FCW025	45
3	017322FCW030	58
4	017322FCW040	108
6	017322FCW060	154
8	017322FCW080	314
10	017322FCW100	368
12	017322FCW120	546

Spring Kits Available





No.	Part	Material
1	Body	Ductile Iron ASTM A536 Class B
2	Body Seat Ring	Bronze, ASTM B62
3	Disc	Ductile Iron, Epoxy Coated
4	Disc Ring	EPDM
5	Disc Washer	Steel A307 Grade B
6	Disc Bolt/Washer	Stainless Steel, Type 304
7	Bolt/Pin/Nut/ Washer	Stainless Steel, Type 304
8	Pin	Stainless Steel, Type 304
9	Key	Stainless Steel, Type 304
10	Cover O-Ring	EPDM
11	Cover Bolt/Washer	Steel A307 Grade B

No.	Part	Material
12	O-Ring	EPDM
13	Hinge Bolt	Stainless Steel, Type 304
14	Washer	Stainless Steel, Type 304
15	Cover	Ductile Iron, ASTM A536 Class B
16	Arm	Stainless Steel CF8

Boiler Drains & Evaporator Cooler Valve

Series 100 & 101
Brass Boiler Drain
- 125 lb. CWP
- Cast brass
- Cast iron handle

Size in	Part Number		Packing		Weight lb
	Female	Male	Inner	Master	
1/2	0190100G	0190101G	14	84	0.5
3/4	0190100I	0190101I	14	84	0.5

Series 101X
Brass Extended Shank Boiler Drain
- 125 lb. CWP
- Cast brass
- Extended shank model w/plastic locknut
- Cast iron handle

Size in	Part Number	Packing		Weight lb
	Male	Inner	Master	
1/2	0190101XG	12	72	0.5

Series 102 & 103
Brass Boiler Drain with Stuffing Box
- 125 lb. CWP
- Full flow
- Cast brass
- CSA Approved
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size in	Part Number		Packing		Weight lb
	Female	Male	Inner	Master	
1/2	0190102G	0190103G	12	72	0.5
3/4	0190102I	0190103I	12	72	0.5

Series 106
Brass Boiler Drain, Compression Inlet
- 125 lb. CWP
- Cast brass
- Cast iron handle

Size in	Part Number	Packing		Weight lb
	Compression	Inner	Master	
1/2	0190106G	12	72	0.5

Series 180
Brass Evaporative Cooler Valve
- 125 lb. CWP
- Cast brass
- 1/8 NPT outlet tapped in side

Size in	Part Number	Packing		Weight lb
	Female	Inner	Master	
3/4	0190180I	14	84	0.5

Series 301
Brass Boiler Drain, 1/4 Turn
- 125 lb. CWP
- Lever/tee handle

Size in	Part Number	Packing		Weight lb
	Male	Inner	Master	
1/2	0190301G	12	72	0.5
3/4	0190301I	12	72	0.6

Note: Product contains brass which does not meet federal and state requirements for drinking water.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Series 132 & 142
Brass Straight Stop with Stuffing Box

- 125 lb. CWP
- Cast brass
- CSA Approved
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size in	Part Number		Packing		Weight lb
	Threaded	Sweat	Inner	Master	
1/2	0190132G	0190142G	14	84	0.6
3/4	0190132I	0190142I	14	84	0.6

Series 136 & 146
Brass Straight Stop with Drain

- 125 lb. CWP
- Cast brass
- CSA Approved
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size in	Part Number		Packing		Weight lb
	Threaded	Sweat	Inner	Master	
1/2	0190136G	0190146G	14	84	0.6
3/4	0190136I	0190146I	12	84	0.6

Series 164
Brass No Kink Hose Bibb, MIP Inlet 1/4 Turn

- 125 lb. CWP
- Cast brass
- Red Butterfly handle
- ISO 9001:2008 manufacturer

Size in	Part Number	Ends Config.	Packing		Weight lb
			Inner	Master	
1/2	0190164G	Male	12	96	0.3
3/4	0190164I	Male	12	96	0.5

Series 361 & 362
Brass Hose Bibb, 1/4 Turn

- 125 lb. CWP
- Red Butterfly handle
- Cast brass
- ISO 9001:2008 manufacturer

Size in	Part Number		Packing		Weight lb
	Male	Female	Inner	Master	
1/2	0190361G	0190362G	12	72	0.48
3/4	0190361I	0190362I	12	72	0.53

Series 4101
Bronze Globe Valve

- 200 lb. CWP, 125 lb. WSP
- 85-5-5-5 bronze body
- Hard seat
- Conforms to MSS SP-80
- Brass stem and disc
- Cast iron handle
- ISO 9001:2008 manufacturer

Size in	Part Number	Packing		Weight lb
	Threaded	Inner	Master	
3/8	01764101E	10	100	0.6
1/2	01764101G	14	84	0.6
3/4	01764101I	10	60	0.7
1	01764101K	5	30	1.1
1-1/4	01764101L	4	32	1.9
1-1/2	01764101M	6	24	2.4
2	01764101N	4	16	3.6

Order On-Line at www.smithcooper.com

Note: Product contains brass which does not meet federal and state requirements for drinking water.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Hose Bibbs

Series 166
Brass Hose Bibb, MIP Inlet

- 125 lb. CWP
- Cast brass
- Heavy duty construction
- Green Tee handle
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size in	Part Number	Packing		Weight lb
	Male	Inner	Master	
1/2	0190166G	10	60	0.6
3/4	0190166I	10	60	0.6

Series 167
Brass No Kink Hose Bibb, Compression Inlet

- 125 lb. CWP
- Cast brass
- Heavy duty construction
- Green Tee handle
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size in	Part Number	Packing		Weight lb
	Compression	Inner	Master	
1/2	0190167G	15	90	0.5

Series 168
Brass No Kink Hose Bibb, FIP Inlet

- 125 lb. CWP
- Cast brass
- Heavy duty construction
- Green Tee handle
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size in	Part Number	Packing		Weight lb
	Female	Inner	Master	
1/2	0190168G	15	90	0.4
3/4	0190168I	15	90	0.5

Series 169
Brass No Kink Hose Bibb, MIP Inlet

- 125 lb. CWP
- Cast brass
- Heavy duty construction
- Green Tee handle
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size in	Part Number	Packing		Weight lb
	Male	Inner	Master	
1/2	0190169G	15	90	0.5
3/4	0190169I	15	90	0.5

Series 169IG
Brass No Kink Hose Bibb, Sweat Inlet

- 125 lb. CWP
- Cast brass
- Heavy duty construction
- Green Tee handle
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size in	Part Number	Packing		Weight lb
	Fem/Male SWT	Inner	Master	
3/4 x 1/2	0190169IG	15	90	0.5

Series 170
Brass Bent Nose Garden Valve, FIP Inlet

- 125 lb. CWP
- Cast brass
- Oval handle

Size in	Part Number	Packing		Weight lb
	Female	Inner	Master	
1/2	0190170G	12	72	0.7
3/4	0190170I	12	72	0.7
1	0190170K	12	72	0.7
1/2	0190170GLK*	12	72	0.6
3/4	0190170ILK*	12	72	0.7

**With Loose Key Handle*

Note: Product contains brass which does not meet federal and state requirements for drinking water.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Series 159
Brass No Kink Hose Bibb, Compression Inlet
- 125 lb. CWP
- Cast brass

Size in	Part Number	Packing		Weight lb
	Compression	Inner	Master	
1/2	0190159G	20	120	0.4

Series 160
Brass Hose Bibb, MIP Inlet
- 125 lb. CWP
- Cast brass

Size in	Part Number	Packing		Weight lb
	Male	Inner	Master	
1/2	0190160G	15	90	0.4
3/4	0190160I	15	90	0.4

Series 161
Brass No Kink Hose Bibb, MIP Inlet
- 125 lb. CWP
- Cast brass

Size in	Part Number	Packing		Weight lb
	Male	Inner	Master	
1/2	0190161G	20	120	0.3
3/4	0190161I	20	120	0.4

Series 162
Brass No Kink Hose Bibb, FIP Inlet
- 125 lb. CWP
- Cast brass

Size in	Part Number	Packing		Weight lb
	Female	Inner	Master	
1/2	0190162G	20	120	0.3
3/4	0190162I	20	120	0.4

Series 163
Brass No Kink Hose Bibb, Sweat Inlet
- 125 lb. CWP
- Cast brass

Size in	Part Number	Packing		Weight lb
	Fem/Male SWT	Inner	Master	
3/4 x 1/2	0190163IG	20	120	0.5

Series 0383
PTFE Tape (Virgin)
- Melting point 620˚F (327˚C)
- Thickness .0035 (±.0005)
- ISO 9001:2008 manufacturer
- ASTM Mil Spec T-27730A

Size in	Part Number	Length in	Packing		Weight lb
			Inner	Master	
1/2	0383260G	260	200	1200	0.1
3/4	0383260I	260	150	600	0.1
1/2	0383520G	520	200	1200	0.1
3/4	0383520I	520	150	600	0.1
1	0383260K	260	150	600	0.1
1/2 (yellow)	0383260GY	260	100	600	0.1

Note: Product contains brass which does not meet federal and state requirements for drinking water.

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Frost Free Sillcocks

Series 400
Frost Free Sillcock

- 3/4 MHT outlet
- 1/2 MIP x 1/2 SWT inlet
- Brass body
- Chrome plated

Length in	Part Number 1/2 MIP x 1/2 SWT	Packing Inner	Packing Master	Weight lb
4	0190404GG	2	48	0.9
6	0190406GG	2	48	1.0
8	0190408GG	2	48	1.0
10	0190410GG	2	48	1.1
12	0190412GG	2	48	1.2

Series 500
Frost Free Sillcock

- 3/4 MHT outlet
- 3/4 MIP x 1/2 FIP inlet
- Brass body
- Chrome plated

Length in	Part Number 3/4 MIP x 1/2 FIP	Packing Inner	Packing Master	Weight lb
4	0190504IG	2	48	1.0
6	0190506IG	2	48	1.0
8	0190508IG	2	48	1.1
10	0190510IG	2	48	1.1
12	0190512IG	2	24	1.2
14	0190514IG	2	24	1.3

Series 700
Anti-Siphon Frost Free Sillcock

- 3/4 MHT outlet
- 1/2 MIP x 1/2 SWT inlet
- Chrome plated brass body with vacuum breaker
- Metal handle (plastic handle available)
- IAPMO/UPC Listed
- CSA Approved
- ASSE Approved
- ISO 9001:2008 manufacturer

Length in	Part Number 1/2 MIP x 1/2 SWT	Packing Inner	Packing Master	Weight lb
4	0190704GG	2	24	1.0
6	0190706GG	2	24	1.1
8	0190708GG	2	24	1.1
10	0190710GG	2	24	1.2
12	0190712GG	2	24	1.3
14	0190714GG	2	24	1.3

Series 800
Anti-Siphon Frost Free Sillcock

- 3/4 MHT outlet
- 3/4 MIP x 1/2 FIP inlet
- Chrome plated brass body with vacuum breaker
- Metal handle (plastic handle available)
- IAPMO/UPC Listed
- CSA Approved
- ASSE Approved
- ISO 9001:2008 manufacturer

Length in	Part Number 3/4 MIP x 1/2 FIP	Packing Inner	Packing Master	Weight lb
4	0190804IG	2	48	1.1
6	0190806IG	2	24	1.1
8	0190808IG	2	24	1.2
10	0190810IG	2	24	1.2
12	0190812IG	2	24	1.2
14	0190814IG	2	24	1.3

Note: Product contains brass which does not meet federal and state requirements for drinking water.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Series 112VB
Brass Flanged Sillcock with Stuffing Box & Vacuum Breaker, FIP Inlet

- 125 lb. CWP
- Cast brass
- Hose end vacuum breaker installed
- Certified to NSF/ANSI 61-8
- Vacuum breaker meets ANSI 10.11 and CSA B64.2
- ISO 9001:2008 manufacturer

Size in	Part Number	Packing		Weight lb
	Female	Inner	Master	
1/2	0190112GVB	8	48	0.8

Series 112
Brass Flanged Sillcock with Stuffing Box, FIP Inlet

- 125 lb. CWP
- Cast brass
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size in	Part Number	Packing		Weight lb
	Female	Inner	Master	
1/2	0190112G	10	60	0.6
3/4	0190112I	8	48	0.6

Series 167
Vacuum Breaker

- FHT x MHT
- ASSE/UPC Approved and Marked
- Flat sealing washer
- Break away locking screw

Size in	Part Number	Packing		Weight lb
		Inner	Master	
3/4	0190167II	48	288	0.2

Series 310
Brass Flanged Sillcock, FIP Inlet 1/4 Turn

- Red Butterfly Handle
- Brass Body
- ISO 9001:2008 manufacturer

Size in	Part Number	Packing		Weight lb
	Female	Inner	Master	
1/2	0190310G	12	72	0.5
3/4	0190310I	12	72	0.6

Series 110 & 111
Brass Flanged Sillcock FIP or Sweat Inlet

- 125 lb. CWP
- Cast brass

Size in	Part Number	Connection	Packing		Weight lb
			Inner	Master	
1/2	0190110G	Female	12	72	0.5
3/4	0190110I	Female	12	72	0.5
1/2 x 3/4	0190111GI	Sweat	12	72	0.5

Series 7200
Ground Key Stop & Drain

- Max 150 psi @ 100°F

Size in	Part Number	Packing		Weight lb
	Threaded	Inner	Master	
1/2	01767200G	6	48	.9
3/4	01767200I	6	48	1.0
1	01767200K	4	32	2.0

Note: Product contains brass which does not meet federal and state requirements for drinking water.

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Series 9121 & 9122
PVC Ball Valve

- Schedule 40/80 PVC
- 150 psi @ 73˚F
- Molded-in-place construction
- White w/blue handle
- EPDM O-ring stem seal
- Santoprene seat

Size in	Part Number		Packing		Weight lb
	Threaded	Slip	Inner	Master	
1/2	02939121G	02939122G	24	96	0.2
3/4	02939121I	02939122I	18	72	0.2
1	02939121K	02939122K	20	80	0.4
1-1/4	02939121L	02939122L	20	40	0.5
1-1/2	02939121M	02939122M	14	28	0.8
2	02939121N	02939122N	5	20	1.4
2-1/2	02939121P	02939122P	-	12	3.7
3	02939121Q	02939122Q	-	8	5.6
4	02939121T	02939122T	-	3	6.3

Series 9541 & 9542
PVC Ball Valve

- Certified to NSF/ANSI 14
- Schedule 40/80 PVC
- 150 psi @ 73˚F
- PTFE seat
- EPDM O-ring stem seal
- Molded-in-place construction
- Gray w/blue handle
- Produced using virgin PVC resins

Size in	Part Number		Packing		Weight lb
	Threaded	Slip	Inner	Master	
1/2	02939541G	02939542G	24	96	0.2
3/4	02939541I	02939542I	18	72	0.2
1	02939541K	02939542K	20	80	0.4
1-1/4	02939541L	02939542L	20	40	0.5
1-1/2	02939541M	02939542M	14	28	0.8
2	02939541N	02939542N	5	20	1.4

Series 9521 & 9522
PVC Ball Valve

- Certified to NSF/ANSI 14
- Schedule 40/80 PVC
- 150 psi @ 73˚F
- PTFE seat
- EPDM O-ring stem seal
- Molded-in-place construction
- White w/blue handle
- Produced using virgin PVC resins

Size in	Part Number		Packing		Weight lb
	Threaded	Slip	Inner	Master	
1/2	02939521G	02939522G	24	96	0.2
3/4	02939521I	02939522I	18	72	0.3
1	02939521K	02939522K	20	80	0.6
1-1/4	02939521L	02939522L	20	40	0.7
1-1/2	02939521M	02939522M	14	28	1.0
2	02939521N	02939522N	5	20	1.5

Series 6122
CPVC Ball Valve, CTS Slip

- Certified to NSF/ANSI 14
- Copper Tube Size
- 150 psi @ 180˚F
- PTFE seat
- EPDM O-ring stem seal
- Cream body w/red handle
- Produced using virgin CPVC resins

Size in	Part Number	Packing		Weight lb
	Slip	Inner	Master	
1/2	02936122G	45	180	0.1
3/4	02936122I	25	100	0.2
1	02936122K	18	72	0.4

Series CV40 & CV50
PVC In-Line Check Valve

- 150 psi @ 73˚F
- Schedule 40 PVC
- EPDM seal
- Spring loaded, stainless steel spring, opens at 2 psi

Size in	Part Number		Packing		Weight lb
	Threaded	Slip	Inner	Master	
1/2	0209CV40G	0209CV50G	12	144	0.2
3/4	0209CV40I	0209CV50I	6	72	0.2
1	0209CV40K	0209CV50K	6	60	0.4
1-1/4	0209CV40L	0209CV50L	4	48	0.6
1-1/2	0209CV40M	0209CV50M	4	40	0.9
2	0209CV40N	0209CV50N	4	24	2.0

Series 7161
Celcon No Kink Hose Bibb
- Max 150 psi @ -20˚F to +180˚F

Size in	Part Number	Packing		Weight lb
	MIP x MHT	Inner	Master	
1/2	0227161G	–	108	0.2
3/4	0227161I	–	108	0.2

Series 7101 & 7102
Celcon Boiler Drain
- Max 150 psi @ -20˚F to +180˚F

Size in	Part Number		Packing		Weight lb
	Threaded	Slip	Inner	Master	
1/2	0227101G	0227102G	12	108	0.2
3/4	0227101I	0227102I	12	108	0.2

Series 8135
CPVC Straight Stop Valve with Drain
- Max 100 psi @ 100°F

Size in	Part Number	Packing		Weight lb
	Slip x Slip	Inner	Master	
1/2	0228135G	–	108	0.2

Series 6130
PVC Straight Stop Valve
- Max 100 psi @ 73°F

Size in	Part Number	Packing		Weight lb
	Slip x Slip	Inner	Master	
1/2	0226130G	12	108	0.2
3/4	0226130I	12	108	0.2

Series 7160
Celcon Hose Bibb
- Max 150 psi @ -20˚F to +180˚F

Size in	Part Number	Packing		Weight lb
	MIP x MHT	Inner	Master	
1/2	0227160G	12	108	0.2
3/4	0227160I	12	108	0.2

Series 7130
Celcon Straight Stop Valve
- Max 150 psi @ -20°F to +180°F

Size in	Part Number	Packing		Weight lb
	Threaded	Inner	Master	
1/2	0227130G	12	108	0.2
3/4	0227130I	12	108	0.2

Series 8130
CPVC Straight Stop Valve
- Max 100 psi @ 100°F

Size in	Part Number	Packing		Weight lb
	Slip x Slip	Inner	Master	
1/2	0228130G	12	108	0.2
3/4	0228130I	12	108	0.2

Quarter-Turn & Multi-Turn Valves

SHARPE® VALVES

Ball Valves
- Stainless Steel
- Carbon Steel
- Ductile Iron
- Brass

Gate Valves
- Stainless Steel
- Forged Steel
- Forged Stainless Steel
- Cast Steel

Globe Valves
- Stainless Steel
- Forged Steel
- Forged Stainless Steel
- Cast Steel

Check Valves
- Stainless Steel
- Forged Steel
- Forged Stainless Steel
- Cast Steel
- Ductile Iron

Butterfly Valves
- Ductile Iron
- Stainless Steel

Actuators & Accessories
- Pneumatic
- Electric
- Positioners
- Solenoids
- Limit Switches

Part of the SCI ProPak™ System

Ball Valves

Series 58B74
Carbon Steel Ball Valve

- 2000 lb. CWP, 150 lb. WSP
- Reduced port
- Unibody design
- RTFE seats
- Stainless steel trim
- Blow-out proof stem
- Locking device

Size in	Part Number Threaded	Weight lb
1/4	SV58B74002	0.2
3/8	SV58B74003	0.3
1/2	SV58B74004	0.7
3/4	SV58B74006	1.0
1	SV58B74010	1.5
1-1/4	SV58B74012	3.4
1-1/2	SV58B74014	3.2
2	SV58B74020	5.9

Series 58876
Stainless Ball Valve

- 800 lb. CWP, 150 lb. WSP
- Reduced port
- 316 stainless steel body
- Unibody design
- RFTE seats and TFE seals
- Blow-out proof stem
- Locking device
- Lever, Tee or oval handles

Size in	Part Number Threaded	Weight lb
1/4	SV58876002	0.1
3/8	SV58876003	0.2
1/2	SV58876004	0.4
3/4	SV58876006	0.6
1	SV58876010	1.0
1-1/4	SV58876012	1.4
1-1/2	SV58876014	1.9
2	SV58876020	2.9

Series 54574
Carbon Steel Ball Valve

- 2000 lb. CWP (1/4 - 1), 1500 lb. CWP (1-1/4 - 2), 150 lb. WSP*
- Standard port
- Two-piece design
- RTFE seats
- Locking device
- Blow-out proof stem

Size in	Part Number Threaded	Weight lb
1/4	SV54574002	0.7
3/8	SV54574003	0.7
1/2	SV54574004	0.7
3/4	SV54574006	1.4
1	SV54574010	1.8
1-1/4	SV54574012	3.2
1-1/2	SV54574014	4.3
2	SV54574020	6.1

Nova Seats for 250 psi WSP also available.

Series 54576
316 Stainless Steel Ball Valve

- 2000 lb. CWP (1/4 - 1), 1500 lb. CWP (1-1/4 - 2), 150 lb. WSP*
- Standard port
- Two-piece design
- RTFE seats
- Locking device
- Blow-out proof stem

Size in	Part Number Threaded	Weight lb
1/4	SV54576002	0.7
3/8	SV54576003	0.7
1/2	SV54576004	0.7
3/4	SV54576006	1.4
1	SV54576010	1.8
1-1/4	SV54576012	3.2
1-1/2	SV54576014	4.3
2	SV54576020	6.1

Nova Seats for 250 psi WSP also available.

Series 1011TTE
Brass Ball Valve

- 600 lb. CWP
- Full port
- Forged brass body
- Chrome plated ball
- RTFE seals
- TFE seat
- Locking device
- Blow-out proof stem
- Lever or oval handles

Size in	Part Number Threaded	Packing Inner	Packing Master	Weight lb
1/4	SV1011TTE002	10	160	0.3
3/8	SV1011TTE003	10	160	0.3
1/2	SV1011TTE004	10	120	0.5
3/4	SV1011TTE006	10	60	0.7
1	SV1011TTE010	6	60	1.0
1-1/4	SV1011TTE012	4	24	1.7
1-1/2	SV1011TTE014	4	16	2.3
2	SV1011TTE020	2	16	3.6
2-1/2	SV1011TTE024	1	6	7.7
3	SV1011TTE030	2	4	9.1
4	SV1011TTE040	1	2	16.7

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Series 50M76
316 Stainless Ball Valve

- 1000 lb. CWP, 150 lb. WSP
- Full port
- Two-piece design
- RTFE seats
- Locking device
- Blow-out proof stem
- Lever or oval handles

Size in	Part Number Threaded	Weight lb
1/4	SV50M76002	0.6
3/8	SV50M76003	0.5
1/2	SV50M76004	0.7
3/4	SV50M76006	1.1
1	SV50M76010	1.7
1-1/4	SV50M76012	2.6
1-1/2	SV50M76014	4.1
2	SV50M76020	6.8
2-1/2	SV50M76024	14.7
3	SV50M76030	22.4

Series 50B74
Carbon Steel Ball Valve, Seal Weld

- 2000 lb. CWP (1/4 - 2), 1500 lb. CWP (2-1/2 - 3), 150 lb. WSP*
- Full port
- Two-piece seal welded
- Locking device
- Blow-out proof stem

Size in	Part Number Threaded	Weight lb
1/4	SV50B74002	0.6
3/8	SV50B74003	0.5
1/2	SV50B74004	0.7
3/4	SV50B74006	1.1
1	SV50B74010	1.8
1-1/4	SV50B74012	2.7
1-1/2	SV50B74014	4.2
2	SV50B74020	6.8
2-1/2	SV50B74024	15.2
3	SV50B74030	22.6

Series 50B76
Stainless Steel Ball Valve Seal Weld

- 2000 lb. CWP (1/4 - 2), 1500 lb. CWP (2-1/2 - 3), 150 lb. WSP*
- Full port
- Two-piece seal welded
- Locking device
- Blow-out proof stem

Size in	Part Number Threaded	Weight lb
1/4	SV50B76002	0.6
3/8	SV50B76003	0.5
1/2	SV50B76004	0.7
3/4	SV50B76006	1.1
1	SV50B76010	1.8
1-1/4	SV50B76012	2.6
1-1/2	SV50B76014	4.2
2	SV50B76020	6.8
2-1/2	SV50B76024	15.2
3	SV50B76030	22.7

Series 50C747
Carbon Steel Ball Valve, Seal Weld

- 3000 lb. CWP
- Full port
- Two-piece seal welded
- Anti-static device
- Locking device
- Blow-out proof stem
- 17-4 PH stem

Size in	Part Number		Weight lb
	Threaded	Socket Weld	
1/4	SV50C747002	SV50C747PSW002	0.9
3/8	SV50C747003	SV50C747PSW003	0.8
1/2	SV50C747004	SV50C747PSW004	1.0
3/4	SV50C747006	SV50C747PSW006	2.4
1	SV50C747010	SV50C747PSW010	3.5
1-1/4	SV50C747012	SV50C747PSW012	5.1
1-1/2	SV50C747014	SV50C747PSW014	8.5
2*	SV50C747020	SV50C747PSW020	9.6
3	SV50C747030	SV50C747PSW030	13.7

* Standard port

Series 50C767
316 Stainless Steel Ball Valve, Seal Weld

- 3000 lb. CWP
- Full port
- Two-piece seal welded
- Anti-static device
- Locking device
- Blow-out proof stem
- 17-4 PH stem

Size in	Part Number		Weight lb
	Threaded	Socket Weld	
1/4	SV50C767002	SV50C767PSW002	0.9
3/8	SV50C767003	SV50C767PSW003	0.8
1/2	SV50C767004	SV50C767PSW004	1.0
3/4	SV50C767006	SV50C767PSW006	2.4
1	SV50C767010	SV50C767PSW010	3.5
1-1/4	SV50C767012	SV50C767PSW012	5.1
1-1/2	SV50C767014	SV50C767PSW014	8.5
2*	SV50C767020	SV50C767PSW020	9.6
3	SV50C767030	SV50C767PSW030	13.7

* Standard port

Series 50F747
Carbon Steel Ball Valve, Seal Welded

- 6000 lb. CWP
- Full port
- Two-piece seal welded
- Anti-static device
- Locking device
- Blow-out proof stem
- 17-4 PH Stem

Size in	Part Number	Weight lb
	Threaded	
1/4	SV50F747002	1.2
3/8	SV50F747003	1.1
1/2	SV50F747004	1.5
3/4	SV50F747006	2.8
1	SV50F747010	4.9
1-1/4	SV50F747012	7.4
1-1/2	SV50F747014	12.1
2*	SV50F747020	14.7

* Standard port

Series 50F767
316 Stainless Steel Ball Valve, Seal Weld

- 6000 lb. CWP
- Full port
- Two-piece seal welded
- Anti-static device
- Locking device
- Blow-out proof stem
- 17-4 PH Stem

Size in	Part Number	Weight lb
	Threaded	
1/4	SV50F767002	1.2
3/8	SV50F767003	1.1
1/2	SV50F767004	1.5
3/4	SV50F767006	2.8
1	SV50F767010	4.9
1-1/4	SV50F767012	7.4
1-1/2	SV50F767014	12.1
2*	SV50F767020	14.7

* Standard port

Series 39034

Carbon Steel Ball Valve, Three-piece design

- 1000 lb. CWP
- Full port
- Locking device
- Blow-out proof stem
- Lever or oval handles

Size in	Part Number		Weight lb
	Threaded	Socket Weld	
1/4	SV39034TE002	SV39034SW002	0.7
3/8	SV39034TE003	SV39034SW003	0.6
1/2	SV39034TE004	SV39034SW004	1.1
3/4	SV39034TE006	SV39034SW006	1.3
1	SV39034TE010	SV39034SW010	1.9
1-1/4	SV39034TE012	SV39034SW012	2.7
1-1/2	SV39034TE014	SV39034SW014	4.2
2	SV39034TE020	SV39034SW020	7.2

Series 39036

316 Stainless Steel Ball Valve, Three-piece design

- 1000 lb. CWP
- Full port
- Locking device
- Blow-out proof stem
- Lever or oval handles

Size in	Part Number		Weight lb
	Threaded	Socket Weld	
1/4	SV39036TE002	SV39036SW002	0.7
3/8	SV39036TE003	SV39036SW003	0.6
1/2	SV39036TE004	SV39036SW004	1.1
3/4	SV39036TE006	SV39036SW006	1.4
1	SV39036TE010	SV39036SW010	2.0
1-1/4	SV39036TE012	SV39036SW012	2.9
1-1/2	SV39036TE014	SV39036SW014	4.3
2	SV39036TE020	SV39036SW020	7.4

Series 53034

Carbon Steel Ball Valve, Three-piece design

- 1000 lb. CWP 1/4" - 2"
- 600 lb. CWP 2 1/2" - 4"
- Full port
- RTFE seat
- Locking device
- Blow-out proof stem
- Actuator mounting pad
- Lever or oval handles

Size in	Part Number		Weight lb
	Threaded	Socket Weld	
1/4	SV53034TE002	SV53034SW002	0.9
3/8	SV53034TE003	SV53034SW003	0.9
1/2	SV53034TE004	SV53034SW004	1.2
3/4	SV53034TE006	SV53034SW006	1.9
1	SV53034TE010	SV53034SW010	2.6
1-1/4	SV53034TE012	SV53034SW012	4.1
1-1/2	SV53034TE014	SV53034SW014	6.4
2	SV53034TE020	SV53034SW020	9.8
2-1/2	SV53034TE024	SV53034SW024	15.1
3	SV53034TE030	SV53034SW030	21.3
4	SV53034TE040	SV53034SW040	34.6

Series 53036

316 Stainless Steel Ball Valve, Three-piece design

- 1000 lb. CWP 1/4" - 2"
- 600 lb. CWP 2 1/2" - 4"
- Full port
- RTFE seat
- Locking device
- Blow-out proof stem
- Actuator mounting pad
- Lever or oval handles

Size in	Part Number		Weight lb
	Threaded	Socket Weld	
1/4	SV53036TE002	SV53036SW002	0.9
3/8	SV53036TE003	SV53036SW003	0.9
1/2	SV53036TE004	SV53036SW004	1.2
3/4	SV53036TE006	SV53036SW006	1.8
1	SV53036TE010	SV53036SW010	2.5
1-1/4	SV53036TE012	SV53036SW012	4.0
1-1/2	SV53036TE014	SV53036SW014	6.2
2	SV53036TE020	SV53036SW020	9.6
2-1/2	SV53036TE024	SV53036SW024	15.1
3	SV53036TE030	SV53036SW030	21.3
4	SV53036TE040	SV53036SW040	34.6

Series 54114
Carbon Steel Flanged Ball Valve, Unibody

- 150 lb. flanged ends
- Standard port
- TFM seats 1 - 4
- RTFE seats 6 - 8
- Locking device
- Blow-out proof stem
- 316 Stainless steel ball & stem

Size in	Part Number Flanged	Weight lb
1	SV54114M010	5.6
1-1/2	SV54114M014	12.2
2	SV54114M020	25.4
2-1/2	SV54114M024	34.0
3	SV54114M030	38.5
4	SV54114M040	53.5
6	SV54114M060	79.2
8	SV54114M080	189.2

Series 54116
316 Stainless Steel Flanged Ball Valve, Unibody

- 150 lb. flanged ends
- Standard port
- TFM seats 1/2 - 4
- RTFE seats 6 - 8
- Locking device
- Blow-out proof stem

Size in	Part Number Flanged	Weight lb
1	SV54116M010	5.6
1-1/2	SV54116M014	12.2
2	SV54116M020	25.4
2-1/2	SV54116M024	34.0
3	SV54116M030	38.5
4	SV54116M040	53.5
6	SV54116M060	79.2
8	SV54116M080	189.2

Series 50114
Carbon Steel Flanged Ball Valve, 2-Piece

- 150 lb. flanged ends
- Full port
- Locking device
- Blow-out proof stem
- 316 Stainless steel ball & stem

Size in	Part Number Flanged	Weight lb
1/2	SV50114M004	3.7
3/4	SV50114M006	4.8
1	SV50114M010	6.8
1-1/2	SV50114M014	13.5
2	SV50114M020	19.6
2-1/2	SV50114M024	36.5
3	SV50114M030	44.2
4	SV50114M040	63.7

Series 50116
316 Stainless Steel Flanged Ball Valve, 2-Piece

- 150 lb. flanged ends
- Full port
- 316 Stainless steel body and trim
- Locking device
- Blow-out proof stem

Size in	Part Number Flanged	Weight lb
1/2	SV50116M004	3.7
3/4	SV50116M006	4.8
1	SV50116M010	6.8
1-1/2	SV50116M014	13.5
2	SV50116M020	19.6
2-1/2	SV50116M024	36.5
3	SV50116M030	44.2
4	SV50116M040	63.7

Series N66
Sanitary Ball Valve

- 316 stainless steel
- Full tube port
- Three-piece design
- High cycle stem
- Hygienic seating
- ISO 5211 mounting pad
- Locking device
- Encapsulated body seal

Size in	Part Number Clamp Ends	Weight lb
1/2	SVN6666MTCE004	1.2
3/4	SVN6666MTCE006	2.0
1	SVN6666MTCE010	3.0
1-1/2	SVN6666MTCE014	6.0
2	SVN6666MTCE020	9.2
2-1/2	SVN6666MTCE024	12.1
3	SVN6666MTCE030	16.2
4	SVN6666MTCE040	18.9

Series 88
High Purity BPE Compliant Full Port Tube Ball Valve

- ASME/BPE - 2009 Compliant
- Full Port
- Size 1/4" to 4"
- Available in 316L Stainless Steel
- Ends: CE (Clamp Ends), BW, SW, BTE (Extended Buttweld Tube)
- Pressure up to 1480 PSI*
- Temperature up to 550° F*
- 3-Piece Design
- High Cycle Stem Design
- Encapsulated Body Bolts
- Variety of Seats, Seals and Aseptic end Connections
- Integral ISO 5211 Mounting Pad
- Lockable, Lever, Extended or Oval Handle
- All Wetted Parts Polished To 14-18 RA
- Optional 8-10 RA Electropolish
- Optional Purge Ports Available

Series 75
Sanitary 3 & 4 Way Ball Valve

- Tube Full Port
- Size 1/4" to 2"
- Available in 316L Stainless Steel
- Ends: NPT, SW
- Pressure up to 1000 PSI*
- Temperature up to 450° F*
- ISO 5211 Mounting Pad
- TFM Seats
- 4-Seat Design
- "L" or "T" Port Balls
- 10 Different Flow Configurations
- Direct Mount Design
- Lockable Lever Handle Standard
- Extended or Oval Handle Optional
- Live Loaded Stem Packing
- Blowout Proof Stem

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Series 30276
316 Stainless Steel
Gate Valve

- 200 lb. @ 350°F
- Inside Screw
- Non-rising stem
- Screwed bonnet
- Solid wedge disc

Size in	Part Number		Weight lb
	Threaded	Socket Weld	
1/2	SV30276TE004	SV30276SW004	0.9
3/4	SV30276TE006	SV30276SW006	1.2
1	SV30276TE010	SV30276SW010	1.6
1-1/4	SV30276TE012	SV30276SW012	2.6
1-1/2	SV30276TE014	SV30276SW014	3.7
2	SV30276TE020	SV30276SW020	5.2

Series 40276
316 Stainless Steel
Globe Valve

- 200 lb. CWP @ 350°F
- Inside screw
- Rising stem
- Screwed bonnet

Size in	Part Number		Weight lb
	Threaded	Socket Weld	
1/2	SV40276TE004	SV40276SW004	1.0
3/4	SV40276TE006	SV40276SW006	1.5
1	SV40276TE010	SV40276SW010	1.9
1-1/4	SV40276TE012	SV40276SW012	3.1
1-1/2	SV40276TE014	SV40276SW014	3.9
2	SV40276TE020	SV40276SW020	5.5

Series 20276
316 Stainless Steel
Swing Check Valve

- 200 lb. CWP @ 350°F
- 316 stainless steel
- Screwed cap

Size in	Part Number		Weight lb
	Threaded	Socket Weld	
1/4	SV20276TE002	SV20276SW002	0.8
3/8	SV20276TE003	SV20276SW003	0.8
1/2	SV20276TE004	SV20276SW004	0.7
3/4	SV20276TE006	SV20276SW006	1.1
1	SV20276TE010	SV20276SW010	1.7
1-1/4	SV20276TE012	SV20276SW012	2.4
1-1/2	SV20276TE014	SV20276SW014	3.3
2	SV20276TE020	SV20276SW020	5.0
2-1/2	SV20276TE024	SV20276SW024	9.1
3	SV20276TE030	SV20276SW030	13.2

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Series 35114

Cast Steel 150 lb. Flanged Gate Valve

- Outside screw and yoke
- Bolted bonnet
- Flexible wedge, fully guided
- Integrated seats
- Rising stem and non-rising handwheel
- Available with gear operator
- API 600

Size in	Part Number	Weight lb
2	SV35114020	37.4
2-1/2	SV35114024	59.4
3	SV35114030	72.6
4	SV35114040	105.6
6	SV35114060	171.6
8	SV35114080	264.0
10	SV35114100	387.2
12	SV35114120	572.0
14	SV35114140	836.0
16	SV35114160	1166.0
18	SV35114180	1364.0
20	SV35114200	1782.0
24	SV35114240	2530.0

Series 35116

316 Stainless Steel 150 lb. Flanged Gate Valve

- Outside screw and yoke
- Bolted bonnet
- Flexible wedge, fully guided
- Integrated seats
- Rising stem and non-rising handwheel
- API 603

Size in	Part Number	Weight lb
1/2	SV35116004	7.5
3/4	SV35116006	7.9
1	SV35116010	10.6
1-1/2	SV35116014	18.2
2	SV35116020	25.0
2-1/2	SV35116024	34.7
3	SV35116030	48.3
4	SV35116040	76.4
5	SV35116050	104.7
6	SV35116060	118.9
8	SV35116080	197.3
10	SV35116100	313.1
12	SV35116120	465.1

Series 35314

Cast Steel 300 lb. Flanged Gate Valve

- Outside screw and yoke
- Bolted bonnet
- Flexible wedge, fully guided
- Integrated seats
- Rising stem and non-rising handwheel
- API 600

Size in	Part Number	Weight lb
2	SV35314020	45.8
2-1/2	SV35314024	77.0
3	SV35314030	107.8
4	SV35314040	151.80
6	SV35314060	286.0
8	SV35314080	457.6
10	SV35314100	732.6
12	SV35314120	1179.2

Note: 600 lb. Flanged End Valve Available Upon Request

Series 35316

316 Stainless Steel 300 lb. Flanged Gate Valve

- Outside screw and yoke
- Bolted bonnet
- Flexible wedge, fully guided
- Integrated seats
- Rising stem and non-rising handwheel
- API 603

Size in	Part Number	Weight lb
1/2	SV35316004	11.8
3/4	SV35316006	13.8
1	SV35316010	15.4
1-1/2	SV35316014	35.0
2	SV35316020	45.8
2-1/2	SV35316024	55.8
3	SV35316030	84.8
4	SV35316040	142.0
6	SV35316060	253.0
8	SV35316080	376.2
10	SV35316100	651.2
12	SV35316120	891.0

Note: 600 lb. Flanged End Valve Available Upon Request

Flanged OS&Y Globe Valves

Series 45114
Cast Steel 150 lb. Flanged Globe Valve

- Bolted bonnet
- Outside screw and yoke
- Yoke integrated with bonnet
- Rising stem and handwheel

Size in	Part Number	Weight lb
2	SV45114020	48.4
2-1/2	SV45114024	63.8
3	SV45114030	88.0
4	SV45114040	140.8
6	SV45114060	231.0
8	SV45114080	338.8
10	SV45114100	633.6
12	SV45114120	1115.4
14	SV45114140	1144.0
16	SV45114160	1678.6

Series 45116
316 Stainless Steel 150 lb. Flanged Globe Valve

- Bolted bonnet
- Outside screw and yoke
- Yoke integrated with bonnet
- Rising stem and handwheel

Size in	Part Number	Weight lb
1/2	SV45116004	6.9
3/4	SV45116006	8.2
1	SV45116010	9.6
1-1/4	SV45116012	13.9
1-1/2	SV45116014	16.3
2	SV45116020	23.3
2-1/2	SV45116024	33.5
3	SV45116030	45.7
4	SV45116040	68.2
5	SV45116050	95.1
6	SV45116060	136.8
8	SV45116080	217.6
10	SV45116100	413.6
12	SV45116120	1049.4

Series 45314
Cast Steel 300 lb. Flanged Globe Valve

- Bolted bonnet
- Outside screw and yoke
- Yoke integrated with bonnet
- Rising stem and handwheel

Size in	Part Number	Weight lb
2	SV45314020	68.2
2-1/2	SV45314024	94.6
3	SV45314030	125.4
4	SV45314040	189.2
6	SV45314060	369.6
8	SV45314080	616.0
10	SV45314100	847.0
12	SV45314120	1592.8

Note: 600 lb. Flanged Globe Valves Available Upon Request

Series 45316
316 Stainless Steel 300 lb. Flanged Globe Valve

- Bolted bonnet
- Outside screw and yoke
- Yoke integrated with bonnet
- Rising stem and handwheel

Size in	Part Number	Weight lb
1/2	SV45316004	8.3
3/4	SV45316006	10.2
1	SV45316010	16.4
1-1/4	SV45316012	21.2
1-1/2	SV45316014	27.7
2	SV45316020	34.5
2-1/2	SV45316024	59.6
3	SV45316030	72.5
4	SV45316040	115.3
5	SV45316050	160.1
6	SV45316060	297.3
8	SV45316080	508.8
10	SV45316100	858.6
12	SV45316120	1216.3

Note: 600 lb. Flanged Globe Valves Available Upon Request

Series 25114
Cast Steel 150 lb. Flanged Check Valve

- Bolted cover
- Swing type
- Integrated seats
- Renewable seat rings

Size in	Part Number	Weight lb
2	SV25114020	37.4
2-1/2	SV25114024	52.8
3	SV25114030	61.6
4	SV25114040	92.4
6	SV25114060	149.6
8	SV25114080	259.6
10	SV25114100	433.4
12	SV25114120	664.4
14	SV25114140	818.4
16	SV25114160	1254.0
18	SV25114180	1463.0
20	SV25114200	1980.0
24	SV25114240	2989.8

Series 25116
316 Stainless Steel 150 lb. Flanged Check Valve

- Bolted cover
- Swing type
- Integrated seats
- Renewable seat rings

Size in	Part Number	Weight lb
1/2	SV25116004	3.5
3/4	SV25116006	4.7
1	SV25116010	6.0
1-1/4	SV25116012	7.2
1-1/2	SV25116014	10.3
2	SV25116020	17.2
2-1/2	SV25116024	25.5
3	SV25116030	32.2
4	SV25116040	62.4
5	SV25116050	82.60
6	SV25116060	103.5
8	SV25116080	167.2
10	SV25116100	295.5
12	SV25116120	429.9

Series 25314
Cast Steel 300 lb. Flanged Check Valve

- Bolted cover
- Swing type
- Integrated seats
- Renewable seat rings

Size in	Part Number	Weight lb
2	SV25314020	46.2
2-1/2	SV25314024	52.8
3	SV25314030	94.6
4	SV25314040	132.0
6	SV25314060	288.2
8	SV25314080	468.6
10	SV25314100	844.8
12	SV25314120	987.8

Note: 600 lb. Flanged End Valve Available Upon Request

Series 25316
316 Stainless Steel 300 lb. Flanged Check Valve

- Bolted cover
- Swing type
- Integrated seats
- Renewable seat rings

Size in	Part Number	Weight lb
1/2	SV25316004	5.7
3/4	SV25316006	7.8
1	SV25316010	12.1
1-1/2	SV25316014	21.1
2	SV25316020	31.5
2-1/2	SV25316024	44.7
3	SV25316030	55.4
4	SV25316040	100.8
6	SV25316060	177.5

Note: 600 lb. Flanged End Valve Available Upon Request

Series 34834
Forged Carbon Steel Gate Valve

- OS&Y
- Reduced port
- Class 800
- A105 forged carbon steel body
- Bolted bonnet
- Nace MR-01-75 compliant

Size in	Part Number		Weight lb
	Threaded	Socket Weld	
1/4	SV34834TE002	-	4.9
3/8	SV34834TE003	-	4.9
1/2	SV34834TE004	SV34834SW004	4.9
3/4	SV34834TE006	SV34834SW006	5.3
1	SV34834TE010	SV34834SW010	9.00
1-1/4	SV34834TE012	SV34834SW012	12.5
1-1/2	SV34834TE014	SV34834SW014	15.5
2	SV34834TE020	SV34834SW020	24.0

Series 34836
Forged 316L Stainless Steel Gate Valve

- OS&Y
- Reduced port
- Class 800
- A182 / 316L stainless steel body
- Bolted bonnet
- Nace MR-01-75 compliant

Size in	Part Number		Weight lb
	Threaded	Socket Weld	
1/2	SV34836TE004	SV34836SW004	4.9
3/4	SV34836TE006	SV34836SW006	5.3
1	SV34836TE010	SV34836SW010	9.3
1-1/4	SV34836TE012	SV34836SW012	12.5
1-1/2	SV34836TE014	SV34836SW014	15.5
2	SV34836TE020	SV34836SW020	24.0

Series 44834
Forged Carbon Steel Globe Valve

- Class 800
- A105 forged carbon steel body and bonnet
- Bolted bonnet
- Nace MR-01-75 compliant

Size in	Part Number		Weight lb
	Threaded	Socket Weld	
1/4	SV44834TE002	-	5.0
3/8	SV44834TE003	-	5.0
1/2	SV44834TE004	SV44834SW004	5.0
3/4	SV44834TE006	SV44834SW006	5.2
1	SV44834TE010	SV44834SW010	9.5
1-1/4	SV44834TE012	SV44834SW012	12.7
1-1/2	SV44834TE014	SV44834SW014	17.2
2	SV44834TE020	SV44834SW020	27.5

Series 44836
Forged 316L Stainless Steel Globe Valve

- Class 800
- A182 / 316L forged stainless steel body and bonnet
- Bolted bonnet
- Nace MR-01-75 compliant

Size in	Part Number		Weight lb
	Threaded	Socket Weld	
1/2	SV44836TE004	SV44836SW004	5.0
3/4	SV44836TE006	SV44836SW006	5.2
1	SV44836TE010	SV44836SW010	9.5
1-1/4	SV44836TE012	SV44836SW012	12.7
1-1/2	SV44836TE014	SV44836SW014	17.2
2	SV44836TE020	SV44836SW020	27.5

Series 24834
Forged Carbon Steel Piston Check Valve

- Class 800
- A105 forged carbon steel body
- Bolted cover
- Nace MR-01-75 compliant

Size in	Part Number		Weight lb
	Threaded	Socket Weld	
1/4	SV24834TE002	SV24834SW002	3.1
3/8	SV24734TE003	SV24834SW003	3.1
1/2	SV24834TE004	SV24834SW004	3.3
3/4	SV24834TE006	SV24834SW006	3.7
1	SV24834TE010	SV24834SW010	7.3
1-1/4	SV24834TE012	SV24834SW012	9.2
1-1/2	SV24834TE014	SV24834SW014	9.2
2	SV24834TE020	SV24834SW020	13.1

Series 24836
316L Stainless Steel Piston Check Valve

- Class 800
- A182 / 316L forged stainless steel body
- Bolted cover
- Nace MR-01-75 compliant

Size in	Part Number		Weight lb
	Threaded	Socket Weld	
1/4	SV24836TE002	SV24836SW002	3.1
3/8	SV24836TE003	SV24836SW003	3.1
1/2	SV24836TE004	SV24836SW004	3.3
3/4	SV24836TE006	SV24836SW006	3.7
1	SV24836TE010	SV24836SW010	7.3
1-1/4	SV24836TE012	SV24836SW012	9.2
1-1/2	SV24836TE014	SV24836SW014	9.2
2	SV24836TE020	SV24836SW020	13.1

Series 24834SC
Forged Carbon Steel Swing Check Valve

- Class 800
- A105 forged carbon steel body
- Bolted cover
- Nace MR-01-75 compliant

Size in	Part Number		Weight lb
	Threaded	Socket Weld	
1/2	SV24834SCTE004	SV24834SCSW004	3.3
3/4	SV24834SCTE006	SV24834SCSW006	3.7
1	SV24834SCTE010	SV24834SCSW010	7.3
1-1/4	SV24834SCTE012	SV24834SCSW012	9.2
1-1/2	SV24834SCTE014	SV24834SCSW014	9.2
2	SV24834SCTE020	SV24834SCSW020	13.1

Series 24836SC
316L Stainless Steel Swing Check Valve

- Class 800
- A182 / 316L forged stainless steel body
- Bolted cover
- Nace MR-01-75 compliant

Size in	Part Number		Weight lb
	Threaded	Socket Weld	
1/2	SV24836SCTE004	SV24836SCSW004	3.3
3/4	SV24836SCTE006	SV24836SCSW006	3.7
1	SV24836SCTE010	SV24836SCSW010	7.3
1-1/4	SV24836SCTE012	SV24836SCSW012	9.2
1-1/2	SV24836SCTE014	SV24836SCSW014	9.2
2	SV24836SCTE020	SV24836SCSW020	13.1

Series SVOP54DA6RV & SVOP50DA6RV

Ductile Iron
Ball Valve, 2-Piece

- 1000 psi
- Standard port - SVOP54DA6RV
- Full port - SVOP50DA6RV
- Nace MR-01-75 compliant
- Locking device
- Blow-out proof stem

Size in	Part Number		Weight lb
	Standard Port	Full Port	
1	-	SVOP50DA6RV010	4.4
2	SVOP54DA6RV020	SVOP50DA6RV020	10.4/16.7
3	SVOP54DA6RV030	SVOP50DA6RV030	20.0/40.7
4	SVOP54DA6RV040	-	39.7

Series SVOP50DB6RV & SVOP54DB6RV

Ductile Iron
Ball Valve, 2-Piece

- 2000 psi
- Full port - SVOP50DB6RV
- Standard port - SVOP54DB6RV
- Nace MR-01-75 compliant
- Locking device
- Blow-out proof stem

Size in	Part Number		Weight lb
	Standard Port	Full Port	
3/4	-	SVOP50DB6RV006	3.7
1	SVOP54DB6RV010	SVOP50DB6RV010	3.9/4.5
1 1/2	-	SVOP50DB6RV014	6.8
2	SVOP54DB6RV020	SVOP50DB6RV020	10.4/12.8
2 1/2	-	SVOP50DB6RV024	20.1
3	SVOP54DB6RV030	SVOP50DB6RV030	20.0/39.7
4	SVOP54DB6RV040	SVOP50DB6RV040	29.4/52.7

Series SVOP54CC6DV & SVOP50CC6DV

Carbon Steel
Ball Valve, 2-Piece

- 3000 psi
- Standard port - SVOP54CCDV
- Full port - SVOP50CC6DV
- Nace MR-01-75 compliant
- Locking device
- Blow-out proof stem

Size in	Part Number		Weight lb
	Standard Port	Full Port	
1	-	SVOP50CC6DV010	4.5
2	SVOP54CC6DV020	SVOP50CC6DV020	12.8
3	-	SVOP50CC6DV030	20.1

Series SVOP54DN6RV

Ductile Iron
Ball Valve, 2-Piece

- 1500 psi
- Standard port
- Nace MR-01-75 compliant
- Locking device
- Blow-out proof stem

Size in	Part Number	Weight lb
	Threaded	
2	SVOP54DN6RV020	10.4
3	SVOP54DN6RV030	12.8

Series SVOP54CQ6DV

Carbon Steel
Ball Valve, 2-Piece

- 2500 psi
- Standard port
- Nace MR-01-75 compliant
- Locking device
- Blow-out proof stem

Size in	Part Number	Weight lb
	Threaded	
2	SVOP54CQ6DV020	12.8

Series SVOP54CE6DV & SVOP50CE6DV

Carbon Steel
Ball Valve, 2-Piece

- 5000 psi
- Standard port - SVOP54CE6DV
- Full port - SVOP50CE6DV
- Nace MR-01-75 compliant
- Locking device
- Blow-out proof stem

Size in	Part Number		Weight lb
	Standard Port	Full Port	
1	-	SVOP50CE6DV010	4.5
2	SVOP54CE6DV020	-	12.8

Series OP20CC6VV
Carbon Steel Swing Check Valve

- Carbon steel body
- 720, 1440, 2160, 3000 psi
- Nace MR-01-75 compliant
- 316 stainless steel one-piece hanger and disc
- Full flow when open
- Top entry swing check

Size in	Pressure psi	Part Number Threaded	Weight lb
1	720	SVOP20CC6VV010720	6.5
1	1440	SVOP20CC6VV0101440	6.5
1	2160	SVOP20CC6VV0102160	6.5
1	3000	SVOP20CC6VV0103000	6.5
2	720	SVOP20CC6VV020720	12.0
2	1440	SVOP20CC6VV0201440	12.0
2	2160	SVOP20CC6VV0202160	12.0
2	3000	SVOP20CC6VV0203000	12.0
3	720	SVOP20CC6VV030720	33.0
3	1440	SVOP20CC6VV0301440	33.0
3	2160	SVOP20CC6VV0302160	33.0
3	3000	SVOP20CC6VV0303000	33.0

Order On-Line at www.smithcooper.com

Series OP20DB6VV
Ductile Iron Swing Check Valve

- Ductile iron body
- 300, 600, 720, 750, 1000, 1440, 1500, 2000 psi
- Nace MR-01-75 compliant
- 316 stainless steel one-piece hanger and disc
- Full flow when open
- Top entry swing check

Size in	Pressure psi	Part Number Threaded	Weight lb
1	300	SVOP20DB6VV010300	6.0
1	600	SVOP20DB6VV010600	6.0
1	720	SVOP20DB6VV010720	6.0
1	750	SVOP20DB6VV010750	6.0
1	1000	SVOP20DB6VV0101000	6.0
1	1440	SVOP20DB6VV0101440	6.0
1	1500	SVOP20DB6VV0101500	6.0
1	2000	SVOP20DB6VV0102000	6.0
2	300	SVOP20DB6VV020300	11.7
2	600	SVOP20DB6VV020600	11.7
2	720	SVOP20DB6VV020720	11.7
2	750	SVOP20DB6VV020750	11.7
2	1000	SVOP20DB6VV0201000	11.7
2	1440	SVOP20DB6VV0201440	11.7
2	1500	SVOP20DB6VV0201500	11.7
2	2000	SVOP20DB6VV0202000	11.7
3	300	SVOP20DB6VV030300	27.8
3	600	SVOP20DB6VV030600	27.8
3	720	SVOP20DB6VV030720	27.8
3	750	SVOP20DB6VV030750	27.8
3	1000	SVOP20DB6VV0301000	27.8
3	1440	SVOP20DB6VV0301440	27.8
3	1500	SVOP20DB6VV0301500	27.8
3	2000	SVOP20DB6VV0302000	27.8
4	300	SVOP20DB6VV040300	59.5
4	600	SVOP20DB6VV040600	59.5
4	720	SVOP20DB6VV040720	59.5
4	750	SVOP20DB6VV040750	59.5
4	1000	SVOP20DB6VV0401000	59.5
4	1440	SVOP20DB6VV0401440	59.5
4	1500	SVOP20DB6VV0401500	59.5
4	2000	SVOP20DB6VV0402000	59.5

3-Piece Ball Valves, 2-Piece Ball Valve

API 608

Series 80/89

3-Piece Standard/ Full Port Ball Valve

- Class 800 1/4"- 2-1/2"
- Class 300 3"- 4"
- Size Range - 1/4" to 4" (3" Series 89)
- Materials: 316 Stainless Steel, Carbon Steel, Alloy 20
- Ends: Threaded NPT & BSPT, Socket Weld & Butt Weld, Flanged 150#, 300#, 600#
- Pressure up to 3000 PSI*
- Temperature -50° to 550° F*
- ASME B16.34 Design
- NACE MR0175 Compliant
- Bottom Entry Live Loaded Stem
- High Cycle Stem Packing
- Encapsulated Body Bolts and Seals
- Integral ISO 5211 Mounting Pad
- Lockable Lever, Oval & Tamper-Proof Handle
- Encapsulated Body Seal
- Weldable in line without disassembly of ends
- Integral Fugitive Emission Body Optional

* Dependent on Seat Material

API 608

Series 74

Flanged Standard Port Ball Valve

- ASME B 16.34
- ASME B 16.5
- Size Range: 1/2" to 4"
- Materials: 316 Stainless Steel, Carbon Steel, Alloy 20
- Ends: 150#, 300# Flanged
- Pressure up to 720 PSI*
- Temperature Up to 550° F*
- NACE MR0175 Compliant
- Blowout Proof Stem
- Bottom Entry Line Loaded Stem
- Integral ISO 5211 Mounting Pad
- Variety of Seats and Seals
- Lockable Lever Handle Standard
- Extended or Oval Handle Optional
- Tamper Proof Locking Device Optional
- Integral Fugitive Emission Body Optional

* Size limitations

API 608

Series 70

Flanged 2-Piece Full Port Ball Valve

- ASME B 16.34
- ASME B 16.5
- Full Port
- Size Range: 1/2" to 4"
- Materials: 316 Stainless Steel, Carbon Steel, Alloy 20
- Ends: 150#, 300# Flanged
- Pressure up to 720 PSI*
- Temperature Up to 550° F*
- NACE MR0175 Compliant
- Blowout Proof Stem
- Bottom Entry Line Loaded Stem
- Integral ISO 5211 Mounting Pad
- Variety of Seats and Seals
- Lockable Lever Handle Standard
- Extended or Oval Handle Optional
- Tamper Proof Locking Device Optional
- Integral Fugitive Emission Body Optional

* Size limitations

API 607

Series FS50/FS54

Fire Safe Ball Valve

- Fire Safe API 607 4th Edition
- ASME B 16.34
- Standard Port - FS54
- Full Port - FS50
- Uni-body - FS54
- Size Range: 1-1/2" to 4" - FS54
- Size Range:1/2" to 12"
- Blowout Proof Stem
- Materials: 316 Stainless Steel, Carbon Steel, Alloy 20
- Blow-Out Proof Stems
- Anti-Static Configuraton
- Live-Load Stem Seals
- Fully Encapsulated Body Seals
- Slotted Seat Design
- Floating Ball Design
- NACE MR0175 Compliant
- Integral ISO 5211 Mounting Pad
- Variety of Seats and Seals
- Lockable Lever Handle

Series V84

V-Port Control Valve

- Port: 15° V, 30° V or 60° V (Special Configurations Available)
- Size range 1/4" to 4"
- Available in 316 Stainless Steel, Carbon Steel, Alloy 20, Hastelloy C and Monel
- Ends: NPT, SW, BW; 150#, 300#, 600# Flanged
- Pressure: Vacuum to 3000 PSI*
- Temperature: -50° to 600° F*
- 3-Piece Design
- Bottom Entry Live Loaded Stem
- High Cycle Stem Packing
- Encapsulated Body Bolts
- Variety of Seats and Seals
- "No Play" Coupling
- Integral ISO 5211 Mounting Pad
- Metal Seats Available for Slurry and High Temperatures Applications
- Weldable in-line without disassembly of ends

* Size limitations

Series 11

2-Piece Direct Mount Ball Valve

- Full Port
- Size Range - 1/4" to 2"
- NPT Ends
- CWP 1000psi
- Max Temperature 425° F
- Integral ISO 5211 Direct Mounting Pad
- For use with Pneumatic or Electric Actuators
- Compact Dependable Automated Assemblies
- Live Loaded Multiple Packing Stem Seal
- Lockable Lever Handle Standard
- 316 Stainless Steel, Carbon Steel
- Oval Handle Optional

* Shown with 4x4 pneumatic actuator

Series 12

2-Piece Direct Mount Ball Valve

- Full Port
- Size Range - 1/4" to 2"
- NPT Ends
- CWP 2000psi
- Max Temperature 500° F
- 316 Stainless Steel, Carbon Steel
- Heavy Duty Stem
- Integral ISO 5211 Direct Mounting Pad
- For use with Pneumatic or Electric Actuators
- In-service Adjustable Stem Packing
- Compact Dependable Automated Assemblies
- Live Loaded Stem with 4 Belleville Washers
- Lockable Lever Handle Standard
- Oval Handle Optional

* Shown with SPNII pneumatic actuator

Series 13

3-Piece Direct Mount Ball Valve

- Full Port
- Size Range - 1/4" to 4"
- NPT, SW, BW Ends
- CWP 1000psi - 1/4" to 2"
- CWP 600psi - 2 1/2" to 4"
- Max Temperature 450° F
- 316 Stainless Steel, Carbon Steel
- Integral ISO 5211 Direct Mounting Pad
- For use with Pneumatic or Electric Actuators
- In-service Adjustable Stem Packing
- Compact Dependable Automated Assemblies
- Live Loaded Stem with 4 Belleville Washers
- Lockable Lever Handle Standard
- Oval Handle Optional

* Shown with SPNII pneumatic actuator

Pneumatic Actuators, SEA Electric Actuator, Limit Switch & Soleoids

Series SPNII
Pneumatic Actuator

- Traditional Two-piston rack and pinion design
- Available in Double Acting and Spring Return configurations
- Hard Anodized Aluminum body with Epoxy Coated End Caps, optional Nickel Infused coating for sanitary applications
- Standard Temperature Range with Buna O-Rings: -4°F to 180°F
- Kits for low temp (-40°F to 80°F) or high temperature (+5°F to 300°F)
- Industry Standard ISO 5211 drilling and NAMUR patterns
- Bi-Directional Travel Stops for ±5° adjustment for precise control
- Pinion is specially designed with inserts that allows for Direct Mounting capabilities to Butterfly Valves that have Square, Double D, or Keyed shaft designs
- Adapter plates available, allows for mounting to different industry standard bolt circles

Series 4x4
4 Piston Pneumatic Actuator

- Unique Four-piston rack and pinion design
- Anodized Interior and Exterior aluminum body with Epoxy Coated End Caps
- Industry Standard ISO 5211 drilling and NAMUR patterns
- Multi-Function Visual Indicator can be used for Three–Way indication
- Bi-Directional Travel Stops for ±5° adjustment for precise control
- Available in Double Acting and Spring Return configurations
- Nested spring sets, with appropriate centering rings on piston face and end caps
- Four Pistons allow for shorter travel and faster response times
- Reduced size means less air consumption, reducing costs with quicker response
- Generates more torque for reduced cost, size and air consumption
- Pinion is supported by four pistons; as a result, piston side load is minimized

SEA Electric Actuator

Enclosure:
- NEMA 4X: Waterproof and dust-proof enclosure
- Material: Powder coated aluminum alloy

Motor:
- Standard extended duty cycle induction motor
- Built-in thermal protection (275°F) prevents motor burning out
- Standard Unit is 120 VAC
- Standard motors are 30% duty rated

Position Indicator:
- All models have continuous mechanical position indicator on the top of the actuator cover

Manual Override:
- Non-clutch design, upon power outage the manual override can be operated without lever, clutch or brake
- When electric motor is operating, manual hand-wheel will not rotate for safety purposes

Certifications:
- CE
- CSA (Conforming to the test standard for outdoor use)

Limit Switch

- Rugged powder coated aluminum enclosure
- UL / CE rated enclosure
- UL / CSA / CE rated switch elements
- NEMA 4 / 4X and NEMA 7/9 enclosures
- Shatterproof dome
- Various NAMUR brackets available
- Cams and bearings on shaft are splined to allow quick adjustment and protect against the effects of vibration
- Mechanical or proximity switch elements available
- Printed circuit board allows for quick, safe and easy wiring
- Solenoid terminations inside enclosure eliminates extra cost

Soleoids

- Aluminum Body
- NBR Seats
- Manual Override
- High Flow: 1.8 CV
- 1/2” Conduit Connection to Coil
- 1/4” Port Size
- Changeable between Double Acting and Spring Return
- Coils are rated by CSA / UL
- Same Body accepts NEMA 4, NEMA 7, and ATEX Coils
- Voltage Options Available Upon Request

V200 Positioner

- Housing Material is cast aluminium with polyester coating
- Flat pointed indicator or raised indicator (red/green or yellow/black)
- One housing for pneumatic or electropneumatic
- Optional gauges
- Optional range spring
- Variety of cams available
- Variety of spindles available
- External zero + span adjustment without removing the cover
- Five pilot options
- Explosion-proof, gas approved, fail-freeze, 0-5 VDC and 0-10 VDC options available
- Variety of feedback options

D400 Digital Positioner

- Microprocessor based valve positioner
- Menu driven programming with LCD display - multilingual
- Local push button configuration
- Low air consumption
- Explosion-proof & intrinsically safe modes available
- Modular design - available with position feedback, micro switches and fail freeze options, rotary or linear mounting
- NEMA 4X IP 65 enclosure, aluminum housing, electrostatically dipped varnish with stove-hardened epoxy resin
- Adaptive control feature offers the ability to update automation package without resetting the process
- Linear mounting possible
- ATEX - FM - CSA - IEC - Ex approvals available
- Available with Foundation Fieldbus, Profi-Bus and Hart Protocols

Sharpe® Valves - part of the SCI ProPak™ System

FPPI®

Fire Protection & Waterworks Products

Fire Protection & Waterworks Products

Accessories

- Escutcheons
- Fire Sprinkler Accessories
- Alarm Bells*
- Drop-In Anchors*
- Hangers/Fasteners
- Pressure Gauges*† & Gauge Kits

Brass Trim Products

- Expansion Tank*
- TrimFit® Butterfly Valves*†
- TrimFit® OS&Y Gate Valves*†
- Angle & Straight Globe Valves*†
- TrimFit® Swing Check Valves*†
- SureTest™ Inspector's Test & Drain*†
- Ball Valves*†
- 3-Way Gauge Valve*

See product pages for complete listings.

*UL Listed
† FM Approved

Sealants, Lubricants & Misc.

- PipeFit® Thread Sealants
- LubeFit® Gasket Lubricants
- ThreadFit® Cutting Oil
- Ring Gaskets & Gasket Kits
- Teflon Tape

Standpipe Equipment

- Hose Rack & Reel Accessories
- Hose Valves & Accessories
- Angle & Gate Hose Valves*
- Fire Department Connections*†
- Fire Hoses*†

Scan to download a complete FPPI catalog.

Gate Hose Valve

- 300 psi
- cULus Listed / FM Approved

Size in	Part Number	End Configuration	Finish	Packing	
				Inner	Master
2-1/2	07-070-00	FNPT x MNST	Rough Brass	1	4
2-1/2	07-070-10	FNPT x MNST	Polished Chrome	1	4
3	07-074-00	FNPT x MNST	Rough Brass	1	4
2-1/2	07-078-00	FNST Swivel x MNST	Rough Brass	1	4
2-1/2	07-078-01	FBCT/FNYCORP Swivel x MNST	Rough Brass	1	4
2-1/2	07-078-02	FQST Swivel x MNST	Rough Brass	1	4
2-1/2	07-078-03	FONT Swivel x MNST	Rough Brass	1	4
2-1/2	07-078-04	FPHX Swivel x MNST	Rough Brass	1	4
2-1/2	07-078-05	FTEM Swivel x MNST	Rough Brass	1	4
2-1/2	07-078-06	FCLV Swivel x MNST	Rough Brass	1	4
2-1/2	07-078-07	FDET Swivel x MNST	Rough Brass	1	4
2-1/2	07-078-09	FNYFD Swivel x MNST	Rough Brass	1	4
2-1/2	07-078-10	FCIN (NEW) Swivel x MNST	Rough Brass	1	4
2-1/2	07-078-11	FCIN (OLD) Swivel x MNST	Rough Brass	1	4
2-1/2	07-078-13	FRAL Swivel x MNST	Rough Brass	1	4
2-1/2	07-078-14	FNVS Swivel x MNST	Rough Brass	1	4

Fog Nozzles

- For use on Class A and Class B fires
- For general industrial use / rack and reel assemblies

Size in	Part Number	Description	Packing	
			Inner	Master
1-1/2	07-500-00	Lexan Fog	1	4
1-1/2	07-502-00	Brass Fog, UL/FM	1	2

Rack Nipples - Brass

- Secures the hose rack to the valve

Size in	Part Number	End Configuration	Packing	
			Inner	Master
1-1/2	07-934-00	MNPT x MNST	1	5
2-1/2	07-936-00	MNPT x MNST	1	4

Universal Hose Valve Caps with Chain

- Compatible with most 2½" sized hose valves*
- NOT SUITABLE FOR PRESSURE TESTING

Size in	Part Number	Packing	
		Inner	Master
2-1/2	07-280-10	1	10

*Not suitable for 2½" RCH Angle Hose Valve

Angle Hose Valves

- 300 PSI
- cULus Listed / FM Approved

Size in	Part Number	End Configuration	Finish	Packing	
				Inner	Master
2-1/2	07-000-00	FNPT x MNST	Rough Brass	1	6
2-1/2	07-000-10	FNPT x MNST	Polished Chrome	1	6
2-1/2	07-001-00	GRV x MNST	Rough Brass	1	4
2-1/2	07-001-02	GRV x MQST	Rough Brass	1	4
2-1/2	07-001-03	GRV x MNYFD	Rough Brass	1	4
2-1/2	07-002-00	FNPT x MBCT/MNYCORP	Rough Brass	1	6
2-1/2	07-003-00	FNPT x MNYFD	Rough Brass	1	6
2-1/2	07-004-00	FNPT x MQST	Rough Brass	1	6
2-1/2	07-005-00	FNPT x MRCH	Rough Brass	1	6
2-1/2	07-006-00	FNPT x MONT	Rough Brass	1	6
2-1/2	07-008-00	FNPT x MPHX	Rough Brass	1	6
2-1/2	07-010-00	FNPT x MTEM	Rough Brass	1	6
2-1/2	07-012-00	FNPT x MCLV	Rough Brass	1	6
2-1/2	07-014-00	FNPT x MDET	Rough Brass	1	6
2-1/2	07-016-00	FNPT x MCF	Rough Brass	1	6
2-1/2	07-020-00	FNPT x FNPT	Rough Brass	1	6
2-1/2	07-021-00	GRV x FNPT	Rough Brass	1	4
1-1/2	07-022-00	FNPT x MNST	Rough Brass	1	2
1-1/2	07-024-00	FNPT x FNPT	Rough Brass	1	2
2-1/2 x 3	07-050-00	FNPT x 3"MNST	Rough Brass*	1	4

*07-050-00 is made up of parts 07-020-00 with 07-970-00 installed.

Hose Valve Replacement Handles

Size in	Part Number	Description	Packing
1-1/2	07-924-00	hose valve handle w/ nut	1
2-1/2	07-926-00	hose valve handle w/ nut	1

Rack & Reel Fire Hose

- Replacement hose for Class II semiautomatic hose racks and reels
- cULus Listed / FM Approved

Size in	Part Number	Packing	
		Inner	Master
1-1/2 x 50' (NST)	07-600-00	1	4
1-1/2 x 75' (NST)	07-602-00	1	4
1-1/2 x 100' (NST)	07-604-00	1	4
1-1/2 x 75' (NPSH)	07-602-01	1	4
1-1/2 x 100' (NPSH)	07-604-01	1	4

Hose Reducers

- Hose thread x hose thread

Size in	Part Number	End Configuration	Finish	Packing	
				Inner	Master
2-1/2	07-418-00	FNST x 1½" MNPSH*	Rough Brass	1	5
2-1/2	07-418-10	FNST x 1½" MNPSH*	Polished Chrome	1	5
2-1/2	07-420-00	FNST x 1½" MNST*	Rough Brass	1	5
2-1/2	07-420-10	FNST x 1½" MNST*	Polished Chrome	1	5
2-1/2	07-420-20	FNST x 1½" MNST*	Aluminum	1	5
2-1/2	07-422-00	FBCT/FNYCORP x 1½"MNST*	Rough Brass	1	5
2-1/2	07-423-00	FBCT/FNYCORP x 1½" MNPSH*	Rough Brass	1	5
2-1/2	07-424-00	FQST x 1½" MNST*	Rough Brass	1	5
2-1/2	07-425-00	FRCH x 1½"MNST*	Rough Brass	1	5
2-1/2	07-426-00	FONT x 1½" MNST*	Rough Brass	1	5
2-1/2	07-428-00	FPHX x 1½" MNST*	Rough Brass	1	5
2-1/2	07-430-00	FTEM x 1½" MNST*	Rough Brass	1	5
2-1/2	07-432-00	FCLV x 1½" MNST*	Rough Brass	1	5
2-1/2	07-434-00	FDET x 1½" MNST*	Rough Brass	1	5
2-1/2	07-440-00	FNST x ¾" MGHT	Rough Brass	1	5
2-1/2	07-445-00	FNST x ¾" MNPT	Rough Brass	1	5

* Pin Lug

Hose Adapters

- NPT x hose thread

Size in	Part Number	End Configuration	Finish	Packing	
				Inner	Master
1-1/2	07-950-00	NST x 1½" MxM	Rough Brass	1	5
2-1/2	07-955-00	NST x 2½" MxM	Rough Brass	1	5
1-1/2	07-960-00	FNPT x 1½" MNST	Rough Brass	1	5
1-1/2	07-961-00	FNST x 1½" MNPT	Rough Brass	1	5
2-1/2	07-965-00	FNPT x 2½" MNST	Rough Brass	1	5
2-1/2	07-970-00	MNPT x 3" MNST	Rough Brass	1	2
2-1/2	07-975-00	MNST x 2" MNPT	Rough Brass	1	5

Hydrant/Spanner Wrenches

- Aluminum construction
- Fit pin lug or rocker type fittings
- Used on pentagonal hydrant nuts
- Plated steel with a bronze wrench head

Size in	Part Number	Description	Packing
-	09-292-00	Combination Spanner Wrench	1
1-1/2	09-293-00	Combination Spanner Wrench	1
2-1/2	09-294-00	Combination Spanner Wrench	1
-	09-295-00	Universal Spanner Wrench	1
-	09-296-00	Adjustable Hydrant Wrench	1

Hose Thread Plugs with Chains

- Available in Solid brass
- Available in Forged aluminum
- Available in Red plastic (1½" NST plugs are made from black plastic)

Size in	Part Number				Packing	
	Rough Brass	ABS Plastic*	Aluminum	Polished Chrome	Inner	Master
3 NST	-	07-282-00	-	-	1	10
3 NST	-	-	07-370-00	-	1	4
2-1/2 NST	07-450-00	-	07-340-00	07-450-10	1	5
2-1/2 NST	-	07-281-00	-	-	1	10
1-1/2 NST	07-470-00	07-297-00	07-360-00	-	1	10
2-1/2 RCH	07-450-15	-	-	-	1	5
2-1/2 BCT/NYCORP	07-452-00	-	-	-	1	5
2-1/2 QST	07-454-00	-	-	-	1	5
2-1/2 ONT	07-456-00	-	-	-	1	5
2-1/2 PHX	07-458-00	-	-	-	1	5
2-1/2 TEM	07-460-00	-	-	-	1	5
2-1/2 CLV	07-462-00	-	-	-	1	5
2-1/2 DET	07-464-00	-	-	-	1	5

* Not for pressurized applications

Hose Thread Caps with Chains

- Available in Solid brass
- Available in Forged aluminum
- Available in Red plastic

Size in	Part Number				Packing	
	Rough Brass	ABS Plastic*	Aluminum	Polished Chrome	Inner	Master
3 NST	07-200-00	-	07-330-00	-	1	5
2-1/2 NST	07-250-00	-	-	07-250-10	1	5
2-1/2 NST	-	07-280-00	07-300-00	-	1	10
2-1/2 BCT/NYCORP	07-252-00	-	-	-	1	5
2-1/2 QST	07-254-00	-	-	-	1	5
2-1/2 RCH	07-255-00	-	-	-	1	5
2-1/2 ONT	07-256-00	-	-	-	1	5
2-1/2 PHX	07-258-00	-	-	-	1	5
2-1/2 TEM	07-260-00	-	-	-	1	5
2-1/2 CLV	07-262-00	-	-	-	1	5
2-1/2 DET	07-264-00	-	-	-	1	5
2-1/2 CF	07-266-00	-	-	-	1	5
2-1/2 NYFD	07-253-00	-	-	-	1	5
1-1/2 NST	07-270-00	07-296-00	07-320-00	07-270-10	1	10
1-1/2 NPSH	07-272-00	-	07-322-00	07-272-10	1	10

* Not for pressurized applications

Hose Swivel Gaskets

Size in	Part Number	Packing	
		Inner	Master
3	07-918-00	1	10
2-1/2	07-920-00	1	10
1-1/2	07-922-00	1	10

Check Valves

- Solid brass, rough finish
- Spring loaded clapper
- Tapped & plugged with a ½" or ¼" IPS port
- For vertical or horizontal installation
- cULus Listed / FM Approved

Size in	Part Number	End Configuration	Packing	
			Inner	Master
4	09-550-00	MNPT x GRV	1	4
4	09-552-00	MNPT x FNPT	1	4
4	09-554-00	GRV x GRV	1	4
3	09-556-00	MNPT x GRV	1	6
3	09-558-00	MNPT x FNPT	1	6
3	09-560-00	GRV x GRV	1	6
2-1/2	09-562-00	MNPT x GRV	1	9
2-1/2	09-564-00	MNPT x FNPT	1	9
2-1/2	09-566-00	GRV x GRV	1	9
2	09-568-00	MNPT x GRV	1	10
2	09-570-00	MNPT x FNPT	1	10
2	09-572-00	GRV x GRV	1	10
1-1/2	09-574-00	MNPT x GRV	1	10
1-1/2	09-575-00	MNPT x FNPT	1	10
1-1/2	09-576-00	GRV x GRV	1	10
1-1/2	09-577-00	FNPT x FNPT	1	10

Outlet Manifold

- Solid brass, rough finish
- Female NPT or Grooved inlet x NPT or NST outlets

Size in	Part Number	End Configuration	Packing
4 x 2-1/2	09-100-00	FNPT x MNPT Straight	1
4 x 2-1/2	09-100-05	FNPT x MNST Straight	1
4 x 2-1/2	09-101-00	GRV x MNPT Straight	1
6 x 2-1/2	09-106-00	FNPT x MNPT Straight	1
6 x 2-1/2	09-107-00	GRV x MNPT Straight	1
4 x 2-1/2	09-115-00	FNPT x MNPT 90º	1
4 x 2-1/2	09-116-00	GRV x MNPT 90º	1

Fire Department Connections – Double Clapper Siamese

- Solid brass
- Double clapper design
- Standard configuration is 4" NPT x 2-1/2" x 2-1/2" NST PL
- cULus Listed / FM Approved

Size in	Part Number	Ends Config. in	Finish	Packing	
				Inner	Master
4 x 2-1/2	09-121-00	FNPT x NST Swivel "AUTO SPKR" Straight	Rough Brass	1	3
4 x 2-1/2	09-120-00	FNPT x NST Swivel "STANDPIPE" 90º	Rough Brass	1	3
4 x 2-1/2	09-121-01	FNPT x NST "AUTO SPKR" Straight	Polished Chrome	1	3
4 x 2-1/2	09-120-01	FNPT x NST Swivel "STANDPIPE" 90º	Polished Chrome	1	3

Fire Department Connections – Single Clapper Siamese

- 4 x 2-1/2 standard configuration
- Regional threads available
- Single clapper design
- Solid brass
- cULus Listed / FM Approved

Size 2-1/2 in Pin Lug Thread	Part Number				Finish	Packing	
	Straight Threaded	Straight Grooved	90º Threaded	90º Grooved		Inner	Master
NST	09-000-00	09-070-00	09-020-00	09-090-00	Rough Brass	1	6
BCT/NYCORP	09-002-00	09-070-01	09-052-00	09-090-01	Rough Brass	1	6
CIN (NEW)	09-000-10	09-070-10	09-020-10	09-090-10	Rough Brass	1	6
CIN (OLD)	09-000-11	09-070-11	09-020-11	09-090-11	Rough Brass	1	6
CLV	09-012-00	09-070-06	09-062-00	09-090-06	Rough Brass	1	6
DET	09-014-00	09-070-07	09-064-00	09-090-07	Rough Brass	1	6
QST	09-004-00	09-070-02	09-054-00	09-090-02	Rough Brass	1	6
Nova Scotia	09-000-14	09-070-14	09-020-14	09-090-14	Rough Brass	1	6
NYFD	09-000-09	09-070-09	09-020-09	09-090-09	Rough Brass	1	6
ONT	09-006-00	09-070-03	09-056-00	09-090-03	Rough Brass	1	6
PHX	09-008-00	09-070-04	09-058-00	09-090-04	Rough Brass	1	6
Raleigh	09-000-13	09-070-13	09-020-13	09-090-13	Rough Brass	1	6
TEM	09-010-00	09-070-05	09-060-00	09-090-05	Rough Brass	1	6
NST	09-000-01	-	09-020-01	-	Polished Chrome	1	6

Ckeck Snoots

- Solid brass, rough finish unless noted
- Available in polished brass or polished chrome
- cULus Listed

Pin Lug Threads	Part Number					Packing	
	2-1/2" PL x 3" MNPT	2-1/2" PL x 3" MNPT	2-1/2" PL x 3" FNPT	2-1/2" PL x 3" FNPT	2-1/2" PL x 3" MNPT	Inner	Master
NST	09-682-00	09-683-00**	09-680-00	09-681-00**	09-683-10*	-	1
BCT/NYCORP	09-682-01	-	09-680-01	-	-	-	1
CIN (NEW)	09-682-10	-	09-680-10	-	-	-	1
CIN (OLD)	09-682-11	-	09-680-11	-	-	-	1
CLV	09-682-06	-	09-680-06	-	-	-	1
DET	09-682-07	-	09-680-07	-	-	-	1
QST	09-682-02	-	09-680-02	-	-	-	1
Nova Scotia	09-682-14	-	09-680-14	-	-	-	1
NYFD	09-682-09	-	09-680-09	-	-	-	1
ONT	09-682-03	-	09-680-03	-	-	-	1
PHX	09-682-04	-	09-680-04	-	-	-	1
Raleigh	09-682-13	-	09-680-13	-	-	-	1
TEM	09-682-05	-	09-680-05	-	-	-	1

* Polished Chrome
** Polished Brass

Open Snoots

- Solid brass construction; rough brass finish
- Regional threads available

Hose Pin Lug x Male Thread

Pin Lug Threads	Part Number						
	1-1/2" PL x 1-1/2" MNPT	2-1/2" PL x 1-1/2" MNPT	2-1/2" PL x 2" MNPT	2-1/2" PL x 2-1/2" MNPT	2-1/2" PL x 3" MNPT	2-1/2" PL x 3" MNST	3" PL x 3" MNPT
NST	09-580-00	09-584-00	09-588-00	09-616-00	09-630-00	09-631-00	09-634-00
BCT/NYCORP	-	09-584-01	09-588-01	09-616-01	09-630-01	-	-
CIN (NEW)	-	09-584-10	09-588-10	09-616-10	09-630-10	-	-
CIN (OLD)	-	09-584-11	09-588-11	09-616-11	09-630-11	-	-
CLV	-	09-584-06	09-588-06	09-616-06	09-630-06	-	-
DET	-	09-584-07	09-588-07	09-616-07	09-630-07	-	-
QST	-	09-584-02	09-588-02	09-616-02	09-630-02	-	-
Nova Scotia	-	09-584-14	09-588-14	09-616-14	09-630-14	-	-
NYFD	-	09-584-09	09-588-09	09-616-09	09-630-09	-	-
ONT	-	09-584-03	09-588-03	09-616-03	09-630-03	-	-
PHX	-	09-584-04	09-588-04	09-616-04	09-630-04	-	-
Raleigh	-	09-584-13	09-588-13	09-616-13	09-630-13	-	-
TEM	-	09-584-05	09-588-05	09-616-05	09-630-05	-	-
Packing	4	2	2	3	1	1	1

Open Snoots

- Solid brass construction; rough brass finish*
- Regional threads available

Hose Pin Lug x Female Thread

Pin Lug Threads	Part Number						
	1-1/2" PL x 1-1/2" FNPT	2-1/2" PL x 1-1/2" FNPT	2-1/2" PL x 2" FNPT	2-1/2" PL x 2-1/2" FNPT	2-1/2" PL x 3" FNPT	3" PL x 3" MNST	2-1/2" PL x 2-1/2" FNPT
NST	09-582-00	09-586-00	09-590-00	09-600-00	09-632-00	09-636-00	09-600-01*
BCT/NYCORP	-	09-586-01	09-590-01	09-602-00	09-632-01	-	-
CIN (NEW)	-	09-586-10	09-590-10	09-600-10	09-632-10	-	-
CIN (OLD)	-	09-586-11	09-590-11	09-600-11	09-632-11	-	-
CLV	-	09-586-06	09-590-06	09-612-00	09-632-06	-	-
DET	-	09-586-07	09-590-07	09-614-00	09-632-07	-	-
QST	-	09-586-02	09-590-02	09-604-00	09-632-02	-	-
Nova Scotia	-	09-586-14	09-590-14	09-600-14	09-632-14	-	-
NYFD	-	09-586-09	09-590-09	09-600-09	09-632-09	-	-
ONT	-	09-586-03	09-590-03	09-606-00	09-632-03	-	-
PHX	-	09-586-04	09-590-04	09-608-00	09-632-04	-	-
Raleigh	-	09-586-13	09-590-13	09-600-13	09-632-13	-	-
TEM	-	09-586-05	09-590-05	09-610-00	09-632-05	-	-
Packing	4	2	2	3	1	1	3

* Polished Chrome

Fire Department Connections – Single Inlet for Residential Sprinkler System

c UL us LISTED

- Integral ID plate
- 1-1/2" NST plug and chain
- Solid brass snoot
- Forged aluminum, brass or plastic plug
- cULus Listed

Size in	Part Number	Ends Config. in	Packing	
			Inner	Master
1-1/2	09-502-00	NPT x NST w/ brass plug	-	4
1-1/2	09-502-01	NPT x NST w/ aluminum plug	-	4
1-1/2	09-502-02	NPT x NST w/ ABS plug	-	4

Open Snoot Assembly

- Open snoot, 2½" IPS brass wall plate (AUTO- SPKR)
- 2-1/2" plug with chain

Pin Lug Thread			Packing	
	2-1/2" PL x 2-1/2" FNPT	2-1/2" PL x 2-1/2" FNPT	Inner	Master
NST	09-650-00	09-650-10*	1	4
BCT/NYCORP	09-652-00	-	1	4
CLV	09-662-00	-	1	4
DET	09-664-00	-	1	4
QST	09-654-00	-	1	4
ONT	09-656-00	-	1	4
PHX	09-658-00	-	1	4
TEM	09-660-00	-	1	4

* Polished Chrome, Chrome snoot supplied with red wall plate
**Additional Regional Thread Kits available with Break Away Caps.

Replacement Pin Lugs

- For missing FPPI pin lugs only

Size in	Part Number	Packing	
		Inner	Master
2-1/2	09-425-00	1	4

*Regional Threads Available Upon Request

FDC Break Away Caps

Size in	Part Number			Finish	Packing pair
	Red	Green	Yellow		
2-1/2	09-505-00	09-505-01	09-505-02	Aluminum	25
2-1/2	09-506-00	-	-	Plastic	25
3	09-503-00	09-503-01	09-503-02	Aluminum	25

Storz Type Fire Department Connections

- Conforms with NFPA1963 requirements
- Powder coated
- Forged aluminum
- UL Listed

Fire Dept. Connections w/ Caps

Size w/ Ends in	Part Number	with	Packing	
			Inner	Master
4 Storz x 4 FNPT	09-205-00	Caps	1	2
5 Storz x 4 FNPT	09-207-00	Caps	1	2
4 Storz x 4 FNPT, 30°	09-215-00	Caps	1	1
5 Storz x 4 FNPT, 30°	09-217-00	Caps	1	1

Fire Dept. Connections w/ Caps & Sprinkler Wall Plates

Size w/ Ends in	Part Number	with	Packing
4 Storz x 4 FNPT	09-230-00	Cap & Wall Plate (UL)	1
5 Storz x 4 FNPT	09-234-00	Cap & Wall Plate (UL)	1
4 Storz x 4 FNPT, 30°	09-236-00	Cap & Wall Plate (UL)	1
5 Storz x 4 FNPT, 30°	09-238-00	Cap & Wall Plate (UL)	1
5 Storz x 4 FNPT, 30°	09-239-00 *	Cap, WP, Ball Drip & Valve	1

*Not UL Listed

Individual Storz Components

Size w/ Ends in	Part Number	Packing	
		Inner	Master
4” Storz x 4” FNPT	09-200-00*	1	4
5” Storz x 4” FNPT	09-202-00*	1	4
4” Storz x 4” FNPT w/30° Elbow	09-210-00*	1	1
5” Storz x 4” FNPT w/30° Elbow	09-212-00*	1	1
4” Storz Cap & Chain	09-220-00*	1	4
5” Storz Cap & Chain	09-222-00*	1	4

*Not UL Listed

FDC Wall Plates

- Aluminum, brass, polished chrome or plastic
- All signs have raised letters
- For IPS pipe

Size in	Part Number	Labels	Finish	Packing	
				Inner	Master
4	09-507-00	FDC x “Auto Spr”	Plastic	1	25
4	09-508-00	FDC x “Auto Spr”	Aluminum	1	12
4 x 8	09-509-00	FDC sign x “Fire Dept Conn”	Aluminum	1	100
4	09-510-00	FDC x “Auto Spr”	Rough Brass	1	5
4	09-510-10	FDC x “Auto Spr”	Polished Chrome	1	5
4	09-514-00	FDC x “Standpipe”	Aluminum	1	12
4	09-516-00	FDC x “Standpipe-Auto”	Aluminum	1	12
2-1/2	09-520-00	FDC x “Auto Spr”	Rough Brass	1	10
2-1/2	09-522-00	FDC x “Auto Spr”	Aluminum	1	20

Series 06
TrimFit® Butterfly Valve

- 300 psi working pressure
- Slow-close to prevent water hammer
- Internal tamper switch
- Horizontal or vertical installation
- cULus Listed / FM Approved

Size in	Part Number		Packing	
	Threaded	Grooved	Inner	Master
1	06-500-00*	-	-	1
1-1/4	06-502-00	06-522-00	-	1
1-1/2	06-504-00	06-524-00	-	1
2	06-506-00	06-526-00	-	1
2-1/2	06-508-00	06-528-00	-	1

*Not ULc

Series 06
Ball Valve, Forged Brass*

- Full port
- 600 psi working pressure
- cULus Listed / FM Approved

Size in	Part Number	Packing	
		Inner	Master
1/4	06-838-00	1	10
1/2	06-840-00	1	10
3/4	06-842-00	1	10
1	06-844-00	1	8
1-1/4	06-845-00	1	4
1-1/2	06-846-00	1	4
2**	06-848-00	1	2

*Contains lead. Not for use in potable water systems
**300 psi

Series 06
TrimFit® OS&Y Fire Main Gate Valve

- 175 psi working pressure
- Bronze body, rough brass finish*
- Cast iron hand wheel
- UL Listed / FM Approved

Size in	Part Number	Packing	
		Inner	Master
1	06-702-00	1	12
1-1/4	06-704-00	1	8
1-1/2	06-706-00	1	6
2	06-708-00	1	4

*Contains lead. Not for use in potable water systems

Series 06
Angle Globe Valve, Brass*

- 300 psi working pressure
- cULus Listed

Size in	Part Number	Packing	
		Inner	Master
1/2	06-820-00	1	8
3/4	06-822-00	1	5
1	06-824-00	1	5
1-1/4	06-826-00	1	4
1-1/2	06-828-00	1	4
2	06-830-00	1	2

*Contains lead. Not for use in potable water systems

Smith-Cooper Series 8155
Brass Ball Valve
Quality Drain Valve

- 600 lb. CWP, 150 lb. WSP
- Full port
- Forged brass body
- Chrome plated ball
- PTFE seats and seals
- Blow-out proof stem
- CSA approved (1/2 thru 2)
- ISO 9001:2008 manufacturer
- Not UL Listed / FM Approved

Size in	Part Number	Packing		Weight lb
	Threaded	Inner	Master	
1/4	01728155C	10	160	0.3
3/8	01728155E	10	160	0.3
1/2	01728155G	10	120	0.5
3/4	01728155I	10	60	0.7
1	01728155K	6	60	1.0
1-1/4	01728155L	4	24	1.7
1-1/2	01728155M	4	16	2.3
2	01728155N	2	16	3.5
2-1/2	01728155P	1	6	7.2
3	01728155Q	2	4	8.8
4	01728155T	1	2	16.5

FPPI

Series 06
Adjustable Pressure Relief Valve**

- Used in "grid" type and residential sprinkler systems
- Adjustable from 75 to 175 PSI*

Size in	Part Number	Packing	
		Inner	Master
1/2	06-835-00	1	10

(*System pressure gauge must be used for proper installation and adjustment. Valve is NOT preset.)
**Contains lead. Not for use in potable water systems

Series 06
Globe Valve, Soft Seat, Bronze*

- 300 psi working pressure
- cULus Listed

Size in	Part Number	Packing	
		Inner	Master
1/4	06-798-00	1	10
1/2	06-800-00	1	10
3/4	06-802-00	1	10
1	06-804-00	1	5
1-1/4	06-806-00	1	5
1-1/2	06-808-00	1	2
2	06-810-00	1	1

*Contains lead. Not for use in potable water systems

Series 06
Three-way Gauge Valve, Brass*

- 300 psi working pressure
- cULus Listed

Size in	Part Number	Packing	
		Inner	Master
1/4	06-600-00	1	10

*Contains lead. Not for use in potable water systems

Series 06
SureTest™ Inspector's Test & Drain Valve

- Full port or 1/2" restricting orifice
- Horizontal or vertical Installation
- cULus Listed / FM Approved

Size in	Part Number	Packing	
		Inner	Master
1	06-850-00	1	1
1-1/4	06-852-00	1	1

Series 06
Swing Check Valve Soft Seat, Bronze*

- Full floating disc

Size in	Part Number	Packing	
		Inner	Master
1/2	06-860-00	1	10
3/4	06-862-00	1	10
1	06-864-00	1	8
1-1/4	06-866-00	1	8
1-1/2	06-868-00	1	4
2	06-870-00	1	3

*Contains lead. Not for use in potable water systems

Series 9193
Brass Swing Check Valve Buna Soft Seat

- Full floating disc
- 200 lb. CWP
- Cast brass*

Size in	Part Number	Packing		Weight lb
		Inner	Master	
1/2	01739193G	20	120	0.4
3/4	01739193I	12	72	0.5
1	01739193K	10	60	0.7
1-1/4	01739193L	8	32	1.3
1-1/2	01739193M	5	20	1.6
2	01739193N	4	16	2.6

*Contains lead. Not for use in potable water systems

Series 06
Check Valve with Orifice for Pump Systems*

- 250 psi
- Full floating disc
- 3/32" orifice

Size in	Part Number	Packing	
		Inner	Master
1/2	06-860-50	1	10

*Contains lead. Not for use in potable water systems

Series CV30
Brass In-Line Check Valve

- Rated at 200 psi
- Cast brass
- EPDM seat and seal
- Spring loaded, stainless steel spring, opens at 2 psi

Size in	Part Number	Packing		Weight lb
	Threaded Ends	Inner	Master	
1/2	0209CV30G	10	150	0.4
3/4	0209CV30I	18	108	0.6
1	0209CV30K	10	60	0.9
1-1/4	0209CV30L	8	40	1.5
1-1/2	0209CV30M	5	30	1.5
2	0209CV30N	4	24	3.5

Ball Drips, Brass

- Two piece brass construction
- NPT threads

Size in	Part Number	Packing	
		Inner	Master
1/4 x 1/2	08-542-00	1	10
1/2	08-540-00	1	10
3/4	08-541-00	1	10

Extension Nipples, Brass

- This product is covered by additional disclaimers regarding suitability and use.
- Purchaser and user take full responsibility for the use of this product.
- SCI will not be held liable for product failure or damage caused by misuse. See installation instructions for details.

Size IPS x Takeout	Part Number	Packing	
		Inner	Master
1/2 x 1/2	08-570-00	1	100
1/2 x 3/4	08-571-00	1	35
1/2 x 1	08-572-00	1	35
1/2 x 1-1/2	08-573-00	1	25
1/2 x 2	08-574-00	1	20
3/4 x 1/2	08-575-00	1	25
3/4 x 3/4	08-576-00	1	25

Orifice Union

- Bronze

Size in x orifice	Part Number	Packing	
		Inner	Master
1 x 1/2	08-537-00	1	5
1/2 x 3/32	08-539-00	1	10

Sight Glass, Brass

- Brass construction
- Lexan view windows

Size in x orifice	Part Number	Packing	
		Inner	Master
1 M x F	08-529-00	1	3
1 x 1/2 F x F	08-530-00	1	5
1-1/4 M x F	08-531-00	1	4
1 x 17/32 F x F	08-532-00	1	5
1-1/2 F x F	08-533-00	1	1
2 F x F	08-535-00	1	1

Pressure Gauge Kits

- Each kit contains a pressure gauge*, ¼" 3-way valve*, ¼" x 4" galvanized pipe nipple, ½" x ¼" bushing and a ¼" IPS pipe plug

Part Number	Description	Packing	
		Inner	Master
11-565-00	Gauge Kit, Water	1	16
11-566-00	Gauge Kit, Air/Water	1	16
11-567-00	Gauge Kit, Air	1	16
11-568-00	Gauge Kit, Air w/Retard	1	16
11-569-00	Gauge Kit, Air/Water, Personalized	1	16

*UL-ULc Listed / FM Approved

c UL us LISTED FM APPROVED

FPPI Pressure Gauges and Accessories

- Phosphor bronze bourdon tube movement
- White enameled brass dial face
- Dual scale 0 to 300 PSI/2000Kpa
- UL/ULc Listed and FM Approved

Part Number	Description	Packing	
		Inner	Master
11-550-00	Water Gauge - 4"	1	60
11-551-00	Air Gauge - 4"	1	60
11-552-00	Air Gauge w/Retard - 4"	1	60
11-553-00	Air/Water Gauge - 4"	1	60
11-553-10	Air/Water Gauge - 4"	1	60
11-555-00*	Residential Spr. Gauge - 2"	1	240
11-558-00	Water Gauge - Personalized - 4"	1	60
11-559-00	Air/Water Gauge -Personalized - 4"	1	60
11-560-00 *	Liquid Filled Gauge - 4"	1	24
11-561-00	Air Gauge w/Retard -Personalized - 4"	1	60

*Not UL/ULc Listed / FM Approved

UL

Series 06 Expansion Tank

- Rubber bladder filled expansion chamber
- for use on antifreeze based fire sprinkler
- 2-1/2 gallon
- UL Listed

Size gallon	Part Number	Packing	
		Inner	Master
2-1/2	06-025-00	1	1

1-pc Heavy Gauge Steel

- 22 ga. chrome plated steel
- For ½" or ¾" sprinkler heads
- "Weep" hole for early leak detection

Part Number	Description in	Packing	
		Inner	Master
01-720-00	1-pc Canopy 1/4 - 1/2 IPS	1	100
01-722-00	1-pc Canopy 1/4 - 3/4 IPS	1	100
01-724-00	1-pc Canopy 1/2 - 1/2 IPS	1	100
01-726-00	1-pc Canopy 1/2 - 3/4 IPS	1	100
01-728-00	1-pc Canopy 3/4 - 1/2 IPS	1	100
01-730-00	1-pc Canopy 3/4 - 3/4 IPS	1	100

1-pc Light Gauge Steel

- In 5 /8" depth only
- Chrome plated steel

Part Number	Description in	Packing	
		Inner	Master
01-700-00	1-pc Lt. Gauge Canopy 1/2	1	50
01-705-00	1-pc Lt. Gauge Canopy 3/4	1	50

1-pc Plastic

- Injection molded plastic
- Chrome or white finish
- Good corrosion resistance

Part Number	Description in	Packing	
		Inner	Master
01-800-00	1-pc Plastic Canopy 1/2 - Chrome	1	10
01-805-00	1-pc Plastic Canopy 1/2 - White	1	10

Pendent Steel Cup for 2-pc Canopies

- Requires the use of a compatible steel skirt (01-500 series)
- Chrome plated or powder coated
- 1/2" or 3/4" IPS sprinklers with 3" adjustment depending on skirt

Part Number	Description	Packing	
		Inner	Master
01-600-00	Standard Cup CP - 1/2	1	100
01-602-00	Standard Cup WH - 1/2	1	100
01-604-00	Standard Cup OW - 1/2	1	100
01-606-00	Standard Cup BR - 1/2	1	100
01-620-00	Standard Cup CP - 3/4	1	100
01-622-00	Standard Cup WH - 3/4	1	100
01-624-00	Standard Cup OW - 3/4	1	100
01-626-00	Standard Cup BR - 3/4	1	100

Standard, Flush and Semi-flush Skirts

- For use with 01-600 series steel cups
- Skirt types: pendent, flush and semi-flush
- White and off-white are powder coated

Part Number	Description	Packing	
		Inner	Master
01-500-00	Standard Skirt - CP	1	100
01-502-00	Standard Skirt - WH	1	100
01-504-00	Standard Skirt - OW	1	100
01-506-00	Standard Skirt - BR	1	100
01-520-00	Flush Skirt - CP	1	20
01-522-00	Flush Skirt - WH	1	20
01-524-00	Flush Skirt - OW	1	200
01-526-00	Flush Skirt - BR	1	200
01-540-00	Semi-Flush Skirt - CP	1	20
01-542-00	Semi-Flush Skirt - WH	1	20
01-544-00	Semi-Flush Skirt - OW	1	200
01-546-00	Semi-Flush Skirt - BR	1	200

2-pc Pendent Steel Cup for Standard, Flush and Semi-flush Skirts

- Replacement cup for pendent style escutcheons
- Two halves snap together
- Eliminates need for sprinkler head removal
- For use with 01-500 series steel skirts

Part Number	Description in	Packing	
		Inner	Master
01-650-00	2-pc Cup Only 1/2 - Chrome	1	100
01-660-00	2-pc Cup Only 1/2 - White	1	100

2-pc Plastic Pendent Style

- 2-3" adjustment for 1/2" IPS sprinklers
- May be drilled to .99" for use with 3/4" IPS sprinklers
- Good corrosion resistance

Part Number	Description in	Packing	
		Inner	Master
01-850-00	2-pc Plastic Canopy 1/2 - Chrome	1	12
01-855-00	2-pc Plastic Canopy 1/2 - White	1	12

2-pc Recessed

- Available in 1/2" or 3/4" IPS
- 3/4" adjustment

Part Number	Description in	Packing	
		Inner	Master
01-400-00	2-pc Rec. Canopy CP - 1/2	1	200
01-402-00	2-pc Rec. Canopy WH - 1/2	1	200
01-406-00	2-pc Rec. Canopy BR - 1/2	1	200
01-408-00	2-pc Rec. Canopy BK - 1/2	1	200
01-412-00	2-pc Rec. Canopy CP - 3/4	1	200
01-414-00	2-pc Rec. Canopy WH - 3/4	1	200
01-418-00	2-pc Rec. Canopy BR - 3/4	1	200
01-420-00	2-pc Rec. Canopy BK - 3/4	1	200

2-pc Recessed, Short Skirt

- Available in 1/2" or 3/4" IPS
- 1/2" adjustment

Part Number	Description in	Packing	
		Inner	Master
01-450-00	2-pc Rec. Canopy CP - 1/2 Short	1	200
01-452-00	2-pc Rec. Canopy WH - 1/2 Short	1	200
01-456-00	2-pc Rec. Canopy BR - 1/2 Short	1	200
01-470-00	2-pc Rec. Canopy CP - 3/4 Short	1	200
01-472-00	2-pc Rec. Canopy WH - 3/4 Short	1	200

Threaded Recessed Sprinkler Escutcheon

- Available in white or chrome

Part Number	Description in	Packing	
		Inner	Master
01-481-00	2-pc Rec. Canopy 3/4 - Chome	1	200
01-481-10	2-pc Rec. Canopy 3/4 - White	1	200

3-pc Recessed Canopy with Split Retainer

- Retainer is two pieces
- Replace without removing sprinkler head

Part Number	Description in	Packing	
		Inner	Master
01-401-00	3-pc Rec. Canopy 1/2 - Chrome	1	200
01-403-00	3-pc Rec. Canopy 1/2 - White	1	200

Coverage Plate for Recessed Canopy

- When the hole in ceiling material is oversized to meet new requirement for earthquake standards
- 5" OD

Part Number	Description in	Packing	
		Inner	Master
01-491-00	Cover plate - Chrome	1	100
01-493-00	Cover plate - White	1	100

Wall Plate, Malleable Iron, GALVANIZED

- Malleable iron
- IPS Galvanized
- Complete with set screw
- For IPS Pipe

Part Number	Description in	Packing	
		Inner	Master
01-300-00	MI Wall Plate - 1	1	5
01-301-00	MI Wall Plate - 1-1/4	1	5
01-302-00	MI Wall Plate - 1-1/2	1	5
01-303-00	MI Wall Plate - 2	1	5
01-304-00	MI Wall Plate - 2-1/2	1	5
01-305-00	MI Wall Plate - 3	1	5
01-306-00	MI Wall Plate - 4	1	5

Wall Plate, Heavy Gauge Steel

- Chrome plated steel
- Hinged, with springs

Part Number	Description in	Packing	
		Inner	Master
01-200-00	Steel Wall Plate - 1/2	1	48
01-201-00	Steel Wall Plate - 3/4	1	48
01-202-00	Steel Wall Plate - 1	1	48
01-203-00	Steel Wall Plate - 1-1/4	1	80
01-204-00	Steel Wall Plate - 1-1/2	1	60
01-205-00	Steel Wall Plate - 2	1	60
01-206-00	Steel Wall Plate - 2-1/2	1	40
01-207-00	Steel Wall Plate - 3	1	12
01-208-00	Steel Wall Plate - 4	1	30
01-209-00	Steel Wall Plate - 5	1	20
01-210-00	Steel Wall Plate - 6	1	30
01-211-00	Steel Wall Plate - 8	1	24
01-212-00	Steel Wall Plate - 10	1	24

Wall Plate, Plastic

- One piece construction
- Split for easy installation

Size in	Part Number		Packing	
	Chrome	White	Inner	Master
1/2	01-220-00	01-232-00	1	12
3/4	01-221-00	01-233-00	1	12
1	01-222-00	01-234-00	1	12
1-1/4	01-223-00	01-235-00	1	12
1-1/2	01-224-00	01-236-00	1	12
2	01-225-00	01-237-00	1	12
2-1/2	01-226-00	01-238-00	1	12
3	01-227-00	01-239-00	1	12
4	01-228-00	01-240-00	1	12
5	01-229-00	01-241-00	1	6
6	01-230-00	01-242-00	1	6
8	01-231-00	01-243-00	1	6

Rod Buttons for 3/8-16 rod, Plastic

- Clean installation for all-thread rod

Part Number	Finish/Size in	Packing	
		Inner	Master
01-150-00	White	1	100
01-155-00	Polished Chrome	1	100

Kydex® Ring

- For use as a backing material behind sprinkler escutcheons
- 4" diameter covers
- Kydex® is a fire resistant material made by Cleardex

Part Number	Description	Packing	
		Inner	Master
01-100-00	Kydex® Ring	1	100

Water Shield

- Features one piece aluminum construction for 1/2" or 3/4" IPS sprinklers
- 4" OD x .030" thick

Size in	Part Number	Packing	
		Inner	Master
1/2 IPS	01-680-00	1	200
3/4 IPS	01-682-00	1	200

Sign Kits

- For alarm valve and dry valve installations
- Alarm Valve Sign Kit includes two Inspectors Test signs one each Auxiliary Drain, Main Drain, Alarm Test, and Control Valve sign
- Dry Valve Sign Kit contains one each of the Inspectors Test, Auxiliary Drain, Main Drain, Alarm Test and Control Valve sign

Part Number	Description in	Packing	
		Inner	Master
02-190-00	Alarm Valve Sign Kit	-	1
02-191-00	Dry Valve Sign Kit	-	1

Sprinkler Identification Signs, Decals

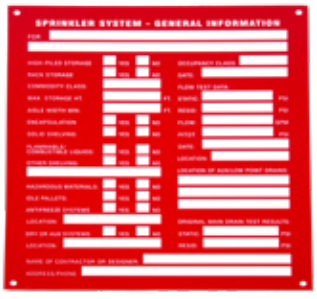
- "Fade resistant" red ink on white vinyl

Part Number	Description in	Packing	
		Inner	Master
02-027-00	Auxiliary Drain, Decal (100/roll) 6 x 2	-	1 roll
02-035-00	Control Valve Decal (100/roll) 6 x 2	-	1 roll
02-040-00	Do Not Hang Decal (100/roll) 2-1/4 round	-	1 roll
02-061-00	Fire Sprinkler Line Decal (100/roll) 6 x 2	-	1 roll
02-063-00	Fire Sprinkler Riser Room Decal 6 x 18	-	25
02-065-00	General Information Decal 9 x 7	-	10
02-075-00	Inspectors Test Decal (100/roll) 6 x 2	-	1 roll
02-079-00	Hydraulic System Foil Decal 5 x 7	-	10
02-080-00	Hydraulic System Decal 5 x 7	-	25
02-087-00	Main Drain Decal (100/roll) 6 x 2	-	1 roll
02-090-00	Multi-use System Warning Decal 5 x 7	-	25

Sprinkler Identification Signs

- Aluminum, painted white with "Fade resistant" red ink
- Mounting holes for easy installation
- Plastic coated
- Designed in accordance with NFPA requirements

Part Number	Description in	Packing	
		Inner	Master
02-002-00	Blank Sign w/border 6 x 2	-	10
02-006-00	Air Control 6 x 2	-	10
02-010-00	Air Line 6 x 2	-	10
02-014-00	Alarm Line 6 x 2	-	10
02-018-00	Alarm Test 6 x 2	-	10
02-022-00	Anti-Freeze System 6 x 2	-	10
02-023-00	Anti-Freeze System 5 x 7	-	10
02-024-00	Auto Sprinkler Shut-Off 12 x 10	-	10
02-026-00	Auxiliary Drain 6 x 2	-	10
02-034-00	Control Valve 6 x 2	-	10
02-036-00	Control Valve 4 x 6	-	10
02-037-00	Control Valve 5 x 7	-	10
02-038-00	Control Valve 9 x 7	-	10
02-042-00	Drain 6 x 2	-	10
02-046-00	Drain Valve 6 x 2	-	10
02-049-00	Drum Drip 6 x 2	-	10
02-050-00	Dry Standpipe 6 x 2	-	10
02-051-00	Fire Dept. Connection 6 x 2	-	10
02-052-00	FDC w/ Arrow Label 12 x 10	-	10
02-053-00	Excess Pressure Pump 6 x 2	-	10
02-054-00	Entire System 6 x 2	-	10
02-055-00	Fire Alarm Bell 9 x 7	-	10
02-056-00	Fire Alarm Bell Plastic 7 Round	-	10
02-057-00	911 Fire Alarm Bell Plastic 7 Round	-	10
02-058-00	F.S. Valve Do Not Close 6 x 2	-	10
02-060-00	Fire Sprinkler Riser Inside 6 x 2	-	10
02-062-00	From City Main 6 x 2	-	10
02-064-00	General Information 9 x 7	-	10
02-066-00	In This Building 6 x 2	-	10
02-070-00	In This Section 6 x 2	-	10
02-074-00	Inspectors Test 6 x 2	-	10
02-077-00	Hydraulic System 5 x 7	-	10
02-081-00	Hydraulic System 8-1/2 x 11	-	10
02-082-00	Main Control 6 x 2	-	10
02-083-00	Low Point 6 x 2	-	10
02-086-00	Main Drain 6 x 2	-	10
02-091-00	Multi-use System, Warning 5 x 7	-	10
02-092-00	Normally Closed 6 x 2	-	10
02-096-00	Normally Open 6 x 2	-	10
02-098-00	Open Sprinkler 6 x 2	-	10
02-100-00	Open Sprinkler Control 6 x 2	-	10
02-105-00	Open Valve 6 x 2	-	10
02-108-00	Sprinkler Control Valve 6 x 2	-	10
02-110-00	Sprinkler Drain Valve 6 x 2	-	10
02-111-00	Sprinkler Drain Room 6 x 2	-	10
02-112-00	Sprinkler Valve Room 6 x 2	-	10
02-114-00	Sprinklers Throughout Bldg. 12 x 10	-	10
02-116-00	Standpipe System 6 x 2	-	10
02-120-00	Test & Drain 6 x 2	-	10
02-124-00	Test Valve 6 x 2	-	10
02-128-00	Water Motorline 6 x 2	-	10
02-132-00	Wet Standpipe 6 x 2	-	10
02-133-00	Wet Standpipe Shutoff 6 x 2	-	10



Alarm Bells and Bell Accessories

- UL Listed

Part Number	Description in	Packing	
		Inner	Master
02-450-00	10" 120VAC	1	10
02-450-50	10" 24VDC	1	10
02-452-00	6" 120VAC	1	20
02-452-50	6" 24VDC	1	20
02-457-00	Bell Guard*	1	20

*Not UL Listed

Back Box for Fire Alarm Bell

- ABS thermoplastic
- Corrosion resistant

Part Number	Description	Packing	
		Inner	Master
02-454-00	Alarm Bell, Back Box	1	10

Break Shackle Locks

- Prevents tampering with control valves
- Locks are keyed alike

Part Number	Description	Packing	
		Inner	Master
02-410-00	Break Shackle Lock	-	25
02-411-00	Master Break Lock	-	12

Sign Chain

- Zinc plated for corrosion resistance

Part Number	Description/Size	Packing	
		Inner	Master
02-200-00	#16 Sign Chain, 100' Box	1	1
02-201-00	#16 Sign Chain, 250' Reel	1	1

Spare Sprinkler Head Cabinets

- Equipped with knockouts to accommodate 1/2" or 3/4" sprinkler heads
- ESFR head box will accommodate 3/4" or 1" IPS sprinklers
- Red enamel steel

Part Number	Description	Packing	
		Inner	Master
02-400-00	12 Head	1	20
02-401-00	6 Head	1	25
02-402-00	3 Head	1	40
02-403-00	ESFR - 6 Head	1	20
02-404-00	24 Head	1	10
02-405-00	36 Head	1	10

Sprinkler Head Guards

- Provides sprinkler head protection from occasional light contact
- Will not protect sprinkler heads from direct impact or abuse

Part Number	Description in	Packing	
		Inner	Master
02-600-00	Headguard 1-pc 2-hk Red	1	100
02-605-00	Headguard 1-pc 2-hk CP	1	100
02-610-00	Headguard Recessed 1pc, 2-hk, CP	1	10
02-612-00	Headguard Recessed 1pc, 2-hk, WH	1	10
02-615-00	Headguard w/shield 1-pc 2-hk Red	1	100
02-620-00	Headguard w/shield 1-pc 2-hk CP	1	100
02-630-00	2-pc Headguard Red 1/2 IPS	1	50
02-631-00	2-pc Headguard Red 3/4 IPS	1	25
02-635-00	2-pc Headguard CP 1/2 IPS	1	25
02-690-00	Base for 2-pc Red	1	25
02-691-00	Set Screw for Headguard	1	1

Drop-In Anchors, Setting Tools

- Zinc plated steel
- UL Listed to NFPA requirements
- Follow installation instructions for proper use

Part Number	Description in	Packing	
		Inner	Master
05-470-00	Drop-in Anchor 3/8	-	50
05-471-00	Drop-in Anchor 1/2	-	50
05-472-00	Drop-in Anchor 3/8, Mini	-	100
05-474-00	Setting Tool 1/2	-	1
05-475-00	Setting Tool 3/8	-	1
05-476-00	Setting Tool 3/8, Mini	-	1

Steel Lag Screws, Hex Head

- Zinc plated

Part Number	Description in	Packing	
		Inner	Master
05-400-00	Hex Lag Screw 1/4 x 2	-	100
05-405-00	Hex Lag Screw 3/8 x 2	-	50
05-406-00	Hex Lag Screw 3/8 x 2-1/2	-	50
05-407-00	Hex Lag Screw 3/8 x 3	-	50
05-409-00	Hex Lag Screw 1/2 x 2-1/2	-	25
05-410-00	Hex Lag Screw 1/2 x 3	-	25

Steel Machine Bolts, Hex Head

- Zinc plated

Part Number	Description in	Packing	
		Inner	Master
05-433-00	#2 Bolt, 3/8 x 2	-	50
05-435-00	#2 Bolt 1/2 x 2	-	25
05-437-00	#2 Bolt 5/8 x 3	-	200
05-444-00	#2 Bolt 3/4 x 3-1/2	-	100
05-446-00	#2 Bolt 7/8 x 3-3/4	-	70

Toggle Wings

- Zinc plated for corrosion resistance.

Part Number	Description in	Packing	
		Inner	Master
05-145-00	Toggle Wings 3/8	-	50

Steel Nuts, Hex

- Zinc plated

Part Number	Description in	Packing	
		Inner	Master
05-450-00	Hex Nut 3/8	-	100
05-451-00	Hex Nut 1/2	-	100
05-452-00	Hex Nut 5/8	-	50
05-453-00	Hex Nut 3/4	-	50
05-454-00	Hex Nut 7/8	-	25

Steel Rod Couplings, Hex

- Zinc plated
- ASTM A563 Grade A

Part Number	Description in	Packing	
		Inner	Master
05-135-00	Rod Coupling 3/8 x 11/8	-	100
05-136-00	Rod Coupling 3/8 x 1-3/4	-	50
05-137-00	Rod Coupling 1/2 x 1-3/4	-	50
05-138-00	Rod Coupling 5/8 x 2-1/8	-	25
05-139-00	Rod Coupling 3/4 x 2-1/4	-	20

Steel Washers

- Zinc plated

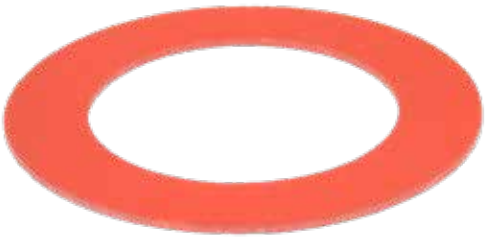
Part Number	Description in	Packing	
		Inner	Master
05-415-00	Flat Washer 3/8	-	100
05-416-00	Flat Washer 1/2	-	100
05-417-00	Flat Washer 5/8	-	50
05-418-00	Flat Washer 3/4	-	50
05-421-00	Fender Washer 3/8 x 2	-	100
05-422-00	Fender Washer 1/2 x 2	-	100

FlangeFit® Bolt and Gasket Kits

- 1/8" thick red rubber ring gasket
- Zinc plated nuts and bolts
- Bolts manufactured to ANSI/ASME B18.2.1 1981
- Nuts manufactured to ANSI/ASME B18.2.2 1986

Size in	Part Number	Bolt Size in - qty	Packing	
			Inner	Master
1-1/4	04-203-00	1/2 x 2 - (4)	1	12
1-1/2	04-204-00	1/2 x 2 - (4)	1	12
2	04-205-00	5/8 x 2-1/2 - (4)	1	12
2-1/2	04-206-00	5/8 x 2-3/4 - (4)	1	12
3	04-207-00	5/8 x 2-3/4 - (4)	1	12
4	04-208-00	5/8 x 3 - (8)	1	13
5	04-209-00	3/4 x 3-1/2 - (8)	1	10
6	04-210-00	3/4 x 3-1/2 - (8)	1	10
8	04-211-00	3/4 x 3-1/2 - (8)	1	10
10	04-212-00	7/8 x 3-3/4 - (12)	1	5
12	04-213-00	7/8 x 3-3/4 - (12)	1	5

Ring Gaskets, 1 ⁄8" Red Rubber



- 1/8" thick red rubber
- Suitable for Class 125/150 flanges

Size in	Part Number	Packing	
		Inner	Master
1-1/4	04-096-00	-	50
1-1/2	04-097-00	-	50
2	04-098-00	-	50
2-1/2	04-100-00	-	50
3	04-101-00	-	50
4	04-105-00	-	50
5	04-106-00	-	50
6	04-108-00	-	50
8	04-110-00	-	50
10	04-112-00	-	50
12	04-114-00	-	50
14	04-116-00	-	50

Wood Handle Brush

- Features 6" wood handle
- Natural fiber bristles

Part Number	Description	Packing	
		Inner	Master
03-190-00	Dope Brush 6"	-	36

PipeFit AS® Thread Sealant Paste with PTFE

- Cures to a vibration proof polymer shim
- DO NOT USE ON CPVC pipe threads

Part Number	Description	Packing	
		Inner	Master
03-305-00	PipeFit AS® Anaerobic 250 ml	-	4
03-310-00	PipeFit AS® Anaerobic 750 ml	-	6
03-313-00	PipeFit AS® Anaerobic 7 Liter	-	1

PipeFit® Thread Sealing Paste with PTFE

- Suitable for most threaded materials including CPVC

Part Number	Description	Packing	
		Inner	Master
03-133-00	PipeFit® 1-pt. BIC w/ brush	-	24
03-135-00	PipeFit® 1-qt.	-	12
03-136-00	PipeFit® 1-qt. BIC	-	12
03-139-00	PipeFit® 5-gal. Pail	-	1
03-140-00	PipeFit® 55-gal.	-	Drum

FBC SYSTEM COMPATIBLE
SPEARS COMPATIBLE

FBC System Compatible™ Program indicates this product has been tested and is monitored on an ongoing basis to assure chemical compatibility with FlowGuard Gold®, BlazeMaster®, and Corzan® pipe and fittings.

Blazemaster® Caulk & Walk® Fire Stop Sealant for CPVC

- For all types of pipe penetrations
- Intumescent, acrylic-based fire stop sealant for CPVC & Steel Pipe

Part Number	Description	Packing	
		Inner	Master
03-200-00	Blazemaster® Caulk & Walk® 10.5 oz. tube	-	30

FBC SYSTEM COMPATIBLE
SPEARS COMPATIBLE

LubeFit® Coupling Grease

- Designed for mechanical couplings

Part Number	Description	Packing	
		Inner	Master
03-150-00	LubeFit® 1-qt. Coupling Grease	-	12
03-152-00	LubeFit® 55-gal. Coupling Grease	-	Drum

FBC SYSTEM COMPATIBLE
SPEARS COMPATIBLE

FBC System Compatible™ Program indicates this product has been tested and is monitored on an ongoing basis to assure chemical compatibility with FlowGuard Gold®, BlazeMaster®, and Corzan® pipe and fittings.

PipeFit® Paint Markers

- Use on steel or plastic pipe
- "Pump" style tip
- Marks through grease and oil

Part Number	Description	Packing	
		Inner	Master
03-170-00	PipeFit® Paint Marker, Yellow	-	12
03-175-00	PipeFit® Paint Marker, White	-	12

FPPI® PTFE Pipe Thread Tape

- Made from PTFE
- Meets MIL Spec T27730A

Part Number	Description/Size	Packing	
		Inner	Master
03-120-00	FPPI® PTFE Tape1/2" x 520"	-	500
03-121-00	FPPI® PTFE Tape 3/4" x 520"	-	400
03-122-00	FPPI® PTFE Tape1" x 520"	-	300

FPPI® High Density PTFE Tape

- Meets MIL Spec AA58092
- Thickness is 0.09 mm with density of 1.2g/cu cm

Part Number	Description/Size	Packing	
		Inner	Master
03-123-00	FPPI® High Density Tape 1/2" x 520"	-	50
03-124-00	FPPI® High Density Tape 3/4" x 520"	-	40

ThreadFit® DARK – Cutting Oil

- Improved lubrication and cooling
- Contains 2% active sulphur
- See SDS for additional safety information

Part Number	Description	Packing	
		Inner	Master
03-160-00	Threadfit® Dark – Cutting Oil 1-gal.	-	6
03-162-00	Threadfit® Dark – Cutting Oil 5-gal.	-	1
03-164-00	Threadfit® Dark – Cutting Oil 55-gal.	-	Drum
03-166-00	Threadfit® Dark – Cutting Oil 275-gal.	-	Tote

FBC SYSTEM COMPATIBLE

SPEARS COMPATIBLE

ThreadFit® CLEAR – Cutting Oil

- Chlorine free
- FBC™ System Compatible
- Spears® Compatible

Part Number	Description	Packing	
		Inner	Master
03-160-10	Threadfit® Clear – Cutting Oil 1-gal.	-	6
03-162-10	Threadfit® Clear – Cutting Oil 5-gal.	-	1
03-164-10	Threadfit® Clear – Cutting Oil 55-gal.	-	Drum
03-166-10	Threadfit® Clear – Cutting Oil 275-gal.	-	Tote

WeldFit® APS Anaerobic Porosity Sealant

- Not for use on CPVC pipe or fittings

Part Number	Description	Packing	
		Inner	Master
03-350-00	WeldFit® APS 50ml	-	10
03-355-00	WeldFit® APS 1 Liter	-	6

Regional Thread Specifications

Abbreviation	Size	Locations Used & Alternate Thread Names	Outside Diameter (inches)	TPI
NH (NST)	1.5	National Standard	1.9900	9
NPSH	1.5	National Pipe Straight Hose	1.8788	11.5
NST (NH)	2.5	National Standard	3.0686	7.5
CF	2.5	Chicago Fire	2.9900	7.5
BCT/NYCORP	2.5	British Columbia, Toledo, N.Y. Corp., Yonkers, Newark	3.0000	8
NYFD	2.5	New York Fire Dept., Baton Rouge, Lincoln	3.0300	8
NYFD	3	New York Fire Dept.	3.630	8
QST	2.5	Quebec	3.0310	7
CIN (NEW)	2.5	Cincinnati - New Thread, Morgantown	3.0580	6
PHX	2.5	Phoenix, Pittsburgh	3.0620	6
TEM	2.5	Tempe	3.0750	6
CLV	2.5	Cleveland, Erie, Omaha, Lafayette	3.0780	8
CIN (OLD)	2.5	Cincinnati - Old Thread, Starksville	3.0930	6
ONT	2.5	Canadian Standards Assoc. (CSA), Ontario	3.1250	5
DET	2.5	Detroit	3.1250	7.5
NVS	2.5	Nova Scotia - Zone 1	3.2300	5
DAY	2.5	Dayton, OH	3.2340	6
RCH	2.5	Richmond, VA	3.3120	8
RAL	2.5	Raleigh, NC	3.3400	6
NH (NST)	3	National Standard	3.6300	6

Fabrication Piping Products

Lead Free Products

Brass Valves, Bronze Fittings, Brass Nipples & Pipe;
Galvanized Malleable Iron Fittings & Steel Pipe Nipples

Lead Free Products

Brass and Stainless Valves, Bronze Fittings, Brass Nipples & Pipe;
Galvanized Malleable Iron Fittings & Steel Pipe Nipples

All Smith-Cooper Lead Free Products are fully compliant with the 2014 Federal Safe Water Drinking Act (SWDA) - US Senate Bill S 3874 & California AB 1953

Lead Free Products

- Galvanized malleable iron fittings are certified to; NSF/ANSI 372, SWDA and California AB1953 Lead Free
- Galvanized steel nipples are certified to; NSF/ANSI 372, SWDA and California AB1953 Lead Free
- Red brass seamless nipples and pipe are certified to SWDA and California AB 1953 Lead Free
- Lead free valves are certified to; NSF/ANSI 372, SWDA and California AB1953 Lead Free
- Lead free bronze fittings are certified to; NSF/ANSI 372, SWDA and California AB1953 Lead Free

Lead Free Bronze Fitting Specifications

- Bronze fittings conform to AWWA C800
- Bronze castings conform to ASTM B584, UNS Alloy C89833
- Bronze fitting dimensions conform to ASME B16.15, Class125
- NPT threads on all fittings conform to ASME B1.20.1
- Bronze unions conform to specification A-A-59617
- Manufacturing facilities are ISO 9001:2008
- Thread protectors on all male threads
- Fittings have SCI trademark and are 100% air tested
- Certified to ANSI/NSF 372, SWDA and California AB 1953
- ProPak™ Packaging

LEAD FREE

Series 8170L & 8171L
Brass Ball Valve

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 372
- Full port
- Forged brass body
- Blow-out proof stem
- Chrome plated ball
- 600 lb. CWP, 150 lb. WSP up to 2"
- 400 lb. CWP, 150 lb. WSP 2 1/2" - 4"
- UL Listed (1/4" – 2") threaded
- F/M Approved, (1/2" – 2")
- CSA Approved under z21.15a for 1/2 psig (1/2" – 2") – threaded
- CSA Approved under 3-88 for 5 psig (1/2" – 2") – threaded
- Approved under ANSI/ASME B16.33 spec for Gas Piping to 125 psig (1/2" – 2")
- Meets Fed Spec WW-V-35, Type II, Class A, Style 3 (1/2" – 2")
- Conforms to MSS-SP110
- ISO 9001:2008 manufacturer

Size in	Part Number		Packing		Weight lb
	Threaded	Sweat	Inner	Master	
1/4	01728170CL	-	10	160	0.4
3/8	01728170EL	-	10	160	0.3
1/2	01728170GL	01728171GL	10	120	0.5
3/4	01728170IL	01728171IL	6	72	0.7
1	01728170KL	01728171KL	4	48	1.0
1-1/4	01728170LL	01728171LL	4	24	1.7
1-1/2	01728170ML	01728171ML	6	18	2.3
2	01728170NL	01728171NL	4	8	3.5
2-1/2	01728170PL	-	2	6	6.9
3	01728170QL	-	2	4	8.5
4	01728170TL	-	-	2	16.6

Series 8175L & 8176L
Brass Ball Valve with Drain

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 372
- 600 lb. CWP
- Full port
- Blow-out proof stem
- Forged brass body
- PTFE seats and seals
- Fed. Spec. WW-V-35, Type II, Class A Style 3
- Conforms to MSS SP-110
- ISO 9001:2008 manufacturer

Size in	Part Number		Packing		Weight lb
	Threaded	Sweat	Inner	Master	
1/2	01728175GL	01728176GL	10	100	0.5
3/4	01728175IL	01728176IL	8	48	0.9
1	01728175KL	01728176KL	5	30	1.4

Series 8155L & 8156L
Brass Ball Valve

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 61-8
- 600 lb. CWP, 150 lb. WSP up to 2"
- 400 lb. CWP, 150 lb. WSP 2 1/2" - 4"
- Full port
- Forged brass body
- Chrome plated ball
- PTFE seats and seals
- Blow-out proof stem
- CSA Approved (1/2" thru 2") - Threaded
- ISO 9001:2008 manufacturer

Size in	Part Number		Packing		Weight lb
	Threaded	Sweat	Inner	Master	
1/4	01728155CL	-	10	160	0.3
3/8	01728155EL	-	10	160	0.3
1/2	01728155GL	01728156GL	10	120	0.5
3/4	01728155IL	01728156IL	10	60	0.7
1	01728155KL	01728156KL	6	60	1.0
1-1/4	01728155LL	01728156LL	4	24	1.7
1-1/2	01728155ML	01728156ML	4	16	2.3
2	01728155NL	01728156NL	2	16	3.5
2-1/2	01728155PL	01728156PL	2	6	6.8
3	01728155QL	01728156QL	2	4	8.5
4	01728155TL	01728156TL	1	2	16.0

Series 8160L
Nickel Plated Brass Ball Valve

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 61-8
- 600 lb. CWP, 150 lb WSP
- Full port
- Forged brass body, nickel plated
- Chrome plated ball
- Blow-out proof stem
- CSA Approved (1/2" - 2")
- ISO 9001:2008 manufacturer

Size in	Part Number	Packing		Weight lb
	Threaded	Inner	Master	
1/8	01728160AL	10	160	0.3
1/4	01728160CL	10	160	0.3
3/8	01728160EL	10	160	0.3
1/2	01728160GL	10	120	0.5
3/4	01728160IL	10	60	0.7
1	01728160KL	6	60	1.0
1-1/4	01728160LL	4	24	1.7
1-1/2	01728160ML	4	16	2.3
2	01728160NL	2	16	3.5

Series 8135L
Brass Ball Valve

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 372
- 400 lb. CWP, 150 lb. WSP
- Standard port
- Forged brass body
- Chrome plated ball
- PTFE seats and seals
- Blow-out proof stem
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size in	Part Number Threaded	Packing Inner	Packing Master	Weight lb
1/4	01728135CL	12	120	0.3
3/8	01728135EL	12	120	0.3
1/2	01728135GL	12	120	0.4
3/4	01728135IL	8	96	0.5
1	01728135KL	8	48	0.9
1-1/4	01728135LL	8	32	1.1
1-1/2	01728135ML	4	24	1.7
2	01728135NL	2	16	2.4

Series 8145L & 8146L
Brass Ball Valve

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 372
- 600 lb. CWP, 150 lb. WSP
- Full port
- Forged brass body
- Chrome plated ball
- PTFE seats and seals
- Blow-out proof stem
- ISO 9001:2008 manufacturer

Size in	Part Number Threaded	Part Number Sweat	Packing Inner	Packing Master	Weight lb
1/4	01728145CL	-	12	120	0.4
3/8	01728145EL	-	12	120	0.4
1/2	01728145GL	01728146GL	8	96	0.4
3/4	01728145IL	01728146IL	6	72	0.6
1	01728145KL	01728146KL	6	36	0.9
1-1/4	01728145LL	01728146LL	6	24	1.3
1-1/2	01728145ML	01728146ML	2	16	2.0
2	01728145NL	01728146NL	2	12	3.0

Fig. QBBV - Valve

Size in	Part Number	Packing Inner	Packing Master	Weight lb
1/2	QBBV004	10	20	0.408
3/4	QBBV006	10	20	0.598
1	QBBV010	5	10	1.152

Series 8183L
Brass Ball Valve

- Certified to SWDA and California AB1953
- Forged brass body
- Pex ends
- Chrome plated ball
- PTFE seals
- ISO 9001:2008 manufacturer

Size in	Part Number Pex Ends	Packing Inner	Packing Master	Weight lb
1/2	01728183GL	12	72	0.3
3/4	01728183IL	12	72	0.4
1	01728183KL	6	36	0.7

Series 8184L
Brass Ball Valve

- Certified to SWDA and California AB1953
- 400 lb. CWP, 150 lb. WSP
- Standard port
- Compression Ends
- Forged brass body
- Chrome plated ball
- PTFE seals
- ISO 9001:2008 manufacturer

Size in	Part Number Compression Ends	Packing Inner	Packing Master	Weight lb
1/2	01728184GL	25	100	0.5
3/4	01728184IL	15	60	0.8
1	01728184KL	10	40	1.3

Series 9101L
Bronze Gate Valve

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 61-8
- 300 lb. CWP, 150 lb. WSP
- Full port (1/2 - 3)
- ASTM B-62 bronze
- Solid wedge disc
- Screwed in bonnet
- Non-rising stem
- Conforms to MSS SP-80
- Cast iron star handle
- ISO 9001:2008 manufacturer

Size in	Part Number Threaded	Packing Inner	Packing Master	Weight lb
1/2	01719101GL	12	72	0.6
3/4	01719101IL	3	18	1.0
1	01719101KL	5	40	1.3
1-1/4	01719101LL	3	18	1.9
1-1/2	01719101ML	6	24	2.3
2	01719101NL	4	16	3.5

LEAD FREE

Series 8501L & 8502L
Brass Gate Valve

- Certified to NSF/ANSI 372 Lead Free
- 200 lb. CWP
- Full port (1/4 - 3)
- Screwed in bonnet
- Non-rising brass stem
- Cast brass
- Metal to metal bonnet/body seating surfaces
- ISO 9001:2008 manufacturer

Size in	Part Number		Packing		Weight lb
	Threaded	Sweat	Inner	Master	
1/4	01718501CL	-	12	72	0.6
3/8	01718501EL	01718502EL	12	72	0.6
1/2	01718501GL	01718502GL	12	72	0.6
3/4	01718501IL	01718502IL	14	56	0.8
1	01718501KL	01718502KL	5	40	1.2
1-1/4	01718501LL	01718502LL	3	18	1.8
1-1/2	01718501ML	01718502ML	6	24	2.2
2	01718501NL	01718502NL	4	16	3.3
2-1/2	01718501PL	01718502PL	1	6	6.4
3	01718501QL	01718502QL	1	6	9.7
4	01718501TL	-	1	4	17.0

Series 8103L & 8104L
Brass Gate Valve with Drain

- Certified to NSF/ANSI 372 Lead Free
- 200 lb. CWP
- Full port
- Cast brass w/screwed in bonnet
- Solid wedge disc
- Non-rising stem
- Metal to metal bonnet/body seating surfaces
- ISO 9001:2008 manufacturer

Size in	Part Number		Packing		Weight lb
	Threaded	Sweat	Inner	Master	
1/2	01718103GL	01718104GL	12	72	0.72
3/4	01718103IL	01718104IL	14	56	1.18
1	01718103KL	01718104KL	8	32	1.26

Series 8130L
Brass Gate Valve with Compression Ends

- Certified to NSF/ANSI 372 Lead Free
- 200 lb. CWP
- Full port, Cast brass
- Screwed in bonnet
- Non-rising stem
- ISO 9001:2008 manufacturer

Size in	Part Number	Packing		Weight lb
	Compression Ends	Inner	Master	
1/2	01718130GL	10	60	0.8
3/4	01718130IL	10	40	1.0
1	01718130KL	8	32	1.4

Brass In-Line Check Valve

- Certified to NSF/ANSI 372 Lead Free
- Rated at 200 psi
- Cast brass
- EPDM seat and seal - CV30L
- Viton seat & seal - CV35L
- Spring loaded, stainless steel spring, opens at 2 psi

Size in	Part Number		Packing		Weight lb
	Threaded	Sweat	Inner	Master	
1/2	0209CV30GL	0209CV35GL	10	150	0.4
3/4	0209CV30IL	0209CV35IL	18	108	0.6
1	0209CV30KL	0209CV35KL	10	60	0.9
1-1/4	0209CV30LL	-	8	40	1.5
1-1/2	0209CV30ML	-	5	30	1.5
2	0209CV30NL	-	4	24	3.5

Series 9191L & 9192L
Brass Swing Check Valve

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 372 Lead Free
- 200 lb. CWP
- Cast brass
- Forged brass disc
- ISO 9001:2008 manufacturer

Size in	Part Number		Packing		Weight lb
	Threaded	Sweat	Inner	Master	
3/8	01739191EL	-	25	150	0.5
1/2	01739191GL	01739192GL	20	120	0.5
3/4	01739191IL	01739192IL	12	72	0.6
1	01739191KL	01739192KL	10	60	0.7
1-1/4	01739191LL	01739192LL	8	32	1.5
1-1/2	01739191ML	01739192ML	5	20	1.8
2	01739191NL	01739192NL	4	16	3
2-1/2	01739191PL	01739192PL	1	8	5.6
3	01739191QL	01739192QL	1	8	7.2
4	01739191TL	-	1	8	11.4

Series 7200L
Ground Key Stop & Drain

- Certified to SWDA and California AB1953
- Max 150 psi @ 100°F

Size in	Part Number	Packing		Weight lb
	Threaded	Inner	Master	
1/2	01767200GL	6	48	.9
3/4	01767200IL	6	48	1.0
1	01767200KL	4	32	2.0

Series 130L
Brass Straight Stop

- Certified to NSF/ANSI 372 Lead Free
- 125 lb. CWP
- Cast brass

Size in	Part Number	Packing		Weight lb
	Threaded	Inner	Master	
3/8	0190130EL	14	84	0.44

Series 132L & 142L
Brass Straight Stop with Stuffing Box

- Certified to NSF/ANSI 372
- 125 lb. CWP
- Cast brass
- CSA Approved
- ISO 9001:2008 manufacturer

Size in	Part Number		Packing		Weight lb
	Threaded	Sweat	Inner	Master	
1/2	0190132GL	0190142GL	14	84	0.5
3/4	0190132IL	0190142IL	14	84	0.6

Series 136L & 146L
Brass Straight Stop with Drain

- Certified to NSF/ANSI 372
- 125 lb. CWP
- Cast brass
- CSA Approved
- ISO 9001:2008 manufacturer

Size in	Part Number		Packing		Weight lb
	Threaded	Sweat	Inner	Master	
1/2	0190136GL	0190146GL	14	84	0.5
3/4	0190136IL	0190146IL	12	84	0.6

Brass Bent Nose Garden Valve, FIP inlet

- Certified to NSF/ANSI 372
- 125 lb. CWP
- Cast brass
- Oval handle

Size in	Part Number	Packing		Weight lb
	Threaded	Inner	Master	
3/4	0190170IL	12	72	0.7
1	0190170KL	12	72	0.7

Series 6122
CPVC Ball Valve

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 14
- Copper tube size
- 150 psi @ 180˚F
- PTFE seat
- EPDM o-ring
- Cream body w/red handle
- Produced using virgin CPVC resins

Size in	Part Number	Packing		Weight lb
	Slip	Inner	Master	
1/2	02936122G	1	100	0.2
3/4	02936122I	1	100	0.2
1	02936122K	1	100	0.4

Series 9521 & 9522
PVC Ball Valve

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 14
- Schedule 40/80 PVC
- 150 psi @ 73˚F
- Molded in place construction
- PTFE seat
- EPDM o-ring
- White w/blue handle
- Produced using virgin PVC resins

Size in	Part Number		Packing		Weight lb
	Threaded	Slip	Inner	Master	
1/2	02939521G	02939522G	1	80	0.2
3/4	02939521I	02939522I	1	45	0.3
1	02939521K	02939522K	1	25	0.6
1-1/4	02939521L	02939522L	1	20	0.7
1-1/2	02939521M	02939522M	1	14	1.0
2	02939521N	02939522N	1	8	1.5

Series 9541 & 9542
PVC Ball Valve

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 14
- Schedule 40/80 PVC
- 150 psi @ 73˚F
- Molded in place construction
- Gray w/blue handle

Size in	Part Number		Packing		Weight lb
	Threaded	Slip	Inner	Master	
1/2	02939541G	02939542G	10	100	0.2
3/4	02939541I	02939542I	5	60	0.3
1	02939541K	02939542K	5	40	0.4
1-1/4	02939541L	02939542L	5	30	0.6
1-1/2	02939541M	02939542M	4	24	0.9
2	02939541N	02939542N	2	16	1.4

LEAD FREE

Series SC101
316 Stainless Steel
One-Piece Ball Valve

- 1000# CWP , 150# WSP
- Reduced Port
- Body: ASTM A351 GR CF8M (SS316)
- Ball: ASTM A351 GR CF8M (SS316)
- Stem: ASTM A276 T-316
- RTFE Seats
- Blow-Out Proof Stem
- Vacuum Service to 29" Hg
- Locking Handle
- MSS SP-110
- ISO 9001:2008 Manufacturer
- Lead Free

Size in	Part Number	Packing		Weight lb
	Threaded	Inner	Master	
1/4	SC101C	30	120	0.14
3/8	SC101E	18	72	0.21
1/2	SC101G	12	48	0.39
3/4	SC101I	10	40	0.49
1	SC101K	8	32	0.82
1-1/4	SC101L	8	16	1.16
1-1/2	SC101M	6	12	1.64
2	SC101N	4	8	2.59

Series SC208 & SCL208 with Locking Handle
304 Stainless Steel
Two-Piece Ball Valve

- 800# CWP, 150# WSP
- Full Port
- Body: ASTM A351 GR CF8 (SS304)
- Ball: ASTM A351 GR CF8 (SS304)
- Stem: ASTM A276 T-304
- RTFE Seats
- Blow-Out Proof Stem
- Vacuum Service to 29" Hg
- Locking Handle (SCL208 only)
- MSS SP-110
- ISO 9001:2008 Manufacturer
- Lead Free

Size in	Part Number		Packing		Weight lb
	Threaded	w/ Locking Handle	Inner	Master	
1/4	SC208C	SCL208C	12	48	0.36
3/8	SC208E	SCL208E	12	48	0.35
1/2	SC208G	SCL208G	8	32	0.52
3/4	SC208I	SCL208I	12	24	0.95
1	SC208K	SCL208K	8	16	1.21
1-1/4	SC208L	SCL208L	6	12	1.95
1-1/2	SC208M	SCL208M	4	8	2.74
2	SC208N	SCL208N	2	4	4.44

Series SC201
316 Stainless Steel
Two-Piece Ball Valve

- 1000# CWP, 150# WSP
- Full Port
- Body: ASTM A351 GR CF8M (SS316)
- Ball: ASTM A351 GR CF8M (SS316)
- Stem: ASTM A276 T-316
- RTFE Seats
- Blow-Out Proof Stem
- Vacuum Service to 29" Hg
- Locking Handle
- ISO 9001:2008 Manufacturer
- MSS SP-110
- Lead Free

Size in	Part Number	Packing		Weight lb
	Threaded	Inner	Master	
1/4	SC201C	10	40	0.46
3/8	SC201E	10	40	0.46
1/2	SC201G	8	32	0.60
3/4	SC201I	12	24	0.87
1	SC201K	8	16	1.45
1-1/4	SC201L	6	12	2.13
1-1/2	SC201M	2	4	3.30
2	SC201N	2	4	5.70
2-1/2	SC201P	-	2	11.59
3	SC201Q	-	2	17.10

Series SC301
316 Stainless Steel
Three-Piece Ball Valve

- 1000# CWP, 150# WSP
- Full Port
- Body: ASTM A351 GR CF8M (SS316)
- End Caps: ASTM A351 GR CF8M (SS316)
- Ball: ASTM A351 GR CF8M (SS316)
- Stem: ASTM A 276 T-316
- RTFE Seats
- Blow-Out Proof Stem
- MSS SP-110
- Vacuum Service to 29" Hg
- Locking Handle
- ISO 9001:2008 Manufacturer
- Repair Kits, Lever Handles and Oval Handles Available
- Threaded and Socketweld Available
- Lead Free

Size in	Part Number		Packing		Weight lb
	Threaded	Socket Weld	Inner	Master	
1/4	SC301THC	-	6	24	0.67
3/8	SC301THE	-	6	24	0.68
1/2	SC301THG	SC301SWG	8	16	1.01
3/4	SC301THI	SC301SWI	8	16	1.33
1	SC301THK	SC301SWK	6	12	1.96
1-1/4	SC301THL	SC301SWL	4	8	2.96
1-1/2	SC301THM	SC301SWM	-	4	4.55
2	SC301THN	SC301SWN	-	3	7.13
2-1/2	SC301THP	-	-	2	15.87
3	SC301THQ	-	-	2	23.53
4	SC301THT	-	-	2	46.19

Series SC402
316 Stainless Steel Gate Valve

- 200# CWP, 125# WSP
- 316 Stainless Steel
- Solid Wedge Disc
- Screwed in Bonnet
- Non-Rising Stem
- ISO 9001:2008 Manufacturer
- Lead Free

Size in	Part Number Threaded	Packing Master	Weight lb
1/2	SC402G	30	0.9
3/4	SC402I	25	1.2
1	SC402K	20	1.5
1-1/4	SC402L	15	2.2
1-1/2	SC402M	10	3.4
2	SC402N	5	4.5

316 Stainless Steel Globe Valve

- 200# CWP, 125# WSP
- 316 Stainless Steel
- Metal-to-Metal Seat
- Screwed in Bonnet
- Rising Stem
- ISO 9001:2008 Manufacturer
- Lead Free

Size in	Part Number Threaded	Packing Master	Weight lb
1/2	SC502G	40	0.7
3/4	SC502I	25	1.0
1	SC502K	20	1.4
1-1/4	SC502L	15	1.5
1-1/2	SC502M	10	2.8
2	SC502N	6	4.7

Each valve is individually tagged with CWP and WSP pressure ratings, alloy of body, ball and stem, series number and notice of LEAD FREE.

Series SC602
316 Stainless Steel Check Valve

- 200# CWP, 125# WSP
- 316 Stainless Steel
- Metal-to-Metal Seat
- Screwed Cap
- ISO 9001:2008 Manufacturer
- Lead Free

Size in	Part Number Threaded	Packing Master	Weight lb
1/2	SC602G	25	0.7
3/4	SC602I	16	1.0
1	SC602K	12	1.5
1-1/4	SC602L	9	2.2
1-1/2	SC602M	10	3.3
2	SC602N	8	4.7
2-1/2	SC602P	2	10.0
3	SC602Q	2	16.7

Series SCYS8
316 Stainless Steel Threaded Wye Strainer

- 800# CWP, 150# WSP
- 20 Mesh 316 Stainless Steel Screen
- Start-up screen included
- Blow-Down Plug
- Lead Free

Size in	Part Number Threaded	Weight lb
1/2	SCYS8004	0.5
3/4	SCYS8006	0.8
1	SCYS8010	1.6
1-1/4	SCYS8012	2.0
1-1/2	SCYS8014	2.7
2	SCYS8020	4.3

Series 0384
PTFE Tape with Nickel

- Use on Stainless Steel Threads
- 90% PTFE / 10% Nickel
- Melting Point 620˚F (327˚C)
- Thickness .0045 (±.0005)
- ISO 9001:2008 Manufacturer
- ASTM Mill Spec T-27730A

Size in	Part Number	Length in	Packing Inner	Packing Master	Weight lb
1/2	0384260G	260	100	600	0.02
3/4	0384260I	260	50	300	0.04

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Series 103L
Brass Boiler Drain with Stuffing Box

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 61-8
- 125 lb. CWP
- Full flow
- Cast brass
- CSA Approved
- ISO 9001:2008 manufacturer

Size in	Part Number	Packing		Weight lb
	Male	Inner	Master	
1/2	0190103GL	12	72	0.5
3/4	0190103IL	12	72	0.5

Series 112L
Brass Flanged Sillcock with Stuffing Box

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 61-8
- 125 lb. CWP
- Cast brass
- ISO 9001:2008 Manfuacturer

Size in	Part Number	Packing		Weight lb
	Female	Inner	Master	
1/2	0190112GL	10	60	0.6
3/4	0190112IL	8	48	0.6

Series 167L
Vacuum Breaker

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 61-8
- ASSE/UPC Approved and marked
- Flat sealing washer
- Break away locking screw

Size in	Part Number	Packing		Weight lb
	Female/Male	Inner	Master	
3/4	0190167IIL	20	200	0.2

Series 160L
Brass Hose Bibb, MIP Inlet

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 61-8
- 125 lb. CWP
- Cast brass

Size in	Part Number	Packing		Weight lb
	Male	Inner	Master	
1/2	0190160GL	15	90	0.4
3/4	0190160IL	15	90	0.4

Series 166L
Brass No Kink Hose Bibb, MIP Inlet

- Certified to SWDA and California AB1953
- 125 lb. CWP
- Cast brass
- Heavy duty construction
- Green Tee handle
- Certified to NSF/ANSI 61-8
- ISO 9001:2008 manufacturer

Size in	Part Number	Packing		Weight lb
	Male	Inner	Master	
1/2	0190166GL	10	60	0.6
3/4	0190166IL	10	60	0.6

Series 167L
Brass No Kink Hose Bibb, Compression Inlet

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 61-8
- 125 lb. CWP
- Cast brass
- Heavy duty construction
- Green tee handle
- ISO 9001:2008 manufacturer

Size in	Part Number	Packing		Weight lb
	Compression	Inner	Master	
1/2	0190167GL	15	90	0.5

Series 168L
Brass No Kink Hose Bibb, FIP Inlet

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 61-8
- 125 lb. CWP
- Cast brass
- Heavy duty construction
- Green tee handle
- ISO 9001:2008 manufacturer

Size in	Part Number	Packing		Weight lb
	Female	Inner	Master	
1/2	0190168GL	15	90	0.4
3/4	0190168IL	15	90	0.5

Series 169L
Brass No Kink Hose Bibb, MIP Inlet

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 61-8
- 125 lb. CWP
- Cast brass
- Heavy duty construction
- Green tee handle
- ISO 9001:2008 manufacturer

Size in	Part Number	Packing		Weight lb
	Male	Inner	Master	
1/2	0190169GL	15	90	0.5
3/4	0190169IL	15	90	0.5

Series 169IGL
Brass No Kink Hose Bibb, Sweat Inlet

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 61-8
- 125 lb. CWP
- Cast brass
- Heavy duty construction
- Green tee handle
- ISO 9001:2008 manufacturer

Size in	Part Number	Packing		Weight lb
	Male / Fem SWT	Inner	Master	
3/4 x 1/2	0190169IGL	15	90	0.5

Series 120L & 125L
Washing Machine Valves

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 61-8
- 125 lb. CWP
- Cast brass
- Satin nickel finish

Size in	Part Number	Ends Config.	Packing		Weight lb
			Inner	Master	
1/2	0190120GL	FIP x MHT	12	120	0.3
5/8 OD	0190125GL	Comp x MHT	12	120	0.4

Series 161 & 162
Transition Adapter

- Brass to CPVC
- Certified to NSF/ANSI 61.9

Size in	Part Number		Packing		Weight lb
	MIP x Slip	FIP x Slip	Inner	Master	
1/2	0945161G	0945162G	50	300	0.2
3/4	0945161I	0945162I	50	300	0.2

Series 209MXL
Male Iron Pipe x Brass Sweat Dielectric Union

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 372
- Forged steel construction
- Zinc plated
- Self-centering washer
- Temperatures up to 212°F (100°C)

Size in	Part Number	Ends Config.	Packing		Weight lb
			Inner	Master	
1/2	0209MXGL	MIP x SWT	12	144	0.5
3/4	0209MXIL	MIP x SWT	12	144	0.6
1	0209MXKL	MIP x SWT	12	144	1.0

Series 209FXL
Female IPS x Brass Sweat Dielectric Union

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 372
- Forged steel construction
- Zinc plated
- Self-centering washer
- Temperatures up to 212°F (100°C)

Size in	Part Number	Ends Config.	Packing		Weight lb
			Inner	Master	
1/2	0209FXGL	FIP x SWT	12	144	0.3
3/4	0209FXIL	FIP x SWT	12	144	0.4
3/4 x 1/2	0209FXIGL	FIP x SWT	12	144	0.4
1	0209FXKL	FIP x SWT	12	120	0.6
1-1/4	0209FXLL	FIP x SWT	6	48	0.9
1-1/2	0209FXML	FIP x SWT	6	48	1.4
2	0209FXNL	FIP x SWT	6	24	2.7
2-1/2	0209FXPL	FIP x SWT	-	5	13.2
3	0209FXQL	FIP x SWT	-	5	15.6
4	0209FXTL	FIP x SWT	-	2	29.7

Series 209FFL
Female IPS x Female IPS Dielectric Union

- Certified to SWDA and California AB1953
- Certified to NSF/ANSI 372
- Forged steel construction
- Zinc plated
- Self-centering washer
- Temperatures up to 212°F (100°C)

Size in	Part Number	Ends Config.	Packing		Weight lb
			Inner	Master	
1/2	0209FFGL	FIP x FIP	10	100	0.5
3/4	0209FFIL	FIP x FIP	10	100	0.7
1	0209FFKL	FIP x FIP	5	50	1.1

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QUICKBITE™ BY SMITH-COOPER® INTERNATIONAL

No special tools required. No gluing, crimping or soldering required.

LEAD FREE

QUICKBITE™ valves and fittings are the simplest connectors to use.

1 - Clean the tube
2 - Press on the QUICKBITE™ fitting or valve
3 - DONE! No leak seal

QUICKBITE™ Quick Facts:

- Fittings certified to 200 PSI and 180° F
- Works with PEX, CPVC and copper tubing
- PEX stiffener pre-installed - Easy to remove for PVC or Copper installations
- Lead-free brass
- Full flow
- Fittings & valves are removable and reusable
- Easy-to-follow instructions are available at www.smithcooper.com/QR1 or by scanning the QR code on the back of every bag

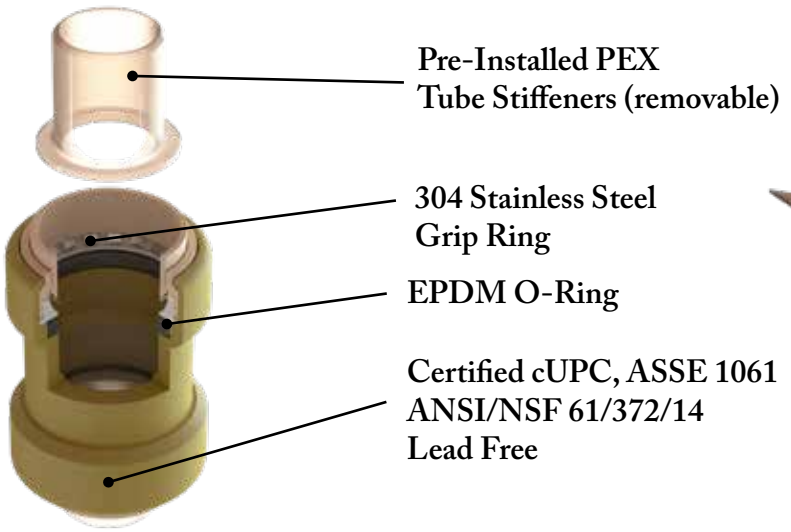

Fig. QBBV - Valve

Size in	Part Number	Packing		Weight lb
		Inner	Master	
1/2	QBBV004	10	20	0.408
3/4	QBBV006	10	20	0.598
1	QBBV010	5	10	1.152

Fig. QBE - Elbow

Size in	Part Number	Packing		Weight lb
		Inner	Master	
3/8	QBE003	10	40	0.131
1/2	QBE004	10	40	0.149
3/4	QBE006	10	20	0.272
1	QBE010	5	20	0.471
* 1-1/4	QBE012	-	Bulk	-
* 1-1/2	QBE014	-	Bulk	-
* 2	QBE020	-	Bulk	-

Size in	Part Number	Packing		Weight lb
		Inner	Master	
3/4 x 1/2	QBRE006004	10	40	0.210
1 x 3/4	QBRE010006	10	20	0.371

Fig. QBFE - Female Adapter Elbow (Push x FNPT)

Size in	Part Number	Packing		Weight lb
		Inner	Master	
1/2 x 1/2	QBFE004	10	40	0.178
3/4 x 3/4	QBFE006	10	20	0.290
1 x 1	QBFE010	5	20	0.425

Fig. QBME - Male Adapter Elbow (Push x MNPT)

Size in	Part Number	Packing		Weight lb
		Inner	Master	
1/2 x 1/2	QBME004	10	40	0.180
3/4 x 3/4	QBME006	10	20	0.290
1 x 1	QBME010	5	20	0.477

Fig. QBDE - Drop Ear Elbow (Push x FNPT)

Size in	Part Number	Packing		Weight lb
		Inner	Master	
1/2 x 1/2	QBDE004	10	40	0.218
3/4 x 3/4	QBDE006	10	20	0.359

* Available upon request

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Fig. QBT - Tee

Size in	Part Number	Packing		Weight lb
		Inner	Master	
3/8	QBT003	10	40	0.163
1/2	QBT004	10	40	0.199
3/4	QBT006	10	20	0.355
1	QBT010	5	10	0.621
* 1-1/4	QBT012	-	Bulk	-
* 1-1/2	QBT014	-	Bulk	-
* 2	QBT020	-	Bulk	-

Fig. QBRT - Reducing Tee

Size in	Part Number	Packing		Weight lb
		Inner	Master	
* 1/2 x 1/2 x 3/4	QBRT004004006	-	Bulk	-
* 1/2 x 1/2 x 1	QBRT004004010	-	Bulk	-
3/4 x 1/2 x 1/2	QBRT006004004	10	20	0.257
3/4 x 1/2 x 3/4	QBRT006004006	10	20	0.332
3/4 x 3/4 x 1/2	QBRT006004	10	20	0.322
3/4 x 3/4 x 1	QBRT006006010	5	20	-
1 x 1 x 3/4	QBRT010006	5	10	0.520

Fig. QBCP - Coupling

Size in	Part Number	Packing		Weight lb
		Inner	Master	
3/8	QBCP003	10	40	0.104
1/2	QBCP004	10	40	0.122
3/4	QBCP006	10	40	0.192
1	QBCP010	5	20	0.310
* 1-1/4	QBCP012	-	Bulk	-
* 1-1/2	QBCP014	-	Bulk	-
* 2	QBCP020	-	Bulk	-

Fig. QBRC - Reducing Coupling

Size in	Part Number	Packing		Weight lb
		Inner	Master	
3/8 X 1/2	QBRC003004	10	40	0.136
3/4 x 1/2	QBRC006004	10	40	0.167
1 x 3/4	QBRC010006	10	20	0.259

Fig. QBSC - Slip Coupling

Size in	Part Number	Packing		Weight lb
		Inner	Master	
1/2	QBSC004	10	40	0.230
3/4	QBSC006	10	20	0.364
1	QBSC010	5	20	0.521

* Available upon request

Fig. QBMA - Male Adapter (Push x MNPT)

Size in	Part Number	Packing		Weight lb
		Inner	Master	
3/8 X 3/8	QBMA003	10	40	0.087
1/2 x 1/2	QBMA004	10	40	0.114
1/2 x 3/4	QBMA004006	10	40	0.163
* 3/4 x 1/2	QBMA006004	-	Bulk	-
3/4 x 3/4	QBMA006	10	40	0.182
3/4 x 1	QBMA006010	5	20	0.245
1 x 3/4	QBMA010006	5	20	0.245
1 x 1	QBMA010	5	20	0.256
* 1-1/4 x 1-1/4	QBMA012	-	Bulk	-
* 1-1/2 x 1-1/2	QBMA014	-	Bulk	-
* 2 x 2	QBMA020	-	Bulk	-

Fig. QBFA - Female Adapter (Push x FNPT)

Size in	Part Number	Packing		Weight lb
		Inner	Master	
1/2 x 1/2	QBFA004	10	40	0.115
1/2 x 3/4	QBFA004006	10	40	0.166
* 3/4 x 1/2	QBFA006004	-	Bulk	-
3/4 x 3/4	QBFA006	10	40	0.198
3/4 x 1	QBFA006010	5	20	0.238
* 1 x 3/4	QBFA010006	-	Bulk	-
1 x 1	QBFA010	5	20	0.276
* 1-1/4 x 1-1/4	QBFA012	-	Bulk	-
* 1-1/2 x 1-1/2	QBFA014	-	Bulk	-
* 2 x 2	QBFA020	-	Bulk	-

Fig. QBC - Cap

Size in	Part Number	Packing		Weight lb
		Inner	Master	
3/8	QBC003	10	40	0.041
1/2	QBC004	10	40	0.069
3/4	QBC006	10	40	0.122
1	QBC010	5	20	0.199
* 1-1/4	QBC012	-	Bulk	-
* 1-1/2	QBC014	-	Bulk	-
* 2	QBC020	-	Bulk	-

Fig. QBDT - Disconnect Tool

Size in	Part Number	Packing		Weight lb
		Inner	Master	
** 3/8	QBDT003	10	40	0.040
** 1/2	QBDT004	10	40	0.070
** 3/4	QBDT006	10	20	0.170
** 1	QBDT010	5	10	0.240

Fig. QBS - Stiffener

Size in	Part Number	Packing		Weight lb
		Inner	Master	
** 1/2	QBS004	10	40	0.050
** 3/4	QBS006	10	20	0.080
** 1	QBS010	5	20	0.050

* Available upon request ** One unit = a pack of 10

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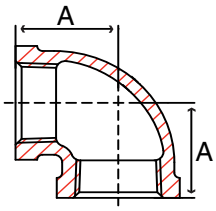
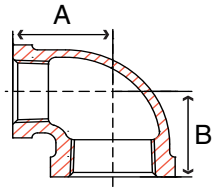
Fig. 36E 1L – 90° Elbow



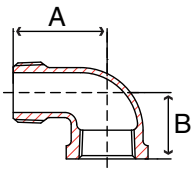
Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/8	36E 1001L	0.54	50	800	0.1
1/4	36E 1002L	0.71	35	560	0.1
3/8	36E 1003L	0.82	45	360	0.1
1/2	36E 1004L	1.01	50	200	0.2
3/4	36E 1006L	1.18	35	140	0.3
1	36E 1010L	1.43	20	80	0.6
1-1/4	36E 1012L	1.69	20	40	0.9
1-1/2	36E 1014L	1.84	15	30	1.2
2	36E 1020L	2.12	8	16	2.0
2-1/2	36E 1024L	2.70	6	12	3.8
3	36E 1030L	3.08	-	7	4.7
4	36E 1040L	3.79	-	3	9.7

Fig. 36RE1L – 90° Reducing Elbow



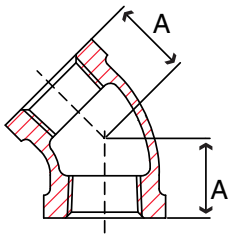
Size in	Part Number	A in	B in	Packing		Weight lb
				Inner	Master	
1/2 x 1/4	36RE1004002L	0.98	0.97	50	400	0.2
1/2 x 3/8	36RE1004003L	0.93	0.90	50	200	0.2
3/4 x 1/2	36RE1006004L	1.11	1.08	50	200	0.4
1 x 1/2	36RE1010004L	1.24	1.20	25	100	0.5
1 x 3/4	36RE1010006L	1.31	1.30	30	120	0.5
1-1/4 x 3/4	36RE1012006L	1.48	1.39	15	60	0.7
1-1/4 x 1	36RE1012010L	1.60	1.52	10	40	0.7
1-1/2 x 1	36RE1014010L	1.72	1.55	10	40	1.0
1-1/2 x 1-1/4	36RE1014012L	1.81	1.72	8	32	1.0
2 x 1	36RE1020010L	2.02	1.73	14	28	1.4
2 x 1-1/4	36RE1020012L	2.10	1.90	10	20	1.5
2 x 1-1/2	36RE1020014L	2.07	1.89	10	20	1.6
2-1/2 x 2	36RE1024020L	2.60	2.39	8	16	3.1
3 x 2-1/2	36RE1030024L	2.99	2.83	-	8	4.0

Fig. 36SE1L – 90° Street Elbow



Size in	Part Number	A in	B in	Packing		Weight lb
				Inner	Master	
1/8	36SE1001L	0.92	0.54	60	960	0.1
1/4	36SE1002L	1.11	0.71	35	560	0.1
3/8	36SE1003L	1.24	0.82	40	320	0.1
1/2	36SE1004L	1.48	1.01	75	300	0.2
3/4	36SE1006L	1.65	1.18	40	160	0.3
1	36SE1010L	1.98	1.43	40	80	0.5
1-1/4	36SE1012L	2.24	1.69	25	50	0.8
1-1/2	36SE1014L	2.46	1.84	9	36	1.1
2	36SE1020L	2.88	2.12	10	20	2.0
2-1/2	36SE1024L	3.86	2.70	-	10	4.0
3	36SE1030L	4.51	3.08	-	7	4.7
4	36SE1040L	5.69	3.79	-	3	11.4

Fig. 36F 1L – 45° Elbow



Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/8	36F 1001L	0.42	50	800	0.1
1/4	36F 1002L	0.56	30	480	0.1
3/8	36F 1003L	0.63	50	400	0.1
1/2	36F 1004L	0.78	50	200	0.2
3/4	36F 1006L	0.89	40	160	0.3
1	36F 1010L	1.06	20	80	0.5
1-1/4	36F 1012L	1.22	20	40	0.7
1-1/2	36F 1014L	1.30	8	32	1.0
2	36F 1020L	1.45	12	24	1.7
2-1/2	36F 1024L	1.95	-	15	3.2
3	36F 1030L	2.17	-	10	4.7
4	36F 1040L	2.61	-	3	8.1

Fig. 36SF1L – 45° Street Elbow

Size in	Part Number	A in	B in	Packing		Weight lb
				Inner	Master	
1/8	36SF1001L	0.42	0.78	70	1120	0.05
1/4	36SF1002L	0.56	0.88	40	640	0.1
3/8	36SF1003L	0.63	0.92	50	600	0.1
1/2	36SF1004L	0.78	1.06	75	300	0.2
3/4	36SF1006L	0.89	1.23	40	160	0.3
1	36SF1010L	1.06	1.40	25	100	0.5
1-1/4	36SF1012L	1.22	1.64	10	40	0.7
1-1/2	36SF1014L	1.30	1.80	10	40	1.0
2	36SF1020L	1.45	2.14	12	24	1.5
2-1/2	36SF1024L	1.95	2.57	5	10	3.0

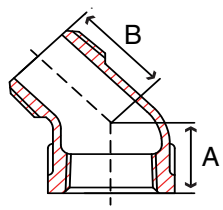


Fig. 36T 1L – Tee

Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/8	36T 1001L	0.54	80	640	0.1
1/4	36T 1002L	0.71	50	400	0.1
3/8	36T 1003L	0.82	30	240	0.2
1/2	36T 1004L	1.01	40	160	0.3
3/4	36T 1006L	1.18	25	100	0.5
1	36T 1010L	1.43	25	50	0.8
1-1/4	36T 1012L	1.69	14	28	1.2
1-1/2	36T 1014L	1.84	15	30	1.6
2	36T 1020L	2.12	-	15	2.7
2-1/2	36T 1024L	2.70	-	10	5.1
3	36T 1030L	3.08	-	6	7.5
4	36T 1040L	3.79	-	2	13.3

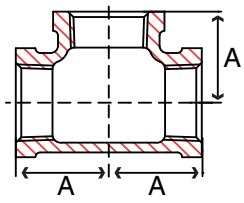


Fig. 36BT1L – Bull Head Tee

Size in	Part Number	A in	B in	C in	Packing		Weight lb
					Inner	Master	
1/2 x 3/4	36BT1004006L	1.11	1.11	1.08	25	100	0.4
3/4 x 1	36BT1006010L	1.31	1.31	1.30	15	60	0.7

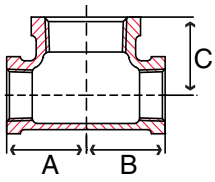


Fig. 36RT1L – Reducing Tee

Size in	Part Number	A in	B in	C in	Packing		Weight lb
					Inner	Master	
1/2 x 1/4	36RT1004002L	0.87	0.87	0.87	25	200	0.2
1/2 x 3/8	36RT1004003L	0.93	0.93	0.90	25	200	0.3
3/4 x 1/4	36RT1006002L	1.00	1.00	1.00	25	100	0.4
3/4 x 3/8	36RT1006003L	1.00	1.00	1.00	25	100	0.4
3/4 x 1/2	36RT1006004L	1.08	1.08	1.11	25	100	0.5
1 x 1/2	36RT1010004L	1.20	1.20	1.24	15	60	0.6
1 x 3/4	36RT1010006L	1.30	1.18	1.31	15	60	0.8
1 x 3/4 x 1	36RT1010006010L	1.43	1.31	1.43	15	60	0.8
1-1/4 x 1/2	36RT1012004L	1.29	1.29	1.41	20	40	0.8
1-1/4 x 3/4	36RT1012006L	1.39	1.39	1.48	20	40	0.9
1-1/4 x 1	36RT1012010L	1.52	1.52	1.60	20	40	1.2
1-1/2 x 3/4	36RT1014006L	1.42	1.42	1.60	15	30	1.3
1-1/2 x 1	36RT1014010L	1.55	1.55	1.72	15	30	1.2
1-1/2 x 1-1/4	36RT1014012L	1.72	1.72	1.81	12	24	1.7
2 x 1/2	36RT1020004L	1.47	1.47	1.84	12	24	1.8
2 x 3/4	36RT1020006L	1.47	1.47	1.84	12	24	1.9
2 x 1	36RT1020010L	1.59	1.59	1.95	10	20	2.0
2 x 1-1/4	36RT1020012L	1.77	1.77	2.04	8	16	2.2
2 x 1-1/2	36RT1020014L	1.89	1.89	2.07	8	16	2.6
2-1/2 x 1-1/4	36RT1024012L	2.04	2.04	2.45	-	10	3.2
2-1/2 x 1-1/2	36RT1024014L	2.16	2.16	2.51	-	10	3.8
2-1/2 x 2	36RT1024020L	2.39	2.39	2.60	-	10	4.2
3 x 1-1/2	36RT1030014L	2.29	2.29	2.80	-	6	4.9
3 x 2	36RT1030020L	2.52	2.52	2.89	-	6	3.7

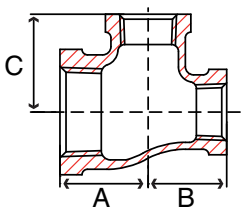
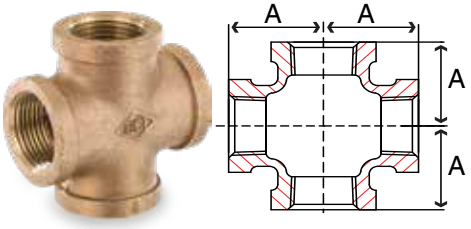
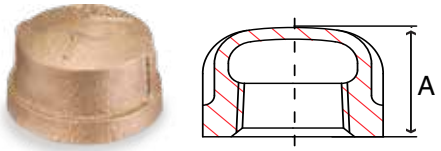


Fig. 36X 1L – Cross



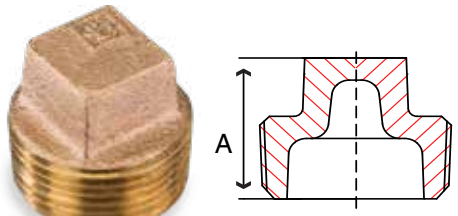
Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/8	36X 1001L	0.54	20	320	0.1
1/4	36X 1002L	0.71	40	320	0.2
3/8	36X 1003L	0.82	40	160	0.1
1/2	36X 1004L	1.01	30	120	0.4
3/4	36X 1006L	1.18	20	80	0.7
1	36X 1010L	1.43	20	40	1.0
1-1/4	36X 1012L	1.69	-	20	1.6
1-1/2	36X 1014L	1.84	-	18	2.1
2	36X 1020L	2.12	-	10	3.2
2-1/2	36X 1024L	2.70	-	6	5.5
3	36X 1030L	3.08	-	4	8.2

Fig. 36C 1L – Cap



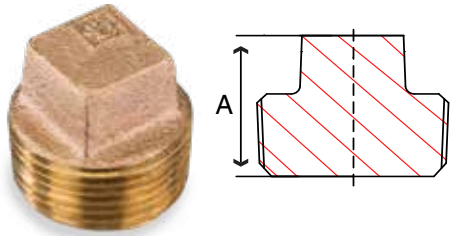
Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/8	36C 1001L	0.53	120	1920	0.03
1/4	36C 1002L	0.63	80	1280	0.06
3/8	36C 1003L	0.68	60	720	0.1
1/2	36C 1004L	0.80	75	600	0.1
3/4	36C 1006L	0.90	40	320	0.1
1	36C 1010L	1.08	25	200	0.3
1-1/4	36C 1012L	1.12	25	100	0.5
1-1/2	36C 1014L	1.17	25	100	0.6
2	36C 1020L	1.36	18	72	0.9
2-1/2	36C 1024L	1.70	20	40	1.9
3	36C 1030L	1.80	12	24	2.7
4	36C 1040L	2.08	6	12	4.4

Fig. 36SC1L – Square Head Cored Plug



Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/2	36SC1004L	1.00	50	800	0.1
3/4	36SC1006L	1.15	30	360	0.1
1	36SC1010L	1.30	20	240	0.2
1-1/4	36SC1012L	1.40	40	160	0.3
1-1/2	36SC1014L	1.50	30	120	0.5
2	36SC1020L	1.60	20	80	0.7
2-1/2	36SC1024L	1.85	16	64	1.0
3	36SC1030L	1.95	16	32	2.0
4	36SC1040L	2.30	8	16	3.6

Fig. 36SS1L – Square Head Solid Plug



Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/8	36SS1001L	0.65	300	4800	0.02
1/4	36SS1002L	0.75	150	2400	0.03
3/8	36SS1003L	0.85	100	1600	0.06
1/2	36SS1004L	1.00	50	800	0.1
3/4	36SS1006L	1.15	30	360	0.1
1	36SS1010L	1.30	20	240	0.3
1-1/4	36SS1012L	1.40	40	160	0.6
1-1/2	36SS1014L	1.50	30	120	0.8
2	36SS1020L	1.60	20	80	1.2

Fig. 36U 1L – Union

Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/8	36U 1001L	1.34	30	480	0.1
1/4	36U 1002L	1.45	20	240	0.2
3/8	36U 1003L	1.60	20	160	0.3
1/2	36U 1004L	1.60	40	160	0.5
3/4	36U 1006L	1.80	40	80	0.7
1	36U 1010L	2.00	30	60	1.1
1-1/4	36U 1012L	2.07	20	40	1.6
1-1/2	36U 1014L	2.33	15	30	2.0
2	36U 1020L	2.53	10	20	3.2
2-1/2	36U 1024L	3.33	-	10	5.3
3	36U 1030L	3.60	-	7	6.9
4	36U 1040L	3.80	-	4	12.0

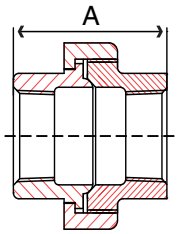
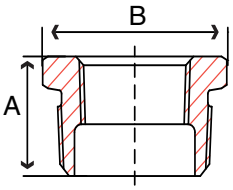


Fig. 36HB1L – Hex Bushing

Size in	Part Number	A in	B in	Hex	Packing		Weight lb
					Inner	Master	
1/4 x 1/8	36HB1002001L	0.61	0.66	Out	120	1920	0.05
3/8 x 1/8	36HB1003001L	0.81	0.73	Out	75	1200	0.05
3/8 x 1/4	36HB1003002L	0.81	0.73	Out	75	1200	0.05
1/2 x 1/8	36HB1004001L	0.95	0.88	Out	100	800	0.1
1/2 x 1/4	36HB1004002L	0.81	0.90	Out	100	800	0.09
1/2 x 3/8	36HB1004003L	0.81	0.90	Out	100	800	0.07
3/4 x 1/8	36HB1006001L	0.88	1.18	Out	50	600	0.1
3/4 x 1/4	36HB1006002L	0.93	1.18	Out	40	480	0.1
3/4 x 3/8	36HB1006003L	0.93	1.18	Out	50	600	0.1
3/4 x 1/2	36HB1006004L	0.93	1.18	Out	40	480	0.1
1 x 1/4	36HB1010002L	1.13	1.12	In	50	400	0.2
1 x 3/8	36HB1010003L	1.13	1.12	In	50	400	0.2
1 x 1/2	36HB1010004L	1.10	1.44	Out	40	320	0.2
1 x 3/4	36HB1010006L	1.10	1.44	Out	40	360	0.2
1-1/4 x 1/2	36HB1012004L	1.18	1.80	Out	30	120	0.3
1-1/4 x 3/4	36HB1012006L	1.18	1.80	Out	30	120	0.4
1-1/4 x 1	36HB1012010L	1.18	1.80	Out	30	120	0.3
1-1/2 x 1/2	36HB1014004L	1.27	1.34	In	25	100	0.4
1-1/2 x 3/4	36HB1014006L	1.27	1.63	In	25	100	0.4
1-1/2 x 1	36HB1014010L	1.19	2.04	Out	25	100	0.5
1-1/2 x 1-1/4	36HB1014012L	1.19	2.04	Out	25	100	0.4
2 x 1/2	36HB1020004L	1.35	1.36	In	20	80	0.6
2 x 3/4	36HB1020006L	1.35	1.65	In	20	80	0.7
2 x 1	36HB1020010L	1.35	2.00	In	20	80	0.7
2 x 1-1/4	36HB1020012L	1.35	2.50	Out	20	80	0.8
2 x 1-1/2	36HB1020014L	1.35	2.55	Out	20	80	0.8
2-1/2 x 1-1/4	36HB1024012L	1.60	3.15	Out	12	48	1.2
2-1/2 x 1-1/2	36HB1024014L	1.52	2.70	In	12	48	1.3
2-1/2 x 2	36HB1024020L	1.62	3.15	Out	12	48	1.1
3 x 1	36HB1030010L	1.60	2.00	In	12	48	1.6
3 x 1-1/2	36HB1030014L	1.70	2.70	In	12	48	1.8
3 x 2	36HB1030020L	1.70	3.25	In	6	24	2.3
3 x 2-1/2	36HB1030024L	1.70	3.90	Out	6	24	2.1
4 x 2	36HB1040020L	1.80	3.30	In	-	20	3.6
4 x 2-1/2	36HB1040024L	2.10	4.75	Out	-	20	3.9
4 x 3	36HB1040030L	2.10	4.75	Out	-	20	4.2



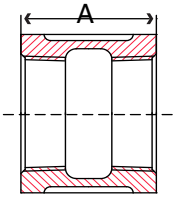


Fig. 36CP1L – Coupling

Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/8	36CP1001L	0.80	70	1120	0.1
1/4	36CP1002L	0.97	40	640	0.1
3/8	36CP1003L	1.05	50	600	0.1
1/2	36CP1004L	1.29	40	320	0.1
3/4	36CP1006L	1.43	50	200	0.2
1	36CP1010L	1.68	25	100	0.4
1-1/4	36CP1012L	1.86	20	80	0.6
1-1/2	36CP1014L	1.92	12	48	0.8
2	36CP1020L	2.20	12	24	1.3
2-1/2	36CP1024L	2.88	8	16	2.6
3	36CP1030L	3.18	8	16	3.7
4	36CP1040L	3.69	-	6	5.8

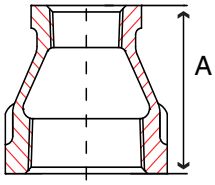


Fig. 36RC1L – Reducing Coupling

Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/4 x 1/8	36RC1002001L	0.88	50	600	0.08
3/8 x 1/8	36RC1003001L	0.92	35	420	0.1
3/8 x 1/4	36RC1003002L	1.01	40	480	0.1
1/2 x 1/8	36RC1004001L	1.13	50	400	0.1
1/2 x 1/4	36RC1004002L	1.13	50	400	0.1
1/2 x 3/8	36RC1004003L	1.17	40	320	0.1
3/4 x 1/8	36RC1006001L	1.24	35	280	0.1
3/4 x 1/4	36RC1006002L	1.24	30	240	0.2
3/4 x 3/8	36RC1006003L	1.24	50	200	0.2
3/4 x 1/2	36RC1006004L	1.36	60	240	0.2
1 x 1/4	36RC1010002L	1.49	45	180	0.3
1 x 3/8	36RC1010003L	1.49	30	120	0.4
1 x 1/2	36RC1010004L	1.49	30	120	0.3
1 x 3/4	36RC1010006L	1.56	25	100	0.4
1-1/4 x 1/2	36RC1012004L	1.65	25	100	0.6
1-1/4 x 3/4	36RC1012006L	1.65	25	100	0.6
1-1/4 x 1	36RC1012010L	1.77	15	60	0.5
1-1/2 x 1/2	36RC1014004L	1.8	15	60	0.7
1-1/2 x 3/4	36RC1014006L	1.8	15	60	0.8
1-1/2 x 1	36RC1014010L	1.8	15	60	0.6
1-1/2 x 1-1/4	36RC1014012L	1.89	12	48	0.9
2 x 1/2	36RC1020004L	2.03	12	48	1.2
2 x 3/4	36RC1020006L	2.03	12	48	1.2
2 x 1	36RC1020010L	2.03	12	48	0.9
2 x 1-1/4	36RC1020012L	2.03	14	28	1.3
2 x 1-1/2	36RC1020014L	2.06	12	24	1.0
2-1/2 x 1-1/2	36RC1024014L	3.25	-	25	2.2
2-1/2 x 2	36RC1024020L	3.25	-	25	2.4
3 x 1	36RC1030010L	3.69	-	20	2.5
3 x 1-1/4	36RC1030012L	3.69	-	20	2.1
3 x 1-1/2	36RC1030014L	3.69	-	20	2.3
3 x 2	36RC1030020L	3.69	-	20	3.6
3 x 2-1/2	36RC1030024L	3.69	-	12	3.9
4 x 2	36RC1040020L	4.38	-	10	6.0
4 x 2-1/2	36RC1040024L	4.38	-	10	5.9
4 x 3	36RC1040030L	4.38	-	6	6.5

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Instrumentation

Please see complete installation instructions at www.smithcooper.com for important guidelines and limitations on the use and applications of SCI compression fittings and instrumentation tubing.

Instrumentation Fittings & Tubing

Specifications

- Instrumentation fittings meet ANSI B31.1, ANSI B31.3, ASME Sec. VIII
- Instrumentation fitting wall thickness conform to SAE-J-514
- NPT pipe threads conform to ASME B1.20.1
- Straight threads conform to ANSI B1.1 (unified threads clause 2A & 2B)
- Instrumentation fittings made from material that conforms to ASTM A276 316 SS (barstock) and ASTM A-182 G F 316 (forgings)
- Instrumentation fitting ferrules conform to ASTM A276 316 SS (min hardness Rockwell B-90)
- Instrumentation fitting ferrules composed of 316 SS
- Nuts are silver plated to 5 microns for anti-galling

Testing

- The following tests are carried out at various stages of manufacture and are in accordance with BS-4368-Part-IV:
- Visual / dimensional check
- Pneumatic pressure test at 2,000 psi
- Hydraulic leak test at 10,000 psi
- Pressure impulse & vibration test at vibration frequency of 23-47 Hz with 5 mm amplitude, and 30-40 CPM for a minimum of 20 million cycles
- Minimum burst pressure test at a steady rate of 3,000 PSI per min, up to 15,000 psi
- Make-and-break test hydraulically tested at 6,000 psi and 10,000 psi
- Temperature cycling test: temperature increased from ambient to 320° C held for 60 min reduced to ambient, then hydraulically at 10,000 psi
- Vacuum test at 700 mbar vacuum, deterioration in vacuum not to exceed 20 mbar in 20 mins.
- Helium leakage test at 15 PSI, leakage not to exceed 2.0 x 10^{-5} STD cc/sec

Instrumentation Tubing Specifications

- Instrumentation tubing dimensions and materials conform to ASTM A269 and ASTM A213

Please see complete installation instructions at www.smithcooper.com for important guidelines and limitations on the use and applications of SCI compression fittings and instrumentation tubing.

AFEC

SFEC

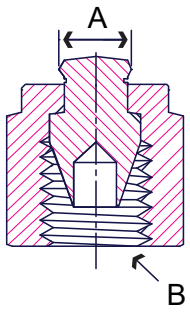

Fig. AFEC & SFEC – Fitting End Closure

Tube OD in	Part Number		A in	B in	Packing	Weight lb
	Double Ferrule	Single Ferrule				
1/8	S76AFEC001	S76SFEC001	1/8	7/16	100	0.04
1/4	S76AFEC002	S76SFEC002	1/4	9/16	100	0.05
3/8	S76AFEC003	S76SFEC003	3/8	11/16	60	0.09
1/2	S76AFEC004	S76SFEC004	1/2	7/8	20	0.1
5/8	S76AFEC005	-	5/8	1	50	0.1
3/4	S76AFEC006	S76SFEC006	3/4	1-1/8	20	0.2
1	S76AFEC010	-	1	1-1/2	20	0.2

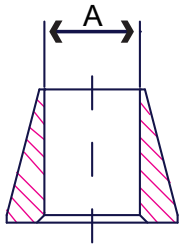

Fig. AFF & SF – Front Ferrule

Tube OD in	Part Number		A in	Packing	Weight lb
	Double Ferrule	Single Ferrule			
1/8	S76AFF001	S76SF001	1/8	500	0.007
3/16	S76AFF316	S76SF316	3/16	500	0.007
1/4	S76AFF002	S76SF002	1/4	500	0.009
5/16	S76AFF516	S76SF516	5/16	500	0.01
3/8	S76AFF003	S76SF003	3/8	300	0.01
1/2	S76AFF004	S76SF004	1/2	200	0.01
5/8	S76AFF005	S76SF005	5/8	150	0.04
3/4	S76AFF006	S76SF006	3/4	100	0.05
1	S76AFF010	S76SF010	1	1	0.06

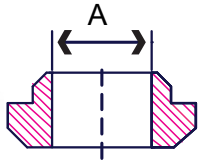

Fig. ABF – Back Ferrule

Tube OD in	Part Number	A in	Packing	Weight lb
1/8	S76ABF001	1/8	500	0.004
3/16	S76ABF316	3/16	500	0.004
1/4	S76ABF002	1/4	500	0.007
5/16	S76ABF516	5/16	500	0.009
3/8	S76ABF003	3/8	300	0.01
1/2	S76ABF004	1/2	200	0.01
5/8	S76ABF005	5/8	150	0.03
3/4	S76ABF006	3/4	100	0.04
1	S76ABF010	1	1	0.05

AHN

SHN

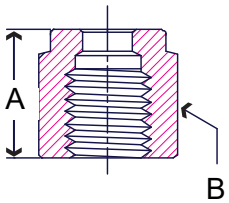

Fig. AHN & SHN– Hex Nut

Tube OD in	Part Number		A in	B in	Packing	Weight lb
	Double Ferrule	Single Ferrule				
1/8	S76AHN001	S76SHN001	0.47	7/16	100	0.01
1/4	S76AHN002	S76SHN002	0.50	9/16	100	0.02
3/16	S76AHN316	-	0.52	1/2	100	0.22
3/8	S76AHN003	S76SHN003	0.56	11/16	100	0.04
1/2	S76AHN004	S76SHN004	0.69	7/8	60	0.07
5/8	S76AHN005	-	0.69	1	50	0.08
3/4	S76AHN006	S76SHN006	0.69	1-1/8	30	0.09
1	S76AHN010	-	0.81	1-1/2	30	0.09

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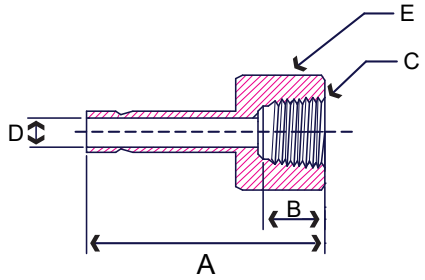

Fig. AFA – Female Adapter

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	Packing	Weight lb
1/8 x 1/8	S76AFA001001	1.23	0.41	1/8	0.09	9/16	100	0.07
1/8 x 1/4	S76AFA001002	1.38	0.59	1/4	0.09	3/4	100	0.08
1/4 x 1/8	S76AFA002001	1.29	0.41	1/8	0.19	9/16	100	0.07
1/4 x 1/4	S76AFA002002	1.45	0.59	1/4	0.19	3/4	60	0.07
1/4 x 3/8	S76AFA002003	1.54	0.59	3/8	0.19	7/8	40	0.08
1/4 x 1/2	S76AFA002004	1.78	0.78	1/2	0.19	1-1/16	20	0.1
3/8 x 1/4	S76AFA003002	1.49	0.59	1/4	0.28	3/4	40	0.1
3/8 x 3/8	S76AFA003003	1.58	0.59	3/8	0.28	7/8	40	0.1
1/2 x 1/4	S76AFA004002	1.71	0.59	1/4	0.39	3/4	40	0.1
1/2 x 3/8	S76AFA004003	1.78	0.59	3/8	0.39	7/8	30	0.07
1/2 x 1/2	S76AFA004004	2.03	0.78	1/2	0.39	1-1/16	10	0.1
5/8 x 1/4	S76AFA005002	1.90	0.59	1/4	0.39	15/16	40	0.2
5/8 x 3/8	S76AFA005003	1.90	0.59	3/8	0.39	15/16	40	0.3
5/8 x 1/2	S76AFA005004	2.08	0.78	1/2	0.50	1-1/16	20	0.3
3/4 x 1/2	S76AFA006004	2.08	0.78	1/2	0.59	1-1/16	10	0.4
3/4 x 3/4	S76AFA006006	2.15	0.81	3/4	0.59	1-5/16	10	0.5
3/4 x 1	S76AFA006010	2.29	1.00	1	0.59	1-5/8	10	0.8
1 x 1	S76AFA010010	2.53	1.00	1	0.80	1-5/8	10	0.5

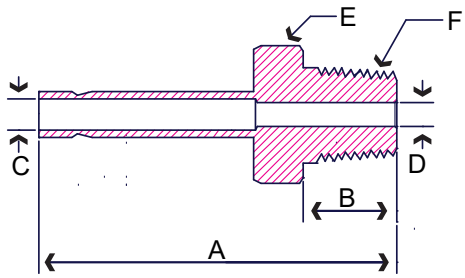

Fig. AMA – Male Adapter

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	Packing	Weight lb
1/8 x 1/8	S76AMA001001	1.15	0.38	0.19	0.09	7/16	1/8	100	0.07
1/8 x 1/4	S76AMA001002	1.36	0.56	0.28	0.09	9/16	1/4	100	0.07
1/4 x 1/8	S76AMA002001	1.24	0.38	0.19	0.19	7/16	1/8	100	0.07
1/4 x 1/4	S76AMA002002	1.45	0.56	0.19	0.19	9/16	1/4	100	0.07
1/4 x 3/8	S76AMA002003	1.48	0.56	0.19	0.19	11/16	3/8	60	0.08
1/4 x 1/2	S76AMA002004	1.70	0.75	0.19	0.19	7/8	1/2	30	0.1
5/16 x 1/8	S76AMA516001	1.28	0.38	0.19	0.25	7/16	1/8	100	0.08
5/16 x 1/4	S76AMA516002	1.49	0.56	0.25	0.25	9/16	1/4	100	0.08
3/8 x 1/4	S76AMA003002	1.52	0.56	0.28	0.28	9/16	1/4	60	0.09
3/8 x 3/8	S76AMA003003	1.55	0.56	0.28	0.28	11/16	3/8	60	0.09
3/8 x 1/2	S76AMA003004	1.77	0.75	0.28	0.28	7/8	1/2	40	0.1
1/2 x 1/4	S76AMA004002	1.75	0.56	0.39	0.28	9/16	1/4	30	0.08
1/2 x 3/8	S76AMA004003	1.77	0.56	0.39	0.39	11/16	3/8	30	0.07
1/2 x 1/2	S76AMA004004	1.99	0.75	0.39	0.39	7/8	1/2	30	0.1
5/8 x 1/2	S76AMA005004	2.05	0.75	0.47	0.50	7/8	1/2	20	0.2
3/4 x 1/2	S76AMA006004	2.05	0.75	0.47	0.59	7/8	1/2	10	0.3
3/4 x 3/4	S76AMA006006	2.05	0.75	0.59	0.59	1-1/16	3/4	10	0.6
3/4 x 1	S76AMA006010	2.31	0.94	0.59	0.59	1-3/8	1	10	0.6
1 x 3/4	S76AMA010006	2.31	0.75	0.80	0.62	1-1/16	3/4	10	0.6
1 x 1	S76AMA010010	2.60	0.94	0.80	0.80	1-3/8	1	10	0.6

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AFBT

SFBT

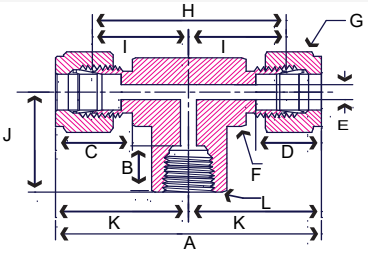

Fig. AFBT – Female Branch Tee Double Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	K in	L in	Packing	Weight lb
1/8 x 1/8	S76AFBT001001	1.92	0.41	0.60	0.50	0.09	1/2	7/16	1.40	0.70	0.74	0.96	1/8	40	0.1
1/8 x 1/4	S76AFBT001002	2.16	0.59	0.60	0.50	0.09	3/4	7/16	1.64	0.82	0.88	1.08	1/4	30	0.1
3/16 x 1/8	S76AFBT316001	2.00	0.41	0.63	0.54	0.12	1/2	1/2	1.48	0.74	0.75	1.00	1/8	40	0.1
1/4 x 1/8	S76AFBT002001	2.10	0.41	0.70	0.60	0.19	1/2	9/16	1.52	0.76	0.74	1.05	1/8	30	0.1
1/4 x 1/4	S76AFBT002002	2.32	0.59	0.70	0.60	0.19	11/16	9/16	1.74	0.87	0.87	1.16	1/4	30	0.2
3/8 x 1/4	S76AFBT003002	2.44	0.59	0.76	0.66	0.28	11/16	11/16	1.84	0.93	0.87	1.22	1/4	20	0.3
3/8 x 3/8	S76AFBT003003	2.60	0.59	0.76	0.66	0.28	13/16	11/16	2.02	1.01	0.87	1.30	3/8	20	0.3
1/2 x 3/8	S76AFBT004003	2.82	0.59	0.86	0.90	0.41	13/16	7/8	2.02	1.01	0.87	1.41	3/8	10	0.3
1/2 x 1/2	S76AFBT004004	3.04	0.78	0.86	0.90	0.41	1	7/8	2.24	1.12	1.11	1.52	1/2	10	0.5

Fig. SFBT – Female Branch Tee Single Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	K in	L in	Packing	Weight lb
1/4 x 1/4	S76SFBT002002	2.32	0.59	0.70	0.60	0.19	11/16	9/16	1.74	0.87	0.87	1.16	1/4	30	0.2
1/2 x 3/8	S76SFBT004003	2.82	0.59	0.86	0.90	0.41	13/16	7/8	2.02	1.01	0.87	1.41	3/8	10	0.3
1/2 x 1/2	S76SFBT004004	3.04	0.78	0.86	0.90	0.41	1	7/8	2.24	1.12	1.11	1.52	1/2	10	0.5

AUT

SUT

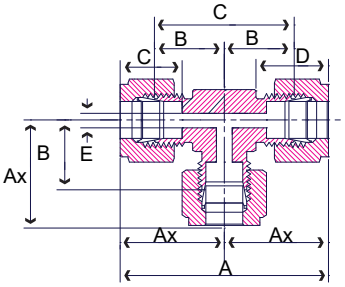

Fig. AUT – Union Tee Double Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	Packing	Weight lb
1/8	S76AUT001	1.76	1.22	0.87	0.50	0.09	3/8	7/16	40	0.2
3/16	S76AUT316	1.92	1.40	0.96	0.54	0.12	1/2	1/2	40	0.1
1/4	S76AUT002	2.12	1.52	1.05	0.60	0.19	1/2	9/16	30	0.2
5/16	S76AUT516	2.34	1.74	1.16	0.64	0.25	5/8	5/8	20	0.3
3/8	S76AUT003	2.40	1.80	1.19	0.66	0.28	5/8	11/16	20	0.4
1/2	S76AUT004	2.84	2.02	1.41	0.96	0.41	13/16	7/8	10	0.7

Fig. SUT – Union Tee Single Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	Packing	Weight lb
1/8	S76SUT001	1.76	1.22	0.87	0.50	0.09	3/8	7/16	40	0.2
1/4	S76SUT002	2.12	1.52	1.05	0.60	0.19	1/2	9/16	30	0.2
3/8	S76SUT003	2.40	1.80	1.19	0.66	0.28	5/8	11/16	20	0.4
1/2	S76SUT004	2.84	2.02	1.41	0.96	0.41	13/16	7/8	10	0.7
5/8	S76SUT005	3.06	2.24	1.52	0.96	0.50	1	1	10	0.8
3/4	S76SUT006	3.14	2.32	1.56	0.96	0.62	1-1/16	1-1/8	5	1.0
1	S76SUT010	3.86	2.88	1.92	1.23	0.88	1-3/8	1-1/2	1	1.0

AMBT

SMBT

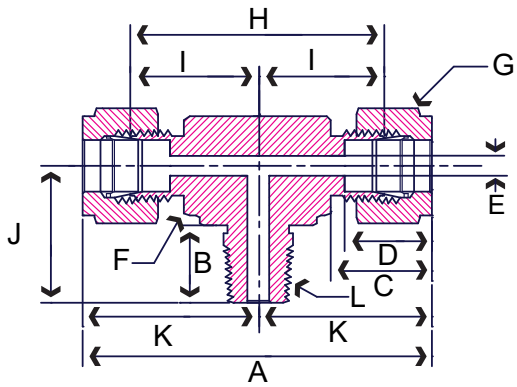

Fig. AMBT – Male Branch Tee Double Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	K in	L in	Packing	Weight lb
1/8 x 1/8	S76AMBT001001	1.84	0.38	0.60	0.50	0.09	7/16	7/16	1.32	0.66	0.69	1.84	1/8	40	0.1
1/8 x 1/4	S76AMBT001002	1.92	0.56	0.60	0.50	0.09	1/2	7/16	1.40	0.70	0.91	1.92	1/4	30	0.1
3/16 x 1/8	S76AMBT316001	1.92	0.38	0.63	0.54	0.12	1/2	1/2	1.40	0.70	0.70	0.96	1/8	40	0.1
1/4 x 1/8	S76AMBT002001	2.10	0.38	0.70	0.60	0.19	1/2	9/16	1.52	0.76	0.73	2.10	1/8	30	0.1
1/4 x 1/4	S76AMBT002002	2.10	0.56	0.70	0.60	0.19	1/2	9/16	1.52	0.76	0.91	2.10	1/4	30	0.1
1/4 x 1/2	S76AMBT002004	2.50	0.75	0.70	0.60	0.19	7/8	9/16	1.92	0.96	1.30	1.25	1/2	20	0.2
5/16 x 1/8	S76AMBT516001	2.34	0.38	0.73	0.64	0.19	5/8	5/8	1.76	0.88	0.82	1.17	1/8	40	0.1
3/8 x 1/4	S76AMBT003002	2.38	0.56	0.76	0.66	0.28	5/8	11/16	1.80	0.90	0.99	2.38	1/4	30	0.2
3/8 x 3/8	S76AMBT003003	2.60	0.56	0.76	0.66	0.28	13/16	11/16	2.02	1.01	1.10	2.60	3/8	20	0.2
1/2 x 3/8	S76AMBT004003	2.82	0.56	0.86	0.90	0.38	13/16	7/8	2.02	1.01	1.10	2.82	3/8	10	0.4
1/2 x 1/2	S76AMBT004004	2.82	0.75	0.86	0.90	0.41	13/16	7/8	2.02	1.01	1.29	2.82	1/2	10	0.7

Fig. SMBT – Male Branch Tee Single Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	K in	L in	Packing	Weight lb
1/4 x 1/8	S76SMBT002001	2.10	0.38	0.70	0.60	0.19	1/2	9/16	1.52	0.76	0.73	2.10	1/8	30	0.1
1/4 x 1/4	S76SMBT002002	2.10	0.56	0.70	0.60	0.19	1/2	9/16	1.52	0.76	0.91	2.10	1/4	30	0.1
3/8 x 1/4	S76SMBT003002	2.38	0.56	0.76	0.66	0.28	5/8	11/16	1.80	0.90	0.99	2.38	1/4	30	0.2
1/2 x 1/2	S76SMBT004004	2.82	0.75	0.86	0.90	0.41	13/16	7/8	2.02	1.01	1.29	2.82	1/2	10	0.7
3/4 x 1/2	S76SMBT006004	3.14	0.75	0.86	0.96	0.47	1-1/16	1-1/8	2.34	1.17	1.45	1.57	1/2	5	0.3
1 x 1	S76SMBT010010	3.86	0.94	1.04	1.23	0.88	1-7/16	1-1/2	2.90	1.45	1.83	1.93	1	5	0.6

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AMRT

SMRT

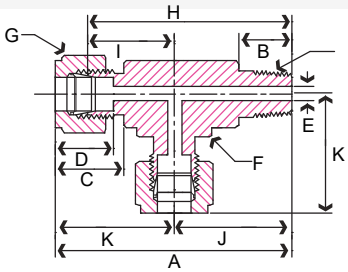

Fig. AMRT – Male Run Tee Double Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	K in	L in	Packing	Weight lb
1/8 x 1/8	S76AMRT001001	1.61	0.38	0.60	0.50	0.09	7/16	7/16	1.35	0.66	0.92	0.93	1/8	40	0.1
1/8 x 1/4	S76AMRT001002	1.87	0.56	0.60	0.50	0.09	1/2	7/16	1.61	0.70	0.96	0.97	1/4	30	0.1
3/16 x 1/8	S76AMRT316001	1.66	0.38	0.63	0.54	0.12	1/2	1/2	1.40	0.70	0.70	0.96	1/8	40	0.1
1/4 x 1/8	S76AMRT002001	1.98	0.38	0.70	0.60	0.19	1/2	9/16	1.48	0.76	1.05	1.06	1/8	30	0.1
1/4 x 1/4	S76AMRT002002	1.96	0.56	0.70	0.60	0.19	1/2	9/16	1.67	0.76	1.05	1.06	1/4	30	0.1
5/16 x 1/8	S76AMRT516001	1.99	0.38	0.73	0.64	0.19	5/8	5/8	1.70	0.88	0.82	1.17	1/8	40	0.1
3/8 x 1/4	S76AMRT003002	2.18	0.56	0.76	0.66	0.28	5/8	11/16	1.89	0.90	1.19	1.20	1/4	20	0.2
3/8 x 3/8	S76AMRT003003	2.40	0.56	0.76	0.66	0.28	13/16	11/16	2.11	1.01	1.30	1.31	3/8	10	0.2
1/2 x 3/8	S76AMRT004003	2.51	0.56	0.86	0.90	0.38	13/16	7/8	2.11	1.01	1.41	1.42	3/8	10	0.4
1/2 x 1/2	S76AMRT004004	2.70	0.75	0.86	0.90	0.41	13/16	7/8	2.30	1.01	1.41	1.42	1/2	10	0.7

Fig. SMRT – Male Run Tee Single Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	K in	L in	Packing	Weight lb
1/4 x 1/4	S76SMRT002002	1.96	0.56	0.70	0.60	0.19	1/2	9/16	1.67	0.76	1.05	1.06	1/4	30	0.1
3/8 x 1/4	S76SMRT003002	2.18	0.56	0.76	0.66	0.28	5/8	11/16	1.89	0.90	1.19	1.20	1/4	20	0.2
3/8 x 3/8	S76SMRT003003	2.40	0.56	0.76	0.66	0.28	13/16	11/16	2.11	1.01	1.30	1.31	3/8	10	0.2
1/2 x 3/8	S76SMRT004003	2.51	0.56	0.86	0.90	0.38	13/16	7/8	2.11	1.01	1.41	1.42	3/8	10	0.4

AFRT

SFRT

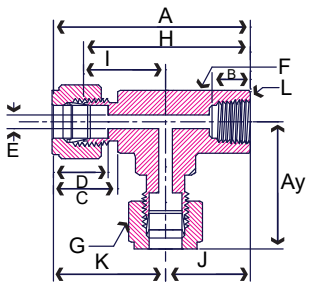

Fig. AFRT – Female Run Tee Double Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	K in	L in	Packing	Weight lb
1/8 x 1/8	S76AFRT001001	1.71	0.41	0.60	0.50	0.09	1/2	7/16	1.44	0.70	0.74	0.96	1/8	40	0.1
1/8 x 1/4	S76AFRT001002	1.96	0.59	0.60	0.50	0.09	3/4	7/16	1.07	0.82	0.88	1.08	1/4	30	0.1
1/4 x 1/8	S76AFRT002001	1.81	0.41	0.70	0.60	0.19	1/2	9/16	1.50	0.76	0.74	1.05	1/8	40	0.1
1/4 x 1/4	S76AFRT002002	2.05	0.59	0.70	0.60	0.19	11/16	9/16	1.79	0.87	0.87	1.16	1/4	30	0.2
3/16 x 1/8	S76AFRT316001	1.75	0.41	0.63	0.54	0.12	1/2	1/2	1.49	0.74	0.75	1.00	1/8	40	0.1
3/8 x 1/4	S76AFRT003002	2.10	0.59	0.76	0.66	0.28	11/16	11/16	1.79	0.93	0.87	1.22	1/4	20	0.3
3/8 x 3/8	S76AFRT003003	2.17	0.59	0.76	0.66	0.28	7/8	11/16	1.88	1.01	0.87	1.30	3/8	10	0.3
1/2 x 3/8	S76AFRT004003	2.29	0.59	0.86	0.90	0.41	13/16	7/8	1.88	1.01	0.87	1.41	3/8	10	0.3
1/2 x 1/2	S76AFRT004004	2.68	0.78	0.86	0.90	0.41	1-1/16	7/8	2.27	1.16	1.12	1.56	1/2	10	0.5

Fig. SFRT – Female Run Tee Single Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	K in	L in	Packing	Weight lb
1/4 x 1/4	S76SFRT002002	2.05	0.59	0.70	0.60	0.19	11/16	9/16	1.79	0.87	0.87	1.16	1/4	30	0.2
3/8 x 1/4	S76SFRT003002	2.10	0.59	0.76	0.66	0.28	11/16	11/16	1.79	0.93	0.87	1.22	1/4	20	0.3

AMC

SMC

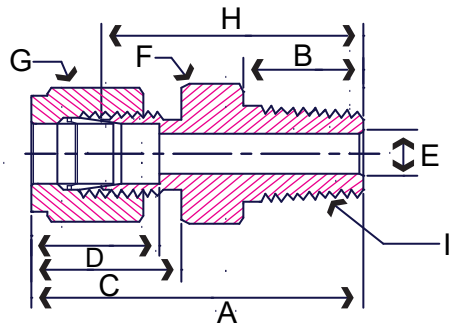

Fig. AMC – Male Connector Double Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	Packing	Weight lb
1/8 x 1/8	S76AMC001001	1.19	0.38	0.60	0.50	0.09	7/16	7/16	0.93	1/8	100	0.08
1/8 x 1/4	S76AMC001002	1.39	0.56	0.60	0.50	0.09	9/16	7/16	1.13	1/4	100	0.08
3/16 x 1/8	S76AMC316001	1.23	0.38	0.63	0.54	0.12	7/16	1/2	0.97	1/8	100	0.08
3/16 x 1/4	S76AMC316002	1.43	0.56	0.63	0.54	0.12	9/16	1/2	1.17	1/4	30	0.08
1/4 x 1/8	S76AMC002001	1.28	0.38	0.70	0.60	0.19	1/2	9/16	0.99	1/8	100	0.07
1/4 x 1/4	S76AMC002002	1.48	0.56	0.70	0.60	0.19	9/16	9/16	1.19	1/4	100	0.08
1/4 x 3/8	S76AMC002003	1.50	0.56	0.70	0.60	0.19	11/16	9/16	1.21	3/8	60	0.09
1/4 x 1/2	S76AMC002004	1.75	0.75	0.70	0.60	0.19	7/8	9/16	1.46	1/2	30	0.1
5/16 x 1/8	S76AMC516001	1.34	0.38	0.73	0.64	0.19	9/16	5/8	1.05	1/8	100	0.1
5/16 x 1/4	S76AMC516002	1.51	0.56	0.73	0.64	0.25	9/16	5/8	1.22	1/4	40	0.1
3/8 x 1/8	S76AMC003001	1.38	0.38	0.76	0.66	0.19	5/8	11/16	1.09	1/8	100	0.1
3/8 x 1/4	S76AMC003002	1.56	0.56	0.76	0.66	0.28	5/8	11/16	1.27	1/4	60	0.1
3/8 x 3/8	S76AMC003003	1.56	0.56	0.76	0.66	0.28	11/16	11/16	1.27	3/8	40	0.1
3/8 x 1/2	S76AMC003004	1.81	0.75	0.76	0.66	0.28	7/8	11/16	1.52	1/2	30	0.1
1/2 x 1/4	S76AMC004002	1.70	0.56	0.86	0.90	0.28	13/16	7/8	1.30	1/4	30	0.1
1/2 x 3/8	S76AMC004003	1.70	0.56	0.86	0.90	0.38	13/16	7/8	1.30	3/8	30	0.1
1/2 x 1/2	S76AMC004004	1.92	075	0.86	0.90	0.41	7/8	7/8	1.52	1/2	30	0.2
1/2 x 3/4	S76AMC004006	1.98	0.75	0.86	0.96	0.41	1-1/16	7/8	1.58	3/4	20	0.2

Fig. SMC – Male Connector Single Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	Packing	Weight lb
1/8 x 1/8	S76SMC001001	1.19	0.38	0.60	0.50	0.09	7/16	7/16	0.93	1/8	100	0.08
1/8 x 1/4	S76SMC001002	1.39	0.56	0.60	0.50	0.09	9/16	7/16	1.13	1/4	100	0.08
1/4 x 1/8	S76SMC002001	1.28	0.38	0.70	0.60	0.19	1/2	9/16	0.99	1/8	100	0.07
1/4 x 1/4	S76SMC002002	1.48	0.56	0.70	0.60	0.19	9/16	9/16	1.19	1/4	100	0.08
1/4 x 3/8	S76SMC002003	1.50	0.56	0.70	0.60	0.19	11/16	9/16	1.21	3/8	60	0.09
1/4 x 1/2	S76SMC002004	1.75	0.75	0.70	0.60	0.19	7/8	9/16	1.46	1/2	30	0.1
5/16 x 1/4	S76SMC516002	1.51	0.56	0.73	0.64	0.25	9/16	5/8	1.22	1/4	40	0.1
3/8 x 1/8	S76SMC003001	1.38	0.38	0.76	0.66	0.19	5/8	11/16	1.09	1/8	100	0.1
3/8 x 1/4	S76SMC003002	1.56	0.56	0.76	0.66	0.28	5/8	11/16	1.27	1/4	60	0.1
3/8 x 3/8	S76SMC003003	1.56	0.56	0.76	0.66	0.28	11/16	11/16	1.27	3/8	40	0.1
3/8 x 1/2	S76SMC003004	1.81	0.75	0.76	0.66	0.28	7/8	11/16	1.52	1/2	30	0.1
1/2 x 1/4	S76SMC004002	1.70	0.56	0.86	0.90	0.28	13/16	7/8	1.30	1/4	30	0.1
1/2 x 3/8	S76SMC004003	1.70	0.56	0.86	0.90	0.38	13/16	7/8	1.30	3/8	30	0.1
1/2 x 1/2	S76SMC004004	1.92	075	0.86	0.90	0.41	7/8	7/8	1.52	1/2	30	0.2
1/2 x 3/4	S76SMC004006	1.98	0.75	0.86	0.96	0.41	1-1/16	7/8	1.58	3/4	20	0.2
5/8 x 1/2	S76SMC005004	1.92	0.75	0.86	0.96	0.47	15/16	1	1.52	1/2	20	0.3
3/4 x 1/2	S76SMC006004	1.98	0.75	0.86	0.96	0.47	1-1/16	1-1/8	1.58	1/2	15	0.4
3/4 x 3/4	S76SMC006006	1.98	0.75	0.86	0.96	0.62	1-1/16	1-1/8	1.58	3/4	15	0.4
1 x 3/4	S76SMC010006	2.26	0.75	1.04	1.23	0.62	1-3/8	1-1/2	1.78	3/4	15	0.4
1 x 1	S76SMC010010	2.45	0.94	1.04	1.23	0.88	1-3/8	1-1/2	1.97	1	10	0.5

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ARU

SRU

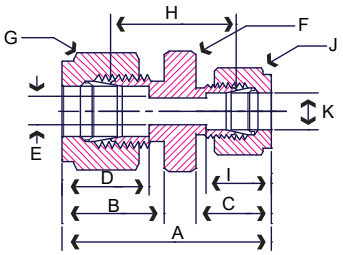

Fig. ARU – Reducing Union Double Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	K in	Packing	Weight lb
1/4 x 1/8	S76ARU002001	1.51	0.70	0.60	0.60	0.09	1/2	9/16	0.96	0.50	7/16	1/8	100	0.08
5/16 x 1/4	S76ARU516002	1.65	0.73	0.70	0.64	0.19	9/16	5/8	1.07	0.60	9/16	1/4	60	0.1
3/16 x 1/8	S76ARU316001	1.67	0.74	0.70	0.65	0.19	1/2	7/16	1.09	0.60	9/16	1/4	60	0.1
3/8 x 1/4	S76ARU003002	1.69	0.76	0.70	0.66	0.19	5/8	11/16	1.11	0.60	9/16	1/4	40	0.1
1/2 x 1/4	S76ARU004002	1.84	0.86	0.70	0.90	0.19	13/16	7/8	1.15	0.60	9/16	1/4	20	0.3
1/2 x 3/8	S76ARU004003	1.90	0.86	0.76	0.90	0.28	13/16	7/8	1.21	0.66	11/16	3/8	20	0.3

Fig. SRU – Reducing Union Single Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	K in	Packing	Weight lb
1/4 x 1/8	S76SRU002001	1.51	0.70	0.60	0.60	0.09	1/2	9/16	0.96	0.50	7/16	1/8	100	0.08
3/8 x 1/4	S76SRU003002	1.69	0.76	0.70	0.66	0.19	5/8	11/16	1.11	0.60	9/16	1/4	40	0.1
1/2 x 1/4	S76SRU004002	1.84	0.86	0.70	0.90	0.19	13/16	7/8	1.15	0.60	9/16	1/4	20	0.3
3/4 x 1/2	S76SRU006004	2.10	0.86	0.86	0.96	0.50	1-1/16	1-1/8	1.30	0.90	7/8	1/2	10	0.5

ATEC

STEC

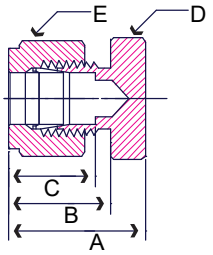

Fig. ATEC – Tube End Closure (Cap) Double Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	Packing	Weight lb
1/8	S76ATEC001	0.78	0.60	0.50	7/16	7/16	0.52	100	0.06
3/16	S76ATEC316	0.84	0.63	0.54	7/16	1/2	0.58	100	0.07
1/4	S76ATEC002	0.92	0.70	0.60	1/2	9/16	0.62	100	0.07
5/16	S76ATEC516	0.96	0.73	0.64	9/16	5/8	0.65	100	0.1
3/8	S76ATEC003	1.00	0.76	0.66	5/8	11/16	0.71	60	0.1
1/2	S76ATEC004	1.14	0.86	0.90	13/16	7/8	0.74	30	0.1

Fig. STEC – Tube End Closure (Cap) Single Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	Packing	Weight lb
1/4	S76STEC002	0.92	0.70	0.60	1/2	9/16	0.62	100	0.07
5/16	S76STEC516	0.96	0.73	0.64	9/16	5/8	0.65	100	0.1
3/8	S76STEC003	1.00	0.76	0.66	5/8	11/16	0.71	60	0.1
1/2	S76STEC004	1.14	0.86	0.90	13/16	7/8	0.74	30	0.1

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ASU

SSU

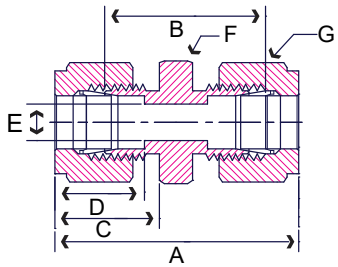

Fig. ASU – Straight Union Double Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	Packing	Weight lb
1/8	S76ASU001	1.39	0.87	0.60	0.50	0.09	7/16	7/16	100	0.08
3/16	S76ASU316	1.47	0.95	0.63	0.54	0.12	7/16	1/2	100	0.1
1/4	S76ASU002	1.60	1.02	0.70	0.60	0.19	1/2	9/16	60	0.1
5/16	S76ASU516	1.68	1.10	0.73	0.64	0.25	9/16	5/8	40	0.1
3/8	S76ASU003	1.75	1.18	0.76	0.66	0.28	5/8	11/16	40	0.1
1/2	S76ASU004	2.01	1.21	0.86	0.90	0.41	13/16	7/8	20	0.3

Fig. SSU – Straight Union Single Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	Packing	Weight lb
1/8	S76SSU001	1.39	0.87	0.60	0.50	0.09	7/16	7/16	100	0.08
3/16	S76SSU316	1.47	0.95	0.63	0.54	0.12	7/16	1/2	100	0.1
1/4	S76SSU002	1.60	1.02	0.70	0.60	0.19	1/2	9/16	60	0.1
5/16	S76SSU516	1.68	1.10	0.73	0.64	0.25	9/16	5/8	40	0.1
3/8	S76SSU003	1.75	1.18	0.76	0.66	0.28	5/8	11/16	40	0.1
1/2	S76SSU004	2.01	1.21	0.86	0.90	0.41	13/16	7/8	20	0.3
5/8	S76SSU005	2.04	1.24	0.86	0.96	0.50	15/16	1	30	0.4
3/4	S76SSU006	2.10	1.30	0.86	0.96	0.62	1-1/16	1-1/8	10	0.5
1	S76SSU010	2.54	1.58	1.04	1.23	0.88	1-3/8	1-1/2	10	0.7

ABHU

SBHU

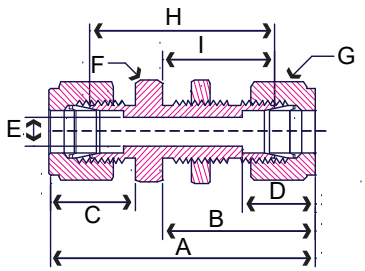

Fig. ABHU – Bulkhead Union Double Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	Packing	Weight lb
1/8	S76ABHU001	2.01	1.22	0.60	0.50	0.09	1/2	7/16	1.49	0.96	100	0.09
3/16	S76SBHU316	2.11	1.26	0.63	0.54	0.12	9/16	1/2	1.59	1.00	100	0.1
1/4	S76ABHU002	2.26	1.31	0.70	0.60	0.19	5/8	9/16	1.68	1.02	60	0.1
5/16	S76ABHU516	2.38	1.40	0.73	0.64	0.25	11/16	5/8	1.80	1.11	40	0.1
3/8	S76ABHU003	2.44	1.44	0.76	0.66	0.28	3/4	11/16	1.86	1.15	30	0.2
1/2	S76ABHU004	2.79	1.64	0.86	0.90	0.41	15/16	7/8	1.99	1.24	20	0.3

Fig. SBHU – Bulkhead Union Single Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	Packing	Weight lb
1/8	S76SBHU001	2.01	1.22	0.60	0.50	0.09	1/2	7/16	1.49	0.96	100	0.09
1/4	S76SBHU002	2.26	1.31	0.70	0.60	0.19	5/8	9/16	1.68	1.02	60	0.1
3/8	S76SBHU003	2.44	1.44	0.76	0.66	0.28	3/4	11/16	1.86	1.15	30	0.2
1/2	S76SBHU004	2.79	1.64	0.86	0.90	0.41	15/16	7/8	1.99	1.24	20	0.3
3/4	S76SBHU006	3.10	1.86	0.86	0.96	0.63	1-3/16	1-1/8	2.30	1.46	10	0.7

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AFC

SFC

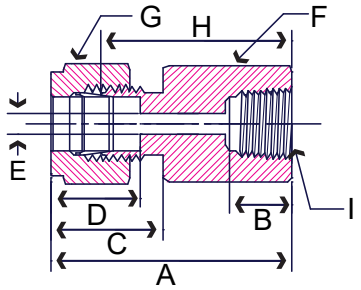

Fig. AFC – Female Connector Double Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	Packing	Weight lb
1/8 x 1/8	S76AFC001001	1.12	0.40	0.60	0.50	0.09	9/16	7/16	0.86	1/8	30	0.08
1/8 x 1/4	S76AFC001002	1.31	0.59	0.60	0.50	0.09	3/4	7/16	1.05	1/4	30	0.09
3/16 x 1/8	S76AFC316001	1.17	0.39	0.63	0.54	0.12	9/16	1/2	0.91	1/8	30	0.09
1/4 x 1/8	S76AFC002001	1.22	0.39	0.70	0.60	0.19	9/16	9/16	0.93	1/8	100	0.09
1/4 x 1/4	S76AFC002002	1.40	0.59	0.70	0.60	0.19	3/4	9/16	1.11	1/4	60	0.09
1/4 x 3/8	S76AFC002003	1.47	0.59	0.70	0.60	0.19	7/8	9/16	1.18	3/8	40	0.1
1/4 x 1/2	S76AFC002004	1.66	0.78	0.70	0.60	0.19	1-1/16	9/16	1.37	1/2	20	0.1
5/16 x 1/8	S76AFC516001	1.26	0.41	0.73	0.64	0.25	9/16	5/8	0.97	1/8	100	0.1
5/16 x 1/4	S76AFC516002	1.44	0.59	0.73	0.64	0.25	3/4	5/8	1.15	1/4	60	0.1
3/8 x 1/8	S76AFC003001	1.29	0.41	0.76	0.66	0.28	5/8	11/16	1.00	1/8	40	0.1
3/8 x 1/4	S76AFC003002	1.47	0.59	0.76	0.66	0.28	3/4	11/16	1.18	1/4	40	0.1
3/8 x 3/8	S76AFC003003	1.53	0.59	0.76	0.66	0.28	7/8	11/16	1.24	3/8	30	0.1
3/8 x 1/2	S76AFC003004	1.72	0.78	0.76	0.66	0.28	1-1/16	11/16	1.48	1/2	20	0.1
1/2 x 1/4	S76AFC004002	1.58	0.59	0.86	0.90	0.41	13/16	7/8	1.18	1/4	30	0.1
1/2 x 3/8	S76AFC004003	1.64	0.59	0.86	0.90	0.41	7/8	7/8	1.24	3/8	20	0.1
1/2 x 1/2	S76AFC004004	1.83	0.78	0.86	0.90	0.41	1-1/16	7/8	1.43	1/2	10	0.2
1/2 x 3/4	S76AFC004006	1.90	0.81	0.86	0.90	0.41	1-5/16	7/8	1.50	3/4	10	0.3

Fig. SFC – Female Connector Single Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	Packing	Weight lb
1/8 x 1/4	S76SFC001002	1.31	0.59	0.60	0.50	0.09	3/4	7/16	1.05	1/4	30	0.09
1/4 x 1/8	S76SFC002001	1.22	0.39	0.70	0.60	0.19	9/16	9/16	0.93	1/8	100	0.09
1/4 x 1/4	S76SFC002002	1.40	0.59	0.70	0.60	0.19	3/4	9/16	1.11	1/4	60	0.09
1/4 x 3/8	S76SFC002003	1.47	0.59	0.70	0.60	0.19	7/8	9/16	1.18	3/8	40	0.1
1/4 x 1/2	S76SFC002004	1.66	0.78	0.70	0.60	0.19	1-1/16	9/16	1.37	1/2	20	0.1
3/8 x 1/4	S76SFC003002	1.47	0.59	0.76	0.66	0.28	3/4	11/16	1.18	1/4	40	0.1
3/8 x 3/8	S76SFC003003	1.53	0.59	0.76	0.66	0.28	7/8	11/16	1.24	3/8	30	0.1
3/8 x 1/2	S76SFC003004	1.72	0.78	0.76	0.66	0.28	1-1/16	11/16	1.48	1/2	20	0.1
1/2 x 1/4	S76SFC004002	1.58	0.59	0.86	0.90	0.41	13/16	7/8	1.18	1/4	30	0.1
1/2 x 3/8	S76SFC004003	1.64	0.59	0.86	0.90	0.41	7/8	7/8	1.24	3/8	20	0.1
1/2 x 1/2	S76SFC004004	1.83	0.78	0.86	0.90	0.41	1-1/16	7/8	1.43	1/2	10	0.2
1/2 x 3/4	S76SFC004006	1.90	0.81	0.86	0.90	0.41	1-5/16	7/8	1.50	3/4	10	0.3
3/4 x 1/2	S76SFC006004	1.83	0.78	0.86	0.96	0.62	1-1/16	1-1/8	1.43	1/2	10	0.5
3/4 x 3/4	S76SFC006006	1.91	0.81	0.86	0.96	0.62	1-5/16	1-1/8	1.49	3/4	10	0.6
1 x 1	S76SFC010010	2.44	1.00	1.04	1.23	0.88	1-5/8	1-1/2	1.96	1	10	0.6

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AME

SME

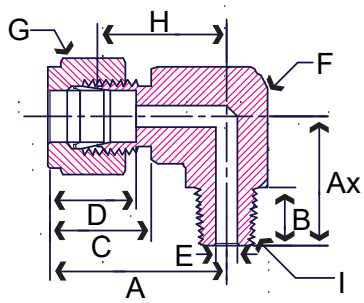

Fig. AME – Male Elbow Double Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	Packing	Weight lb
1/8 x 1/8	S76AME001001	0.92	0.38	0.60	0.50	0.09	7/16	7/16	0.66	1/8	50	0.06
1/8 x 1/4	S76AME001002	0.96	0.56	0.60	0.50	0.09	1/2	7/16	0.70	1/4	40	0.07
3/16 x 1/8	S76AME316001	1.00	0.38	0.63	0.54	0.12	1/2	1/2	0.74	1/8	40	0.08
1/4 x 1/8	S76AME002001	1.05	0.38	0.70	0.60	0.19	1/2	9/16	0.76	1/8	40	0.1
1/4 x 1/4	S76AME002002	1.05	0.56	0.70	0.60	0.19	1/2	9/16	0.76	1/4	30	0.1
1/4 x 3/8	S76AME002003	1.16	0.56	0.70	0.60	0.19	11/16	9/16	0.87	3/8	20	0.1
1/4 x 1/2	S76AME002004	1.24	0.75	0.70	0.60	0.19	13/16	9/16	0.95	1/2	20	0.1
5/16 x 1/4	S76AME516002	1.12	0.56	0.73	0.64	0.25	9/16	5/8	0.84	1/4	40	0.1
3/8 x 1/8	S76AME003001	1.20	0.38	0.76	0.66	0.19	5/8	11/16	0.91	1/8	40	0.1
3/8 x 1/4	S76AME003002	1.19	0.56	0.76	0.66	0.28	5/8	11/16	0.90	1/4	30	0.1
3/8 x 3/8	S76AME003003	1.22	0.56	0.76	0.66	0.28	11/16	11/16	0.93	3/8	20	0.2
3/8 x 1/2	S76AME003004	1.30	0.75	0.76	0.66	0.28	13/16	11/16	1.01	1/2	10	0.2
1/2 x 1/4	S76AME004002	1.41	0.56	0.86	0.90	0.28	13/16	7/8	1.01	1/4	10	0.2
1/2 x 3/8	S76AME004003	1.41	0.56	0.86	0.90	0.38	13/16	7/8	1.01	3/8	10	0.2
1/2 x 1/2	S76AME004004	1.41	0.75	0.86	0.90	0.41	13/16	7/8	1.01	1/2	10	0.3

Fig. SME – Male Elbow Single Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	Packing	Weight lb
1/8 x 1/8	S76SME001001	0.92	0.38	0.60	0.50	0.09	7/16	7/16	0.66	1/8	50	0.06
1/8 x 1/4	S76SME001002	0.96	0.56	0.60	0.50	0.09	1/2	7/16	0.70	1/4	40	0.07
1/4 x 1/8	S76SME002001	1.05	0.38	0.70	0.60	0.19	1/2	9/16	0.76	1/8	40	0.1
1/4 x 1/4	S76SME002002	1.05	0.56	0.70	0.60	0.19	1/2	9/16	0.76	1/4	30	0.1
1/4 x 3/8	S76SME002003	1.16	0.56	0.70	0.60	0.19	11/16	9/16	0.87	3/8	20	0.1
5/16 x 1/4	S76SME516002	1.12	0.56	0.73	0.64	0.25	9/16	5/8	0.84	1/4	40	0.1
3/8 x 1/8	S76SME003001	1.20	0.38	0.76	0.66	0.19	5/8	11/16	0.91	1/8	40	0.1
3/8 x 1/4	S76SME003002	1.19	0.56	0.76	0.66	0.28	5/8	11/16	0.90	1/4	30	0.1
3/8 x 3/8	S76SME003003	1.22	0.56	0.76	0.66	0.28	11/16	11/16	0.93	3/8	20	0.2
3/8 x 1/2	S76SME003004	1.30	0.75	0.76	0.66	0.28	13/16	11/16	1.01	1/2	10	0.2
1/2 x 1/4	S76SME004002	1.41	0.56	0.86	0.90	0.28	13/16	7/8	1.01	1/4	10	0.2
1/2 x 3/8	S76SME004003	1.41	0.56	0.86	0.90	0.38	13/16	7/8	1.01	3/8	10	0.2
1/2 x 1/2	S76SME004004	1.41	0.75	0.86	0.90	0.41	13/16	7/8	1.01	1/2	10	0.3
3/4 x 1/2	S76SME006004	1.56	0.75	0.86	0.96	0.47	1-1/16	1-1/8	1.16	1/2	10	0.7
3/4 x 3/4	S76SME006006	1.56	0.75	0.86	0.96	0.62	1-1/16	1-1/8	1.16	3/4	10	0.8
1 x 3/4	S76SME010006	1.92	0.75	1.04	1.23	0.62	1-3/8	1-1/2	1.44	3/4	5	1.0
1 x 1	S76SME010010	1.92	0.75	1.04	1.23	0.88	1-3/8	1-1/2	1.44	1	5	1.0

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AFE

SFE

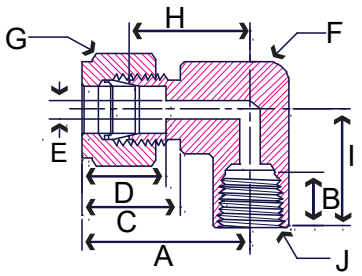

Fig. AFE – Female Elbow Double Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	Packing	Weight lb
1/8 x 1/8	S76AFE001001	0.96	0.41	0.60	0.50	0.09	1/2	7/16	0.71	0.74	1/8	40	0.09
1/8 x 1/4	S76AFE001002	1.07	0.59	0.60	0.50	0.09	11/16	7/16	0.81	0.87	1/4	30	0.1
3/16 x 1/8	S76AFE316001	1.00	0.41	0.63	0.54	0.12	1/2	1/2	0.74	0.75	1/8	40	0.1
3/16 x 1/4	S76AFE316002	1.10	0.59	0.63	0.54	0.12	3/4	1/2	0.81	0.88	1/4	30	0.1
1/4 x 1/8	S76AFE002001	1.05	0.41	0.70	0.60	0.19	1/2	9/16	0.76	0.74	1/8	40	0.1
1/4 x 1/4	S76AFE002002	1.16	0.59	0.70	0.60	0.19	11/16	9/16	0.87	0.87	1/4	30	0.2
1/4 x 3/8	S76AFE002003	1.24	0.59	0.70	0.60	0.19	13/16	9/16	0.95	0.87	3/8	30	0.3
1/4 x 1/2	S76AFE002004	1.35	0.78	0.70	0.60	0.19	1	9/16	1.06	1.11	1/2	20	0.4
5/16 x 1/4	S76AFE516002	1.19	0.59	0.73	0.64	0.25	11/16	5/8	0.90	0.87	1/4	30	0.3
3/8 x 1/8	S76AFE003001	1.20	0.41	0.76	0.66	0.28	5/8	11/16	0.91	0.75	1/8	30	0.2
3/8 x 1/4	S76AFE003002	1.22	0.59	0.76	0.66	0.28	11/16	11/16	0.93	0.87	1/4	30	0.3
3/8 x 3/8	S76AFE003003	1.30	0.59	0.76	0.66	0.28	13/16	11/16	1.01	0.87	3/8	20	0.3
3/8 x 1/2	S76AFE003004	1.41	0.78	0.76	0.66	0.28	1	11/16	1.12	1.11	1/2	20	0.3
1/2 x 1/4	S76AFE004002	1.41	0.59	0.86	0.90	0.41	13/16	7/8	1.01	0.87	1/4	10	0.3
1/2 x 3/8	S76AFE004003	1.41	0.59	0.86	0.90	0.41	13/16	7/8	1.01	0.87	3/8	10	0.4
1/2 x 1/2	S76AFE004004	1.52	0.78	0.86	0.90	0.41	1	7/8	1.12	1.11	1/2	10	0.5

Fig. SFE – Female Elbow Single Ferrule

Tube OD x NPT in	Part Number	A in	B in	C in	D in	E in	F in	G in	H in	I in	J in	Packing	Weight lb
1/4 x 1/4	S76SFE002002	1.16	0.59	0.70	0.60	0.19	11/16	9/16	0.87	0.87	1/4	30	0.2
3/8 x 1/4	S76SFE003002	1.22	0.59	0.76	0.66	0.28	11/16	11/16	0.93	0.87	1/4	30	0.3
3/8 x 3/8	S76SFE003003	1.30	0.59	0.76	0.66	0.28	13/16	11/16	1.01	0.87	3/8	20	0.3
1/2 x 1/2	S76SFE004004	1.52	0.78	0.86	0.90	0.41	1	7/8	1.12	1.11	1/2	10	0.5
3/4 x 1/2	S76SFE006004	1.56	0.78	0.86	0.96	0.62	1-1/16	1-1/8	1.16	1.11	1/2	10	0.6

Pro Pak System

Please see complete installation instructions at www.smithcooper.com for important guidelines and limitations on the use and applications of SCI compression fittings and instrumentation tubing.

AUE

SUE

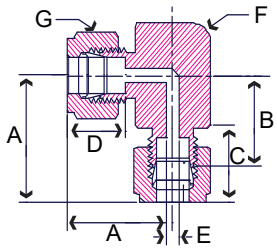

Fig. AUE – Union Elbow Double Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	Packing	Weight lb
1/8	S76AUE001	0.87	0.61	0.43	0.34	0.05	3/8	5/16	50	0.1
3/16	S76AUE316	1.00	0.74	0.63	0.54	0.12	1/2	1/2	50	0.1
1/4	S76AUE002	1.05	0.76	0.70	0.60	0.19	1/2	9/16	40	0.1
5/16	S76AUE516	1.12	0.83	0.73	0.64	0.25	9/16	5/8	30	0.2
3/8	S76AUE003	1.19	0.90	0.76	0.66	0.28	5/8	11/16	30	0.3
1/2	S76AUE004	1.41	1.01	0.86	0.90	0.41	13/16	7/8	20	0.3

Fig. SUE – Union Elbow Single Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	Packing	Weight lb
1/4	S76SUE002	1.05	0.76	0.70	0.60	0.19	1/2	9/16	40	0.1
3/8	S76SUE003	1.19	0.90	0.76	0.66	0.28	5/8	11/16	30	0.3
1/2	S76SUE004	1.41	1.01	0.86	0.90	0.41	13/16	7/8	20	0.3
5/8	S76SUE005	1.49	1.09	0.86	0.96	0.50	15/16	1	20	0.4
3/4	S76SUE006	1.56	1.16	0.86	0.96	0.62	1-1/16	1-1/8	10	0.4
1	S76SUE010	1.92	1.44	1.04	1.23	0.88	1-3/8	1-1/2	10	0.4

AUC

SUC

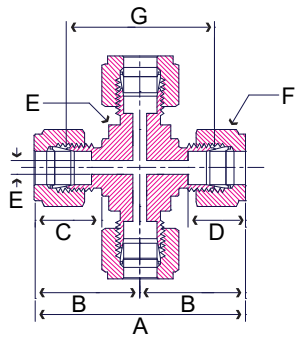

Fig. AUC – Union Cross Double Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	Packing	Weight lb
1/8	S76AUCR001	1.74	0.87	0.60	0.50	3/8	7/16	1.22	40	0.2
1/4	S76AUCR002	2.10	1.05	0.70	0.60	1/2	9/16	1.52	20	0.2
5/16	S76AUCR516	2.32	1.16	0.73	0.64	5/8	5/8	1.74	20	0.4
3/8	S76AUCR003	2.38	1.19	0.76	0.66	5/8	11/16	1.80	20	0.4
1/2	S76AUCR004	2.82	1.41	0.86	0.41	13/16	7/8	2.02	4	0.5

Fig. SUC – Union Cross Single Ferrule

Tube OD in	Part Number	A in	B in	C in	D in	E in	F in	G in	Packing	Weight lb
1/2	S76SUCR004	2.82	1.41	0.86	0.41	13/16	7/8	2.02	4	0.5

Please see complete installation instructions at www.smithcooper.com for important guidelines and limitations on the use and applications of SCI compression fittings and instrumentation tubing.

Series S76BVH & S76SBVH
316 Stainless Steel Instrumentation Ball Valve

- 1000 psi @ 200° F
- PTFE seats
- Double ferrule instrumentation tube ends - S76BVH
- Single ferrule instrumentation tube ends - S76SBVH

Tube OD in	Part Number		Packing		Weight lb
	Dbl. Ferrule	Sgl. Ferrule	Inner	Master	
1/4	S76BVH002	S76SBVH002	1	10	0.4
3/8	S76BVH003	S76SBVH003	1	10	0.4
1/2	S76BVH004	S76SBVH004	1	10	0.7
3/4	-	S76SBVH006	1	10	1.0
1	-	S76SBVH010	1	10	1.6

Series S76BVH6
316 Stainless Steel Instrumentation Ball Valve

- 6000 psi @ 200° F
- PTFE seats
- Double ferrule instrumentation tube ends

Tube OD in	Part Number	Packing		Weight lb
	Instrumentation	Inner	Master	
1/4	S76BVH6002	1	10	0.4
3/8	S76BVH6003	1	10	0.4
1/2	S76BVH6004	1	10	0.7
3/4	S76BVH6006	1	10	1.0
1	S76BVH6010	1	10	1.6

Series S76BVH3
316 Stainless Steel Instrumentation Ball Valve

- 3000 psi @ 200° F
- PTFE seats
- Double ferrule instrumentation tube ends

Tube OD in	Part Number	Packing		Weight lb
	Instrumentation	Inner	Master	
1/4	S76BVH3002	1	10	0.6
3/8	S76BVH3003	1	10	0.7
1/2	S76BVH3004	1	10	0.8
3/4	S76BVH3006	1	10	1.6
1	S76BVH3010	1	10	2.5

Series S76PCV3 & S76SPCV3
316 Stainless Steel Instrumentation Check Valve

- 3000 psi @ 200° F
- Cracking Pressure 7 psi
- PTFE seats
- Double ferrule instrumentation tube ends - S76PCV3
- Single ferrule instrumentation tube ends - S76SPCV3

Tube OD in	Part Number		Packing		Weight lb
	Dbl. Ferrule	Sgl. Ferrule	Inner	Master	
1/4	S76PCV3002	S76SPCV3002	1	10	0.3
3/8	S76PCV3003	S76SPCV3003	1	10	0.3
1/2	S76PCV3004	S76SPCV3004	1	10	0.5
3/4	-	S76SPCV3006	1	10	0.6
1	-	S76SPCV3010	1	10	1.5

Series S7166NV
316 Stainless Steel Needle Valve

- 6000 lb. CWP
- Straight pattern
- NPT threaded ends
- 0°F to 450°F

Size in	Part Number	Weight lb
	Threaded	
1/4	S7166NV002	1.0
3/8	S7166NV003	1.1
1/2	S7166NV004	1.6
3/4	S7166NV006	1.9
1	S7166NV010	3.1

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Fig. S64ST4 & S64ST6 – Seamless Instrumentation Tubing

Tube OD	Wall Thickness	Part Number		ID	Tube Length	Weight
in	in	304/L	316/L	in	ft	lb / ft
1/8	0.035	S64ST4035001	S64ST6035001	0.055	20	0.03
1/8	0.049	S64ST4049001	S64ST6049001	0.027	20	0.04
1/4	0.028	S64ST4028002	S64ST6028002	0.194	20	0.06
1/4	0.035	S64ST4035002	S64ST6035002	0.180	20	0.08
1/4	0.049	S64ST4049002	S64ST6049002	0.152	20	0.1
1/4	0.065	S64ST4065002	S64ST6065002	0.120	20	0.1
1/4	0.083	S64ST4083002	S64ST6083002	0.084	20	0.1
5/16	0.035	S64ST4035516	S64ST6035516	0.243	20	0.1
3/8	0.035	S64ST4035003	S64ST6035003	0.305	20	0.1
3/8	0.049	S64ST4049003	S64ST6049003	0.277	20	0.1
3/8	0.065	S64ST4065003	S64ST6065003	0.245	20	0.2
3/8	0.083	S64ST4083003	S64ST6083003	0.209	20	0.2
1/2	0.035	S64ST4035004	S64ST6035004	0.430	20	0.1
1/2	0.049	S64ST4049004	S64ST6049004	0.402	20	0.2
1/2	0.065	S64ST4065004	S64ST6065004	0.370	20	0.3
1/2	0.083	S64ST4083004	S64ST6083004	0.334	20	0.4
1/2	0.120	S64ST4120004	S64ST6120004	0.260	20	0.5
5/8	0.035	S64ST4035005	S64ST6035005	0.555	20	0.2
5/8	0.049	S64ST4049005	S64ST6049005	0.527	20	0.3
5/8	0.065	S64ST4065005	S64ST6065005	0.495	20	0.3
5/8	0.083	S64ST4083005	S64ST6083005	0.509	20	0.5
3/4	0.035	S64ST4035006	S64ST6035006	0.680	20	0.2
3/4	0.049	S64ST4049006	S64ST6049006	0.652	20	0.3
3/4	0.065	S64ST4065006	S64ST6065006	0.620	20	0.4
3/4	0.083	S64ST4083006	S64ST6083006	0.584	20	0.6
3/4	0.095	S64ST4095006	S64ST6095006	0.560	20	0.7
1	0.035	S64ST4035010	S64ST6035010	0.930	20	0.3
1	0.049	S64ST4049010	S64ST6049010	0.902	20	0.4
1	0.065	S64ST4065010	S64ST6065010	0.870	20	0.6
1	0.083	S64ST4083010	S64ST6083010	0.834	20	0.8
1	0.095	S64ST4095010	S64ST6095010	0.810	20	0.9
1	0.120	S64ST4120010	S64ST6120010	0.760	20	1.1
1-1/4	0.065	S64ST4065012	S64ST6065012	1.120	20	0.8

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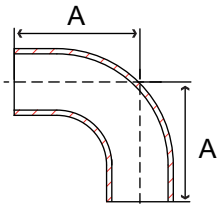
Sanitary Fittings & Tubing

Sanitary Fittings & Tubing

Specifications

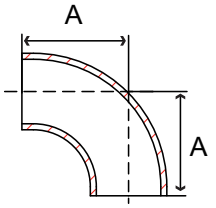
- Sanitary tubing and fittings are produced to 3-A Sanitary Standards
- Stainless steel sanitary tubing dimensions and materials conform to ASTM A269/A270
- Stainless steel plate flanges made from ASTM A240 (Plate) or cast in conformance with ASTM A351
- Independent lab verification that fittings meet applicable chemical & physical properties
- Material test reports available
- Manufacturing facility is ISO 9001:2008
- SCI logo, heat number & country of origin marked on every fitting

Fig. S77L2S4 & S77L2S6 – 90° Tube Bend (Long Radius)



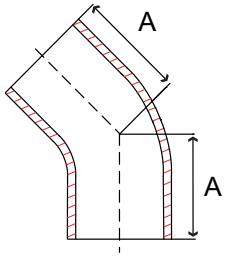
Tube OD	Part Number		A	Packing		Weight
in	304	316/L	in	Inner	Master	lb
1	S77L2S4010	S77L2S6010	2.06	36	72	0.1
1-1/2	S77L2S4014	S77L2S6014	2.94	10	20	0.4
2	S77L2S4020	S77L2S6020	4.06	4	8	0.7
2-1/2	S77L2S4024	S77L2S6024	5.19	-	5	1.2
3	S77L2S4030	S77L2S6030	6.31	-	3	1.8
4	S77L2S4040	S77L2S6040	8.31	-	10	4.2
6	S77L2S4060	S77L2S6060	12.46	-	2	5.8

Fig. S772WCL4 & S772WCL6 – 90° Tube Bend (Short Radius)



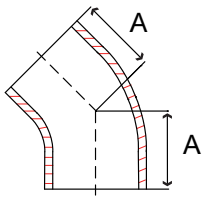
Tube OD	Part Number		A	Packing		Weight
in	304	316/L	in	Inner	Master	lb
1/2	-	S772WCL6004	1.13	200	800	0.1
3/4	-	S772WCL6006	1.13	100	400	0.2
1	S772WCL4010	S772WCL6010	1.50	50	100	0.3
1-1/2	S772WCL4014	S772WCL6014	2.25	20	40	0.4
2	S772WCL4020	S772WCL6020	3.00	6	12	0.7
2-1/2	S772WCL4024	S772WCL6024	3.75	-	12	1.1
3	S772WCL4030	S772WCL6030	4.50	-	4	1.6
4	S772WCL4040	S772WCL6040	6.00	-	18	3.5
6	S772WCL4060	S772WCL6060	9.00	-	3	8.2

Fig. S77L2KS4 & S77L2KS6 – 45° Tube Bend (Long Radius)



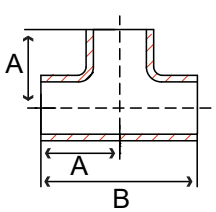
Tube OD	Part Number		A	Packing		Weight
in	304	316/L	in	Inner	Master	lb
1/2	-	S77L2KS6004	2.25	20	40	0.1
3/4	-	S77L2KS6006	2.25	15	30	0.1
1	S77L2KS4010	S77L2KS6010	1.18	60	120	0.1
1-1/2	S77L2KS4014	S77L2KS6014	1.62	20	40	0.2
2	S77L2KS4020	S77L2KS6020	2.31	6	12	0.5
2-1/2	S77L2KS4024	S77L2KS6024	3.00	4	8	0.8
3	S77L2KS4030	S77L2KS6030	3.68	2	4	1.2
4	S77L2KS4040	S77L2KS6040	4.81	-	18	2.5
6	-	S77L2KS6060	6.22	-	1	6.9

Fig. S772WK4 & S772WK6 – 45° Tube Bend (Short Radius)



Tube OD	Part Number		A	Packing		Weight
in	304	316/L	in	Inner	Master	lb
1	S772WK4010	S772WK6010	0.63	60	240	0.1
1-1/2	S772WK4014	S772WK6014	0.94	40	80	0.2
2	S772WK4020	S772WK6020	1.25	12	24	0.3
2-1/2	S772WK4024	S772WK6024	1.56	6	12	0.4
3	S772WK4030	S772WK6030	1.88	-	12	0.6
4	S772WK4040	S772WK6040	2.50	-	4	1.4
6	S772WK4060	S772WK6060	3.75	-	1	4.1

Fig. S77L7W4 & S77L7W6 – Long Tee



Tube OD	Part Number		A	B	Packing		Weight
in	304	316/L	in	in	Inner	Master	lb
1/2	-	S77L7W6004	1.87	3.75	40	160	0.1
3/4	-	S77L7W6006	2.00	4.00	15	60	0.2
1	S77L7W4010	S77L7W6010	1.87	3.75	12	48	0.3
1-1/2	S77L7W4014	S77L7W6014	2.25	4.50	6	12	0.5
2	S77L7W4020	S77L7W6020	3.00	6.00	2	8	0.9
2-1/2	S77L7W4024	S77L7W6024	3.00	6.00	-	8	1.2
3	S77L7W4030	S77L7W6030	3.25	6.50	-	6	1.5
4	S77L7W4040	S77L7W6040	3.87	7.75	-	12	2.7
6	S77L7W4060	S77L7W6060	5.63	11.25	-	4	8.4

Dimensions may change at any time due to continuous product development.

Fig. S777RW4 & S777RW6 Reducing Tee

Tube OD in	Part Number 304	Part Number 316/L	A in	B in	Packing Inner	Packing Master	Weight lb
3/4 x 1/2	-	S777RW6006004	2.13	2.13	10	40	0.1
1 x 1/2	-	S777RW6010004	2.13	2.13	5	10	0.1
1 x 3/4	-	S777RW6010006	2.13	2.13	5	10	0.2
1-1/2 x 1/2	-	S777RW6014004	2.25	2.37	-	15	0.3
1-1/2 x 3/4	-	S777RW6014006	2.25	2.37	-	15	0.3
1-1/2 x 1	S777RW4014010	S777RW6014010	1.65	1.37	-	15	0.3
2 x 1/2	-	S777RW6020004	3.00	2.38	-	10	0.6
2 x 3/4	-	S777RW6020006	3.00	2.38	-	10	0.6
2 x 1	S777RW4020010	S777RW6020010	2.06	1.63	-	8	0.6
2 x 1-1/2	S777RW4020014	S777RW6020014	2.06	1.91	-	8	0.6
2-1/2 x 1-1/2	S777RW4024014	S777RW6024014	2.34	2.16	-	8	0.6
2-1/2 x 2	S777RW4024020	S777RW6024020	2.34	2.31	-	8	0.7
3 x 1-1/2	S777RW4030014	S777RW6030014	2.59	2.41	-	6	1.0
3 x 2	S777RW4030020	S777RW6030020	2.59	2.56	-	6	1.0
3 x 2-1/2	S777RW4030024	S777RW6030024	2.59	2.59	-	6	1.0
4 x 1-1/2	S777RW4040014	S777RW6040014	3.44	2.91	-	12	2.4
4 x 2	S777RW4040020	S777RW6040020	3.44	3.06	-	12	2.4
4 x 2-1/2	S777RW4040024	S777RW6040024	3.44	3.09	-	12	2.4
4 x 3	S777RW4040030	S777RW6040030	3.44	3.09	-	12	2.4
6 x 3	S777RW4060030	S777RW6060030	6.30	4.87	-	4	4.8
6 x 4	S777RW4060040	S777RW6060040	6.30	4.87	-	4	4.8

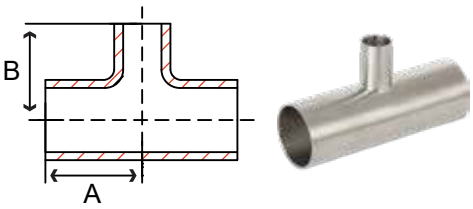


Fig. S77L31W4 & S77L31W6 – Concentric Reducer

Tube OD in	Part Number 304	Part Number 316/L	A in	Packing Inner	Packing Master	Weight lb
3/4 x 1/2	-	S77L31W6006004	1.00	50	200	0.1
1 x 3/4	-	S77L31W6010006	2.00	30	120	0.2
1-1/2 x 1	S77L31W4014010	S77L31W6014010	2.00	24	96	0.2
2 x 1	S77L31W4020010	S77L31W6020010	4.00	16	32	0.2
2 x 1-1/2	S77L31W4020014	S77L31W6020014	2.00	30	60	0.3
2-1/2 x 1-1/2	S77L31W4024014	S77L31W6024014	4.00	5	20	0.3
2-1/2 x 2	S77L31W4024020	S77L31W6024020	2.00	16	32	0.2
3 x 1	S77L31W4030010	S77L31W4030010	8.00	-	12	0.9
3 x 1-1/2	S77L31W4030014	S77L31W6030014	6.00	4	8	0.8
3 x 2	S77L31W4030020	S77L31W6030020	4.00	6	12	0.6
3 x 2-1/2	S77L31W4030024	S77L31W6030024	2.00	12	24	0.3
4 x 1-1/2	S77L31W4040014	S77L31W6040014	10.00	-	12	1.9
4 x 2	S77L31W4040020	S77L31W6040020	8.00	2	4	1.4
4 x 2-1/2	S77L31W4040024	S77L31W6040024	6.00	2	4	1.1
4 x 3	S77L31W4040030	S77L31W6040030	4.00	3	6	0.8
6 x 3	S77L31W4060030	S77L31W6060030	5.50	-	12	1.6
6 x 4	S77L31W4060040	S77L31W6060040	5.50	-	12	1.2

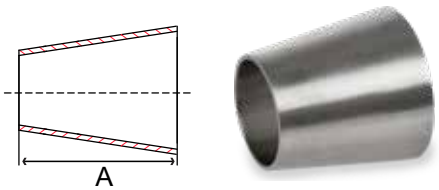


Fig. S77L32W4 & S77L32W6 – Eccentric Reducer

Tube OD in	Part Number 304	Part Number 316/L	A in	Packing Inner	Packing Master	Weight lb
1-1/2 x 1	S77L32W4014010	S77L32W6014010	2.50	24	96	0.1
2 x 1	S77L32W4020010	S77L32W6020010	2.00	9	36	0.2
2 x 1-1/2	S77L32W4020014	S77L32W6020014	2.00	10	40	0.2
2-1/2 x 1-1/2	S77L32W4024014	S77L32W6024014	4.00	5	20	0.4
2-1/2 x 2	S77L32W4024020	S77L32W6024020	2.00	5	20	0.3
3 x 1	-	S77L32W6030010	8.00	4	16	0.9
3 x 1-1/2	S77L32W4030014	S77L32W6030014	6.00	2	8	0.8
3 x 2	S77L32W4030020	S77L32W6030020	4.00	3	12	0.6
3 x 2-1/2	S77L32W4030024	S77L32W6030024	2.00	4	16	0.4
4 x 1-1/2	-	S77L32W6040014	10.00	2	4	1.8
4 x 2	S77L32W4040020	S77L32W6040020	8.00	2	4	1.5
4 x 2-1/2	S77L32W4040024	S77L32W6040024	6.00	-	6	1.3
4 x 3	S77L32W4040030	S77L32W6040030	4.00	3	6	0.9
6 x 3	-	S77L32W6060030	5.50	-	1	1.6
6 x 4	-	S77L32W6060040	5.50	-	1	1.4

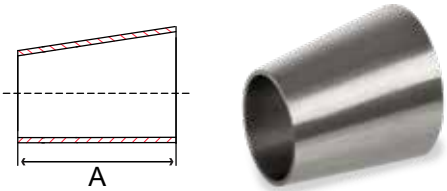
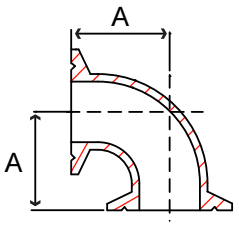
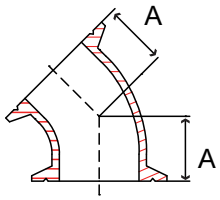


Fig. S772CMP4 & S772CMP6 – 90° Elbow



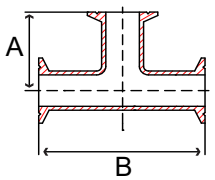
Tube OD in	Part Number 304	Part Number 316/L	A in	Packing Inner	Packing Master	Weight lb
1/2	-	S772CMP6004	1.62	25	100	0.2
3/4	-	S772CMP6006	1.62	25	100	0.2
1	S772CMP4010	S772CMP6010	2.00	12	24	0.3
1-1/2	S772CMP4014	S772CMP6014	2.75	10	20	0.4
2	S772CMP4020	S772CMP6020	3.50	4	8	0.8
2-1/2	S772CMP4024	S772CMP6024	4.25	2	4	1.0
3	S772CMP4030	S772CMP6030	5.00	-	4	2.0
4	S772CMP4040	S772CMP6040	6.62	-	8	3.6
6	S772CMP4060	S772CMP6060	9.86	-	2	3.4

Fig. S772KMP4 & S772KMP6 – 45° Elbow



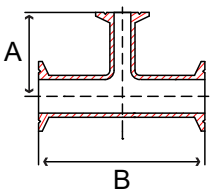
Tube OD in	Part Number 304	Part Number 316/L	A in	Packing Inner	Packing Master	Weight lb
1/2	-	S772KMP6004	0.75	10	40	0.2
3/4	-	S772KMP6006	0.97	10	40	0.2
1	S772KMP4010	S772KMP6010	1.12	15	30	0.2
1-1/2	S772KMP4014	S772KMP6014	1.43	-	30	0.3
2	S772KMP4020	S772KMP6020	1.75	-	20	0.5
2-1/2	S772KMP4024	S772KMP6024	2.06	3	6	0.6
3	S772KMP4030	S772KMP6030	2.37	-	6	1.2
4	S772KMP4040	S772KMP6040	3.12	-	12	2.2

Fig. S777MP4 & S777MP6 – Tee



Tube OD in	Part Number 304	Part Number 316/L	A in	B in	Packing Inner	Packing Master	Weight lb
1/2	-	S777MP6004	2.37	4.75	20	40	0.3
3/4	-	S777MP6006	2.50	5.00	20	40	0.3
1	S777MP4010	S777MP6010	2.37	4.75	8	16	0.3
1-1/2	S777MP4014	S777MP6014	2.75	5.50	6	12	0.4
2	S777MP4020	S777MP6020	3.50	7.00	-	6	0.8
2-1/2	S777MP4024	S777MP6024	3.50	7.00	-	5	1.0
3	S777MP4030	S777MP6030	3.75	7.50	-	2	2.0
4	S777MP4040	S777MP6040	4.50	9.00	-	9	3.6
6	S777MP4060	S777MP6060	6.50	13.00	-	4	6.9

Fig. S777RMP4 & S777RMP6 – Reducing Tee



Tube OD in	Part Number 304	Part Number 316/L	A in	B in	Packing Inner	Packing Master	Weight lb
1 x 1/2	-	S777RMP6010004	2.62	5.25	5	10	0.5
1 x 3/4	-	S777RMP6010006	2.62	5.25	5	10	0.5
1-1/2 x 1	S777RMP4014010	S777RMP6014010	2.87	5.75	6	12	0.7
2 x 1	S777RMP4020010	S777RMP6020010	2.12	5.12	3	6	1.1
2 x 1-1/2	S777RMP4020014	S777RMP6020014	2.40	5.12	4	8	1.1
2-1/2 x 1-1/2	S777RMP4024014	S777RMP6024014	3.25	7.00	2	4	1.3
2-1/2 x 2	S777RMP4024020	S777RMP6024020	2.81	5.69	2	4	1.4
3 x 1-1/2	S777RMP4030014	S777RMP6030014	2.90	6.19	-	2	1.7
3 x 2	S777RMP4030020	S777RMP6030020	3.06	6.19	-	2	1.7
3 x 2-1/2	S777RMP4030024	S777RMP6030024	3.09	6.19	-	2	1.8
4 x 1-1/2	S777RMP4040014	S777RMP6040014	3.40	8.12	-	9	3.2
4 x 2	S777RMP4040020	S777RMP6040020	3.56	8.12	-	9	3.2
4 x 2-1/2	S777RMP4040024	S777RMP6040024	3.59	8.12	-	9	3.5
4 x 3	S777RMP4040030	S777RMP6040030	3.66	8.12	-	9	3.5

Dimensions may change at any time due to continuous product development.

Fig. S773114MP4 & S773114MP6 – Concentric Reducer

Tube OD	Part Number		A	Packing		Weight
in	304	316/L	in	Inner	Master	lb
1 x 1/2	-	S773114MP610004	2.00	12	48	0.3
1 x 3/4	-	S773114MP610006	2.00	12	48	0.3
1-1/2 x 1	S773114MP414010	S773114MP614010	3.00	16	32	0.3
2 x 1	S773114MP420010	S773114MP620010	5.00	6	12	0.5
2 x 1-1/2	S773114MP420014	S773114MP620014	3.00	12	24	0.4
2-1/2 x 2	S773114MP424020	S773114MP624020	5.00	6	12	0.6
3 x 1-1/2	S773114MP430014	S773114MP630014	7.00	2	4	1.2
3 x 2	S773114MP430020	S773114MP630020	5.00	2	4	1.0
3 x 2-1/2	S773114MP430024	S773114MP630024	3.00	3	6	0.7
4 x 2	S773114MP440020	S773114MP640020	9.12	-	10	2.1
4 x 2-1/2	S773114MP440024	S773114MP640024	7.12	-	9	1.9
4 x 3	S773114MP440030	S773114MP640030	5.12	-	18	1.7

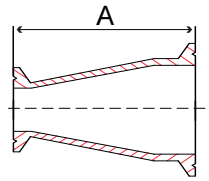


Fig. S773214MP4 & S773214MP6 – Eccentric Reducer

Tube OD	Part Number		A	Packing		Weight
in	304	316/L	in	Inner	Master	lb
2 x 1	S773214MP420010	S773214MP620010	5.00	6	12	0.4
2 x 1-1/2	S773214MP420014	S773214MP620014	3.00	6	12	0.4
2-1/2 x 1-1/2	S773214MP424014	S773214MP624014	5.00	6	12	0.5
2-1/2 x 2	S773214MP424020	S773214MP624020	3.00	6	12	0.5
3 x 1-1/2	S773214MP430014	S773214MP630014	7.00	2	4	1.2
3 x 2	S773214MP430020	S773214MP630020	5.00	3	6	1.0
3 x 2-1/2	S773214MP430024	S773214MP630024	3.00	4	8	0.7
4 x 2	S773214MP440020	S773214MP640020	9.12	-	10	2.1
4 x 2-1/2	S773214MP440024	S773214MP640024	7.12	-	15	1.9
4 x 3	S773214MP440030	S773214MP640030	5.12	-	18	1.7

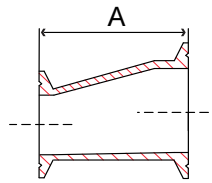


Fig. S7728AMP6 – Lateral

Tube OD	Part Number	A	B	C	Packing		Weight
in	316/L	in	in	in	Inner	Master	lb
1	S7728AMP6010	7.00	1.5	5.5	-	4	0.95
1-1/2	S7728AMP6014	8.38	1.69	6.69	-	4	1.28
2	S7728AMP6020	9.75	2.13	7.63	-	2	2.03
2-1/2	S7728AMP6024	10.75	2.26	8.51	-	1	2.51
3	S7728AMP6030	11.75	2.38	9.38	-	6	3.42
4	S7728AMP6040	14.06	2.64	11.31	-	3	6.39

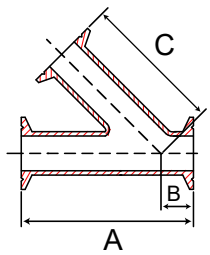
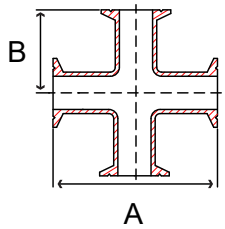


Fig. S779MP6 – Cross

Tube OD	Part Number	A	B	Packing		Weight
in	316/L	in	in	Inner	Master	lb
1	S779MP6010	4.75	2.38	-	6	0.93
1-1/2	S779MP6014	5.5	2.75	-	4	0.95
2	S779MP6020	7.00	3.50	-	2	1.59
2-1/2	S779MP6024	7.50	3.75	-	1	1.85
3	S779MP6030	7.50	3.75	-	1	2.34
4	S779MP6040	9.00	4.50	-	1	4.32



Dimensions may change at any time due to continuous product development.

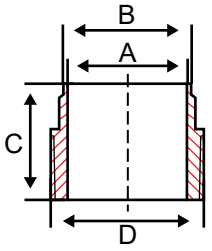


Fig. S7719WB4 - Weld x Male NPT Adapter

Tube OD in	Part Number 304	A in	B in	C in	D in	Packing Inner	Packing Master	Weight lb
1	S7719WB4010	0.87	1.00	1.75	1.00	40	80	0.2
1-1/2	S7719WB4014	1.37	1.50	1.75	1.50	20	40	0.2
2	S7719WB4020	1.87	2.00	1.81	2.00	12	24	0.3
2-1/2	S7719WB4024	2.37	2.50	2.31	2.50	5	10	1.0
3	S7719WB4030	2.87	3.00	2.50	3.00	2	4	1.7
4	S7719WB4040	3.83	4.00	2.56	4.00	-	5	2.5

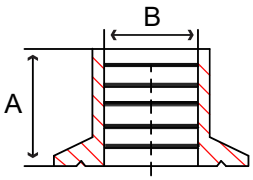


Fig. S7714RMP4 & S7714RMP6 – Recessless Ferrule (Roll-On)

Tube OD in	Part Number 304	Part Number 316/L	A in	B in	Packing Inner	Packing Master	Weight lb
1	S7714RMP4010	S7714RMP6010	0.75	1.00	25	100	0.1
1-1/2	S7714RMP4014	S7714RMP6014	1.12	1.50	20	80	0.1
2	S7714RMP4020	S7714RMP6020	1.31	2.00	9	36	0.2
2-1/2	S7714RMP4024	S7714RMP6024	1.37	2.50	12	24	0.3
3	S7714RMP4030	S7714RMP6030	1.43	3.00	6	12	0.4
4	S7714RMP4040	S7714RMP6040	1.50	4.00	4	8	0.7

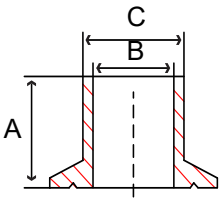


Fig. S77L14AM74 & S77L14AM76 – Long-Weld Ferrule

Tube OD in	Part Number 304	Part Number 316/L	A in	B in	C in	Packing Inner	Packing Master	Weight lb
1/2	-	S77L14AM76004	1.12	0.37	0.50	50	200	0.1
3/4	-	S77L14AM76006	1.12	0.62	0.75	50	200	0.1
1	S77L14AM74010	S77L14AM76010	1.12	0.87	1.00	20	80	0.2
1-1/2	S77L14AM74014	S77L14AM76014	1.12	1.37	1.50	20	80	0.2
2	S77L14AM74020	S77L14AM76020	1.12	1.87	2.00	9	36	0.2
2-1/2	S77L14AM74024	S77L14AM76024	1.12	2.37	2.50	6	24	0.3
3	S77L14AM74030	S77L14AM76030	1.12	2.87	3.00	10	20	0.3
4	S77L14AM74040	S77L14AM76040	1.12	3.83	4.00	6	12	0.5
6	S77L14AM74060	-	1.12	5.78	6.00	-	8	1.1
8	S77L14AM74080	-	1.12	7.78	8.00	-	4	1.8

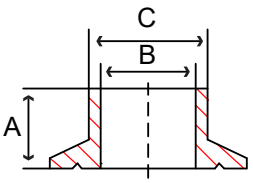


Fig. S7714WMP4 & S7714WMP6 – Short-Weld Ferrule

Tube OD in	Part Number 304	Part Number 316/L	A in	B in	C in	Packing Inner	Packing Master	Weight lb
1/2	-	S7714WMP6004	0.50	0.37	0.50	100	400	0.1
3/4	-	S7714WMP6006	0.50	0.62	0.75	100	400	0.1
1	S7714WMP4010	S7714WMP6010	0.50	0.87	1.00	40	160	0.1
1-1/2	S7714WMP4014	S7714WMP6014	0.50	1.37	1.50	80	160	0.2
2	S7714WMP4020	S7714WMP6020	0.50	1.87	2.00	60	120	0.2
2-1/2	S7714WMP4024	S7714WMP6024	0.50	2.37	2.50	40	80	0.3
3	S7714WMP4030	S7714WMP6030	0.50	2.87	3.00	20	40	0.3
4	S7714WMP4040	S7714WMP6040	0.62	3.83	4.00	12	24	0.4
6	S7714WMP4060	-	0.88	5.78	6.00	-	10	0.5

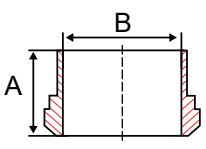


Fig. S7714A4 - Long Plain Bevel Seat Ferrule

Tube OD in	Part Number 304	A in	B in	Packing Inner	Packing Master	Weight lb
1-1/2	S7714A4014	1.50	1.37	16	64	0.3
2	S7714A4020	1.50	1.87	20	40	0.4
3	S7714A4030	1.75	2.87	6	12	0.6

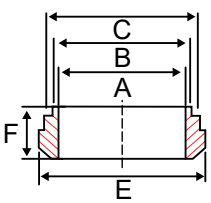


Fig. S7714PRF4 - Short Plain Bevel Seat Ferrule

Tube OD in	Part Number 304	A in	B in	C in	E in	F in	Packing Inner	Packing Master	Weight lb
1-1/2	S7714PRF4014	1.37	1.50	1.67	1.84	0.72	24	96	0.2
2	S7714PRF4020	1.87	2.00	2.19	2.37	0.75	30	60	0.3
3	S7714PRF4030	2.87	3.00	3.22	3.43	0.90	12	24	0.5

Dimensions may change at any time due to continuous product development.

Fig. S7715TRF4 - Short Threaded Bevel Seat Ferrule

Tube OD in	Part Number 304	A in	B in	C in	D in	Packing Inner	Packing Master	Weight lb
1-1/2	S7715TRF4014	1.37	1.50	2.00	0.72	12	48	0.2
2	S7715TRF4020	1.87	2.00	2.50	0.75	10	40	0.3
3	S7715TRF4030	2.87	3.00	3.50	0.90	12	24	0.7

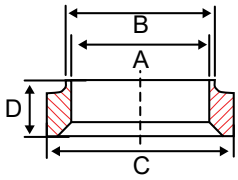


Fig. S7715A4 - Long Thread Bevel Seat Ferrule

Tube OD in	Part Number 304	A in	B in	Packing Inner	Packing Master	Weight lb
1-1/2	S7715A4014	1.50	1.37	10	40	0.3
2	S7715A4020	1.50	1.87	12	24	0.4
3	S7715A4030	1.75	2.87	6	12	0.8

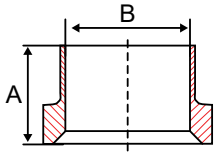


Fig. S7713H4 - Bevel Seat Hex Nut

Tube OD in	Part Number 304	A in	B in	C in	D in	Packing Inner	Packing Master	Weight lb
1-1/2	S7713H4014	1.70	2.00	2.40	0.97	-	50	0.5
2	S7713H4020	2.20	2.50	3.00	1.06	20	40	0.8
3	S7713H4030	3.25	3.62	4.19	1.28	-	20	1.9

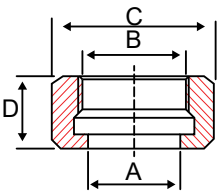


Fig. S7714WLMP4 - Tank Welding Ferrules (light duty)

Tube OD in	Part Number 304	A in	B in	C in	D in	Packing Inner	Packing Master	Weight lb
1-1/2	S7714WLMP4014	1.37	1.50	2.00	3.00	12	48	0.3
2	S7714WLMP4020	1.87	2.00	2.52	3.00	6	24	0.4
3	S7714WLMP4030	2.87	3.00	3.58	4.00	6	12	0.6

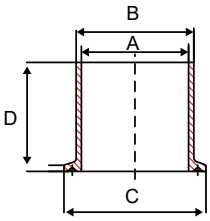


Fig. S7714MPW6 - Heavy Tank Weld Ferrule

Tube OD in	Part Number 316/L	A in	B in	C in	D in	Packing Inner	Packing Master	Weight lb
1-1/2	S7714MPW6014	1.37	1.68	2.00	1.63	12	48	0.3
2	S7714MPW6020	1.87	2.19	2.52	1.75	6	24	0.4
3	S7714MPW6030	2.87	3.22	3.58	1.82	6	12	0.6

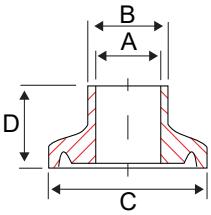


Fig. S7714MPHR4 - Rubber Hose Adapter

Tube OD in	Part Number 304/304L	A in	B in	C in	D in	Packing Inner	Packing Master	Weight lb
1	S7714MPHR4010	0.81	1.00	1.99	1.69	12	48	0.2
1-1/2	S7714MPHR4014	1.31	1.50	1.99	1.69	12	48	0.2
2	S7714MPHR4020	1.81	2.00	2.52	2.31	4	16	0.4
2-1/2	S7714MPHR4024	2.31	2.50	3.05	2.34	6	12	0.5
3	S7714MPHR4030	2.81	3.00	3.58	3.09	4	8	0.7
4	S7714MPHR4040	3.81	4.00	4.68	3.41	2	4	1.2

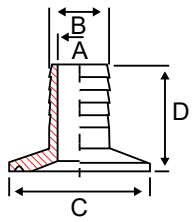


Fig. S7714MPHT6 - Tygon® Hose Adapter

Tube OD in	Part Number 316/316L	A in	B in	C in	D in	Packing Inner	Packing Master	Weight lb
1	S7714MPHT6010	0.81	1.00	1.99	4.50	12	48	0.2
1-1/2	S7714MPHT6014	1.31	1.50	1.99	4.50	12	48	0.2
2	S7714MPHT6020	1.81	2.00	2.52	4.50	4	16	0.4

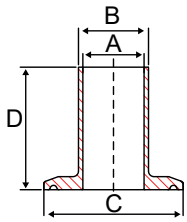
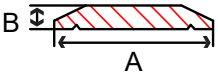


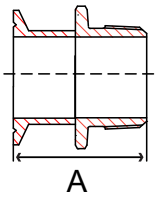
Fig. S7716AMP4 & S7716AMP6 – Solid End Cap

Tube OD in	Part Number 304	Part Number 316/L	A in	B in	Packing Inner	Packing Master	Weight lb
1/2 & 3/4	-	S7716AMP6006	0.98	0.18	70	280	0.1
1 &1-1/2	S7716AMP4014	S7716AMP6014	1.98	0.25	160	320	0.2
2	S7716AMP4020	S7716AMP6020	2.51	0.25	30	120	0.3
2-1/2	S7716AMP4024	S7716AMP6024	3.04	0.25	20	80	0.4
3	S7716AMP4030	S7716AMP6030	3.57	0.25	20	40	0.9
4	S7716AMP4040	S7716AMP6040	4.68	0.31	10	20	1.2
6	S7716AMP4060	-	6.55	0.35	-	10	1.5



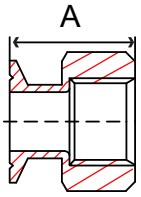
Dimensions may change at any time due to continuous product development.

Fig. S7721MP4 & S7721MP6 – Male Adapter



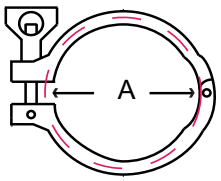
Tube OD x MNPT	Part Number 304	Part Number 316/L	A in	Packing Inner	Packing Master	Weight lb
1 x 3/4	S7721MP4010006	S7721MP6010006	2.19	10	40	0.8
1 x 1	S7721MP4010010	S7721MP6010010	2.25	10	40	0.8
1-1/2 x 1	S7721MP4014010	S7721MP6014010	2.44	10	20	0.9
1-1/2 x 1-1/2	S7721MP4014014	S7721MP6014014	2.25	10	20	0.9
1-1/2 x 2	S7721MP4014020	S7721MP6014020	2.62	10	20	1.6
2 x 2	S7721MP4020020	S7721MP6020020	2.64	6	12	1.4
2 x 1-1/2	S7721MP4020014	S7721MP6020014	2.63	12	24	1.2
3 x 1-1/2	S7721MP4030014	S7721MP6030014	3.00	3	6	2.3
3 x 2	S7721MP4030020	S7721MP6030020	3.00	3	6	2.3
3 x 2-1/2	S7721MP4030024	S7721MP6030024	3.00	-	4	2.4
3 x 3	S7721MP4030030	S7721MP6030030	3.00	-	4	2.4
4 x 3	S7721MP4040030	S7721MP6040030	3.30	-	4	3.4
4 x 4	S7721MP4040040	S7721MP6040040	3.16	-	5	3.5

Fig. S7722MP4 & S7722MP6 – Female Adapter



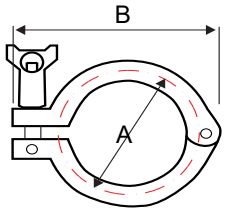
Tube OD x FNPT	Part Number 304	Part Number 316/L	A in	Packing Inner	Packing Master	Weight lb
1 x 3/4	S7722MP4010006	S7722MP6010006	1.63	8	32	0.6
1 x 1	S7722MP4010010	S7722MP6010010	1.63	8	32	0.7
1-1/2 x 1	S7722MP4014010	S7722MP6014010	2.25	16	32	1.0
1-1/2 x 1-1/2	S7722MP4014014	S7722MP6014014	2.25	16	32	1.0
1-1/2 x 2	S7722MP4014020	S7722MP6014020	2.25	16	32	1.2
2 x 1-1/2	S7722MP4020014	S7722MP6020014	2.35	6	12	1.3
2 x 2	S7722MP4020020	S7722MP6020020	2.40	6	12	1.3
3 x 1-1/2	S7722MP4030014	S7722MP6030014	2.19	2	4	2.5
3 x 2	S7722MP4030020	S7722MP6030020	2.19	2	4	2.6
3 x 2-1/2	S7722MP4030024	S7722MP6030024	2.19	2	4	2.6
3 x 3	S7722MP4030030	S7722MP6030030	2.19	2	4	2.7
4 x 3	S7722MP4040030	S7722MP6040030	2.19	-	5	5.0
4 x 4	S7722MP4040040	S7722MP6040040	2.62	-	5	5.0

Fig. S7713MHHM4 – Heavy Duty Clamp



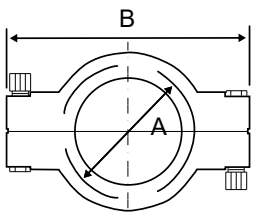
Tube OD in	Part Number 304	A in	Packing Inner	Packing Master	Weight lb
1/2 & 3/4	S7713MHHM4006N	1.10	20	80	0.2
1 & 1-1/2	S7713MHHM4014N	2.12	12	48	0.6
2	S7713MHHM4020N	2.65	10	40	0.7
2-1/2	S7713MHHM4024N	3.18	8	32	0.8
3	S7713MHHM4030N	3.71	6	24	1.0
4	S7713MHHM4040N	4.82	6	12	1.2
6	S7713MHHM4060N	6.69	-	15	3.7
8	S7713MHHM4080N	8.66	-	10	3.1

Fig. S7713IS4 - Heavy Duty I-line Clamp



Tube OD in	Part Number 304	A in	B in	Packing Inner	Packing Master	Weight lb
1 & 1-1/2	S7713IS4014	2.10	3.30	12	48	0.5
2	S7713IS4020	2.65	4.37	10	40	0.8
2-1/2	S7713IS4024	3.50	4.89	-	28	0.9
3	S7713IS4030	4.03	5.36	15	30	1.9
4	S7713IS4040	5.00	5.76	5	10	2.0

Fig. S7713MHP4 - High Pressure Clamp



Tube OD in	Part Number 304	A in	B in	Packing Inner	Packing Master	Weight lb
1/2 & 3/4	S7713MHP4006	1.10	2.93	20	80	0.8
1 & 1-1/2	S7713MHP4014	1.71	3.73	30	60	1.0
2	S7713MHP4020	2.22	4.36	15	30	1.2
2.5	S7713MHP4024	2.74	4.93	15	30	1.3
3	S7713MHP4030	3.40	5.47	-	25	1.5
4	S7713MHP4040	4.40	6.50	-	20	1.8
6	S7713MHP4060	6.33	8.50	-	10	2.8

Fig. S7714WI4 - Male I-line Short Weld Ferrule

Tube OD in	Part Number 304	A in	B in	C in	D in	E in	Packing Inner	Packing Master	Weight lb
1-1/2	S7714WI4014	1.37	1.51	1.74	1.99	0.94	24	96	0.2
2	S7714WI4020	1.87	2.01	2.24	2.64	1.03	20	40	0.3
3	S7714WI4030	2.87	3.01	3.30	3.87	1.22	10	20	0.7
4	S7714WI4040	3.93	4.01	4.30	4.87	1.35	5	10	1.0

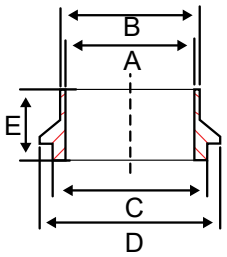


Fig. S7715WI4 - Female I-line Short Weld Ferrule

Tube OD in	Part Number 304	A in	B in	C in	D in	E in	Packing Inner	Packing Master	Weight lb
1-1/2	S7715WI4014	1.37	1.51	1.99	1.76	0.94	30	120	0.2
2	S7715WI4020	1.87	2.01	2.64	2.26	1.03	30	60	0.4
3	S7715WI4030	2.87	3.01	3.87	3.31	1.22	12	24	0.7
4	S7715WI4040	3.93	4.01	4.87	4.32	1.35	6	12	1.2

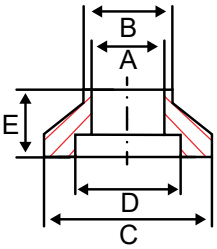


Fig. S7740IE, S7740IT & S7740IH – Gasket, I-line

Size in	EPDM Gasket* Part Number -55°F to 275°F	PTFE Gasket Part Number -40°F to 450°F	BUNA-N Gasket Part Number -30°F to 200°F
1	S7740IE010	S7740IT010	S7740IH010
1-1/2	S7740IE014	S7740IT014	S7740IH014
2	S7740IE020	S7740IT020	S7740IH020
2-1/2	S7740IE024	S7740IT024	S7740IH024
3	S7740IE030	S7740IT030	S7740IH030
4	S7740IE040	S7740IT040	S7740IH040

Fig. S7714HRI4 - Male I-line Rubber Hose Adapter

Tube OD in	Part Number 304	A in	B in	C in	D in	E in	Packing Inner	Packing Master	Weight lb
1	S7714HRI4010	0.81	1	2.00	1.24	2.01	12	48	0.31
1-1/2	S7714HRI4014	1.31	1.5	2.00	1.74	2.13	12	48	0.31
2	S7714HRI4020	1.81	2	2.64	2.24	2.32	12	24	0.51
2-1/2	S7714HRI4024	2.31	2.5	3.31	2.74	2.75	2	8	0.82
3	S7714HRI4030	2.81	3	3.87	3.30	3.00	4	8	1.06
4	S7714HRI4040	3.81	4	4.87	4.30	4.00	2	4	1.9

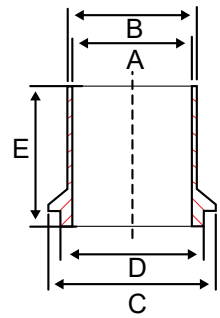
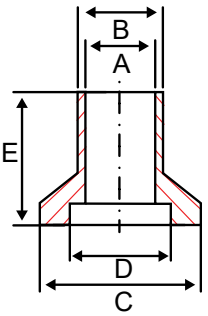


Fig. S7715HRI4 - Female I-line Rubber Hose Adapter

Tube OD in	Part Number 304	A in	B in	C in	D in	E in	Packing Inner	Packing Master	Weight lb
1	S7715HRI4010	0.81	1	2.00	1.26	4.06	4	16	0.55
1-1/2	S7715HRI4014	1.31	1.5	2.00	1.76	4.28	4	16	0.55
2	S7715HRI4020	1.81	2	2.64	2.26	4.06	6	12	0.88
2-1/2	S7715HRI4024	2.31	2.5	3.31	2.76	4.81	3	6	1.37
3	S7715HRI4030	2.81	3	3.87	3.32	5.06	2	4	1.74
4	S7715HRI4040	3.81	4	4.87	4.32	4.19	-	6	1.9



Pressure Ratings for Sanitary Clamps

Size OD (in)	HEAVY DUTY 13MHHM (psi) @70°F	HEAVY DUTY 13MHHM (psi) @250°F	HIGH PRESSURE 13MHP (psi) @70°F	HIGH PRESSURE 13MHP (psi) @250°F	HEAVY DUTY I-LINE 13IS (psi) @70°F	HEAVY DUTY I-LINE 13IS (psi) @250°F
1/2"	1500	1200	1500	1200		
3/4"	1500	1200	1500	1200		
1"	500	250	1500	1200	700	250
1-1/2"	500	250	1500	1200	700	250
2"	450	250	1000	800	450	250
2-1/2"	400	200	1000	800	450	200
3"	350	150	1000	800	350	150
4"	200	125	1000	800	200	125
6"	200	125	200	200	150	100
8"	180	100				

EPDM & Buna-N

PTFE

Fig. S7740MPE, S7740MPG & S7740MPU – Gaskets, Clamp End

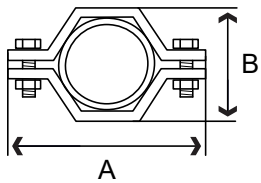
Size in	EPDM Gasket* Part Number -55°F to 275°F	PTFE Gasket Part Number -40°F to 450°F	BUNA-N Gasket Part Number -30°F to 200°F
1/2	S7740MPE004	S7740MPG004	S7740MPU004
3/4	S7740MPE006	S7740MPG006	S7740MPU006
1	S7740MPE010	S7740MPG010	S7740MPU010
1-1/2	S7740MPE014	S7740MPG014	S7740MPU014
2	S7740MPE020	S7740MPG020	S7740MPU020
2-1/2	S7740MPE024	S7740MPG024	S7740MPU024
3	S7740MPE030	S7740MPG030	S7740MPU030
4	S7740MPE040	S7740MPG040	S7740MPU040
6	S7740MPE060	S7740MPG060	S7740MPU060

***Do not use with any hydrocarbons.**

Gasket Material Properties

PROPERTIES	BUNA-N	PTFE®	VITON®	SILICON	EPDM
TEMPERATURE RANGE	-65°F TO 200°F	-40°F TO 450°F	-20°F TO 400°F	-80°F TO 450°F	-55°F TO 275°F
ACID RESISTANCE	GOOD	EXCELLENT	GOOD	GOOD	GOOD/ EXCELLENT
ALKALI RESISTANCE	GOOD	EXCELLENT	POOR/ GOOD	POOR/FAIR	GOOD/ EXCELLENT
ABRASION RESISTANCE	EXCELLENT	EXCELLENT	GOOD	GOOD/ EXCELLENT	GOOD/ EXCELLENT
COMPRESSION SET	GOOD	COLD FLOWS	GOOD/ EXCELLENT	GOOD/ EXCELLENT	FAIR

S77TH4P4



S77TH4R4

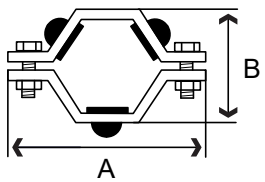
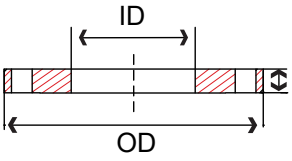


Fig. S77TH4P4 – Hanger with Sleeves
Fig. S77TH4R4 – Hanger with Grommets

Tube OD in	Part Number w/ Sleeves	Part Number w/ Grommets	A in	B in	Weight lb
1	S77TH4P4010	S77TH4R4010	3.42	1.45	0.4
1-1/2	S77TH4P4014	S77TH4R4014	4.00	2.12	0.5
2	S77TH4P4020	S77TH4R4020	4.50	2.50	0.5
2-1/2	S77TH4P4024	S77TH4R4024	4.75	3.12	0.6
3	S77TH4P4030	S77TH4R4030	5.50	3.75	0.7
4	S77TH4P4040	S77TH4R4040	6.75	4.75	0.9
6	S77TH4P4060	S77TH4R4060	8.00	5.75	1.9



Tube Plate Flanges

Tube OD Size in	Part Numbers 304/304L	Part Numbers 316/316L	Thickness (T)	Outside Diameter (OD)	Inside Diameter (ID)	Number of Bolt Holes	Bolt Hole Diameter in	Bolt Circle in	Weight lb
1	S1414SOTP010	S1416SOTP010	0.500	4.25	1.06	4	0.625	3.12	1.7
1-1/2	S1414SOTP014	S1416SOTP014	0.500	5.00	1.56	4	0.625	3.88	2.3
2	S1414SOTP020	S1416SOTP020	0.500	6.00	2.06	4	0.75	4.75	3.2
2-1/2	S1414SOTP024	S1416SOTP024	0.500	7.00	2.56	4	0.75	5.50	4.5
3	S1414SOTP030	S1416SOTP030	0.500	7.50	3.06	4	0.75	6.00	4.8
4	S1414SOTP040	S1416SOTP040	0.500	9.00	4.06	8	0.75	7.50	6.5
6	S1414SOTP060	S1416SOTP060	0.500	11.00	6.06	8	0.875	9.50	8.2

Fig. S62TP4 & S62TP6 – Sanitary Tubing

Tube OD in	Part Number		Wall Thickness in	I.D. in	Tube Length ft	Weight lb / ft
	304/304L	316/316L				
1/2	S62TP46004	S62TP66004	0.065	0.370	20	0.3
3/4	S62TP46006	S62TP66006	0.065	0.620	20	0.5
1	S62TP46010	S62TP66010	0.065	0.870	20	0.6
1-1/2	S62TP46014	S62TP66014	0.065	1.370	20	0.9
2	S62TP46020	S62TP66020	0.065	1.870	20	1.3
2-1/2	S62TP46024	S62TP66024	0.065	2.370	20	1.6
3	S62TP46030	S62TP66030	0.065	2.870	20	2.0
4	S62TP48040	S62TP68040	0.083	3.834	20	3.4
6	S62TP49060	S62TP69060	0.109	5.782	20	5.3

Series S7745MP6 Check Valve, Sight-glass Clamp End, Series 77

Series S7745MP6
316 Stainless Steel - Sanitary Clamp End Check Valve
- 150 psi CWP ambient
- All wetted parts approved for use in food processing
- All wetted parts polished to 180 grit

Tube OD in	Part Number Instrumentation	Weight lb
1-1/2	S7745MP6014	2.3
2	S7745MP6020	3.5
3	S7745MP6030	5.9
4	S7745MP6040	9.4

Fig. S7754MP6
316 Stainless Steel Sanitary Sight Glass
- 150 psi CWP ambient
- 3A clamp ends
- White Silicone

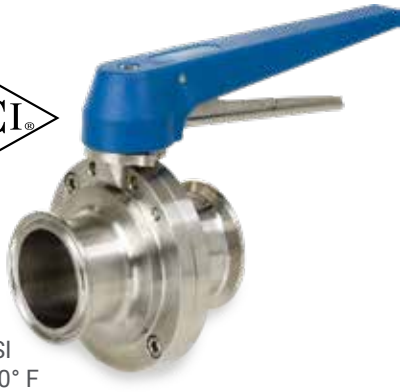
Tube OD in	Part Number 316/L	Packing Inner	Packing Master	Weight lb
1	S7754MP6010	-	1	2.8
1-1/2	S7754MP6014	-	1	2.4
2	S7754MP6020	-	1	2.5
3	S7754MP6030	-	1	4.4
4	S7754MP6040	-	1	7.0

Fig. S7754BMPSK
Sight Glass Seal
- White Silicone

Tube OD in	Part Number 316/L	Packing Inner	Packing Master	Weight lb
1	S7754BMPSK010	-	1	0.01
1-1/2	S7754BMPSK014	-	1	0.01
2	S7754BMPSK020	-	1	0.01
3	S7754BMPSK030	-	1	0.01
4	S7754BMPSK040	-	1	0.01

Fig. S7754GP – Sight Glass Replacement Glass

Tube OD in	Part Number 316/L	Packing Inner	Packing Master	Weight lb
1	S7754GP010	1	4	0.16
1-1/2	S7754GP014	2	8	0.30
2	S7754GP020	4	16	0.42
3	S7754GP030	6	24	0.59
4	S7754GP040	1	32	0.85

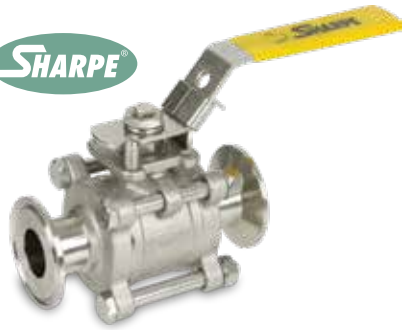


Series 77
Butterfly Valve
- Tube Full Port
- Size 1” to 6”
- 304 Stainless Steel
- Clamp Ends
- Pressure up to 150 PSI
- Temperature up to 200° F
- Stainless steel precision milled body
- Available seat material: EPDM, Silicone, Viton
- SCI logo, material grade, size, heat number and country of origin engraved on each valve body
- Disc fully machined and polished
- Pull handle 4 position, blue 11 position handle, stainless steel 11 position handle
- Hygienic seating design

Series 66
with Tank Bottom Pad
- 1/2” to 4”
- 316L stainless steel
- Tube full port
- Blow out proof stem
- High cycle stem packing
- Variety of seats and seals
- 3-Piece design
- Integral ISO mounting pad
- Locking device
- Encapsulated body bolts

Series N66
Sanitary Ball Valve

- 316 stainless steel
- Tube port
- Three-piece design
- High cycle stem
- Hygienic seating
- ISO 5211 mounting pad
- Locking device
- Encapsulated body seal



Size in	Part Number Clamp Ends	Weight lb
1/2	SVN6666MTCE004	1.2
3/4	SVN6666MTCE006	2.0
1	SVN6666MTCE010	3.0
1-1/2	SVN6666MTCE014	6.0
2	SVN6666MTCE020	9.2
2-1/2	SVN6666MTCE024	12.1
3	SVN6666MTCE030	16.2
4	SVN6666MTCE040	18.9

Part number listed is for configuration listed on this page with clamp ends. A full listing of configurations can be found at www.sharpevalves.com

Series 66
Sanitary Ball Valve

- 316L stainless steel
- Tube port
- Three-piece design
- High cycle stem
- Hygienic seating
- ISO 5211 mounting pad
- Locking device
- Encapsulated body seal

Size in	Part Number Clamp Ends	Weight lb
1/2	SV6666MTCE004	1.2
3/4	SV6666MTCE006	2.0
1	SV6666MTCE010	3.0
1-1/2	SV6666MTCE014	6.0
2	SV6666MTCE020	9.2
2-1/2	SV6666MTCE024	12.1
3	SV6666MTCE030	16.2
4	SV6666MTCE040	18.9

Part number listed is for configuration listed on this page with clamp ends. A full listing of configurations and flow plans can be found at www.sharpevalves.com

Series 75
Sanitary 3 & 4 Way Ball Valve

- Tube Full Port
- Size 1/4" to 2"
- Available in 316L Stainless Steel
- Ends: NPT, SW
- Pressure up to 1000 PSI*
- Temperature up to 450° F*
- ISO 5211 Mounting Pad
- TFM Seats
- 4-Seat Design
- "L" or "T" Port Balls
- 10 Different Flow Configurations
- Direct Mount Design
- Lockable Lever Handle Standard
- Extended or Oval Handle Optional
- Live Loaded Stem Packing
- Blowout Proof Stem

Series D88
Diverter Ball Valve

- 1/2" to 4"
- 316L stainless steel
- Tube full port
- Variety of seats, seals and aseptic end connections
- 3-Piece design
- ASME/BPE - 2009 compliant
- ISO 5211 Mounting Pad
- Locking device
- Encapsulated body bolts

Grooved Couplings, Fittings & Valves

QUALITY

- Manufacturing facility is ISO 9001:2008
- Quality inspections both at the overseas factory and our USA warehouses
- UL Listed & FM Approved – sizes up to 12"

SERVICE

- Dedicated COOPLOK™ customer service staff
- Timely shipment of orders
- Emailed or Faxed confirmation of every order
- Excellent fill rate
- ProPak™ System makes products easier to handle and warehouse

TRACEABILITY

- The SCI logo is on all fittings, couplings, bolts, and gaskets
- Canadian Registration Number (CRN) available at www.smithcooper.com (does not include fabricated fittings)

AVAILABILITY

- Stocked in orange paint or hot dipped galvanized
- Stocked throughout the USA – sizes 1" to 24"

PROTECTION

- USA engineering staff available
- $25,000,000 product liability insurance

Housing	• Ductile Iron conforming to ASTM A-536, Grade 65-45-12
Coatings	• Orange paint • Hot dipped galvanized conforming to ASTM A-153
Hardware	• Electroplated track bolts conforming to ASTM A-183 with a minimum tensile strength of 110,000 psi • 100% magnetic particle inspection of each bolt
Gaskets	• Grade E - EPDM (green stripe): Temperature Range: -30°F (-34°C) to +230°F (+110°C) • Grade T - Nitrile (orange stripe): Temperature Range: -20°F (-29°C) to +180°F (+82°C) • Grade O - Fluoroelastomer (blue stripe): Temperature Range: +20°F (-6°C) to +300°F (+149°C)
Grooves	• Dimensions to AWWA C-606
For Use With	• IPS Carbon & Stainless Steel Pipe

Please see complete installation instructions at www.smithcooper.com for important guidelines and limitations on the use and applications of SCI COOPLOK™ Grooved Couplings and Fittings.

Standard Weight Flexible Couplings

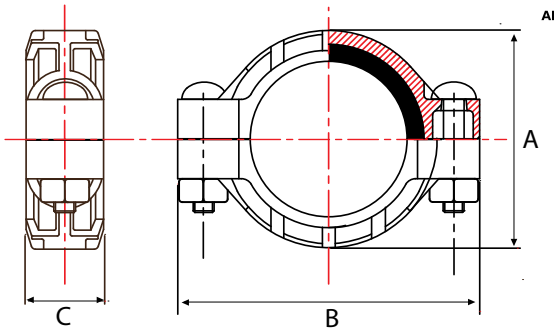
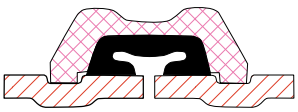


Fig. 65SF & 66SF
Standard Weight Flexible Coupling with "C" Gasket

- Maximum working pressure depending on coupling size and schedule of pipe:
  1" to 6" - 1000 psi (68.9 bar)
  8" to 12" - 800 psi (55.1 bar)
  14" to 20" - 300 psi (20.6 bar)
  24" - 250 psi (17.2 bar)
- UL Listed & FM Approved – 1" thru 12"
- All housings, gaskets and bolts identified by SCI logo
- Gasket Grade E - EPDM (green stripe) -30˚F (-34˚C) to +230˚F (+110˚C)
- Gasket Grade T - Nitrile (orange stripe) -20˚F (-29˚C) to +180˚F (+82˚C)
- Gasket Grade O - Fluoroelastomer (blue stripe) +20°F (-6°C) to +300°F (+149°C)
- Ductile iron housings conform to ASTM A-536 Grade 65-45-12
- Groove dimensions to AWWA C-606
- Finishes: Orange enamel paint
  Hot dipped galvanized conforming to ASTM A-153
- Smith-Cooper Warranty only applies to assemblies made with housings, gaskets and bolts carrying the SCI logo



"C" Style Gasket

Pipe Size in / *mm*	Part Number Painted	Part Number Galvanized	Pipe OD in / *mm*	Max Pipe End Gap in / *mm*	Dimensions A in / *mm*	Dimensions B in / *mm*	Dimensions C in / *mm*	Deflection Degrees	Number of Sections	Case Qty	Weight lb / *kg*
1 *25*	65SF3010	66SF3010	1.315 *33.7*	1/8 *3.2*	2.34 *59.5*	3.94 *100.0*	1.73 *44.0*	2.3	2	26	1.3 *0.6*
1-1/4 *32*	65SF3012	66SF3012	1.660 *42.2*	1/8 *3.2*	2.70 *68.5*	4.41 *112.0*	1.89 *48.0*	2.1	2	24	2.2 *1.0*
1-1/2 *40*	65SF3014	66SF3014	1.900 *48.3*	1/8 *3.2*	2.93 *74.5*	4.69 *119.0*	1.89 *48.0*	1.9	2	24	2.3 *1.0*
2 *50*	65SF3020	66SF3020	2.375 *60.3*	1/8 *3.2*	3.48 *88.5*	5.20 *132.0*	1.89 *48.0*	2.0	2	20	2.5 *1.1*
2-1/2 *65*	65SF3024	66SF3024	2.875 *73.0*	1/8 *3.2*	4.04 *102.5*	5.71 *145.0*	1.89 *48.0*	2.3	2	16	3.0 *1.4*
3 *80*	65SF3030	66SF3030	3.500 *88.9*	1/8 *3.2*	4.63 *117.5*	6.50 *165.0*	1.89 *48.0*	2.0	2	16	3.3 *1.5*
4 *100*	65SF3040	66SF3040	4.500 *114.3*	1/4 *6.4*	6.00 *152.4*	8.35 *212.0*	2.13 *54.0*	2.2	2	8	6.1 *2.8*
5 *125*	65SF3050	66SF3050	5.563 *141.3*	1/4 *6.4*	7.07 *179.5*	10.04 *255.0*	2.13 *54.0*	1.8	2	6	8.5 *3.9*
6 *150*	65SF3060	66SF3060	6.625 *168.3*	1/4 *6.4*	8.31 *211.0*	11.42 *290.0*	2.15 *54.5*	1.6	2	4	10.6 *4.8*
8 *200*	65SF3080	66SF3080	8.625 *219.1*	1/4 *6.4*	10.35 *263.0*	13.62 *346.0*	2.48 *63.0*	1.4	2	-	16.4 *7.5*
10 *250*	65SF3100	66SF3100	10.750 *273.0*	1/4 *6.4*	12.87 *327.0*	16.61 *422.0*	2.64 *67.0*	1.2	2	-	25.3 *11.5*
12 *300*	65SF3120	66SF3120	12.750 *323.9*	1/4 *6.4*	14.88 *378.0*	18.66 *474.0*	2.64 *67.0*	1.1	2	-	29.6 *13.4*
14 *350*	65SF3140	66SF3140	14.000 *355.6*	1/4 *6.4*	15.94 *405.0*	19.96 *507.0*	2.91 *74.0*	1.0	4	-	39.2 *17.8*
16 *400*	65SF3160	66SF3160	16.000 *406.4*	1/4 *6.4*	17.72 *450.0*	22.01 *559.0*	2.91 *74.0*	0.9	4	-	42.9 *19.5*
18 *450*	65SF3180	66SF3180	18.000 *457.6*	1/4 *6.4*	20.08 *510.0*	24.53 *623.0*	3.15 *80.0*	0.8	4	-	54.0 *24.5*
20 *500*	65SF3200	66SF3200	20.000 *508.0*	1/4 *6.4*	22.09 *561.0*	26.57 *675.0*	3.15 *80.0*	0.7	4	-	57.3 *26.0*
24 *600*	65SF3240	66SF3240	24.000 *609.6*	1/4 *6.4*	26.10 *663.0*	30.59 *777.0*	3.15 *80.0*	0.6	6	-	76.9 *34.9*

Fig. 65SFTRI & 66SFTRI

Standard Weight Flexible Coupling with Triple Seal Gasket

- Maximum working pressure depending on coupling size and schedule of pipe:
  1" to 6" - 1000 psi (68.9 bar)
  8" - 800 psi (55.1 bar)
- All housings, gaskets and bolts identified by SCI logo
- Gasket Grade E - EPDM (green stripe) -30˚F (-34˚C) to +230˚F (+110˚C)
- Other gasket materials available by special order
- Ductile iron housings conform to ASTM A-536 Grade 65-45-12
- Groove dimensions to AWWA C-606
- Finishes: Orange enamel paint
  Hot dipped galvanized conforming to ASTM A-153
- Smith-Cooper Warranty only applies to assemblies made with housings, gaskets and bolts carrying the SCI logo

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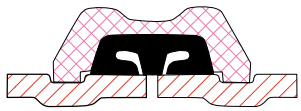
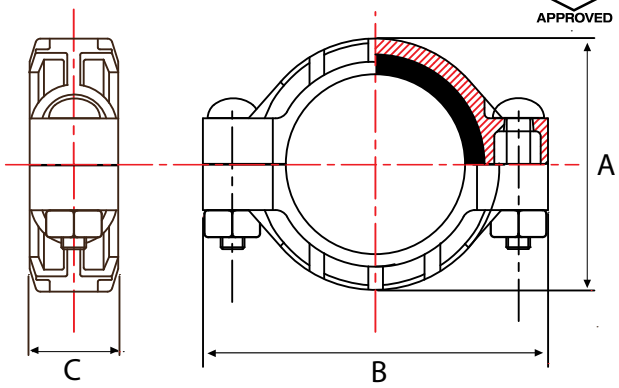


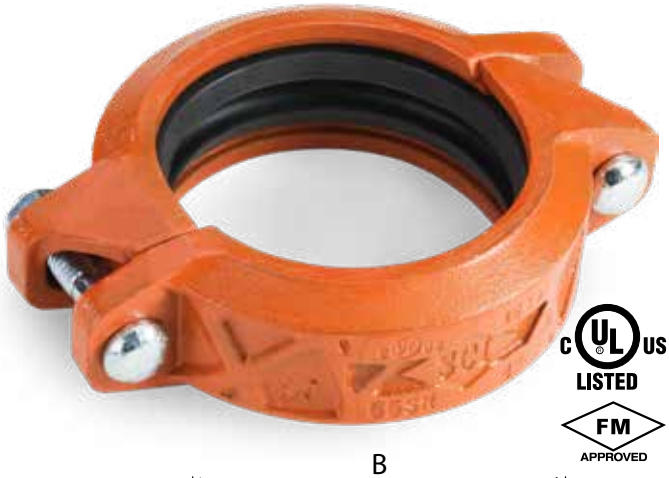
Triple Seal Gasket – EPDM



Pipe Size in / *mm*	Part Number		Pipe OD in / *mm*	Max Pipe End Gap in / *mm*	Dimensions			Deflection Degrees	Number of Sections	Case Qty	Weight lb / *kg*
	Painted	Galvanized			A in / *mm*	B in / *mm*	C in / *mm*				
1-1/4 *32*	65SFTRI3012	66SFTRI3012	1.660 *42.2*	1/8 *3.2*	2.70 *68.5*	4.41 *112.0*	1.89 *48.0*	2.1	2	24	2.2 *1.0*
1-1/2 *40*	65SFTRI3014	66SFTRI3014	1.900 *48.3*	1/8 *3.2*	2.93 *74.5*	4.69 *119.0*	1.89 *48.0*	1.9	2	24	2.3 *1.0*
2 *50*	65SFTRI3020	66SFTRI3020	2.375 *60.3*	1/8 *3.2*	3.48 *88.5*	5.20 *132.0*	1.89 *48.0*	2.0	2	20	2.5 *1.1*
2-1/2 *65*	65SFTRI3024	66SFTRI3024	2.875 *73.0*	1/8 *3.2*	4.04 *102.5*	5.71 *145.0*	1.89 *48.0*	2.3	2	16	3.0 *1.4*
3 *80*	65SFTRI3030	66SFTRI3030	3.500 *88.9*	1/8 *3.2*	4.63 *117.5*	6.50 *165.0*	1.89 *48.0*	2.0	2	16	3.3 *1.5*
4 *100*	65SFTRI3040	66SFTRI3040	4.500 *114.3*	1/4 *6.4*	6.00 *152.4*	8.35 *212.0*	2.13 *54.0*	2.2	2	8	6.1 *2.8*
5 *125*	65SFTRI3050	66SFTRI3050	5.563 *141.3*	1/4 *6.4*	7.07 *179.5*	10.04 *255.0*	2.13 *54.0*	1.8	2	6	8.5 *3.9*
6 *150*	65SFTRI3060	66SFTRI3060	6.625 *168.3*	1/4 *6.4*	8.31 *211.0*	11.42 *290.0*	2.15 *54.5*	1.6	2	4	10.6 *4.8*
8 *200*	65SFTRI3080	66SFTRI3080	8.625 *219.1*	1/4 *6.4*	10.35 *263.0*	13.62 *346.0*	2.48 *63.0*	1.4	2	-	16.4 *7.5*

GROOVED

Please see complete installation instructions at www.smithcooper.com for important guidelines and limitations on the use and applications of COOPLOK™ Grooved Couplings and Fittings.



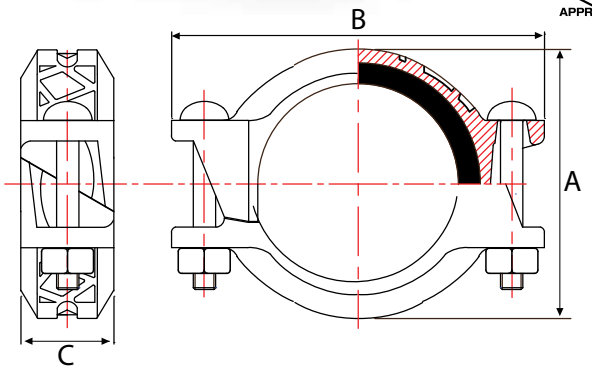
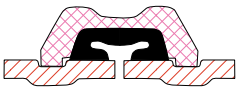


Fig. 65SR & 66SR
Standard Weight Rigid Coupling with "C" Gasket

- Maximum working pressure depending on coupling size and schedule of pipe:
  1" to 6" - 1000 psi (68.9 bar)
  8" - 800 psi (55.1 bar)
  10" & 12" - 600 psi (41.3 bar)
  14" to 20" - 300 psi (20.6 bar)
  24" - 250 psi (17.2 bar)
- UL Listed & FM Approved – 1" thru 12"
- All housings, gaskets and bolts identified by SCI logo
- Gasket Grade E - EPDM (green stripe) -30˚F (-34˚C) to +230˚F (+110˚C)
- Gasket Grade T - Nitrile (orange stripe) -20˚F (-29˚C) to +180˚F (+82˚C)
- Gasket Grade O - Fluoroelastomer (blue stripe) +20˚F (-6˚C) to +300˚F (+149˚C)
- Ductile iron housings conform to ASTM A-536 Grade 65-45-12
- Groove dimensions to AWWA C-606
- Finishes: Orange enamel paint
  Hot dipped galvanized conforming to ASTM A-153
- Smith-Cooper Warranty only applies to assemblies made with housings, gaskets and bolts carrying the SCI logo



"C" Style Gasket

Pipe Size in / *mm*	Part Number		Pipe OD in / *mm*	Max Pipe End Gap in / *mm*	Dimensions			Number of Sections	Case Qty	Weight lb / *kg*
	Painted	Galvanized			A in / *mm*	B in / *mm*	C in / *mm*			
1 *25*	65SR3010	66SR3010	1.315 *33.7*	1/16 *1.6*	2.34 *59.5*	3.94 *100.0*	1.73 *44.0*	2	26	1.3 *0.6*
1-1/4 *32*	65SR3012	66SR3012	1.660 *42.2*	1/16 *1.6*	2.74 *69.5*	4.25 *108.0*	1.85 *47.0*	2	32	1.6 *0.7*
1-1/2 *40*	65SR3014	66SR3014	1.900 *48.3*	1/16 *1.6*	2.97 *75.5*	4.49 *114.0*	1.85 *47.0*	2	32	1.7 *0.8*
2 *50*	65SR3020	66SR3020	2.375 *60.3*	1/16 *1.6*	3.48 *88.5*	4.88 *124.0*	1.89 *48.0*	2	24	2.2 *1.0*
2-1/2 *65*	65SR3024	66SR3024	2.875 *73.0*	1/16 *1.6*	4.00 *101.5*	4.79 *147.0*	1.89 *48.0*	2	16	2.8 *1.3*
3 *80*	65SR3030	66SR3030	3.500 *88.9*	1/16 *1.6*	4.59 *116.5*	6.38 *162.0*	1.89 *48.0*	2	16	3.2 *1.4*
4 *100*	65SR3040	66SR3040	4.500 *114.3*	1/8 *3.2*	5.87 *149.0*	7.72 *196.0*	2.09 *53.0*	2	10	5.0 *2.2*
5 *125*	65SR3050	66SR3050	5.563 *141.3*	1/8 *3.2*	6.95 *176.5*	9.29 *236.0*	2.09 *53.0*	2	6	6.7 *3.0*
6 *150*	65SR3060	66SR3060	6.625 *168.3*	1/8 *3.2*	8.15 *207.0*	10.55 *268.0*	2.09 *53.0*	2	5	8.1 *3.7*
8 *200*	65SR3080	66SR3080	8.625 *219.1*	1/8 *3.2*	10.24 *260.0*	13.23 *336.0*	2.56 *65.0*	2	-	14.3 *6.5*
10 *250*	65SR3100	66SR3100	10.750 *273.0*	1/8 *3.2*	12.71 *323.0*	15.82 *402.0*	2.56 *65.0*	2	-	20.7 *9.4*
12 *300*	65SR3120	66SR3120	12.750 *323.9*	1/8 *3.2*	14.92 *379.0*	18.03 *458.0*	2.56 *65.0*	2	-	25.4 *11.5*
14 *350*	65SR3140	66SR3140	14.000 *355.6*	1/8 *3.2*	16.02 *407.0*	19.45 *494.0*	2.87 *73.0*	3	-	33.5 *15.2*
16 *400*	65SR3160	66SR3160	16.000 *406.4*	1/8 *3.2*	18.03 *458.0*	21.50 *546.0*	2.87 *73.0*	3	-	36.9 *16.7*
18 *450*	65SR3180	66SR3180	18.000 *457.6*	1/8 *3.2*	20.16 *512.0*	23.46 *596.0*	2.99 *76.0*	3	-	9.4 *17.9*
20 *500*	65SR3200	66SR3200	20.000 *508.0*	1/8 *3.2*	22.13 *562.0*	26.06 *662.0*	3.07 *78.0*	4	-	53.9 *24.5*
24 *600*	65SR3240	66SR3240	24.000 *609.6*	1/8 *3.2*	26.14 *664.0*	30.08 *764.0*	3.07 *78.0*	4	-	69.0 *31.3*

Fig. 65SRTRI & 66SRTRI

Standard Weight Rigid Coupling with Triple Seal Gasket

- Maximum working pressure depending on coupling size and schedule of pipe:
  1" to 6" - 1000 psi (68.9 bar)
  8" - 800 psi (55.1 bar)
- All housings, gaskets and bolts identified by SCI logo
- Gasket Grade E - EPDM (green stripe) -30˚F (-34˚C) to +230˚F (+110˚C)
- Other gasket materials available by special order
- Ductile iron housings conform to ASTM A-536 Grade 65-45-12
- Groove dimensions to AWWA C-606
- Finishes: Orange enamel paint
  Hot dipped galvanized conforming to ASTM A-153
- Smith-Cooper Warranty only applies to assemblies made with housings, gaskets and bolts carrying the SCI logo

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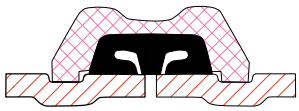
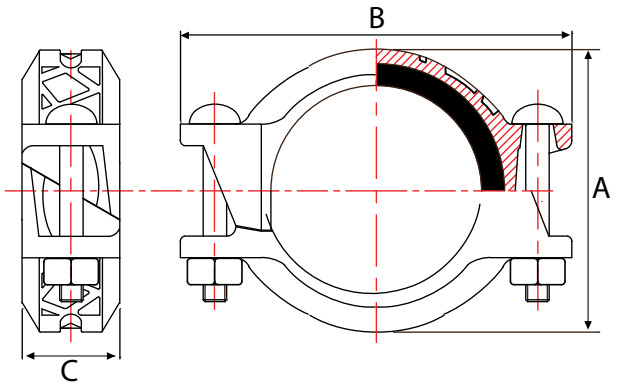


Triple Seal Gasket – EPDM



Pipe Size in / *mm*	Part Number		Pipe OD in / *mm*	Max Pipe End Gap in / *mm*	Dimensions			Number of Sections	Case Qty	Weight lb / *kg*
	Painted	Galvanized			A in / *mm*	B in / *mm*	C in / *mm*			
1-1/4 *32*	65SRTRI3012	66SRTRI3012	1.660 *42.2*	1/16 *1.6*	2.74 *69.5*	4.25 *108.0*	1.85 *47.0*	2	32	1.6 *0.7*
1-1/2 *40*	65SRTRI3014	66SRTRI3014	1.900 *48.3*	1/16 *1.6*	2.97 *75.5*	4.49 *114.0*	1.85 *47.0*	2	32	1.7 *0.8*
2 *50*	65SRTRI3020	66SRTRI3020	2.375 *60.3*	1/16 *1.6*	3.48 *88.5*	4.88 *124.0*	1.89 *48.0*	2	24	2.2 *1.0*
2-1/2 *65*	65SRTRI3024	66SRTRI3024	2.875 *73.0*	1/16 *1.6*	4.00 *101.5*	4.79 *147.0*	1.89 *48.0*	2	16	2.8 *1.3*
3 *80*	65SRTRI3030	66SRTRI3030	3.500 *88.9*	1/16 *1.6*	4.59 *116.5*	6.38 *162.0*	1.89 *48.0*	2	16	3.2 *1.5*
4 *100*	65SRTRI3040	66SRTRI3040	4.500 *114.3*	1/8 *3.2*	5.87 *149.0*	7.72 *196.0*	2.09 *53.0*	2	10	5.0 *2.3*
5 *125*	65SRTRI3050	66SRTRI3050	5.563 *141.3*	1/8 *3.2*	6.95 *176.5*	9.29 *236.0*	2.09 *53.0*	2	6	6.7 *3.0*
6 *150*	65SRTRI3060	66SRTRI3060	6.625 *168.3*	1/8 *3.2*	8.15 *207.0*	10.55 *268.0*	2.09 *53.0*	2	5	8.1 *3.7*
8 *200*	65SRTRI3080	66SRTRI3080	8.625 *219.1*	1/8 *3.2*	10.24 *260.0*	13.23 *336.0*	2.56 *65.0*	2	-	14.3 *6.5*

Please see complete installation instructions at www.smithcooper.com for important guidelines and limitations on the use and applications of COOPLOK™ Grooved Couplings and Fittings.

Fig. 65LF & 66LF

Lightweight Flexible Coupling with "C" Gasket

- Maximum working pressure 500 psi (34.5 bar) depending on coupling size and schedule of pipe
- All housings, gaskets and bolts identified by SCI logo
- 100% magnetic particle inspection of each bolt
- Each bolt has a minimum tensile strength of 110,000 psi
- Gasket Grade E - EPDM (green stripe) -30˚F (-34˚C) to +230˚F (+110˚C)
- Gasket Grade T - Nitrile (orange stripe) -20˚F (-29˚C) to +180˚F (+82˚C)
- Gasket Grade O - Fluoroelastomer (blue stripe) +20°F (-6°C) to +300°F (+149°C)
- Ductile iron housings conform to ASTM A-536 Grade 65-45-12
- Groove Dimensions to AWWA C-606
- Finishes: Orange enamel paint
  Hot dipped galvanized conforming to ASTM A-153
- Smith-Cooper Warranty only applies to assemblies made with housings, gaskets and bolts carrying the SCI logo

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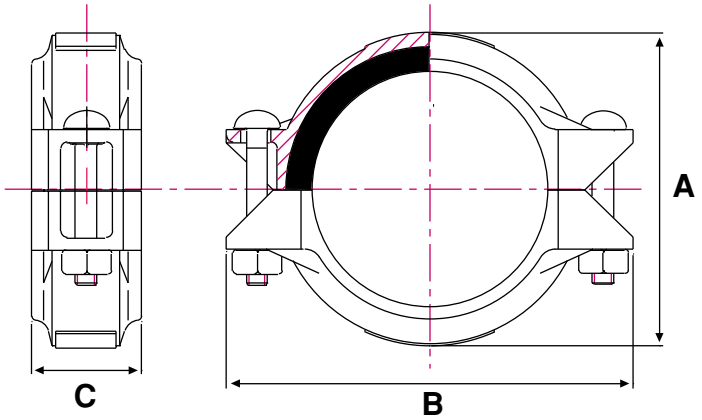

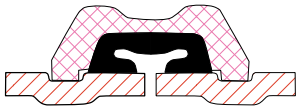

"C" Style Gasket

Pipe Size in / *mm*	Part Number Painted	Part Number Galvanized	Pipe OD in / *mm*	Max Pipe End Gap in / *mm*	Dimensions A in / *mm*	Dimensions B in / *mm*	Dimensions C in / *mm*	Deflection Degrees	Case Qty	Weight lb / *kg*
1-1/4 *32*	65LF3012	66LF3012	1.660 *42.2*	1/8 *3.2*	2.58 *65.5*	4.09 *103.9*	1.85 *47.0*	2.1°	24	1.2 *0.5*
1-1/2 *40*	65LF3014	66LF3014	1.900 *48.3*	1/8 *3.2*	2.85 *72.4*	4.37 *111.0*	1.85 *47.0*	1.9°	36	1.3 *0.6*
2 *50*	65LF3020	66LF3020	2.375 *60.3*	1/8 *3.2*	3.37 *85.6*	4.80 *121.9*	1.85 *47.0*	2.0°	30	1.7 *0.8*
2-1/2 *65*	65LF3024	66LF3024	2.875 *73.0*	1/8 *3.2*	3.88 *98.6*	5.28 *134.1*	1.85 *47.0*	2.3°	24	1.9 *0.9*
3 *80*	65LF3030	66LF3030	3.500 *88.9*	1/8 *3.2*	4.40 *111.8*	5.91 *150.1*	1.85 *47.0*	2.0°	20	2.2 *1.0*
4 *100*	65LF3040	66LF3040	4.500 *114.3*	1/4 *6.4*	5.75 *146.1*	7.44 *189.0*	2.01 *51.1*	2.2°	10	3.6 *1.6*
5 *125*	65LF3050	66LF3050	5.563 *141.3*	1/4 *6.4*	6.79 *172.5*	9.13 *231.9*	2.01 *51.1*	1.8°	8	5.1 *2.3*
6 *150*	65LF3060	66LF3060	6.625 *168.3*	1/4 *6.4*	7.95 *201.9*	10.31 *261.9*	2.01 *51.1*	1.6°	5	6.0 *2.7*
8 *200*	65LF3080	66LF3080	8.625 *219.1*	1/4 *6.4*	10.80 *274.3*	13.07 *332.0*	2.52 *64.0*	1.4°	-	10.7 *4.8*

Fig. 65LFTRI & 66LFTRI

Lightweight Flexible Coupling with Triple Seal Gasket

- Maximum working pressure 500 psi (34.5 bar) depending on coupling size and schedule of pipe
- All housings, gaskets and bolts identified by SCI logo
- 100% magnetic particle inspection of each bolt
- Each bolt has a minimum tensile strength of 110,000 psi
- Gasket Grade E - EPDM (green stripe) -30˚F (-34˚C) to +230˚F (+110˚C)
- Ductile iron housings conform to ASTM A-536 Grade 65-45-12
- Groove dimensions to AWWA C-606
- Finishes: Orange enamel paint
  Hot dipped galvanized conforming to ASTM A-153
- Smith-Cooper Warranty only applies to assemblies made with housings, gaskets and bolts carrying the SCI logo

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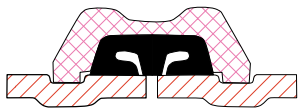
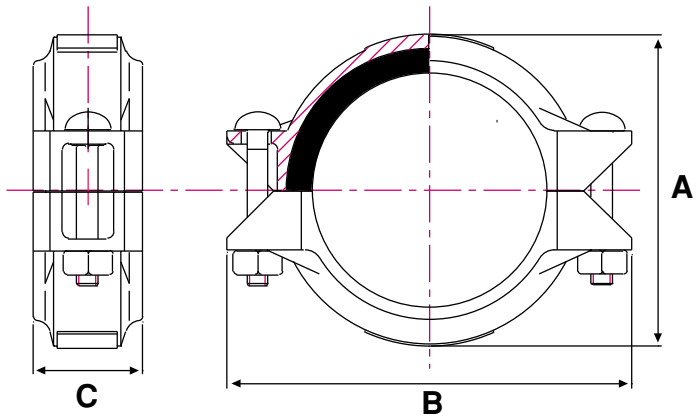


Triple Seal Gasket – EPDM



Pipe Size in / *mm*	Part Number		Pipe OD in / *mm*	Max Pipe End Gap in / *mm*	Dimensions			Deflection Degrees	Case Qty	Weight lb / *kg*
	Painted	Galvanized			A in / *mm*	B in / *mm*	C in / *mm*			
1-1/4 *32*	65LFTRI3012	66LFTRI3012	1.660 *42.2*	1/8 *3.2*	2.58 *65.5*	4.09 *103.9*	1.85 *47.0*	2.1°	36	1.2 *0.5*
1-1/2 *40*	65LFTRI3014	66LFTRI3014	1.900 *48.3*	1/8 *3.2*	2.85 *72.4*	4.37 *111.0*	1.85 *47.0*	1.9°	36	1.3 *0.6*
2 *50*	65LFTRI3020	66LFTRI3020	2.375 *60.3*	1/8 *3.2*	3.37 *85.6*	4.80 *121.9*	1.85 *47.0*	2.0°	30	1.7 *0.8*
2-1/2 *65*	65LFTRI3024	66LFTRI3024	2.875 *73.0*	1/8 *3.2*	3.88 *98.6*	5.28 *134.1*	1.85 *47.0*	2.3°	24	1.9 *0.9*
3 *80*	65LFTRI3030	66LFTRI3030	3.500 *88.9*	1/8 *3.2*	4.40 *111.8*	5.91 *150.1*	1.85 *47.0*	2.0°	20	2.2 *1.0*
4 *100*	65LFTRI3040	66LFTRI3040	4.500 *114.3*	1/4 *6.4*	5.75 *146.1*	7.44 *189.0*	2.01 *51.1*	2.2°	18	3.6 *1.6*
5 *125*	65LFTRI3050	66LFTRI3050	5.563 *141.3*	1/4 *6.4*	6.79 *172.5*	9.13 *231.9*	2.01 *51.1*	1.8°	12	5.1 *2.3*
6 *150*	65LFTRI3060	66LFTRI3060	6.625 *168.3*	1/4 *6.4*	7.95 *201.9*	10.31 *261.9*	2.01 *51.1*	1.6°	10	6.0 *2.7*
8 *200*	65LFTRI3080	66LFTRI3080	8.625 *219.1*	1/4 *6.4*	10.80 *274.3*	13.07 *332.0*	2.52 *64.0*	1.4°	-	10.7 *4.8*

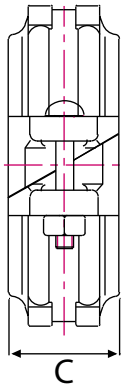
GROOVED

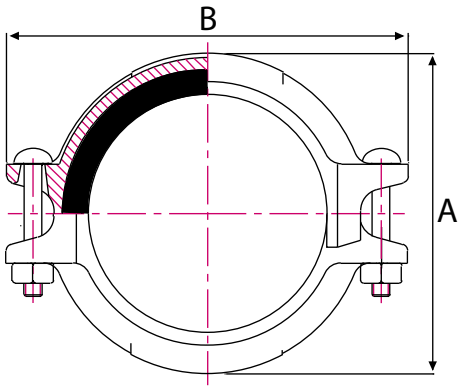
Fig. 65LR & 66LR
Lightweight Rigid Coupling with "C" Gasket

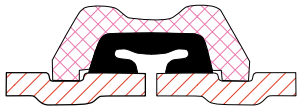
- Maximum working pressure 500 psi (34.5 bar) depending on coupling size and schedule of pipe
- All housings, gaskets and bolts identified by SCI logo
- 100% magnetic particle inspection of each bolt
- Each bolt has a minimum tensile strength of 110,000 psi
- Gasket Grade E - EPDM (green stripe) -30˚F (-34˚C) to +230˚F (+110˚C)
- Gasket Grade T - Nitrile (orange stripe) -20˚F (-29˚C) to +180˚F (+82˚C)
- Gasket Grade O - Fluoroelastomer (blue stripe) +20°F (-6°C) to +300°F (+149°C)
- Ductile iron housings conform to ASTM A-536 Grade 65-45-12
- Groove dimensions to AWWA C-606
- Finishes: Orange enamel paint
  Hot dipped galvanized conforming to ASTM A-153
- Smith-Cooper Warranty only applies to assemblies made with housings, gaskets and bolts carrying the SCI logo

c UL us LISTED

FM APPROVED







"C" Style Gasket

Pipe Size in / *mm*	Part Number		Pipe OD in / *mm*	Max Pipe End Gap in / *mm*	Dimensions			Case Qty	Weight lb / *kg*
	Painted	Galvanized			A in / *mm*	B in / *mm*	C in / *mm*		
1-1/4 *32*	65LR3012	66LR3012	1.660 *42.2*	1/16 *1.6*	2.66 *67.6*	4.09 *103.9*	1.85 *47.0*	24	1.3 *0.6*
1-1/2 *40*	65LR3014	66LR3014	1.900 *48.3*	1/16 *1.6*	2.93 *74.4*	4.37 *111.0*	1.85 *47.0*	36	1.4 *0.6*
2 *50*	65LR3020	66LR3020	2.375 *60.3*	1/16 *1.6*	3.44 *87.4*	4.80 *121.9*	1.85 *47.0*	30	1.7 *0.8*
2-1/2 *65*	65LR3024	66LR3024	2.875 *73.0*	1/16 *1.6*	3.96 *100.6*	5.28 *134.1*	1.85 *47.0*	24	2.0 *0.9*
3 *80*	65LR3030	66LR3030	3.500 *88.9*	1/16 *1.6*	4.55 *115.6*	5.91 *150.1*	1.85 *47.0*	20	2.2 *1.0*
4 *100*	65LR3040	66LR3040	4.500 *114.3*	1/8 *3.2*	5.83 *148.1*	7.28 *184.9*	2.01 *51.1*	10	3.4 *1.5*
5 *125*	65LR3050	66LR3050	5.563 *141.3*	1/8 *3.2*	6.87 *174.5*	8.62 *218.9*	2.01 *51.1*	8	4.4 *2.0*
6 *150*	65LR3060	66LR3060	6.625 *168.3*	1/8 *3.2*	8.03 *204.0*	9.76 *247.9*	2.01 *51.1*	6	5.4 *2.4*
8 *200*	65LR3080	66LR3080	8.625 *219.1*	1/8 *3.2*	10.16 *258.1*	12.52 *318.0*	2.52 *64.0*	-	10.5 *4.8*

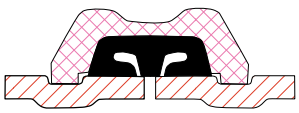
Fig. 65LRTRI & 66LRTRI

Lightweight Rigid Coupling with Triple Seal Gasket

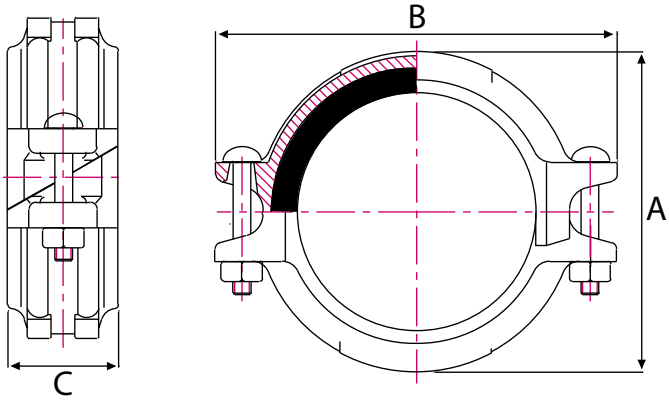
- Maximum working pressure 500 psi (34.5 bar) depending on coupling size and schedule of pipe
- All housings, gaskets and bolts identified by SCI logo
- 100% magnetic particle inspection of each bolt
- Each bolt has a minimum tensile strength of 110,000 psi
- Gasket Grade E - EPDM (green stripe) -30˚F (-34˚C) to +230˚F (+110˚C)
- Other gasket materials available by special order
- Ductile iron housings conform to ASTM A-536 Grade 65-45-12
- Groove dimensions to AWWA C-606
- Finishes: Orange enamel paint
  Hot dipped galvanized conforming to ASTM A-153
- Smith-Cooper Warranty only applies to assemblies made with housings, gaskets and bolts carrying the SCI logo

c UL us LISTED

FM APPROVED



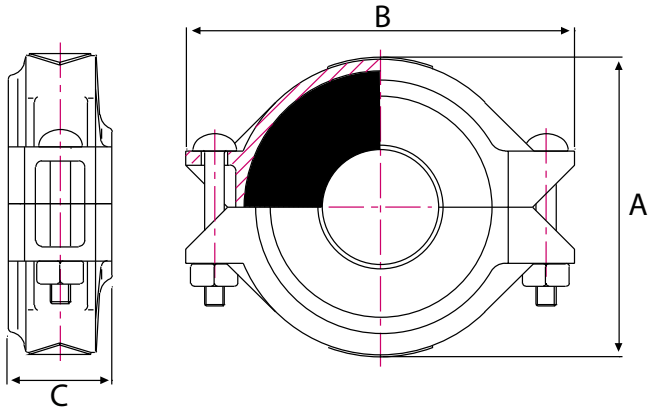
Triple Seal Gasket – EPDM

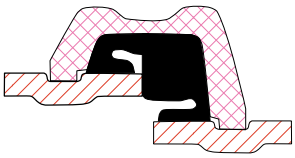


Pipe Size in / *mm*	Part Number		Pipe OD in / *mm*	Max Pipe End Gap in / *mm*	Dimensions			Case Qty	Weight lb / *kg*
	Painted	Galvanized			A in / *mm*	B in / *mm*	C in / *mm*		
1-1/4 *32*	65LRTRI3012	66LRTRI3012	1.660 *42.2*	1/16 *1.6*	2.66 *67.6*	4.09 *103.9*	1.85 *47.0*	36	1.3 *0.6*
1-1/2 *40*	65LRTRI3014	66LRTRI3014	1.900 *48.3*	1/16 *1.6*	2.93 *74.4*	4.37 *111.0*	1.85 *47.0*	36	1.4 *0.6*
2 *50*	65LRTRI3020	66LRTRI3020	2.375 *60.3*	1/16 *1.6*	3.44 *87.4*	4.80 *121.9*	1.85 *47.0*	30	1.7 *0.8*
2-1/2 *65*	65LRTRI3024	66LRTRI3024	2.875 *73.0*	1/16 *1.6*	3.96 *100.6*	5.28 *134.1*	1.85 *47.0*	24	2.0 *0.9*
3 *80*	65LRTRI3030	66LRTRI3030	3.500 *88.9*	1/16 *1.6*	4.55 *115.6*	5.91 *150.1*	1.85 *47.0*	20	2.2 *1.0*
4 *100*	65LRTRI3040	66LRTRI3040	4.500 *114.3*	1/8 *3.2*	5.83 *148.1*	7.28 *184.9*	2.01 *51.1*	18	3.4 *1.5*
5 *125*	65LRTRI3050	66LRTRI3050	5.563 *141.3*	1/8 *3.2*	6.87 *174.5*	8.62 *218.9*	2.01 *51.1*	12	4.4 *2.0*
6 *150*	65LRTRI3060	66LRTRI3060	6.625 *168.3*	1/8 *3.2*	8.03 *204.0*	9.76 *247.9*	2.01 *51.1*	10	5.4 *2.4*
8 *200*	65LRTRI3080	66LRTRI3080	8.625 *219.1*	1/8 *3.2*	10.16 *258.1*	12.52 *318.0*	2.52 *64.0*	-	10.5 *4.8*

Fig. 65RC & 66RC
Reducing Coupling

- Maximum working pressure 300 psi (20.7 bar) depending on coupling size and schedule of pipe
- All housings, gaskets and bolts identified by SCI logo
- 100% magnetic particle inspection of each bolt
- Each bolt has a minimum tensile strength of 110,000 psi
- Gasket Grade E - EPDM (green stripe) -30˚F (-34˚C) to +230˚F (+110˚C)
- Gasket Grade T - Nitrile (orange stripe) -20˚F (-29˚C) to +180˚F (+82˚C)
- Other gasket materials available by special order
- Ductile iron housings conform to ASTM A-536 Grade 65-45-12
- Groove dimensions to AWWA C-606
- Finishes: Orange enamel paint
  Hot dipped galvanized conforming to ASTM A-153
- Smith-Cooper Warranty only applies to assemblies made with housings, gaskets and bolts carrying the SCI logo





Reducing Gasket

Pipe Size in / *mm*	Part Number		Max Pipe End Gap in / *mm*	Dimensions			Deflection Degrees	Case Qty	Weight lb / *kg*
	Painted	Galvanized		A in / *mm*	B in / *mm*	C in / *mm*			
2 x 1-1/2 *50 x 40*	65RC3020014	66RC3020014	1/8 *3.2*	3.43 *87.1*	4.88 *124.0*	1.85 *47.0*	2.0°	26	1.9 *0.9*
2-1/2 x 2 *65 x 50*	65RC3024020	66RC3024020	1/8 *3.2*	3.98 *101.1*	5.35 *135.9*	1.85 *47.0*	1.5°	22	2.3 *1.0*
3 x 2 *80 x 50*	65RC3030020	66RC3030020	1/8 *3.2*	4.51 *114.5*	6.34 *161.0*	1.85 *47.0*	1.8°	20	3.1 *1.4*
3 x 2-1/2 *80 x 65*	65RC3030024	66RC3030024	1/8 *3.2*	4.51 *114.5*	6.34 *161.0*	1.85 *47.0*	1.8°	20	3.0 *1.3*
4 x 2 *100 x 50*	65RC3040020	66RC3040020	1/4 *6.4*	5.83 *148.1*	7.52 *191.0*	2.01 *51.1*	1.2°	10	4.8 *2.2*
4 x 2-1/2 *100 x 65*	65RC3040024	66RC3040024	1/4 *6.4*	5.83 *148.1*	7.52 *191.0*	2.01 *51.1*	1.2°	10	4.8 *2.2*
4 x 3 *100 x 80*	65RC3040030	66RC3040030	1/4 *6.4*	5.83 *148.1*	7.52 *191.0*	2.01 *51.1*	1.2°	10	4.4 *2.0*
6 x 4 *150 x 100*	65RC3060040	66RC3060040	1/4 *6.4*	7.99 *202.9*	10.35 *262.9*	2.01 *51.1*	0.9°	-	9.0 *4.1*
8 x 6 *200 x 150*	65RC3080060	66RC3080060	1/4 *6.4*	10.12 *257.0*	13.15 *334.0*	2.48 *63.0*	0.8°	-	14.6 *6.6*

Fig. 65FH & 66FH
Hinged Flange Adapter

- Maximum working pressure 300 psi (20.7 bar) depending on flange size and schedule of pipe
- 3/8" x 2-3/4" latch bolt included
- SCI does not provide flange bolts
- All bolts and gaskets identified by SCI logo
- 100% magnetic particle inspection of each bolt
- Each bolt has a minimum tensile strength of 110,000 psi
- Gasket Grade E - EPDM (green stripe) -30˚F (-34˚C) to +230˚F (+110˚C)
- Gasket Grade T - Nitrile (orange stripe) -20˚F (-29˚C) to +180˚F (+82˚C)
- Ductile iron housings conform to ASTM A-536 Grade 65-45-12
- Groove dimensions to AWWA C-606
- Matches Class 125/150 flange dimensions
- Finishes: Orange enamel paint
  Hot dipped galvanized conforming to ASTM A-153
- Smith-Cooper Warranty only applies to assemblies made with housings, gaskets and bolts carrying the SCI logo

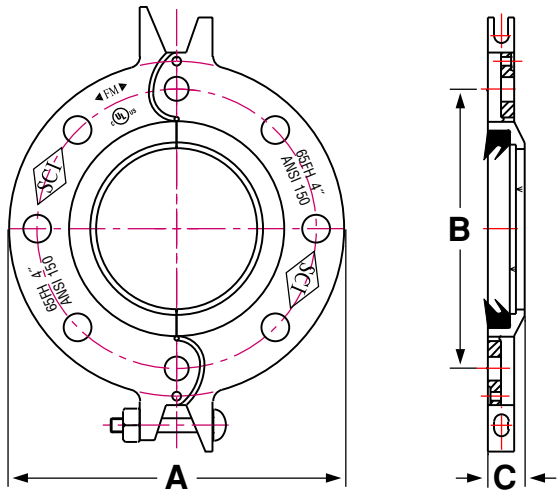


Fig. 65FHR
Phenolic Flange Ring

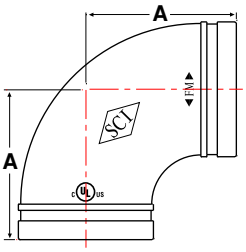
- For use when mating to a rubber flange seal or wafer-style butterfly valve
- 1/8" thick fabric-reinforced, laminated phenolic
- Available upon request

Phenolic
Flange Ring

Pipe Size in / *mm*	Part Number		Pipe OD in / *mm*	Dimensions			Number of Flange Bolts	Case Qty	Weight lb / *kg*	Part Number
	Painted	Galvanized		A in / *mm*	B in / *mm*	C in / *mm*				Phenolic Flange Ring
2 *50*	65FH3020	66FH3020	2.375 *60.3*	6.00 *152.4*	4.75 *120.7*	0.75 *19.1*	4	10	3.6 *1.6*	65FHR020
2-1/2 *65*	65FH3024	66FH3024	2.875 *73.0*	7.00 *177.8*	5.50 *139.7*	0.88 *22.4*	4	10	3.6 *1.6*	65FHR024
3 *80*	65FH3030	66FH3030	3.500 *88.9*	7.50 *190.5*	6.00 *152.4*	0.94 *23.9*	4	10	4.8 *2.2*	65FHR030
4 *100*	65FH3040	66FH3040	4.500 *114.3*	9.00 *228.6*	7.50 *190.5*	0.94 *23.9*	8	10	6.6 *3.0*	65FHR040
5 *125*	65FH3050	66FH3050	5.563 *141.3*	10.00 *254.0*	8.50 *215.9*	0.94 *23.9*	8	-	8.1 *3.7*	65FHR050
6 *150*	65FH3060	66FH3060	6.625 *168.3*	11.00 *279.4*	9.50 *241.3*	1.00 *25.4*	8	-	8.4 *3.8*	65FHR060
8 *200*	65FH3080	66FH3080	8.625 *219.1*	13.50 *342.9*	11.75 *298.5*	1.12 *28.4*	8	-	14.3 *6.5*	65FHR080
10 *250*	65FH3100	66FH3100	10.750 *273.0*	16.00 *406.4*	14.25 *361.9*	1.19 *30.2*	12	-	19.4 *8.0*	65FHR100
12 *300*	65FH3120	66FH3120	12.750 *323.9*	19.00 *482.6*	17.00 *431.8*	1.25 *31.7*	12	-	28.8 *13.0*	65FHR120

Fig. 65E & 66E
90° Elbow, Standard Radius

- Ductile Iron - Full Flow
- UL/FM – 1-1/4" to 12" only

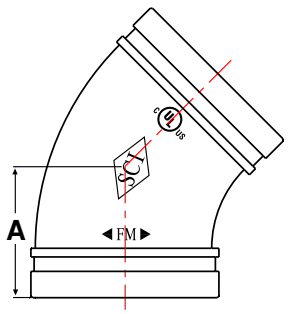


Pipe Size in / *mm*	Part Number Painted	Part Number Galvanized	A in / *mm*	Case Qty	Weight lb / *kg*
1-1/4 *32*	65E 3012	66E 3012	2.75 *69.9*	50	1.0 *0.4*
1-1/2 *40*	65E 3014	66E 3014	2.75 *69.9*	36	1.2 *0.5*
2 *50*	65E 3020	66E 3020	3.25 *82.6*	20	2.1 *0.9*
2-1/2 *65*	65E 3024	66E 3024	3.75 *95.3*	12	2.7 *1.2*
3 *80*	65E 3030	66E 3030	4.25 *108.0*	8	3.8 *1.7*
4 *100*	65E 3040	66E 3040	5.00 *127.0*	8	7.6 *3.4*
5 *125*	65E 3050	66E 3050	5.50 *139.7*	-	10.6 *4.8*
6 *150*	65E 3060	66E 3060	6.50 *165.1*	-	15.7 *7.1*
8 *200*	65E 3080	66E 3080	7.75 *196.9*	-	28.7 *13.0*
10 *250*	65E 3100	66E 3100	9.00 *229.0*	-	50.7 *23.0*
12 *300*	65E 3120	66E 3120	10.00 *254.0*	-	70.1 *31.8*
14 *350*	65E 3140	66E 3140	14.00 *356.0*	-	106.9 *48.5*
16 *400*	65E 3160	66E 3160	16.00 *406.0*	-	158.7 *72.0*

18" through 24" sizes available upon request.

Fig. 65F & 66F
45° Elbow, Standard Radius

- Ductile Iron - Full Flow
- UL/FM – 1-1/4" to 12" only



Pipe Size in / *mm*	Part Number Painted	Part Number Galvanized	A in / *mm*	Case Qty	Weight lb / *kg*
1-1/4 *32*	65F 3012	66F 3012	1.75 *44.5*	65	0.7 *0.3*
1-1/2 *40*	65F 3014	66F 3014	1.75 *44.5*	55	0.8 *0.4*
2 *50*	65F 3020	66F 3020	2.00 *50.8*	30	1.5 *0.7*
2-1/2 *65*	65F 3024	66F 3024	2.25 *57.2*	20	2.0 *0.9*
3 *80*	65F 3030	66F 3030	2.50 *63.5*	10	2.8 *1.3*
4 *100*	65F 3040	66F 3040	3.00 *76.2*	6	4.7 *2.2*
5 *125*	65F 3050	66F 3050	3.25 *82.6*	-	7.5 *3.4*
6 *150*	65F 3060	66F 3060	3.50 *88.9*	-	9.8 *4.5*
8 *200*	65F 3080	66F 3080	4.25 *108.0*	-	19.5 *8.8*
10 *250*	65F 3100	66F 3100	4.75 *121.0*	-	30.3 *13.7*
12 *300*	65F 3120	66F 3120	5.25 *133.0*	-	42.7 *19.4*
14 *350*	65F 3140	66F 3140	5.79 *147.0*	-	51.8 *23.5*
16 *400*	65F 3160	66F 3160	6.61 *168.0*	-	72.7 *33.0*

18" through 24" sizes available upon request.

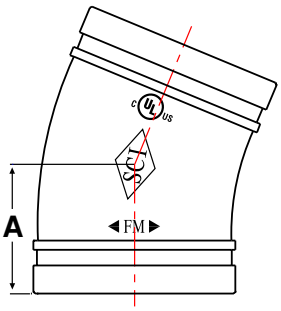
Pipe Size in / *mm*	Part Number Painted	Part Number Galvanized	A in / *mm*	Case Qty	Weight lb / *kg*
1-1/4 *32*	65TT3012	66TT3012	1.75 *44.5*	85	0.7 *0.3*
1-1/2 *40*	65TT3014	66TT3014	1.75 *44.5*	75	0.8 *0.4*
2 *50*	65TT3020	66TT3020	1.88 *47.8*	30	1.2 *0.5*
2-1/2 *65*	65TT3024	66TT3024	2.00 *50.8*	24	1.5 *0.7*
3 *80*	65TT3030	66TT3030	2.25 *57.2*	14	2.3 *1.0*
4 *100*	65TT3040	66TT3040	2.62 *66.5*	16	3.8 *1.7*
5 *125*	65TT3050	66TT3050	2.88 *73.2*	-	5.9 *2.7*
6 *150*	65TT3060	66TT3060	3.12 *79.2*	-	8.2 *3.7*
8 *200*	65TT3080	66TT3080	3.88 *98.6*	-	16.2 *7.3*
10 *250*	65TT3100F	66TT3100F	4.38 *111.2*	-	30.0 *13.6*
12 *300*	65TT3120F	66TT3120F	4.88 *123.9*	-	40.0 *18.1*

14" through 24" sizes available upon request.

Fig. 65TT & 66TT

22-1/2° Elbow, Standard Radius

- Ductile Iron - Full Flow
- (F) Fabricated Steel - Sch40, Cut Groove



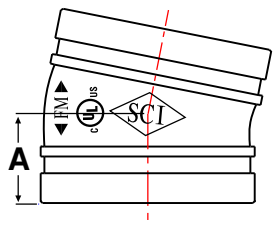
Pipe Size in / *mm*	Part Number Painted	Part Number Galvanized	A in / *mm*	Case Qty	Weight lb / *kg*
1-1/4 *32*	65EL3012	66EL3012	1.37 *34.8*	115	0.6 *0.3*
1-1/2 *40*	65EL3014	66EL3014	1.37 *34.8*	90	0.7 *0.3*
2 *50*	65EL3020	66EL3020	1.37 *34.8*	60	0.8 *0.4*
2-1/2 *65*	65EL3024	66EL3024	1.50 *38.1*	36	1.2 *0.5*
3 *80*	65EL3030	66EL3030	1.50 *38.1*	18	1.6 *0.7*
4 *100*	65EL3040	66EL3040	1.75 *44.5*	24	2.8 *1.3*
5 *125*	65EL3050	66EL3050	2.00 *50.8*	-	4.3 *2.0*
6 *150*	65EL3060	66EL3060	2.00 *50.8*	-	5.5 *2.5*
8 *200*	65EL3080	66EL3080	2.00 *50.8*	-	8.3 *3.8*
10 *250*	65EL3100F	66EL3100F	2.13 *54.1*	-	20.0 *9.1*
12 *300*	65EL3120F	66EL3120F	2.25 *57.1*	-	30.0 *13.6*

14" through 24" sizes available upon request.

Fig. 65EL & 66EL

11-1/4° Elbow, Standard Radius

- Ductile Iron - Full Flow
- (F) Fabricated Steel - Sch40, Cut Groove

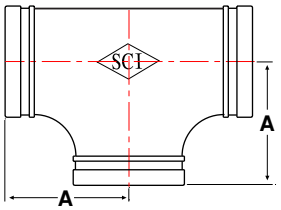


GROOVED

Please see complete installation instructions at www.smithcooper.com for important guidelines and limitations on the use and applications of COOPLOK™ Grooved Couplings and Fittings.

Fig. 65T & 66T
Tee, Standard Radius

- Ductile Iron - Full Flow
- UL/FM – 1-1/4" to 12" only

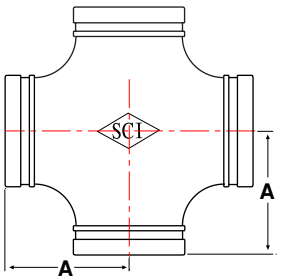


Pipe Size in / *mm*	Part Number Painted	Part Number Galvanized	A in / *mm*	Case Qty	Weight lb / *kg*
1-1/4 *32*	65T 3012	66T 3012	2.75 *69.9*	35	1.4 *0.7*
1-1/2 *40*	65T 3014	66T 3014	2.75 *69.9*	24	1.7 *0.8*
2 *50*	65T 3020	66T 3020	3.25 *82.6*	15	3.1 *1.4*
2-1/2 *65*	65T 3024	66T 3024	3.75 *95.3*	7	4.1 *1.9*
3 *80*	65T 3030	66T 3030	4.25 *108.0*	10	5.8 *2.6*
4 *100*	65T 3040	66T 3040	5.00 *127.0*	5	10.0 *4.5*
5 *125*	65T 3050	66T 3050	5.50 *139.7*	-	15.0 *6.8*
6 *150*	65T 3060	66T 3060	6.50 *165.1*	-	22.3 *10.1*
8 *200*	65T 3080	66T 3080	7.75 *196.9*	-	41.1 *18.6*
10 *250*	65T 3100	66T 3100	9.00 *229.0*	-	64.8 *29.4*
12 *300*	65T 3120	66T 3120	10.00 *254.0*	-	90.9 *41.2*
14 *350*	65T 3140	66T 3140	11.00 *279.0*	-	116.8 *53.0*
16 *400*	65T 3160	66T 3160	12.00 *305.0*	-	145.0 *65.9*

18" through 24" sizes available upon request.

Fig. 65X & 66X
Cross, Standard Radius

- Ductile Iron - Full Flow
- UL/FM – 1-1/4" to 8" only

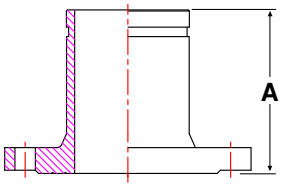


Pipe Size in / *mm*	Part Number Painted	Part Number Galvanized	A in / *mm*	Case Qty	Weight lb / *kg*
1-1/4 *32*	65X 3012	66X 3012	2.75 *69.9*	20	1.8 *0.8*
1-1/2 *40*	65X 3014	66X 3014	2.75 *69.9*	16	2.0 *0.9*
2 *50*	65X 3020	66X 3020	3.25 *82.6*	20	3.3 *1.5*
2-1/2 *65*	65X 3024	66X 3024	3.75 *95.3*	10	4.9 *2.2*
3 *80*	65X 3030	66X 3030	4.25 *108.0*	7	7.3 *3.3*
4 *100*	65X 3040	66X 3040	5.00 *127.0*	4	10.0 *4.5*
5 *125*	65X 3050	66X 3050	5.50 *139.7*	-	15.3 *6.9*
6 *150*	65X 3060	66X 3060	6.50 *165.1*	-	24.6 *11.1*
8 *200*	65X 3080	66X 3080	7.75 *196.9*	-	41.6 *18.9*

10" through 24" sizes available upon request.

Fig. 65FA & 66FA
Grooved x Flange Adapter

- Ductile Iron
- UL/FM – 2" to 8" only
- Matches Class 125/150 flange dimensions



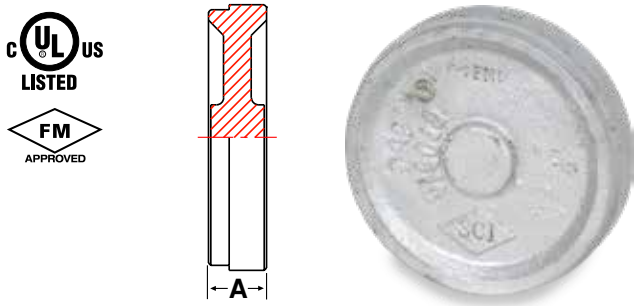
Pipe Size in / *mm*	Part Number Painted	Part Number Galvanized	A in / *mm*	Case Qty	Weight lb / *kg*
2 *50*	65FA3020	66FA3020	4.00 *101.6*	8	4.0 *1.8*
2-1/2 *65*	65FA3024	66FA3024	4.00 *101.6*	5	5.4 *2.5*
3 *80*	65FA3030	66FA3030	4.00 *101.6*	4	6.4 *2.9*
4 *100*	65FA3040	66FA3040	6.00 *152.4*	-	12.7 *5.8*
6 *150*	65FA3060	66FA3060	6.00 *152.4*	-	19.0 *8.6*
8 *200*	65FA3080	66FA3080	6.00 *152.4*	-	28.8 *13.1*
10 *250*	65FA3100F	66FA3100F	8.00 *203.2*	-	66.0 *30.0*
12 *300*	65FA3120F	66FA3120F	10.00 *254.0*	-	97.0 *44.1*

5" & 14" through 24" sizes available upon request.

Pipe Size in / *mm*	Part Number Painted	Part Number Galvanized	A in / *mm*	Case Qty	Weight lb / *kg*
1-1/4 *32*	65C 3012	66C 3012	0.88 *22.4*	200	0.3 *0.1*
1-1/2 *40*	65C 3014	66C 3014	0.88 *22.4*	140	0.4 *0.2*
2 *50*	65C 3020	66C 3020	0.88 *22.4*	80	0.6 *0.3*
2-1/2 *65*	65C 3024	66C 3024	0.88 *22.4*	60	1.0 *0.5*
3 *80*	65C 3030	66C 3030	0.88 *22.4*	40	1.5 *0.7*
4 *100*	65C 3040	66C 3040	1.00 *25.4*	24	2.6 *1.2*
5 *125*	65C 3050	66C 3050	1.00 *25.4*	12	4.0 *1.8*
6 *150*	65C 3060	66C 3060	1.00 *25.4*	10	5.4 *2.5*
8 *200*	65C 3080	66C 3080	1.19 *30.2*	5	11.5 *5.2*
10 *250*	65C 3100	66C 3100	1.26 *32.0*	-	17.7 *8.0*
12 *300*	65C 3120	66C 3120	1.26 *32.0*	-	23.6 *10.7*

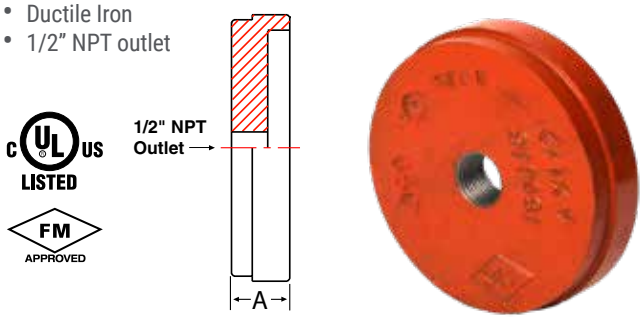
14" through 24" sizes available upon request.

Fig. 65C & 66C
Cap
- Ductile Iron



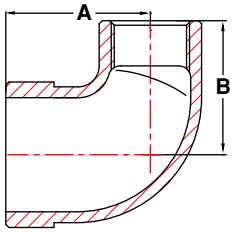
Pipe Size in / *mm*	Part Number Painted	A in / *mm*	Case Qty	Weight lb / *kg*
2 *50*	65CT3020004	0.88 *22.4*	80	0.6 *0.3*
3 *80*	65CT3030004	0.88 *22.4*	40	1.5 *0.7*
4 *100*	65CT3040004	1.00 *25.4*	24	2.6 *1.2*
6 *150*	65CT3060004	1.00 *25.4*	10	5.4 *2.5*
8 *200*	65CT3080004	1.19 *30.2*	5	11.5 *5.2*

Fig. 65CT
Grooved Cap with Center Tap
- Ductile Iron
- 1/2" NPT outlet



Pipe Size in / *mm*	Part Number Painted	Part Number Galvanized	A in / *mm*	B in / *mm*	Case Qty	Weight lb / *kg*
1-1/4 x 1/2 *32 x 15*	65AE3012004	66AE3012004	1.88 *48.0*	1.75 *44.4*	90	0.6 *0.3*
1-1/4 x 3/4 *32 x 20*	65AE3012006	66AE3012006	1.88 *48.0*	1.75 *44.5*	90	0.6 *0.3*
1-1/4 x 1 *32 x 25*	65AE3012010	66AE3012010	2.02 *51.3*	2.00 *50.8*	75	0.8 *0.3*
1-1/2 x 1/2 *40 x 15*	65AE3014004	66AE3014004	1.88 *48.0*	1.75 *44.4*	69	0.6 *0.3*
1-1/2 x 3/4 *40 x 20*	65AE3014006	66AE3014006	1.88 *48.0*	1.75 *44.4*	69	0.7 *0.3*
1-1/2 x 1 *40 x 25*	65AE3014010	66AE3014010	2.02 *51.3*	2.00 *50.8*	60	0.8 *0.4*
2 x 1/2 *50 x 15*	65AE3020004	66AE3020004	1.88 *48.0*	1.75 *44.4*	45	0.8 *0.4*
2 x 3/4 *50 x 20*	65AE3020006	66AE3020006	1.88 *48.0*	1.75 *44.4*	45	0.9 *0.4*
2 x 1 *50 x 25*	65AE3020010	66AE3020010	2.02 *51.3*	2.00 *50.8*	45	1.0 *0.5*
2-1/2 x 1/2 *65 x 15*	65AE3024004	66AE3024004	1.88 *48.0*	1.97 *50.0*	36	1.0 *0.5*
2-1/2 x 3/4 *65 x 20*	65AE3024006	66AE3024006	1.88 *48.0*	1.97 *50.0*	36	1.1 *0.5*
2-1/2 x 1 *65 x 25*	65AE3024010	66AE3024010	2.02 *51.3*	2.00 *50.8*	36	1.2 *0.5*

Fig. 65AE & 66AE
Adapter Elbow, Grooved x Threaded
- Ductile Iron - Full Flow
- Threads meet ASME B1.20.1

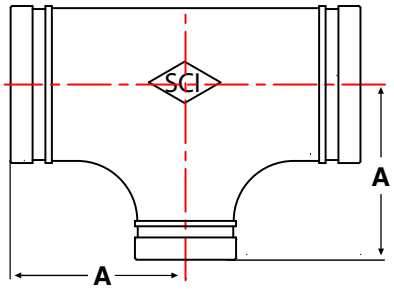


GROOVED

Please see complete installation instructions at www.smithcooper.com for important guidelines and limitations on the use and applications of COOPLOK™ Grooved Couplings and Fittings.

Fig. 65RT & 66RT
Reducing Tee

- Ductile Iron sizes – Full Flow
- UL/FM – 1-1/2" to 8"
- (F) Fabricated steel fittings – Schedule 40, cut grooved



Pipe Size	Part Number		A	Weight
in / *mm*	Painted	Galvanized	in / *mm*	lb / *kg*
1-1/2 x 1-1/4 *40 x 32*	65RT3014012F	66RT3014012F	2.75 *70.0*	1.7 *0.8*
2 x 1-1/4 *50 x 32*	65RT3020012F	66RT3020012F	3.25 *82.6*	2.5 *1.2*
2 x 1-1/2 *50 x 40*	65RT3020014	66RT3020014	3.25 *82.6*	2.6 *1.2*
2-1/2 x 1-1/4 *65 x 32*	65RT3024012F	66RT3024012F	3.75 *95.3*	4.1 *1.9*
2-1/2 x 1-1/2 *65 x 40*	65RT3024014F	66RT3024014F	3.75 *95.3*	4.5 *2.0*
2-1/2 x 2 *65 x 50*	65RT3024020	66RT3024020	3.75 *95.3*	3.5 *1.8*
3 x 1-1/4 *80 x 32*	65RT3030012F	66RT3030012F	4.25 *108.0*	6.2 *2.8*
3 x 1-1/2 *80 x 40*	65RT3030014	66RT3030014	4.25 *108.0*	6.1 *2.8*
3 x 2 *80 x 50*	65RT3030020	66RT3030020	4.25 *108.0*	6.4 *2.9*
3 x 2-1/2 *80 x 65*	65RT3030024	66RT3030024	4.25 *108.0*	5.2 *2.3*
4 x 1-1/4 *100 x 32*	65RT3040012F	66RT3040012F	5.00 *127.0*	9.7 *4.4*
4 x 1-1/2 *100 x 40*	65RT3040014F	66RT3040014F	5.00 *127.0*	10.4 *4.7*
4 x 2 *100 x 50*	65RT3040020	66RT3040020	5.00 *127.0*	8.3 *3.8*
4 x 2-1/2 *100 x 65*	65RT3040024	66RT3040024	5.00 *127.0*	7.9 *3.6*
4 x 3 *100 x 80*	65RT3040030	66RT3040030	5.00 *127.0*	8.1 *3.7*
5 x 1-1/4 *125 x 32*	65RT3050012F	66RT3050012F	5.50 *139.7*	14.5 *6.6*
5 x 1-1/2 *125 x 40*	65RT3050014F	66RT3050014F	5.50 *139.7*	14.7 *6.7*
5 x 2 *125 x 50*	65RT3050020F	66RT3050020F	5.50 *139.7*	14.6 *6.6*
5 x 2-1/2 *125 x 65*	65RT3050024F	66RT3050024F	5.50 *139.7*	14.1 *5.9*
5 x 3 *125 x 80*	65RT3050030F	66RT3050030F	5.50 *139.7*	14.7 *6.2*
5 x 4 *125 x 100*	65RT3050040F	66RT3050040F	5.50 *139.7*	14.7 *6.7*
6 x 1-1/4 *150 x 32*	65RT3060012F	66RT3060012F	6.50 *165.1*	21.1 *9.6*
6 x 1-1/2 *150 x 40*	65RT3060014F	66RT3060014F	6.50 *165.1*	21.2 *9.6*
6 x 2 *150 x 50*	65RT3060020	66RT3060020	6.50 *165.1*	21.5 *9.8*
6 x 2-1/2 *150 x 65*	65RT3060024	66RT3060024	6.50 *165.1*	19.0 *8.6*
6 x 3 *150 x 80*	65RT3060030	66RT3060030	6.50 *165.1*	18.5 *8.4*
6 x 4 *150 x 100*	65RT3060040	66RT3060040	6.50 *165.1*	18.7 *8.5*

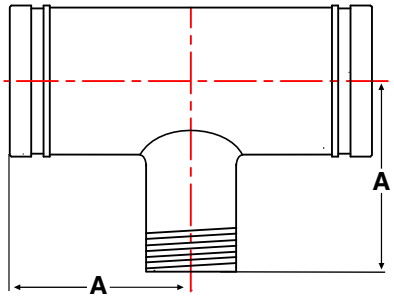
Pipe Size	Part Number		A	Weight
in / *mm*	Painted	Galvanized	in / *mm*	lb / *kg*
6 x 5 *150 x 125*	65RT3060050F	66RT3060050F	6.50 *165.1*	26.4 *12.0*
8 x 2 *200 x 50*	65RT3080020F	66RT3080020F	7.75 *196.9*	38.1 *17.3*
8 x 2-1/2 *200 x 65*	65RT3080024F	66RT3080024F	7.75 *196.9*	38.8 *17.6*
8 x 3 *200 x 80*	65RT3080030	66RT3080030	7.75 *196.9*	34.7 *17.9*
8 x 4 *200 x 100*	65RT3080040	66RT3080040	7.75 *196.9*	34.5 *15.7*
8 x 5 *200 x 125*	65RT3080050	66RT3080050	7.75 *196.9*	40.5 *18.3*
8 x 6 *200 x 150*	65RT3080060	66RT3080060	7.75 *196.9*	36.4 *16.5*
10 x 2 *250 x 50*	65RT3100020F	66RT3100020F	9.00 *228.6*	63.5 *28.8*
10 x 2-1/2 *250 x 65*	65RT3100024F	66RT3100024F	9.00 *228.6*	65.1 *29.5*
10 x 3 *250 x 80*	65RT3100030F	66RT3100030F	9.00 *228.6*	66.4 *30.1*
10 x 4 *250 x 100*	65RT3100040F	66RT3100040F	9.00 *228.6*	68.8 *24.3*
10 x 5 *250 x 150*	65RT3100050F	66RT3100050F	9.00 *228.6*	71.7 *32.5*
10 x 6 *250 x 150*	65RT3100060	66RT3100060	9.00 *228.6*	69.5 *31.5*
10 x 8 *250 x 200*	65RT3100080	66RT3100080	9.00 *228.6*	78.2 *35.4*
12 x 2 *300 x 50*	65RT3120020F	66RT3120020F	10.00 *254.0*	84.2 *38.2*
12 x 2-1/2 *300 x 65*	65RT3120024F	66RT3120024F	10.00 *254.0*	85.2 *38.7*
12 x 3 *300 x 80*	65RT3120030F	66RT3120030F	10.00 *254.0*	86.1 *39.1*
12 x 4 *300 x 100*	65RT3120040F	66RT3120040F	10.00 *254.0*	87.7 *39.8*
12 x 5 *300 x 125*	65RT3120050F	66RT3120050F	10.00 *254.0*	89.6 *40.7*
12 x 6 *300 x 150*	65RT3120060F	66RT3120060F	10.00 *254.0*	98.1 *44.5*
12 x 8 *300 x 200*	65RT3120080F	66RT3120080F	10.00 *254.0*	106.1 *48.1*
12 x 10 *300 x 250*	65RT3120100F	66RT3120100F	10.00 *254.0*	116.0 *52.6*
14 x 4 *350 x 100*	65RT3140040F	66RT3140040F	11.00 *279.4*	109.8 *49.8*
14 x 6 *350 x 150*	65RT3140060F	66RT3140060F	11.00 *279.4*	117.4 *53.2*
14 x 8 *350 x 200*	65RT3140080F	66RT3140080F	11.00 *279.4*	126.2 *57.3*
14 x 10 *350 x 250*	65RT3140100F	66RT3140100F	11.00 *279.4*	137.2 *62.2*
14 x 12 *350 x 300*	65RT3140120F	66RT3140120F	11.00 *279.4*	145.6 *66.0*

**Other sizes and configurations available by special order.*

Fig. 65RTT & 66RTT

Reducing Tee - Grooved x Male NPT

- (F) Fabricated steel fittings – all sizes Schedule 40, cut grooved
- UL/FM – 2" to 8"
- Male NPT threads conform to ASME B1.20.1



Pipe Size	Part Number		A	Weight
in / *mm*	Painted	Galvanized	in / *mm*	lb / *kg*
2 x 1 *50 x 25*	65RTT3020010F	66RTT3020010F	3.25 *82.6*	2.3 *1.0*
2 x 1-1/4 *50 x 32*	65RTT3020012F	66RTT3020012F	3.25 *82.6*	2.5 *1.1*
2 x 1-1/2 *50 x 40*	65RTT3020014F	66RTT3020014F	3.25 *82.6*	2.5 *1.1*
2-1/2 x 1 *65 x 25*	65RTT3024010F	66RTT3024010F	3.75 *95.3*	4.0 *1.8*
2-1/2 x 1-1/4 *65 x 32*	65RTT3024012F	66RTT3024012F	3.75 *95.3*	4.4 *1.9*
2-1/2 x 1-1/2 *65 x 40*	65RTT3024014F	66RTT3024014F	3.75 *95.3*	4.5 *2.0*
2-1/2 x 2 *65 x 50*	65RTT3024020F	66RTT3024020F	3.75 *95.3*	4.5 *2.0*
3 x 1 *80 x 25*	65RTT3030010F	66RTT3030010F	4.25 *108.0*	6.0 *2.7*
3 x 1-1/4 *80 x 32*	65RTT3030012F	66RTT3030012F	4.25 *108.0*	6.2 *2.8*
3 x 1-1/2 *80 x 40*	65RTT3030014F	66RTT3030014F	4.25 *108.0*	6.3 *2.8*
3 x 2 *80 x 50*	65RTT3030020F	66RTT3030020F	4.25 *108.0*	6.8 *3.1*
3 x 2-1/2 *80 x 65*	65RTT3030024F	66RTT3030024F	4.25 *108.0*	7.1 *3.2*
4 x 1 *100 x 25*	65RTT3040010F	66RTT3040010F	5.00 *127.0*	9.7 *4.3*
4 x 1-1/4 *100 x 32*	65RTT3040012F	66RTT3040012F	5.00 *127.0*	9.7 *4.4*
4 x 1-1/2 *100 x 40*	65RTT3040014F	66RTT3040014F	5.00 *127.0*	10.1 *4.5*
4 x 2 *100 x 50*	65RTT3040020F	66RTT3040020F	5.00 *127.0*	10.8 *4.9*
4 x 2-1/2 *100 x 65*	65RTT3040024F	66RTT3040024F	5.00 *127.0*	10.9 *4.9*
4 x 3 *100 x 80*	65RTT3040030F	66RTT3040030F	5.00 *127.0*	11.5 *5.2*
5 x 2 *125 x 50*	65RTT3050020F	66RTT3050020F	5.50 *139.7*	14.4 *6.5*
5 x 2-1/2 *125 x 65*	65RTT3050024F	66RTT3050024F	5.50 *139.7*	15.1 *6.8*
5 x 3 *125 x 80*	65RTT3050030F	66RTT3050030F	5.50 *139.7*	16.9 *7.7*
5 x 4 *125 x 100*	65RTT3050040F	66RTT3050040F	5.50 *139.7*	17.9 *8.1*
6 x 2 *150 x 50*	65RTT3060020F	66RTT3060020F	6.50 *165.1*	21.8 *9.9*
6 x 2-1/2 *150 x 65*	65RTT3060024F	66RTT3060024F	6.50 *165.1*	22.0 *20.7*

Pipe Size	Part Number		A	Weight
in / *mm*	Painted	Galvanized	in / *mm*	lb / *kg*
6 x 3 *150 x 80*	65RTT3060030F	66RTT3060030F	6.50 *165.1*	22.0 *10.0*
6 x 4 *150 x 100*	65RTT3060040F	66RTT3060040F	6.50 *165.1*	24.7 *11.2*
6 x 5 *150 x 125*	65RTT3060050F	66RTT3060050F	6.50 *165.1*	27.8 *12.6*
8 x 2 *200 x 50*	65RTT3080020F	66RTT3080020F	7.75 *196.9*	37.4 *17.0*
8 x 2-1/2 *200 x 65*	65RTT3080024F	66RTT3080024F	7.75 *196.9*	38.0 *17.2*
8 x 3 *200 x 80*	65RTT3080030F	66RTT3080030F	7.75 *196.9*	38.6 *17.5*
8 x 4 *200 x 100*	65RTT3080040F	66RTT3080040F	7.75 *196.9*	40.5 *18.3*
8 x 5 *200 x 125*	65RTT3080050F	66RTT3080050F	7.75 *196.9*	42.0 *19.0*
8 x 6 *200 x 150*	65RTT3080060F	66RTT3080060F	7.75 *196.9*	51.0 *23.1*
10 x 2 *250 x 50*	65RTT3100020F	66RTT3100020F	9.00 *228.6*	61.8 *28.0*
10 x 3 *250 x 80*	65RTT3100030F	66RTT3100030F	9.00 *228.6*	63.3 *28.7*
10 x 4 *250 x 100*	65RTT3100040F	66RTT3100040F	9.00 *228.6*	64.0 *29.0*
10 x 5 *250 x 125*	65RTT3100050F	66RTT3100050F	9.00 *228.6*	65.1 *29.5*
10 x 6 *250 x 150*	65RTT3100060F	66RTT3100060F	9.00 *228.6*	64.8 *24.9*
10 x 8 *250 x 200*	65RTT3100080F	66RTT3100080F	9.00 *228.6*	64.5 *29.3*
12 x 3 *300 x 80*	65RTT3120030F	66RTT3120030F	10.00 *254.0*	84.5 *38.4*
12 x 4 *300 x 100*	65RTT3120040F	66RTT3120040F	10.00 *254.0*	85.7 *38.9*
12 x 5 *300 x 125*	65RTT3120050F	66RTT3120050F	10.00 *254.0*	87.0 *39.5*
12 x 6 *300 x 150*	65RTT3120060F	66RTT3120060F	10.00 *254.0*	88.2 *40.0*
12 x 8 *300 x 200*	65RTT3120080F	66RTT3120080F	10.00 *254.0*	91.0 *41.3*
12 x 10 *300 x 250*	65RTT3120100F	66RTT3120100F	10.00 *254.0*	94.7 *43.0*
14 x 8 *350 x 200*	65RTT3140080F	66RTT3140080F	11.00 *279.4*	110.0 *50.0*
14 x 10 *350 x 250*	65RTT3140100F	66RTT3140100F	11.00 *279.4*	114.0 *51.8*
14 x 12 *350 x 300*	65RTT3140120F	66RTT3140120F	11.00 *279.4*	117.0 *53.1*

**Other sizes and configurations available by special order.*

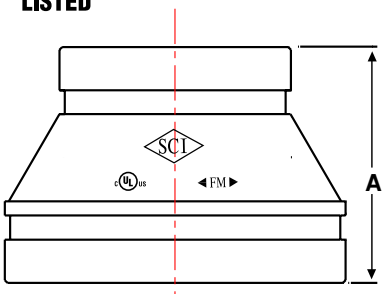
GROOVED

Please see complete installation instructions at www.smithcooper.com for important guidelines and limitations on the use and applications of COOPLOK™ Grooved Couplings and Fittings.

Fig. 65CR & 66CR
Concentric Reducer

- Ductile Iron sizes – Full Flow
- UL/FM – 2" to 8"
- (F) Fabricated steel fittings – Schedule 40, cut grooved

c UL us LISTED FM APPROVED



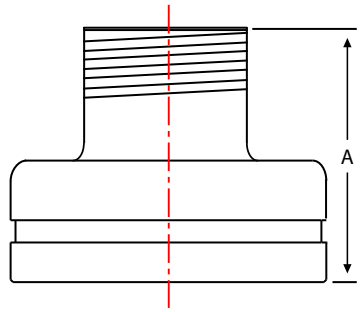
Pipe Size	Part Number		A	Weight
in / *mm*	Painted	Galvanized	in / *mm*	lb / *kg*
2 x 1 *50 x 25*	65CR3020010F	66CR3020010F	2.50 *64.0*	0.8 *0.4*
2 x 1-1/4 *50 x 32*	65CR3020012	66CR3020012	2.50 *64.0*	0.7 *0.3*
2 x 1-1/2 *50 x 40*	65CR3020014	66CR3020014	2.50 *64.0*	0.8 *0.4*
2-1/2 x 1 *65 x 25*	65CR3024010F	66CR3024010F	2.50 *64.0*	1.0 *0.5*
2-1/2 x 1-1/4 *65 x 32*	65CR3024012	66CR3024012	2.50 *64.0*	1.1 *0.50*
2-1/2 x 1-1/2 *65 x 40*	65CR3024014	66CR3024014	2.50 *64.0*	1.0 *0.5*
2-1/2 x 2 *65 x 50*	65CR3024020	66CR3024020	2.50 *64.0*	1.1 *0.5*
3 x 1 *80 x 25*	65CR3030010F	66CR3030010F	2.50 *64.0*	1.3 *0.6*
3 x 1-1/4 *80 x 32*	65CR3030012	66CR3030012	2.50 *64.0*	1.4 *0.6*
3 x 1-1/2 *80 x 40*	65CR3030014	66CR3030014	2.50 *64.0*	1.3 *0.6*
3 x 2 *80 x 50*	65CR3030020	66CR3030020	2.50 *64.0*	1.3 *0.6*
3 x 2-1/2 *80 x 65*	65CR3030024	66CR3030024	2.50 *64.0*	1.4 *0.6*
3-1/2 x 3 *90 x 80*	65CR3034030F	66CR3034030F	2.50 *64.0*	2.8 *1.3*
4 x 1 *100 x 25*	65CR3040010F	66CR3040010F	3.00 *76.2*	2.1 *1.0*
4 x 1-1/4 *100 x 32*	65CR3040012F	66CR3040012F	3.00 *76.2*	1.7 *0.8*
4 x 1-1/2 *100 x40*	65CR3040014	66CR3040014	3.00 *76.2*	2.3 *1.0*
4 x 2 *100 x 50*	65CR3040020	66CR3040020	3.00 *76.2*	2.3 *1.0*
4 x 2-1/2 *100 x 65*	65CR3040024	66CR3040024	3.00 *76.2*	2.5 *1.0*
4 x 3 *100 x 80*	65CR3040030	66CR3040030	3.00 *76.2*	2.4 *1.0*
4 x 3-1/2 *100 x 90*	65CR3040034F	66CR3040034F	3.00 *76.2*	2.8 *1.3*
5 x 2 *125 x 50*	65CR3050020F	66CR3050020F	4.00 *102.1*	2.7 *1.2*
5 x 2-1/2 *125 x 65*	65CR3050024F	66CR3050024F	4.00 *102.1*	3.1 *1.4*
5 x 3 *125 x 80*	65CR3050030	66CR3050030	3.50 *89.0*	3.3 *1.5*

Pipe Size	Part Number		A	Weight
in / *mm*	Painted	Galvanized	in / *mm*	lb / *kg*
5 x 4 *125 x 100*	65CR3050040	66CR3050040	3.50 *89.0*	3.7 *1.7*
6 x 1 *150 x 25*	65CR3060010F	66CR3060010F	4.00 *102.1*	4.1 *1.9*
6 x 1-1/2 *150 x 40*	65CR3060014F	66CR3060014F	4.00 *102.1*	4.3 *2.0*
6 x 2 *150 x 50*	65CR3060020	66CR3060020	4.00 *102.1*	5.5 *2.5*
6 x 2-1/2 *150 x 65*	65CR3060024	66CR3060024	4.00 *102.1*	5.7 *2.6*
6 x 3 *150 x 80*	65CR3060030	66CR3060030	4.00 *102.1*	5.3 *2.4*
6 x 4 *150 x 100*	65CR3060040	66CR3060040	4.00 *102.1*	5.4 *2.5*
6 x 5 *150 x 125*	65CR3060050	66CR3060050	4.00 *102.1*	5.7 *2.6*
8 x 3 *200 x 80*	65CR3080030	66CR3080030	5.00 *127.0*	10.5 *4.8*
8 x 4 *200 x 100*	65CR3080040	66CR3080040	5.0 *127.0*	10.2 *4.6*
8 x 5 *200 x 125*	65CR3080050	66CR3080050	5.00 *127.0*	10.9 *5.0*
8 x 6 *200 x 150*	65CR3080060	66CR3080060	5.00 *127.0*	10.6 *4.8*
10 x 4 *250 x 100*	65CR3100040	66CR3100040	6.00 *152.0*	22.0 *10.0*
10 x 5 *250 x 125*	65CR3100050F	66CR3100050F	6.00 *152.0*	21.7 *9.9*
10 x 6 *250 x 100*	65CR3100060	66CR3100060	6.00 *152.0*	21.3 *9.7*
10 x 8 *250 x 200*	65CR3100080	66CR3100080	6.00 *152.0*	20.7 *9.4*
12 x 6 *300 x 150*	65CR3120060F	66CR3120060F	7.00 *178.0*	26.5 *12.0*
12 x 8 *300 x 200*	65CR3120080F	66CR3120080F	7.00 *178.0*	30.7 *14.0*
12 x 10 *300 x 250*	65CR3120100F	66CR3120100F	7.00 *178.0*	32.2 *14.6*
14 x 6 *350 x 150*	65CR3140060F	66CR3140060F	13.00 *330.2*	94.5 *43.0*
14 x 8 *350 x 200*	65CR3140080F	66CR3140080F	13.00 *330.2*	100.0 *45.5*
14 x 10 *350 x 250*	65CR3140100F	66CR3140100F	13.00 *330.2*	107.0 *48.6*
14 x 12 *350 x 300*	65CR3140120F	66CR3140120F	13.00 *330.2*	113.0 *51.7*

(F) Fabricated fitting "A" dimension may differ from other manufacturers' products.
Other sizes and configurations available by special order.

Fig. 65CRT & 66CRT
Concentric Reducer Male NPT

- (F) Fabricated steel fittings – Schedule 40, cut grooved
- UL/FM – 1-1/2" to 8"
- Male NPT threads conform to ASME B1.20.1



Pipe Size	Part Number		A	Weight
in / *mm*	Painted	Galvanized	in / *mm*	lb / *kg*
1-1/2 x 1 *65 x 25*	65CRT3024010F	66CRT3024010F	3.50 *88.9*	0.6 *0.3*
2 x 1 *50 x 25*	65CRT3020010F	66CRT3020010F	3.50 *88.9*	1.5 *0.7*
2 x 1-1/4 *50 x 32*	65CRT3020012F	66CRT3020012F	3.50 *88.9*	1.5 *0.7*
2 x 1-1/2 *50 x 40*	65CRT3020014F	66CRT3020014F	3.50 *88.9*	1.5 *0.7*
2-1/2 x 1 *65 x 25*	65CRT3024010F	66CRT3024010F	3.75 *95.3*	1.6 *0.7*
2-1/2 x 1-1/4 *65 x 32*	65CRT3024012F	66CRT3024012F	3.75 *95.3*	1.6 *0.7*
2-1/2 x 1-1/2 *65 x 40*	65CRT3024014F	66CRT3024014F	3.75 *95.3*	1.5 *0.7*
2-1/2 x 2 *65 x 50*	65CRT3024020F	66CRT3024020F	3.75 *95.3*	1.7 *0.8*
3 x 1 *80 x 25*	65CRT3030010F	66CRT3030010F	3.75 *95.3*	2.6 *1.1*
3 x 1-1/4 *80 x 32*	65CRT3030012F	66CRT3030012F	3.75 *95.3*	2.7 *1.2*
3 x 1-1/2 *80 x 40*	65CRT3030014F	66CRT3030014F	3.75 *95.3*	2.8 *1.2*
3 x 2 *80 x 50*	65CRT3030020F	66CRT3030020F	3.75 *95.3*	2.7 *1.2*
3 x 2-1/2 *80 x 65*	65CRT3030024F	66CRT3030024F	3.75 *95.3*	2.5 *1.1*
4 x 1 *100 x 25*	65CRT3040010F	66CRT3040010F	4.00 *102.1*	3.6 *1.6*
4 x 1-1/4 *100 x 32*	65CRT3040012F	66CRT3040012F	4.00 *102.1*	3.7 *1.7*
4 x 1-1/2 *100 x40*	65CRT3040014F	66CRT3040014F	4.00 *102.1*	3.8 *1.7*
4 x 2 *100 x 50*	65CRT3040020F	66CRT3040020F	4.00 *102.1*	3.5 *1.6*
4 x 2-1/2 *100 x 65*	65CRT3040024F	66CRT3040024F	4.00 *102.1*	3.8 *1.7*
4 x 3 *100 x 80*	65CRT3040030F	66CRT3040030F	4.00 *102.1*	4.2 *1.9*

Pipe Size	Part Number		A	Weight
in / *mm*	Painted	Galvanized	in / *mm*	lb / *kg*
5 x 4 *125 x 100*	65CRT3050040F	66CRT3050040F	4.25 *108.0*	6.4 *2.9*
6 x 1 *150 x 25*	65CRT3060010F	66CRT3060010F	4.25 *108.0*	7.9 *3.6*
6 x 1-1/4 *150 x 32*	65CRT3060012F	66CRT3060012F	4.25 *108.0*	7.9 *3.6*
6 x 1-1/2 *150 x 40*	65CRT3060014F	66CRT3060014F	4.50 *112.0*	8.1 *3.7*
6 x 2 *150 x 50*	65CRT3060020F	66CRT3060020F	4.50 *112.0*	8.7 *4.0*
6 x 3 *150 x 80*	65CRT3060030F	66CRT3060030F	4.50 *112.0*	9.9 *4.5*
6 x 4 *150 x 100*	65CRT3060040F	66CRT3060040F	4.50 *112.0*	9.9 *4.5*
6 x 5 *150 x 125*	65CRT3060050F	66CRT3060050F	4.50 *112.0*	9.9 *4.5*
8 x 3 *200 x 80*	65CRT3080030F	66CRT3080030F	5.00 *127.0*	14.9 *6.7*
8 x 4 *200 x 100*	65CRT3080040F	66CRT3080040F	5.00 *127.0*	14.8 *6.7*
8 x 5 *200 x 125*	65CRT3080050F	66CRT3080050F	5.00 *127.0*	15.6 *7.0*
8 x 6 *200 x 150*	65CRT3080060F	66CRT3080060F	5.00 *127.0*	18.9 *8.5*
10 x 4 *250 x 100*	65CRT3100040F	66CRT3100040F	6.00 *152.0*	31.9 *14.4*
10 x 5 *250 x 125*	65CRT3100050F	66CRT3100050F	6.00 *152.0*	31.0 *12.74*
10 x 6 *250 x 150*	65CRT3100060F	66CRT3100060F	6.00 *152.0*	31.9 *14.4*
10 x 8 *250 x 200*	65CRT3100080F	66CRT3100080F	6.00 *152.0*	34.3 *15.6*
12 x 4 *300 x 100*	65CRT3120040F	66CRT3120040F	7.00 *178.0*	33.8 *15.4*
12 x 6 *300 x 150*	65CRT3120060F	66CRT3120060F	7.00 *178.0*	38.3 *17.4*
12 x 8 *300 x 200*	65CRT3120080F	66CRT3120080F	7.00 *178.0*	41.3 *18.7*

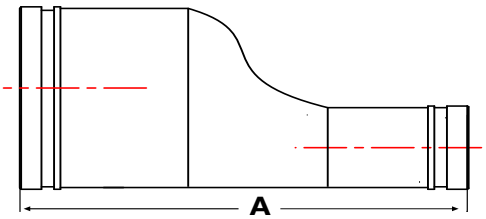
(F) Fabricated fitting "A" dimension may differ from other manufacturers' products.
Other sizes and configurations available by special order.

GROOVED

Please see complete installation instructions at www.smithcooper.com for important guidelines and limitations on the use and applications of COOPLOK™ Grooved Couplings and Fittings.

Fig. 65ER & 66ER
Eccentric Reducer

- (F) Fabricated steel fittings – Full Flow Schedule 40, cut grooved
- UL/FM – 2" to 8"



Pipe Size	Part Number		A	Weight
in / *mm*	Painted	Galvanized	in / *mm*	lb / *kg*
2 x 1 *50 x 25*	65ER3020010F	66ER3020010F	9.00 *228.6*	0.8 *0.4*
2 x 1-1/4 *50 x 32*	65ER3020012F	66ER3020012F	9.00 *228.6*	0.9 *0.4*
2 x 1-1/2 *50 x 40*	65ER3020014F	66ER3020014F	9.00 *228.6*	1.0 *0.5*
2-1/2 x 1 *65 x 25*	65ER3024010F	66ER3024010F	9.50 *241.3*	1.0 *0.5*
2-1/2 x 1-1/4 *65 x 32*	65ER3024012F	66ER3024012F	9.50 *241.3*	1.3 *0.6*
2-1/2 x 1-1/2 *65 x 40*	65ER3024014F	66ER3024014F	9.50 *241.3*	0.9 *0.4*
2-1/2 x 2 *65 x 50*	65ER3024020F	66ER3024020F	9.50 *241.3*	1.1 *0.5*
3 x 1 *80 x 25*	65ER3030010F	66ER3030010F	9.50 *241.3*	1.6 *0.7*
3 x 1-1/4 *80 x 32*	65ER3030012F	66ER3030012F	9.50 *241.3*	1.7 *0.8*
3 x 1-1/2 *80 x 40*	65ER3030014F	66ER3030014F	9.50 *241.3*	1.2 *0.5*
3 x 2 *80 x 50*	65ER3030020F	66ER3030020F	9.50 *241.3*	1.5 *0.7*
3 x 2-1/2 *80 x 65*	65ER3030024F	66ER3030024F	9.50 *241.3*	1.5 *0.7*
3-1/2 x 3 *90 x 80*	65ER3034030F	66ER3034030F	9.50 *241.3*	2.8 *1.3*
4 x 1 *100 x 25*	65ER3040010F	66ER3040010F	10.00 *254.0*	2.1 *1.0*
4 x 1-1/4 *100 x 32*	65ER3040012F	66ER3040012F	10.00 *254.0*	1.7 *0.8*
4 x 1-1/2 *100 x40*	65ER3040014F	66ER3040014F	10.00 *254.0*	1.8 *0.8*
4 x 2 *100 x 50*	65ER3040020F	66ER3040020F	10.00 *254.0*	2.0 *0.9*
4 x 2-1/2 *100 x 65*	65ER3040024F	66ER3040024F	10.00 *254.0*	2.3 *1.0*
4 x 3 *100 x 80*	65ER3040030F	66ER3040030F	10.00 *254.0*	2.5 *1.1*
4 x 3-1/2 *100 x 90*	65ER3040034F	66ER3040034F	10.00 *254.0*	2.8 *1.3*
5 x 2 *125 x 50*	65ER3050020F	66ER3050020F	11.00 *279.4*	2.7 *1.2*
5 x 2-1/2 *125 x 65*	65ER3050024F	66ER3050024F	11.00 *279.4*	3.1 *1.4*
5 x 3 *125 x 80*	65ER3050030F	66ER3050030F	11.00 *279.4*	3.3 *1.5*

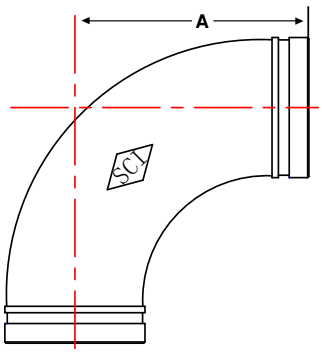
Pipe Size	Part Number		A	Weight
in / *mm*	Painted	Galvanized	in / *mm*	lb / *kg*
5 x 4 *125 x 100*	65ER3050040F	66ER3050040F	11.00 *279.4*	3.8 *1.7*
6 x 1 *150 x 25*	65ER3060010F	66ER3060010F	11.50 *292.1*	4.1 *1.9*
6 x 1-1/2 *150 x 40*	65ER3060014F	66ER3060014F	11.50 *292.1*	4.3 *2.0*
6 x 2 *150 x 50*	65ER3060020F	66ER3060020F	11.50 *292.1*	3.8 *1.7*
6 x 2-1/2 *150 x 65*	65ER3060024F	66ER3060024F	11.50 *292.1*	5.7 *2.6*
6 x 3 *150 x 80*	65ER3060030F	66ER3060030F	11.50 *292.1*	4.0 *1.8*
6 x 4 *150 x 100*	65ER3060040F	66ER3060040F	11.50 *292.1*	7.1 *3.2*
6 x 5 *150 x 125*	65ER3060050F	66ER3060050F	11.50 *292.1*	8.2 *3.7*
8 x 3 *200 x 80*	65ER3080030F	66ER3080030F	12.00 *304.8*	8.4 *3.8*
8 x 4 *200 x 100*	65ER3080040F	66ER3080040F	12.00 *304.8*	8.3 *3.8*
8 x 5 *200 x 125*	65ER3080050F	66ER3080050F	12.00 *304.8*	9.1 *4.1*
8 x 6 *200 x 150*	65ER3080060F	66ER3080060F	12.00 *304.8*	10.0 *4.5*
10 x 4 *250 x 100*	65ER3100040F	66ER3100040F	13.00 *330.2*	14.9 *6.8*
10 x 5 *250 x 125*	65ER3100050F	66ER3100050F	13.00 *330.2*	11.0 *5.0*
10 x 6 *250 x 150*	65ER3100060F	66ER3100060F	13.00 *330.2*	14.9 *6.8*
10 x 8 *250 x 200*	65ER3100080F	66ER3100080F	13.00 *330.2*	17.3 *7.8*
12 x 6 *300 x 150*	65ER3120060F	66ER3120060F	14.00 *355.6*	16.3 *7.4*
12 x 8 *300 x 200*	65ER3120080F	66ER3120080F	14.00 *355.6*	19.3 *8.8*
12 x 10 *300 x 250*	65ER3120100F	66ER3120100F	14.00 *355.6*	23.0 *10.4*
14 x 6 *350 x 150*	65ER3140060F	66ER3140060F	13.00 *330.2*	96.0 *43.5*
14 x 8 *350 x 200*	65ER3140080F	66ER3140080F	13.00 *330.2*	76.6 *34.7*
14 x 10 *350 x 250*	65ER3140100F	66ER3140100F	13.00 *330.2*	77.6 *35.2*
14 x 12 *350 x 300*	65ER3140120F	66ER3140120F	13.00 *330.2*	89.2 *40.5*

(F) Fabricated fitting "A" dimension may differ from other manufacturers' products.
Other sizes and configurations available by special order.

Pipe Size in / *mm*	Part Number		A in / *mm*	Weight lb / *kg*
	Painted	Galvanized		
1 *25*	65ELR3010F	66ELR3010F	3.00 *76.0*	1.2 *0.5*
1-1/4 *32*	65ELR3012F	66ELR3012F	3.88 *99.0*	1.4 *0.6*
1-1/2 *40*	65ELR3014F	66ELR3014F	4.25 *108.0*	1.8 *0.8*
2 *50*	65ELR3020F	66ELR3020F	4.38 *111.0*	2.6 *1.2*
2-1/2 *65*	65ELR3024F	66ELR3024F	5.75 *146.0*	5.1 *2.3*
3 *80*	65ELR3030F	66ELR3030F	5.88 *149.0*	6.6 *3.0*
4 *100*	65ELR3040F	66ELR3040F	7.50 *191.0*	11.6 *5.3*
5 *125*	65ELR3050F	66ELR3050F	9.50 *241.0*	20.0 *9.1*
6 *150*	65ELR3060F	66ELR3060F	10.75 *273.0*	29.5 *13.4*
8 *200*	65ELR3080F	66ELR3080F	15.00 *381.0*	62.1 *28.2*
10 *250*	65ELR3100F	66ELR3100F	18.00 *457.0*	103.7 *47.1*
12 *300*	65ELR3120F	66ELR3120F	21.00 *533.0*	147.8 *67.2*
14 *350*	65ELR3140F	66ELR3140F	21.00 *533.0*	159.0 *72.3*
16 *400*	65ELR3160F	66ELR3160F	24.00 *610.0*	211.0 *95.9*
18 *450*	65ELR3180F	66ELR3180F	27.00 *686.0*	269.0 *122.3*
20 *500*	65ELR3200F	66ELR3200F	32.00 *813.0*	332.0 *150.9*
24 *600*	65ELR3240F	66ELR3240F	36.00 *914.0*	470.0 *213.6*

Fig. 65ELR & 66ELR
90° Long Radius Elbow – 1-1/2 D

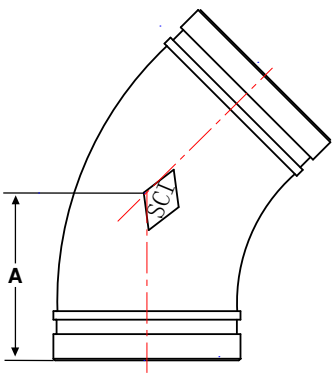
- (F) Fabricated steel fittings – Full Flow (all sizes) Schedule 40, cut grooved



Pipe Size in / *mm*	Part Number		A in / *mm*	Weight lb / *kg*
	Painted	Galvanized		
1 *25*	65FLR3010F	66FLR3010F	2.50 *64.0*	0.9 *0.4*
1-1/4 *32*	65FLR3012F	66FLR3012F	2.50 *64.0*	1.1 *0.5*
1-1/2 *40*	65FLR3014F	66FLR3014F	2.50 *64.0*	1.3 *0.6*
2 *50*	65FLR3020F	66FLR3020F	2.75 *70.0*	2.2 *1.0*
2-1/2 *65*	65FLR3024F	66FLR3024F	3.00 *76.0*	3.4 *1.5*
3 *80*	65FLR3030F	66FLR3030F	3.38 *86.0*	5.2 *2.4*
4 *100*	65FLR3040F	66FLR3040F	4.00 *102.0*	10.0 *4.5*
5 *125*	65FLR3050F	66FLR3050F	5.00 *127.0*	13.2 *6.0*
6 *150*	65FLR3060F	66FLR3060F	5.50 *140.0*	18.1 *8.2*
8 *200*	65FLR3080F	66FLR3080F	7.25 *184.0*	35.0 *15.9*
10 *250*	65FLR3100F	66FLR3100F	8.50 *216.0*	59.0 *26.8*
12 *300*	65FLR3120F	66FLR3120F	10.00 *254.0*	102.0 *46.4*
14 *350*	65FLR3140F	66FLR3140F	8.75 *222.0*	122.0 *55.5*
16 *400*	65FLR3160F	66FLR3160F	10.00 *254.0*	134.0 *60.9*
18 *450*	65FLR3180F	66FLR3180F	11.25 *286.0*	133.0 *60.5*
20 *500*	65FLR3200F	66FLR3200F	12.50 *318.0*	165.0 *75.0*
24 *600*	65FLR3240F	66FLR3240F	15.00 *381.0*	237.0 *107.7*

Fig. 65FLR & 66FLR
45° Long Radius Elbow – 1-1/2 D

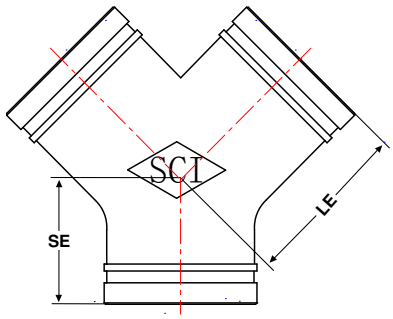
- (F) Fabricated steel fittings – Full Flow (all sizes) Schedule 40, cut grooved



3D, 5D & 6D Long Radius Fittings available on request.

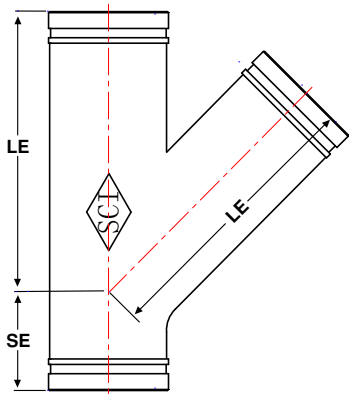
GROOVED

Fig. 65Y & 66Y
True Wye
- (F) Fabricated steel fittings – all sizes
  Schedule 40, cut grooved



Pipe Size in / *mm*	Part Number Painted	Part Number Galvanized	LE in / *mm*	SE in / *mm*	Weight lb / *kg*
1 *25*	65Y3010F	66Y3010F	2.75 *70.0*	2.50 *64.0*	1.0 *0.5*
1-1/4 *32*	65Y3012F	66Y3012F	2.75 *70.0*	2.50 *64.0*	1.5 *0.7*
1-1/2 *40*	65Y3014F	66Y3014F	2.75 *70.0*	2.75 *70.0*	1.8 *0.8*
2 *50*	65Y3020F	66Y3020F	3.25 *83.0*	2.75 *70.0*	2.4 *1.1*
2-1/2 *65*	65Y3024F	66Y3024F	3.75 *95.0*	3.00 *76.0*	4.9 *2.2*
3 *80*	65Y3030F	66Y3030F	4.25 *108.0*	3.25 *83.0*	5.9 *2.8*
4 *100*	65Y3040F	66Y3040F	5.00 *127.0*	3.75 *95.0*	10.2 *4.5*
5 *125*	65Y3050F	66Y3050F	5.50 *140.0*	4.00 *102.0*	14.7 *6.8*
6 *150*	65Y3060F	66Y3060F	6.50 *165.0*	4.50 *114.0*	20.2 *9.2*
8 *200*	65Y3080F	66Y3080F	7.75 *197.0*	6.00 *152.0*	34.5 *15.7*
10 *250*	65Y3100F	66Y3100F	9.00 *229.0*	6.50 *165.0*	48.0 *21.8*
12 *300*	65Y3120F	66Y3120F	10.00 *254.0*	7.00 *178.0*	84.8 *38.5*
14 *350*	65Y3140F	66Y3140F	11.00 *279.0*	7.50 *191.0*	101.0 *45.9*
16 *400*	65Y3160F	66Y3160F	12.00 *305.0*	8.00 *203.0*	125.0 *56.8*
18 *450*	65Y3180F	66Y3180F	15.50 *394.0*	8.50 *216.0*	180.0 *81.8*
20 *500*	65Y3200F	66Y3200F	17.25 *438.0*	9.00 *229.0*	217.0 *98.6*
24 *600*	65Y3240F	66Y3240F	20.00 *508.0*	10.00 *254.0*	298.0 *135.5*

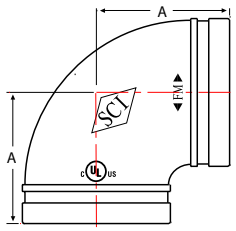
Fig. 65LY & 66LY
45° Lateral
- (F) Fabricated steel fittings – all sizes
  Schedule 40, cut grooved



Pipe Size in / *mm*	Part Number Painted	Part Number Galvanized	LE in / *mm*	SE in / *mm*	Weight lb / *kg*
1 *25*	65LY3010F	66LY3010F	5.00 *127.0*	2.25 *57.0*	1.5 *0.7*
1-1/4 *32*	65LY3012F	66LY3012F	5.75 *146.0*	2.50 *64.0*	2.2 *1.0*
1-1/2 *40*	65LY3014F	66LY3014F	6.25 *159.0*	2.75 *70.0*	3.2 *1.5*
2 *50*	65LY3020F	66LY3020F	7.00 *178.0*	2.75 *70.0*	4.4 *2.0*
2-1/2 *65*	65LY3024F	66LY3024F	7.75 *197.0*	3.00 *76.0*	9.8 *4.5*
3 *80*	65LY3030F	66LY3030F	8.50 *216.0*	3.25 *83.0*	11.0 *5.0*
4 *100*	65LY3040F	66LY3040F	10.50 *267*	3.75 *95.0*	18.0 *8.2*
5 *125*	65LY3050F	66LY3050F	12.50 *318.0*	4.00 *102.0*	28.5 *13.0*
6 *150*	65LY3060F	66LY3060F	14.00 *356.0*	4.50 *114.0*	39.0 *17.7*
8 *200*	65LY3080F	66LY3080F	18.00 *457.0*	6.00 *152.0*	81.8 *37.2*
10 *250*	65LY3100F	66LY3100F	20.50 *521.0*	6.50 *165.0*	127.0 *57.7*
12 *300*	65LY3120F	66LY3120F	23.00 *584.0*	7.00 *178.0*	157.0 *71.4*
14 *350*	65LY3140F	66LY3140F	26.50 *673.0*	7.50 *191.0*	201.0 *91.4*
16 *400*	65LY3160F	66LY3160F	29.00 *737.0*	8.00 *203.0*	340.0 *154.5*
18 *450*	65LY3180F	66LY3180F	32.00 *813.0*	8.50 *216.0*	420.0 *190.9*
20 *500*	65LY3200F	66LY3200F	35.00 *889.0*	9.00 *229.0*	515.0 *234.1*
24 *600*	65LY3240F	66LY3240F	40.00 *1016.0*	10.00 *254.0*	930.0 *422.7*

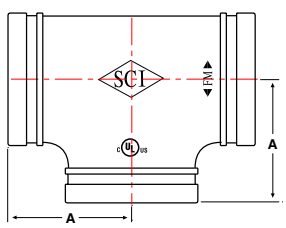
Pipe Size in / *mm*	Part Number Painted	Part Number Galvanized	A in / *mm*	Case Qty	Weight lb / *kg*
2 *50*	65ES3020	66ES3020	2.75 *69.9*	26	1.5 *0.7*
2-1/2 *65*	65ES3024	66ES3024	3.00 *76.2*	16	2.0 *0.9*
3 *80*	65ES3030	66ES3030	3.38 *85.9*	20	2.9 *1.3*
4 *100*	65ES3040	66ES3040	4.00 *101.6*	12	4.6 *2.1*
6 *150*	65ES3060	66ES3060	5.50 *139.7*	-	11.4 *5.2*
8 *200*	65ES3080	66ES3080	6.81 *173.0*	-	22.7 *10.3*

Fig. 65ES & 66ES
90° Elbow, Short Radius
- Ductile Iron - Full Flow



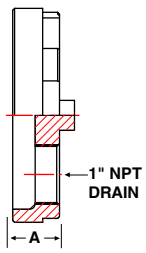
Pipe Size in / *mm*	Part Number Painted	Part Number Galvanized	A in / *mm*	Case Qty	Weight lb / *kg*
2 *50*	65TS3020	66TS3020	2.75 *69.9*	16	2.1 *0.9*
2-1/2 *65*	65TS3024	66TS3024	3.00 *76.2*	12	2.8 *1.3*
3 *80*	65TS3030	66TS3030	3.38 *85.9*	12	4.1 *1.9*
4 *100*	65TS3040	66TS3040	4.00 *101.6*	8	6.6 *3.0*
6 *150*	65TS3060	66TS3060	5.50 *139.7*	-	11.1 *5.0*
8 *200*	65TS3080	66TS3080	6.94 *176.3*	-	16.8 *7.6*

Fig. 65TS & 66TS
Tee, Short Radius
- Ductile Iron - Full Flow



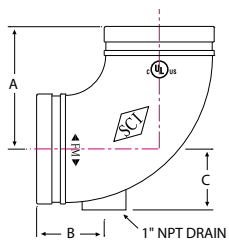
Pipe Size in / *mm*	Part Number Painted	Part Number Galvanized	A in / *mm*	Case Qty	Weight lb / *kg*
2 *50*	65DC3020	66DC3020	0.88 *22.4*	80	0.7 *0.3*
2-1/2 *65*	65DC3024	66DC3024	0.88 *22.4*	60	0.8 *0.4*
3 *80*	65DC3030	66DC3030	0.88 *22.4*	40	1.3 *0.6*
4 *100*	65DC3040	66DC3040	1.00 *25.4*	24	2.1 *0.9*
5 *125*	65DC3050	66DC3050	1.00 *25.4*	12	3.5 *1.6*
6 *150*	65DC3060	66DC3060	1.00 *25.4*	10	4.9 *2.2*
8 *200*	65DC3080	66DC3080	1.20 *30.5*	5	10.1 *4.6*

Fig. 65DC & 66DC
Drain Cap
- Ductile Iron
- 1" NPT drain



Pipe Size in / *mm*	Part Number Painted	Part Number Galvanized	A in / *mm*	B in / *mm*	C in / *mm*	Case Qty	Weight lb / *kg*
2 *50*	65DE3020	66DE3020	3.25 *82.6*	2.76 *70.0*	1.30 *33.0*	20	1.8 *0.8*
2-1/2 *65*	65DE3024	66DE3024	3.75 *95.3*	2.76 *70.0*	1.68 *42.7*	12	2.6 *1.2*
3 *80*	65DE3030	66DE3030	4.25 *108.0*	2.76 *70.0*	2.10 *53.3*	15	3.7 *1.7*
4 *100*	65DE3040	66DE3040	5.00 *127.0*	2.76 *70.0*	2.60 *66.0*	8	5.9 *2.7*
6 *150*	65DE3060	66DE3060	6.50 *165.1*	2.76 *70.0*	3.65 *92.7*	-	13.9 *6.3*
8 *200*	65DE3080	66DE3080	7.75 *196.9*	2.76 *70.0*	4.57 *116.1*	-	26.6 *12.1*

Fig. 65DE & 66DE
Drain Elbow – Standard Radius
- Ductile Iron - Full Flow
- 1" NPT drain



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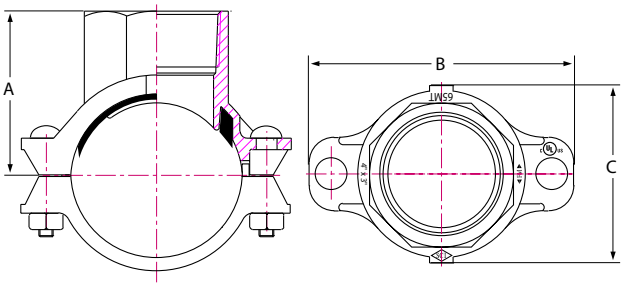


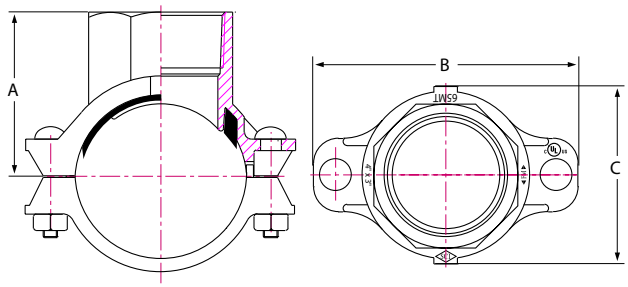
Fig. 65MT & 66MT
Mechanical Tee, NPT

- Maximum working pressure 500 psi (34.5 bar) depending on size and schedule of pipe
- ASME B1.20.1 NPT Threads
- Equivalent length in feet of Schedule 40 outlet pipe with a Hazen-Williams coefficient of 120 per UL 213
- All housings, gaskets and bolts identified by SCI logo
- 100% Magnetic Particle inspection of each Bolt
- Each bolt has a minimum tensile strength of 110,000 psi
- Gasket Grade E - EPDM (green stripe) -30˚F (-34˚C) to +230˚F (+110˚C)
- Ductile iron housings conform to ASTM A-536
- Smith-Cooper Warranty only applies to assemblies made with housings, gaskets and bolts carrying the SCI logo

Size Run x Branch in / *mm*	Part Number		Hole Diameter +1/8, -0 / +3.2, -0 in / *mm*	Dimensions			Equivalent Length in Feet	Case Qty	Weight lb / *kg*
	Painted	Galvanized		A in / *mm*	B in / *mm*	C in / *mm*			
2 x 1/2 *50 x 15*	65MT3020004	66MT3020004	1-1/2 *38*	2.50 *64.0*	4.96 *126.0*	2.80 *71.1*	-	24	2.0 *0.9*
2 x 3/4 *50 x 20*	65MT3020006	66MT3020006	1-1/2 *38*	2.50 *64.0*	4.96 *126.0*	2.80 *71.1*	-	24	2.0 *0.9*
2 x 1 *50 x 25*	65MT3020010	66MT3020010	1-1/2 *38*	2.50 *64.0*	4.96 *126.0*	2.80 *71.1*	2	24	2.1 *1.0*
2 x 1-1/4 *50 x 32*	65MT3020012	66MT3020012	1-3/4 *45*	2.80 *70.1*	4.96 *126.0*	2.80 *71.1*	4	24	2.2 *1.0*
2 x 1-1/2 *50 x 40*	65MT3020014	66MT3020014	1-3/4 *45*	2.80 *70.1*	4.96 *126.0*	2.87 *72.9*	9	24	2.2 *1.0*
2-1/2 x 1/2 *65 x 15*	65MT3024004	66MT3024004	1-1/2 *38*	2.80 *70.1*	5.20 *132.1*	2.80 *71.1*	-	24	2.2 *1.0*
2-1/2 x 3/4 *65 x 20*	65MT3024006	66MT3024006	1-1/2 *38*	2.80 *70.1*	5.20 *132.1*	2.80 *71.1*	-	24	2.4 *1.1*
2-1/2 x 1 *65 x 25*	65MT3024010	66MT3024010	1-1/2 *38*	2.80 *70.1*	5.20 *132.1*	2.80 *71.1*	2	20	2.6 *1.2*
2-1/2 x 1-1/4 *65 x 32*	65MT3024012	66MT3024012	1-3/4 *45*	3.00 *75.9*	5.20 *132.1*	3.03 *77.0*	4	20	2.8 *1.3*
2-1/2 x 1-1/2 *65 x 40*	65MT3024014	66MT3024014	2 *51*	3.00 *75.9*	5.20 *132.1*	3.27 *83.1*	9	20	3.0 *1.4*
3 x 1 *80 x 25*	65MT3030010	66MT3030010	1-1/2 *38*	3.10 *78.0*	5.91 *150.1*	2.80 *71.1*	2	10	2.6 *1.2*
3 x 1-1/4 *80 x 32*	65MT3030012	66MT3030012	1-3/4 *45*	3.27 *83.1*	5.91 *150.1*	3.03 *77.0*	4	8	2.9 *1.3*
3 x 1-1/2 *80 x 40*	65MT3030014	66MT3030014	2 *51*	3.50 *88.9*	5.91 *150.1*	3.27 *83.1*	3	8	3.1 *1.4*
3 x 2 *80 x 50*	65MT3030020	66MT3030020	2-1/2 *64*	3.50 *88.9*	5.91 *150.1*	3.78 *96.0*	5	12	3.5 *1.6*
4 x 1 *100 x 25*	65MT3040010	66MT3040010	1-1/2 *38*	3.54 *89.9*	7.09 *180.1*	2.80 *71.1*	2	16	3.0 *1.3*
4 x 1-1/4 *100 x 32*	65MT3040012	66MT3040012	1-3/4 *45*	3.78 *96.0*	7.09 *180.1*	3.03 *77.0*	4	14	3.2 *1.4*
4 x 1-1/2 *100 x 40*	65MT3040014	66MT3040014	2 *51*	4.02 *102.1*	7.09 *180.1*	3.27 *83.1*	3	14	3.4 *1.6*

Fig. 65MT & 66MT
Mechanical Tee, NPT

- Maximum working pressure 500 psi (34.5 bar) depending on size and schedule of pipe
- ASME B1.20.1 NPT threads
- Equivalent length in feet of schedule 40 outlet pipe with a Hazen-Williams coefficient of 120 per UL 213
- All housings, gaskets and bolts identified by SCI logo
- 100% magnetic particle inspection of each bolt
- Each bolt has a minimum tensile strength of 110,000 psi
- Gasket Grade E - EPDM (green stripe) -30˚F (-34˚C) to +230˚F (+110˚C)
- Ductile iron housings conform to ASTM A-536
- Smith-Cooper Warranty only applies to assemblies made with housings, gaskets and bolts carrying the SCI logo



Size Run x Branch in / *mm*	Part Number		Hole Diameter +1/8, -0 / +3.2, -0 in / *mm*	Dimensions			Equivalent Length in Feet	Case Qty	Weight lb / *kg*
	Painted	Galvanized		A in / *mm*	B in / *mm*	C in / *mm*			
4 x 2 *100 x 50*	65MT3040020	66MT3040020	2-1/2 *64*	4.02 *102.1*	7.24 *183.9*	3.94 *100.1*	5	8	4.4 *2.0*
4 x 2-1/2 *100 x 65*	65MT3040024	66MT3040024	2-3/4 *70*	4.02 *102.1*	7.24 *183.9*	4.21 *106.9*	11	8	4.9 *2.2*
4 x 3 *100 x 80*	65MT3040030	66MT3040030	3-1/2 *89*	4.53 *115.1*	7.24 *183.9*	4.76 *120.9*	13	6	6.1 *2.8*
5 x 1-1/4 *125 x 32*	65MT3050012	66MT3050012	1-3/4 *45*	4.76 *120.9*	7.99 *202.9*	3.03 *77.0*	4	8	4.1 *1.9*
5 x 1-1/2 *125 x 40*	65MT3050014	66MT3050014	2 *51*	4.76 *120.9*	7.99 *202.9*	3.27 *83.1*	3	8	4.2 *1.9*
5 x 2 *125 x 50*	65MT3050020	66MT3050020	2-1/2 *64*	4.76 *120.9*	8.66 *220.0*	3.94 *100.1*	5	6	6.0 *2.7*
5 x 2-1/2 *125 x 65*	65MT3050024	66MT3050024	2-3/4 *70*	4.76 *120.9*	8.66 *220.0*	4.21 *106.9*	11	6	6.6 *3.0*
5 x 3 *125 x 80*	65MT3050030	66MT3050030	3-1/2 *89*	5.00 *127.0*	8.66 *220.0*	4.92 *125.0*	13	4	7.5 *3.4*
6 x 1-1/4 *150 x 32*	65MT3060012	66MT3060012	1-3/4 *45*	5.12 *130.0*	9.13 *231.9*	3.03 *77.0*	4	8	4.4 *2.0*
6 x 1-1/2 *150 x 40*	65MT3060014	66MT3060014	2 *51*	5.12 *130.0*	9.13 *231.9*	3.27 *83.1*	3	8	4.5 *2.0*
6 x 2 *150 x 50*	65MT3060020	66MT3060020	2-1/2 *64*	5.12 *130.0*	9.76 *247.9*	3.94 *100.1*	5	6	6.5 *3.0*
6 x 2-1/2 *150 x 65*	65MT3060024	66MT3060024	2-3/4 *70*	5.12 *130.0*	9.76 *247.9*	4.21 *106.9*	11	6	6.8 *3.1*
6 x 3 *150 x 80*	65MT3060030	66MT3060030	3-1/2 *89*	5.51 *140.0*	9.76 *247.9*	4.92 *125.0*	13	4	7.9 *3.6*
6 x 4 *150 x 100*	65MT3060040	66MT3060040	4-1/2 *114*	5.75 *146.1*	9.76 *247.9*	5.91 *150.1*	15	3	9.6 *4.4*
8 x 2 *200 x 50*	65MT3080020	66MT3080020	2-1/2 *64*	6.26 *159.0*	11.81 *300.0*	3.94 *100.1*	5	4	8.2 *3.7*
8 x 2-1/2 *200 x 65*	65MT3080024	66MT3080024	2-3/4 *70*	6.26 *159.0*	11.81 *300.0*	4.21 *106.9*	11	3	8.6 *3.9*
8 x 3 *200 x 80*	65MT3080030	66MT3080030	3-1/2 *89*	6.50 *165.1*	11.81 *300.0*	4.92 *125.0*	13	3	9.3 *4.2*
8 x 4 *200 x 100*	65MT3080040	66MT3080040	4-1/2 *114*	6.73 *170.9*	11.81 *300.0*	5.91 *150.1*	15	2	10.7 *4.9*

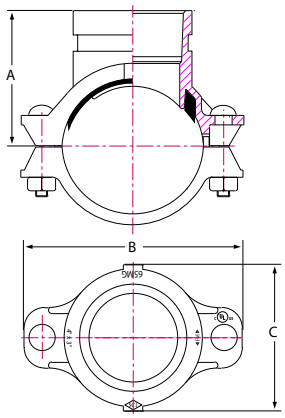


Fig. 65MG & 66MG
Mechanical Tee, Grooved

- Maximum working pressure 500 psi (34.5 bar) depending on size and schedule of pipe
- Equivalent length in feet of schedule 40 outlet pipe with a Hazen-Williams coefficient of 120 per UL 213
- All housings, gaskets and bolts identified by SCI logo
- Gasket Grade E - EPDM (green stripe) -30˚F (-34˚C) to +230˚F (+110˚C)
- Ductile iron housings conform to ASTM A-536
- Groove dimensions to AWWA C-606
- Smith-Cooper Warranty only applies to assemblies made with housings, gaskets and bolts carrying the SCI logo

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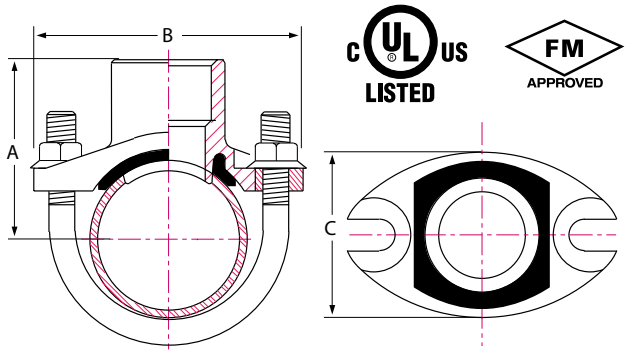
Size Run x Branch in / *mm*	Part Number		Hole Diameter +1/8, -0 / +3.2, -0 in / *mm*	Dimensions			Equivalent Length in Feet	Case Qty	Weight lb / *kg*
	Painted	Galvanized		A in / *mm*	B in / *mm*	C in / *mm*			
3 x 1-1/4 *80 x 32*	65MG3030012	66MG3030012	1-3/4 *45*	3.50 *89.9*	5.90 *150.1*	3.03 *77.0*	4	10	3.0 *1.4*
3 x 1-1/2 *80 x 40*	65MG3030014	66MG3030014	2 *51*	3.50 *89.9*	5.90 *150.1*	3.30 *83.1*	3	8	3.1 *1.4*
3 x 2 *80 x 50*	65MG3030020	66MG3030020	2-1/2 *64*	3.50 *89.9*	5.90 *150.1*	3.80 *96.0*	5	12	3.6 *1.6*
4 x 1-1/4 *100 x 40*	65MG3040012	66MG3040012	1-3/4 *45*	4.00 *102.1*	7.10 *180.1*	3.03 *77.0*	4	16	3.2 *1.4*
4 x 1-1/2 *100 x 40*	65MG3040014	66MG3040014	2 *51*	4.00 *102.1*	7.10 *180.1*	3.30 *83.1*	3	14	4.3 *1.9*
4 x 2 *100 x 50*	65MG3040020	66MG3040020	2-1/2 *64*	4.02 *102.1*	7.24 *183.9*	3.94 *100.1*	5	8	4.4 *2.0*
4 x 2-1/2 *100 x 65*	65MG3040024	66MG3040024	2-3/4 *70*	4.02 *102.1*	7.24 *183.9*	4.21 *106.9*	11	8	4.9 *2.2*
4 x 3 *100 x 80*	65MG3040030	66MG3040030	3-1/2 *89*	4.53 *115.1*	7.24 *183.9*	4.76 *120.9*	13	8	6.1 *2.8*
5 x 1-1/2 *125 x 40*	65MG3050014	66MG3050014	2 *51*	4.76 *120.9*	7.99 *202.9*	3.27 *83.1*	3	8	4.2 *1.9*
5 x 2 *125 x 50*	65MG3050020	66MG3050020	2-1/2 *64*	4.76 *120.9*	8.66 *220.0*	3.94 *100.1*	5	6	6.0 *2.7*
5 x 2-1/2 *125 x 65*	65MG3050024	66MG3050024	2-3/4 *70*	4.76 *120.9*	8.66 *220.0*	4.21 *106.9*	11	6	6.6 *3.0*
5 x 3 *125 x 80*	65MG3050030	66MG3050030	3-1/2 *89*	5.00 *127.0*	8.66 *220.0*	4.92 *125.0*	13	6	7.5 *3.4*
6 x 1-1/4 *150 x 32*	65MG3060012	66MG3060012	1-3/4 *45*	5.12 *130.0*	9.13 *231.9*	3.03 *77.0*	4	8	4.4 *2.0*
6 x 1-1/2 *150 x 40*	65MG3060014	66MG3060014	2 *51*	5.12 *130.0*	9.13 *231.9*	3.27 *83.1*	3	8	4.5 *2.0*
6 x 2 *150 x 50*	65MG3060020	66MG3060020	2-1/2 *64*	5.12 *130.0*	9.76 *247.9*	3.94 *100.1*	5	6	6.5 *3.0*
6 x 2-1/2 *150 x 65*	65MG3060024	66MG3060024	2-3/4 *70*	5.12 *130.0*	9.76 *247.9*	4.21 *106.9*	11	6	6.8 *3.1*
6 x 3 *150 x 80*	65MG3060030	66MG3060030	3-1/2 *89*	5.51 *140.0*	9.76 *247.9*	4.92 *125.0*	13	5	7.9 *3.6*
6 x 4 *150 x 100*	65MG3060040	66MG3060040	4-1/2 *114*	5.75 *146.1*	9.76 *247.9*	5.91 *150.1*	15	4	9.6 *4.4*
8 x 2 *200 x 50*	65MG3080020	66MG3080020	2-1/2 *64*	6.26 *159.0*	11.81 *300.0*	3.94 *100.1*	5	4	8.2 *3.7*
8 x 2-1/2 *200 x 65*	65MG3080024	66MG3080024	2-3/4 *70*	6.26 *159.0*	11.81 *300.0*	4.21 *106.9*	11	4	8.6 *3.9*
8 x 3 *200 x 80*	65MG3080030	66MG3080030	3-1/2 *89*	6.50 *165.1*	11.81 *300.0*	4.92 *125.0*	13	3	9.3 *4.2*
8 x 4 *200 x 100*	65MG3080040	66MG3080040	4-1/2 *114*	6.73 *170.9*	11.81 *300.0*	5.91 *150.1*	15	3	10.7 *4.9*

Fig. 65MU & 66MU
Strap Tee, NPT

- Maximum working pressure 300 psi (20.7 bar) depending on size and schedule of pipe
- ASME B1.20.1 NPT threads
- Equivalent length in feet of schedule 40 outlet pipe with a Hazen-Williams coefficient of 120 per UL 213
- 1" outlets not listed by UL for direct connection to 1" sprinkler heads
- Gasket Grade E - EPDM (green stripe) -30˚F (-34˚C) to +230˚F (+110˚C)
- Ductile iron housings conform to ASTM A-536
- Smith-Cooper Warranty only applies to assemblies made with housings, gaskets and bolts carrying the SCI logo



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Size Run x Branch in / *mm*	Part Number		Hole Diameter +1/8, -0 / +3.2, -0 in / *mm*	Dimensions			Equivalent Length in Feet	Case Qty	Weight lb / *kg*
	Painted	Galvanized		A in / *mm*	B in / *mm*	C in / *mm*			
1-1/4 x 1/2 *32 x 15*	65MU3012004	66MU3012004	1-1/4 *32*	1.65 *41.9*	3.54 *89.9*	2.28 *57.9*	-	50	0.8 *0.4*
1-1/4 x 3/4 *32 x 20*	65MU3012006	66MU3012006	1-1/4 *32*	1.85 *47.0*	3.54 *89.9*	2.28 *57.9*	-	50	0.9 *0.4*
1-1/4 x 1 *32 x 25*	65MU3012010	66MU3012010	1-1/4 *32*	2.13 *54.1*	3.54 *89.9*	2.28 *57.9*	5	50	1.0 *0.5*
1-1/2 x 1/2 *40 x 15*	65MU3014004	66MU3014004	1-1/4 *32*	1.77 *45.0*	3.54 *89.9*	2.28 *57.9*	-	48	0.8 *0.4*
1-1/2 x 3/4 *40 x 20*	65MU3014006	66MU3014006	1-1/4 *32*	1.97 *50.0*	3.54 *89.9*	2.28 *57.9*	-	48	0.9 *0.4*
1-1/2 x 1 *40 x 25*	65MU3014010	66MU3014010	1-1/4 *32*	2.24 *56.9*	3.54 *89.9*	2.28 *57.9*	5	48	1.0 *0.5*
2 x 1/2 *50 x 15*	65MU3020004	66MU3020004	1-1/4 *32*	2.01 *51.1*	3.74 *95.0*	2.28 *57.9*	-	45	0.8 *0.4*
2 x 3/4 *50 x 20*	65MU3020006	66MU3020006	1-1/4 *32*	2.20 *55.9*	3.74 *95.0*	2.28 *57.9*	-	45	0.9 *0.4*
2 x 1 *50 x 25*	65MU3020010	66MU3020010	1-1/4 *32*	2.48 *63.0*	3.74 *95.0*	2.28 *57.9*	5	45	1.0 *0.5*
2-1/2 x 1/2 *65 x 15*	65MU3024004	66MU3024004	1-1/4 *32*	2.26 *57.4*	4.29 *109.0*	2.28 *57.9*	-	36	1.0 *0.5*
2-1/2 x 3/4 *65 x 20*	65MU3024006	66MU3024006	1-1/4 *32*	2.50 *62.5*	4.29 *109.0*	2.30 *57.9*	-	36	1.1 *0.5*
2-1/2 x 1 *65 x 25*	65MU3024010	66MU3024010	1-1/4 *32*	2.70 *69.6*	4.29 *109.0*	2.30 *57.9*	5	36	1.2 *0.5*

GROOVED

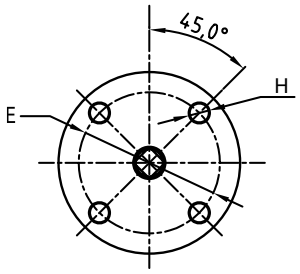
Please see complete installation instructions at www.smithcooper.com for important guidelines and limitations on the use and applications of COOPLOK™ Grooved Couplings and Fittings.

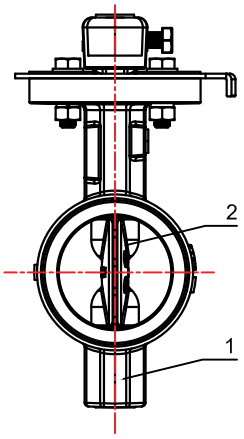
Grooved End Butterfly Valve - Lever Handle & Gear Operator

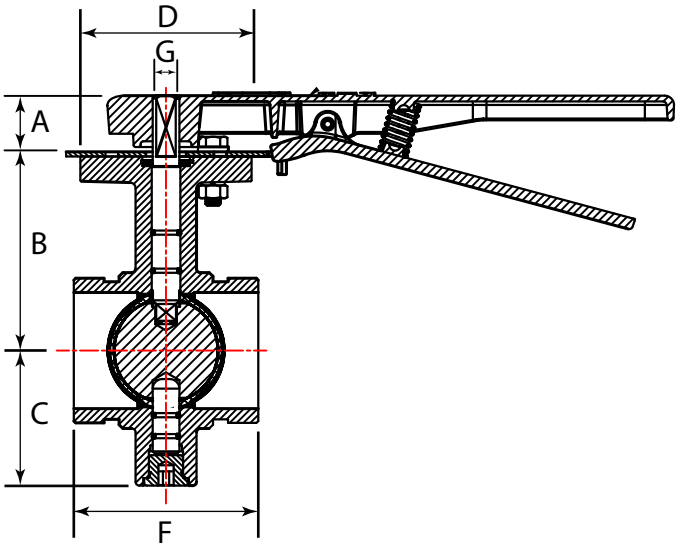
Fig. 67BFVG
Grooved End Butterfly Valve

- 300 psi working pressure
- EPDM 200° F maximum working temperature
- NBR 180° F maximum working temperature
- 10-Position lever handle or gear operator
- Grease fitting on gear operator
- Upper and lower shafts - Stainless Steel Grade 420 ASTM A-276
- O-Rings - EPDM or NBR
- Handwheel - Ductile Iron
- Lever Handle - ASTM A-536 Ductile Iron
- Lever Handle Lengths - 2" - 6" Valves = 10", 8" Valves = 13"
- Suitable for "Dead End" Service

No.	Part	Material Specification
1	Body	ASTM A-536 Ductile Iron, Epoxy Coated
2	Disc	ASTM A-536 Ductile Iron with either EPDM or NBR Coating







GROOVED

Pipe Size	Part Number				A	B	C	D	E	F	G	H	Hand-wheel	Weight w/Lever	Weight w/Gear
	EPDM		NBR												
in / *mm*	Lever	Gear	Lever	Gear	in / *mm*	in / *mm*	in / *mm*	in / *mm*	in / *mm*	in / *mm*	in / *mm*	in / *mm*	in / *mm*	lb / *kg*	lb / *kg*
2 *50*	67BFVGEL020	67BFVGEG020	67BFVGNL020	67BFVGNG020	1.26 *32.0*	4.84 *123.0*	2.17 *55.0*	3.54 *90.0*	2.76 *70.0*	3.19 *81.0*	0.43 *11.0*	0.39 *10.0*	5.75 *146.0*	6.7 *3.0*	11.95 *5.4*
2-1/2 65	67BFVGEL024	67BFVGEG024	67BFVGNL024	67BFVGNG024	1.26 *32.0*	5.00 *127.0*	2.64 *67.0*	3.54 *90.0*	2.76 *70.0*	3.81 *96.8*	0.43 *11.0*	0.39 *10.0*	5.75 *146.0*	7.5 *3.4*	12.75 *5.8*
3 *80*	67BFVGEL030	67BFVGEG030	67BFVGNL030	67BFVGNG030	1.26 *32.0*	4.57 *116.0*	3.07 *78.0*	3.54 *90.0*	2.76 *70.0*	3.81 *96.8*	0.43 *11.0*	0.39 *10.0*	5.75 *146.0*	8.7 *3.9*	13.8 *6.3*
4 *100*	67BFVGEL040	67BFVGEG040	67BFVGNL040	67BFVGNG040	1.26 *32.0*	5.59 *142.0*	3.58 *91.0*	3.54 *90.0*	2.76 *70.0*	4.56 *115.8*	0.55 *14.0*	0.39 *10.0*	5.75 *146.0*	12.2 *5.5*	16.35 *7.4*
5 *125*	67BFVGEL050	67BFVGEG050	67BFVGNL050	67BFVGNG050	1.26 *32.0*	5.87 *149.0*	4.69 *119.0*	3.54 *90.0*	2.76 *70.0*	5.81 *147.6*	0.55 *14.0*	0.39 *10.0*	5.75 *146.0*	17.3 *7.9*	24.0 *10.9*
6 *150*	67BFVGEL060	67BFVGEG060	67BFVGNL060	67BFVGNG060	1.26 *32.0*	6.61 *168.0*	5.31 *135.0*	3.54 *90.0*	2.76 *70.0*	5.81 *147.6*	0.67 *17.0*	0.39 *10.0*	5.75 *146.0*	27.1 *12.3*	41.0 *18.4*
8 *200*	67BFVGEL080	67BFVGEG080	67BFVGNL080	67BFVGNG080	1.57 *40.0*	7.95 *202.0*	6.30 *160.0*	4.92 *125.0*	4.01 *102.0*	5.25 *133.4*	0.67 *17.0*	0.47 *12.0*	11.50 *292.0*	32.5 *14.6*	46.5 *20.9*
10 *250*	-	67BFVGEG100	-	67BFVGNG100	1.57 *40.0*	9.00 *228.6*	7.80 *198.0*	4.92 *125.0*	4.01 *102.0*	6.25 *158.8*	0.87 *22.0*	0.47 *12.0*	11.50 *292.0*	- -	93.0 *41.9*
12 *300*	-	67BFVGEG120	-	67BFVGNG120	1.57 *40.0*	10.50 *266.7*	9.06 *230.0*	4.92 *125.0*	4.01 *102.0*	6.50 *165.1*	0.87 *22.0*	0.47 *12.0*	11.50 *292.0*	- -	111.0 *49.9*

Fig. 67CV-A
Grooved Swing Check Valve

- Designed for use in wet pipe systems
- For vertical* or horizontal installation
- 300 psi working pressure
- EPDM or NBR coated disc; brass seat
- Groove dimensions to AWWA C-606
- Fusion bonded epoxy coated interior & exterior
- Color – Black

**Upward flow only.*

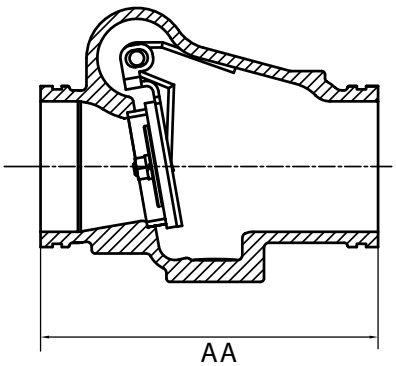
Fig. 67CVR-A
UL/FM Grooved Riser Check Valve

- Designed for use in wet pipe fire sprinkler systems
- Factory NPT tapped and plugged for drain and gauge connections
- Gauge connections: 1/2" NPT
- For vertical or horizontal installation
- 300 psi working pressure
- EPDM coated disc; bronze seat
- Groove dimensions to AWWA C-606
- Fusion bonded epoxy coated interior & exterior
- Color – Red

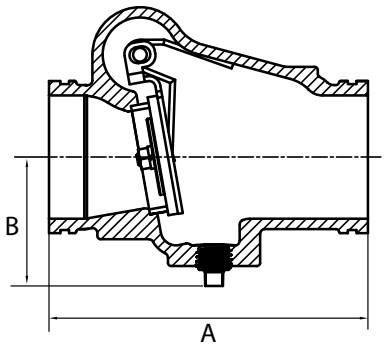
Fig. 67CVRKIT
UL/FM Grooved Riser Check Valve Trim Kit

- Designed for use with Fig. 67CVR-A

Size IN	Part Number	Weight lb
2-1/2	67CVRKIT024030	5.25
3	67CVRKIT024030	5.25
4	67CVRKIT040	8.00
6	67CVRKIT060080	8.05
8	67CVRKIT060080	8.05



Part	Material	Material Specification
Body	Ductile Iron	ASTM A-536 Grade 65-45-12
Body Seat CV Body Seat CVR	Stainless Steel Bronze	AISI 316 ASTM B62
Disc	Stainless or Ductile Iron	ASTM A-536 Grade 65-45-12
Disc Coating	Vulcanized Rubber	EPDM or NBR**
Shaft	Stainless Steel	AISI 316
Spring	Stainless Steel	AISI 304
Shaft Plug	Stainless Steel	AISI 304
Gasket	Rubber	EPDM or NBR**



***NBR available for Fig. 67CV-A only.*

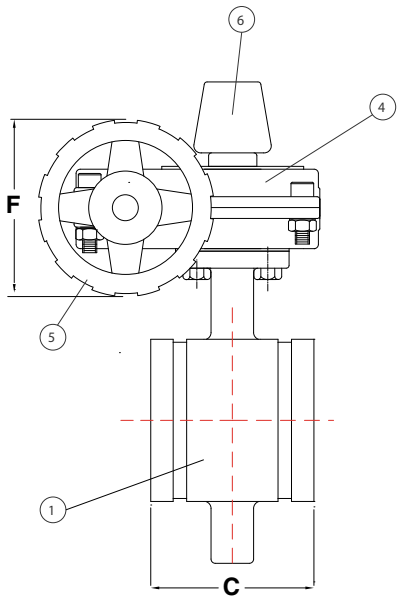
Pipe Size in / *mm*	Part Number			AA in / *mm*	A in / *mm*	B in / *mm*	Weight lb / *kg*
	Fig. 67CVE-A - EPDM	Fig. 67CVN-A - NBR	Fig. 67CVR-A - EPDM				
2 *50*	67CVE3020A	67CVN3020A	-	6.73 *171.0*	7.50 *190.0*	2.50 *63.0*	5.9 *2.7*
2-1/2 *65*	67CVE3024A	67CVN3024A	67CVRE3024A	7.25 *184.0*	7.25 *184.0*	3.50 *89.0*	8.1 *3.7*
3 *80*	67CVE3030A	67CVN3030A	67CVRE3030A	7.75 *197.0*	7.75 *197.0*	3.75 *95.0*	10.6 *4.8*
4 *100*	67CVE3040A	67CVN3040A	67CVRE3040A	8.11 *206.0*	8.11 *206.0*	4.25 *108.0*	17.4 *7.9*
5 *125*	67CVE3050A	67CVN3050A	-	9.76 *248.0*	10.50 *267.0*	4.50 *114.0*	32.0 *14.5*
6 *150*	67CVE3060A	67CVN3060A	67CVRE3060A	11.50 *292.0*	12.75 *324.0*	5.25 *133.0*	36.5 *16.6*
8 *200*	67CVE3080A	67CVN3080A	67CVRE3080A	14.00 *355.0*	14.60 *371.0*	6.25 *160.0*	60.4 *27.4*
10 *250*	67CVE3100A	67CVN3100A	-	18.00 *457.0*	17.00 *432.0*	7.40 *188.0*	134.0 *60.7*
12 *300*	67CVE3120A	67CVN3120A	-	21.00 *533.0*	19.50 *495.0*	8.10 *205.0*	194.0 *88.0*

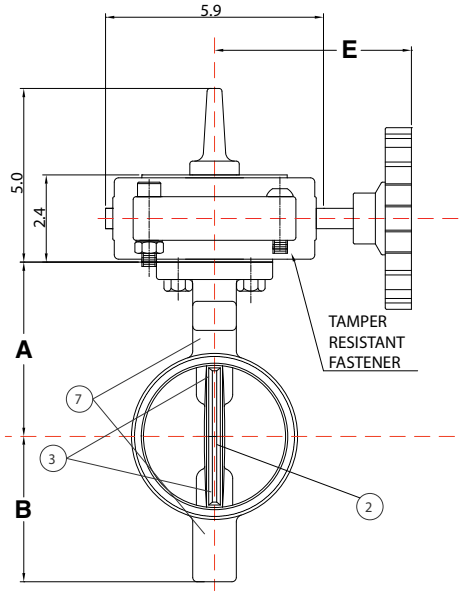
Fire Protection Grooved End Butterfly Valve

Fig. 67BFVGET
Grooved End Butterfly Valve with Indicator

- 300 psi working pressure
- UL Listed
- FM Approved
- California State Fire Marshall Approval No. 7770-2252:0500
- Factory installed replaceable double tamper switch
- Approved for indoor and outdoor use
- Grooved ends
- Gear operated

No.	Part	Materials Specification
1	Body	ASTM A-536 DI, Epoxy Coated
2	Disc	ASTM A-536 DI, EPDM Encapsulated
3	Upper and Lower Stems	AISI Type 431 Stainless Steel
4	Gear Housing	ASTM A-536 Ductile Iron, Zinc Electroplated
5	Hand Wheel	ASTM A-536 Ductile Iron
6	Flag Indicator	ASTM A-536 Ductile Iron
7	O-Rings (All)	EPDM





Pipe Size in / *mm*	Part Number	A in / *mm*	B in / *mm*	C in / *mm*	E in / *mm*	F in / *mm*	Weight *lb / kg*
2-1/2 *65*	67BFVGET024	4.02 *102*	2.80 *71*	3.82 *97*	5.28 *134*	5.00 *127.0*	19.0 *8.63*
3 *80*	67BFVGET030	4.29 *109*	3.19 *81*	3.82 *97*	5.28 *134*	5.00 *127.0*	20.4 *9.25*
4 *100*	67BFVGET040	5.04 *128*	3.74 *95*	4.57 *116*	5.28 *134*	5.00 *127.0*	23.6 *10.71*
6 *150*	67BFVGET060	6.02 *153*	5.24 *133*	5.83 *148*	5.28 *134*	8.70 *221.0*	42.4 *19.28*
8 *200*	67BFVGET080	7.24 *184*	6.46 *164*	5.24 *133*	8.27 *210*	8.70 *221.0*	52.6 *23.9*

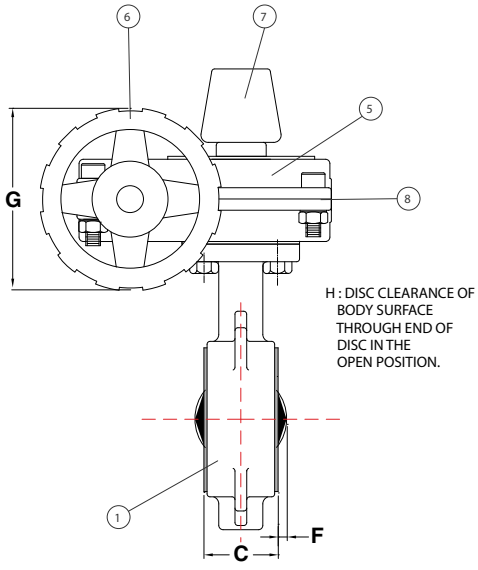
GROOVED

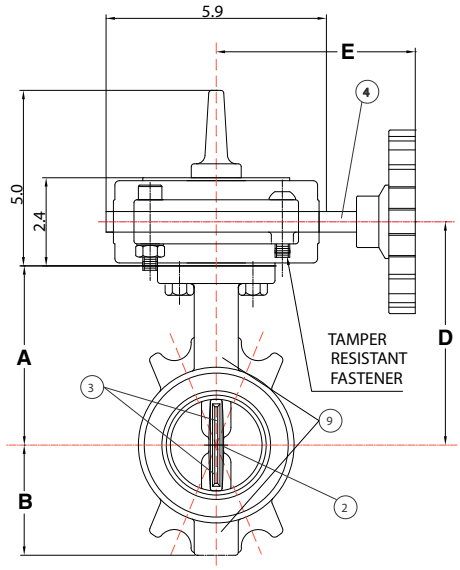
Fig. 67BFVWET

Wafer End Butterfly Valve with Indicator Flag

- 300 psi working pressure
- UL/ULC Listed
- FM Approved
- California State Fire Marshall Approval No. 7770-2252:0500
- Factory installed replaceable double tamper switch
- Approved for indoor and outdoor use
- Install between (2) Class 125/150 flanges
- Gear operated

No.	Part	Material Specification
1	Body	ASTM A-536 DI, Nylon-11 Coated
2	Disc	ASTM A-536 DI, EPDM Encapsulated
3	Upper & Lower Stems	AISI Type 420 Stainless Steel
4	Input Shaft	AISI Type 410 Stainless Steel
5	Gear Housing	ASTM A-536 Ductile Iron
6	Handwheel	ASTM A-536 Ductile Iron
7	Flag Indicator	ASTM A-536 Ductile Iron
8	Gear Housing Gasket	EPDM
9	O-Rings (All)	EPDM



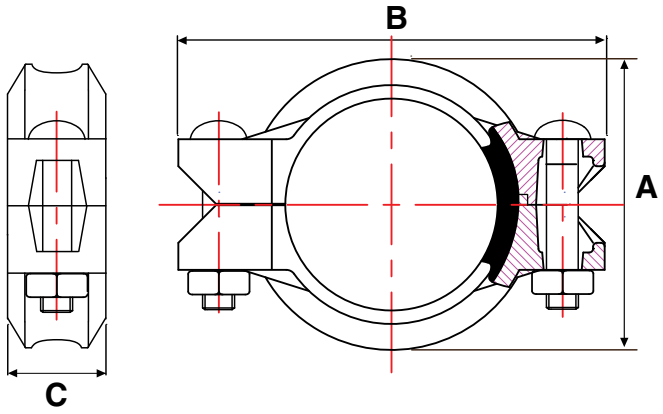


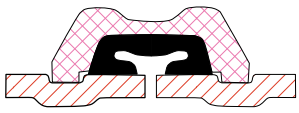
Pipe Size in / *mm*	Part Number	A in / *mm*	B in / *mm*	C in / *mm*	D in / *mm*	E in / *mm*	F in / *mm*	G in / *mm*	Weight *lb / kg*
2-1/2 *65*	67BFVWET024	5.35 *136.0*	3.43 *87.0*	1.81 *46.0*	6.54 *166.0*	5.31 *135.0*	0.32 *8.2*	5.00 *128*	22.0 *10.0*
3 *80*	67BFVWET030	5.63 *143.0*	3.66 *93.0*	1.81 *46.0*	6.81 *173.0*	5.31 *135.0*	0.57 *14.5*	5.00 *128*	23.0 *10.4*
4 *100*	67BFVWET040	6.14 *156.0*	4.29 *109.0*	2.05 *52.0*	7.32 *186.0*	5.31 *135.0*	0.89 *22.7*	5.00 *128*	27.0 *12.2*
6 *150*	67BFVWET060	7.40 *188.0*	5.67 *144.0*	2.20 *56.0*	8.58 *218.0*	8.66 *193.0*	1.79 *45.4*	8.70 *220*	33.0 *15.0*
8 *200*	67BFVWET080	8.74 *222.0*	6.54 *166.0*	2.28 *58.0*	9.92 *252.0*	8.66 *193.0*	2.72 *69.1*	8.70 *220*	45.0 *20.3*

GROOVED

Fig. 65HP
High Pressure Rigid Coupling with "C" Gasket

- Maximum working pressure up to 1000 psi depending on coupling size and schedule of pipe
- All housings, gaskets and bolts identified by SCI logo
- 100% magnetic particle inspection of each bolt
- Each bolt has a minimum tensile strength of 110,000 psi
- Gasket Grade T - Nitrile (double orange stripe) -20˚F (-29˚C) to +180˚F (+82˚C)
- Ductile iron housings conform to ASTM A-536 Grade 65-45-12
- Groove dimensions to AWWA C-606
- Finish: Orange enamel paint
- Smith-Cooper Warranty only applies to assemblies made with housings, gaskets and bolts carrying the SCI logo





"C" Style Gasket – Nitrile

Pipe Size in / *mm*	Part Number Painted	Pipe OD in / *mm*	Max Pipe End Gap in / *mm*	Dimensions A in / *mm*	Dimensions B in / *mm*	Dimensions C in / *mm*	Max Working Pressure* psi / kPa	Max End Load* lb / *kg*	Case Qty	Weight lb / *kg*
2 *50*	65HPN3020N	2.375 *60.3*	1/8 *3.6*	3.50 *89.0*	5.63 *143.0*	1.89 *48.0*	1000 *6900*	2950 *1340*	15	3.23 *1.5*
3 *80*	65HPN3030N	3.500 *88.9*	1/8 *3.6*	4.69 *119.0*	7.01 *178.0*	1.89 *48.0*	1000 *6900*	6600 *3000*	12	4.63 *2.1*
4 *100*	65HPN3040N	4.500 *114.3*	1/4 *6.4*	5.94 *151.0*	8.70 *221.0*	2.13 *54.0*	1000 *6900*	11920 *5410*	6	8.26 *3.8*
6 *150*	65HPN3060N	6.625 *168.3*	1/4 *6.4*	8.31 *211.0*	11.34 *288.0*	2.28 *58.0*	1000 *6900*	26000 *11800*	–	16.45 *7.5*
8 *200*	65HPN3080N	8.625 *219.1*	1/8 *3.2*	*11.0* *280.0*	*13.7* *348.0*	*2.75* *70.0*	800 *5520*	40000 *18200*	–	26.87 *12.2*

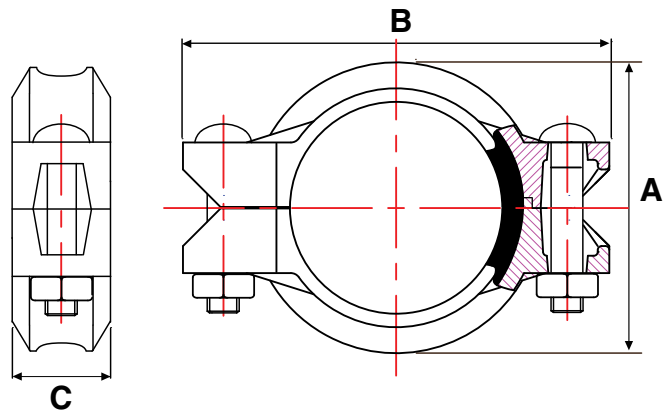
** Maximum working pressure and maximum end load are determined from all internal and external loads, based on standard weight steel pipe, grooved per Smith-Cooper International (SCI) roll or cut grooved specifications.*

Please see complete installation instructions at www.smithcooper.com for important guidelines and limitations on the use and applications of COOPLOK™ Grooved Couplings and Fittings.

Fig. 65HP-ES
High Pressure Coupling with End Shield™ Gasket

- Maximum working pressure up to 2500 psi depending on coupling size and schedule of pipe
- All housings, gaskets and bolts identified by SCI logo
- 100% magnetic particle inspection of each bolt
- Each bolt has a Minimum tensile strength of 110,000 psi
- Gasket Grade T - Nitrile (orange stripe) -20˚F (-29˚C) to +180˚F (+82˚C)
- Ductile iron housings conform to ASTM A-536 Grade 65-45-12
- May only be used with pipe grooves that match ES Groove specifications.
- Finish: Black Enamel Paint
- Smith-Cooper Warranty only applies to assemblies made with housings, gaskets and bolts carrying the SCI logo
- **Extra Heavy "ES" End Shield™ fittings are available (fabricated steel); Schedule 80, cut grooved**
  Contact Smith-Cooper International for fitting types and sizes.

End Shield™ Gasket – Nitrile

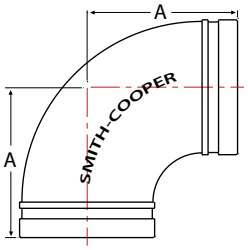


Pipe Size in / *mm*	Part Number Painted	Pipe OD in / *mm*	Max Pipe End Gap in / *mm*	Dimensions A in / *mm*	B in / *mm*	C in / *mm*	Max Working Pressure* psi / kPa	Max End Load* lb / *kg*	Case Qty	Weight lb / *kg*
2 *50*	65HPES3020	2.375 *60.3*	3/16 *4.8*	3.50 *89.0*	5.63 *143.0*	1.89 *48.0*	2500 *17250*	7350 *3340*	15	3.43 *1.5*
3 *80*	65HPES3030	3.500 *88.9*	3/16 *4.8*	4.69 *119.0*	7.01 *178.0*	1.89 *48.0*	2500 *17250*	16500 *7500*	12	4.53 *2.1*
4 *100*	65HPES3040	4.500 *114.3*	3/16 *4.8*	5.94 *151.0*	8.70 *221.0*	2.13 *54.0*	2500 *17250*	28700 *13000*	6	8.17 *3.7*
6 *150*	65HPES3060	6.625 *168.3*	1/4 *6.7*	8.31 *211.0*	11.34 *288.0*	2.28 *58.0*	2000 *13800*	63100 *28600*	–	16.95 *7.7*
8 *200*	65HPE3080N	8.625 *219.1*	1/8 *3.2*	*11.0* *280.0*	*13.7* *348.0*	*2.75* *70.0*	1500 *10350*	75000 *34000*	–	27.2 *12.3*

* *Maximum working pressure and maximum end load are determined from all internal and external loads, based on standard weight steel pipe, grooved per Smith-Cooper International (SCI) End Shield™ (ES) Cut Groove Specifications.*

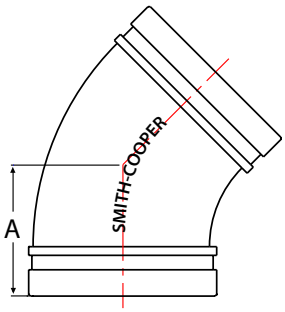
NOTE:
65HP-ES couplings are not designed for, and cannot be used with, COOPLOK™ Grooved fittings or 67 Series Grooved Butterfly Valves. Refer to End Shield™ (ES) Cut Groove Specifications.

Fig. 65HPE
90° Elbow, Standard Radius
- Ductile Iron - Full Flow
- 1000 psi
- 800 psi 8" only



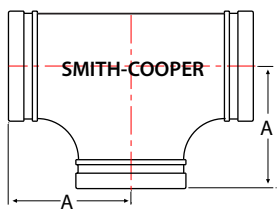
Pipe Size in / *mm*	Part Number	A in / *mm*	Case Qty	Weight lb / *kg*
2 *50*	65HPE1020	3.25 *82.6*	20	1.9 *0.88*
3 *80*	65HPE1030	4.25 *108.0*	8	4.1 *1.88*
4 *100*	65HPE1040	5.00 *127.0*	8	8.0 *3.64*
5 *125*	65HPE1050	5.50 *139.7*	-	16.0 *7.30*
6 *150*	65HPE1060	6.50 *165.1*	-	34.8 *15.80*
8 *200*	65HPE1080	7.75 *196.9*	-	28.7 *13.0*

Fig. 65HPF
45° Elbow, Standard Radius
- Ductile Iron - Full Flow
- 1000 psi
- 800 psi 8" only



Pipe Size in / *mm*	Part Number	A in / *mm*	Case Qty	Weight lb / *kg*
2 *50*	65HPF1020	2.00 *50.8*	30	1.4 *0.62*
3 *80*	65HPF1030	2.50 *63.5*	10	3.0 *1.34*
4 *100*	65HPF1040	3.00 *76.2*	6	5.9 *2.68*
5 *125*	65HPF1050	3.25 *82.6*	-	12.3 *5.58*
6 *150*	65HPF1060	3.50 *88.9*	-	23.2 *10.52*
8 *200*	65HPF1080	4.25 *108.0*	-	19.5 *8.8*

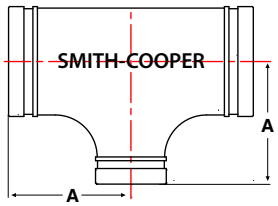
Fig. 65HPT
Tee, Standard Radius
- Ductile Iron - Full Flow
- 1000 psi
- 800 psi 8" only



Pipe Size in / *mm*	Part Number	A in / *mm*	Case Qty	Weight lb / *kg*
2 *50*	65HPT1020	3.25 *82.6*	15	3.2 *1.5*
3 *80*	65HPT1030	4.25 *108.0*	10	6.8 *3.1*
4 *100*	65HPT1040	5.00 *127.0*	5	12.1 *5.5*
5 *125*	65HPT1050	5.50 *139.7*	-	29.1 *13.2*
6 *150*	65HPT1060	6.50 *165.1*	-	49.6 *22.5*
8 *200*	65HPT1080	7.75 *196.9*	-	41.1 *18.6*

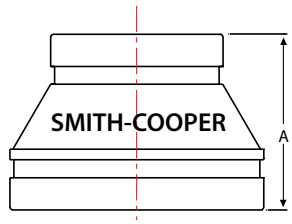
Pipe Size in / *mm*	Part Number	A in / *mm*	Case Qty	Weight lb / *kg*
6 x 2 *150 x 50*	65HPRT1060020	6.50 *165.1*	-	25.2 *11.42*
6 x 3 *150 x 80*	65HPRT1060030	6.50 *165.1*	-	26.5 *12.02*
6 x 4 *150 x 100*	65HPRT1060040	6.50 *165.1*	-	28.6 *12.96*
8 x 6 *200 x 150*	65HPRT1080060	7.75 *196.9*	-	46.3 *21.00*

Fig. 65HPRT
Reducing Tee, Standard Radius
- Ductile Iron sizes – Full Flow
- 1000 psi
- 800 psi 8" only



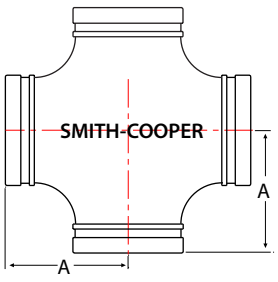
Pipe Size in / *mm*	Part Number	A in / *mm*	Case Qty	Weight lb / *kg*
2-1/2 x 2 *65 x 50*	65HPCR1024020	2.50 *64.0*	-	1.0 *0.48*
3 x 2 *80 x 50*	65HPCR1030020	2.50 *64.0*	-	1.3 *0.58*
4 x 2 *100 x 50*	65HPCR1040020	3.00 *76.2*	-	2.2 *1.01*
4 x 3 *100 x 80*	65HPCR1040030	3.00 *76.2*	-	2.5 *1.12*
6 x 2 *150 x 50*	65HPCR1060020	4.00 *102.1*	-	5.4 *2.44*
6 x 3 *150 x 80*	65HPCR1060030	4.00 *102.1*	-	5.5 *2.50*
6 x 4 *150 x 100*	65HPCR1060040	4.00 *102.1*	-	5.6 *2.54*
8 x 4 *200 x 100*	65HPCR1080040	5.0 *127.0*	-	10.4 *4.70*

Fig. 65HPCR
Concentric Reducer, Standard Radius
- Ductile Iron – Full Flow
- 1000 psi
- 800 psi 8" only



Pipe Size in / *mm*	Part Number	A in / *mm*	Case Qty	Weight lb / *kg*
2 *50*	65HPX1020	3.25 *82.6*	20	3.7 *1.7*
3 *80*	65HPX1030	4.25 *108.0*	7	7.7 *3.5*
4 *100*	65HPX1040	5.00 *127.0*	4	14.8 *6.7*
6 *150*	65HPX1060	6.50 *165.1*	-	32.4 *14.7*
8 *200*	6HPX1080	7.75 *196.9*	-	53.0 *24.0*

Fig. 65HPX
Cross, Standard Radius
- Ductile Iron - Full Flow
- 1000 psi
- 800 psi 8" only



Pipe Size in / *mm*	Part Number	A in / *mm*	Case Qty	Weight lb / *kg*
6 *150*	65HPC1060	1.00 *25.4*	10	6.7 *3.1*
8 *200*	65HPC1080	1.19 *30.2*	5	12.9 *5.9*
6 *150*	65HPCT1060	1.00 *25.4*	10	6.6 *3.0*
8 *200*	65HPCT1080	1.19 *30.2*	5	13.1 *5.8*

Fig. 65HPC / 65HPCT
Cap (w/ tap)
- Ductile Iron
- 1000 psi 6"
- 800 psi 8"

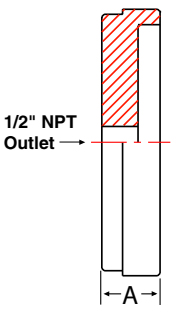
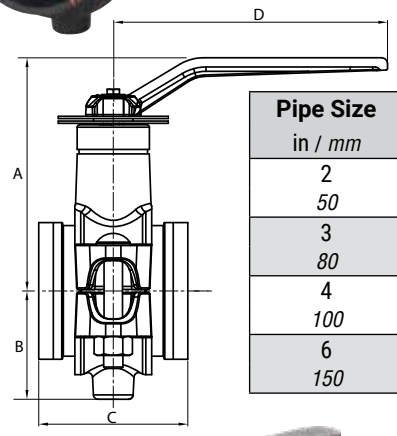


Fig. 67LPN
"Low Profile" Grooved Butterfly Valve

- Designed for use in oil, gas and mining services
- Ductile Iron housing
- Carbon Steel body, NBR Elastomer Lined
- 316 Stainless Steel disc
- 2-position cast handle with padlock feature
- 200 psi working pressure
- Color - Black

Part	Material	Material Specification
Housing	Ductile Iron	ASTM A-536, 65-45-12
Body	Carbon Steel	NBR Elastomer Lined
Seat	NBR	
Disc	Stainless Steel	AISI 316
Stem	Stainless Steel	AISI 416
O-Ring	NBR	
Bolt/Nuts	Carbon Steel	Zinc Plated
Handle	Ductile Iron	ASTM A-536, 65-45-12



Pipe Size in / *mm*	Part Number	A in / *mm*	B in / *mm*	C in / *mm*	D in / *mm*	Weight lb / *kg*
2 *50*	67LPN2020	4.70 *120.0*	1.90 *48.0*	3.20 *81.0*	5.50 *140.0*	3.80 *1.70*
3 *80*	67LPN2030	5.95 *151.0*	2.75 *70.0*	3.85 *97.0*	7.00 *178.0*	7.45 *3.40*
4 *100*	67LPN2040	7.10 *180.0*	3.50 *89.0*	4.50 *116.0*	9.00 *229.0*	12.50 *5.87*
6 *150*	67LPN2060	9.00 *230.0*	4.50 *114.0*	5.80 *148.0*	12.00 *305.0*	31.10 *14.15*

Fig. 67BFVG
Grooved End Butterfly Valve

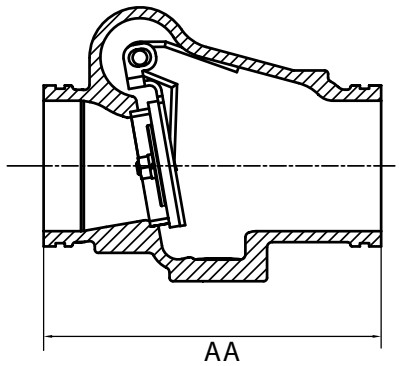
- 300 psi working pressure
- NBR 180° F maximum working temperature
- 10-Position lever handle or gear operator
- Grease fitting on gear operator
- Upper and lower shafts - Stainless Steel Grade 420 ASTM A-276
- O-Rings - NBR
- Body - ASTM A-536 Ductile Iron, Epoxy Coated
- Disc - ASTM A-536 Ductile Iron with NBR Coating
- Handwheel - Ductile Iron
- Lever Handle - ASTM A-536 Ductile Iron
- Lever Handle Lengths - 2" - 6" Valves = 10", 8" Valves = 13"
- Suitable for "Dead End" Service

See page 147 for drawings

Pipe Size	Part Number NBR		A	B	C	D	E	F	G	H	Hand-wheel	Weight w/Lever	Weight w/Gear
in / *mm*	Lever	Gear	in / *mm*	in / *mm*	in / *mm*	in / *mm*	in / *mm*	in / *mm*	in / *mm*	in / *mm*	in / *mm*	lb / *kg*	lb / *kg*
2 *50*	67BFVGNL020	67BFVGNG020	1.26 *32.0*	4.84 *123.0*	2.17 *55.0*	3.54 *90.0*	2.76 *70.0*	3.19 *81.0*	0.43 *11.0*	0.39 *10.0*	5.75 *146.0*	6.7 *3.0*	11.95 *5.4*
2-1/2 65	67BFVGNL024	67BFVGNG024	1.26 *32.0*	5.00 *127.0*	2.64 *67.0*	3.54 *90.0*	2.76 *70.0*	3.81 *96.8*	0.43 *11.0*	0.39 *10.0*	5.75 *146.0*	7.5 *3.4*	12.75 *5.8*
3 *80*	67BFVGNL030	67BFVGNG030	1.26 *32.0*	4.57 *116.0*	3.07 *78.0*	3.54 *90.0*	2.76 *70.0*	3.81 *96.8*	0.43 *11.0*	0.39 *10.0*	5.75 *146.0*	8.7 *3.9*	13.8 *6.3*
4 *100*	67BFVGNL040	67BFVGNG040	1.26 *32.0*	5.59 *142.0*	3.58 *91.0*	3.54 *90.0*	2.76 *70.0*	4.56 *115.8*	0.55 *14.0*	0.39 *10.0*	5.75 *146.0*	12.2 *5.5*	16.35 *7.4*
5 *125*	67BFVGNL050	67BFVGNG050	1.26 *32.0*	5.87 *149.0*	4.69 *119.0*	3.54 *90.0*	2.76 *70.0*	5.81 *147.6*	0.55 *14.0*	0.39 *10.0*	5.75 *146.0*	17.3 *7.9*	24.0 *10.9*
6 *150*	67BFVGNL060	67BFVGNG060	1.26 *32.0*	6.61 *168.0*	5.31 *135.0*	3.54 *90.0*	2.76 *70.0*	5.81 *147.6*	0.67 *17.0*	0.39 *10.0*	5.75 *146.0*	27.1 *12.3*	41.0 *18.4*
8 *200*	67BFVGNL080	67BFVGNG080	1.57 *40.0*	7.95 *202.0*	6.30 *160.0*	4.92 *125.0*	4.01 *102.0*	5.25 *133.4*	0.67 *17.0*	0.47 *12.0*	11.50 *292.0*	32.5 *14.6*	46.5 *20.9*
10 *250*	-	67BFVGNG100	1.57 *40.0*	9.00 *228.6*	7.80 *198.0*	4.92 *125.0*	4.01 *102.0*	6.25 *158.8*	0.87 *22.0*	0.47 *12.0*	11.50 *292.0*	- -	93.0 *41.9*
12 *300*	-	67BFVGNG120	1.57 *40.0*	10.50 *266.7*	9.06 *230.0*	4.92 *125.0*	4.01 *102.0*	6.50 *165.1*	0.87 *22.0*	0.47 *12.0*	11.50 *292.0*	- -	111.0 *49.9*

Fig. 67CV-A
Grooved Swing Check Valve

- Designed for use in wet pipe systems
- For vertical* or horizontal installation
- 300 psi working pressure
- NBR coated disc; brass seat
- Groove dimensions to AWWA C-606
- Fusion bonded epoxy coated interior & exterior
- Color – Black



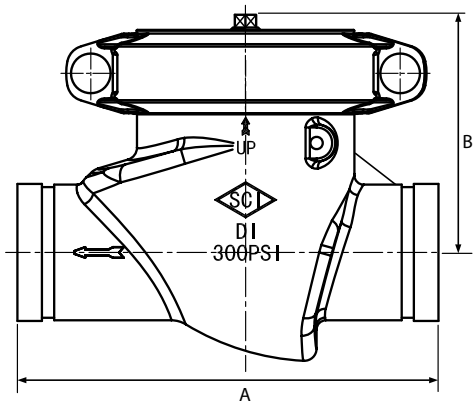
Pipe Size in / *mm*	Part Number Fig. 67CVN-A - NBR	AA in / *mm*	B in / *mm*	Weight lb / *kg*
2 *50*	67CVN3020A	6.73 *171.0*	2.50 *63.0*	5.9 *2.7*
2-1/2 *65*	67CVN3024A	7.25 *184.0*	3.50 *89.0*	8.1 *3.7*
3 *80*	67CVN3030A	7.75 *197.0*	3.75 *95.0*	10.6 *4.8*
4 *100*	67CVN3040A	8.11 *206.0*	4.25 *108.0*	17.4 *7.9*
5 *125*	67CVN3050A	9.76 *248.0*	4.50 *114.0*	32.0 *14.5*
6 *150*	67CVN3060A	11.50 *292.0*	5.25 *133.0*	36.5 *16.6*
8 *200*	67CVN3080A	14.00 *355.0*	6.25 *160.0*	60.4 *27.4*
10 *250*	67CVN3100A	18.00 *457.0*	7.40 *188.0*	134.0 *60.7*
12 *300*	67CVN3120A	21.00 *533.0*	8.10 *205.0*	194.0 *88.0*

Part	Material	Material Specification
Body	Ductile Iron	ASTM A-536 Grade 65-45-12
Body Seat	Brass	ASTM B62 C83600
Disc	Stainless or Ductile Iron	ASTM A-536 Grade 65-45-12
Disc Coating	Vulcanized Rubber	NBR
Shaft	Stainless Steel	AISI 316
Spring	Stainless Steel	AISI 304
Shaft Plug	Stainless Steel	AISI 304
Gasket	Rubber	NBR

Fig. 67CVO
Grooved Swing Check Valve with Bonnet

- Designed for use in oil, gas and mining services
- For horizontal installation only
- Removable bonnet for inline access and service
- 300 psi working pressure
- 316 Stainless Steel disc
- Color – Black

Part	Material	Material Specification
Body	Ductile Iron	ASTM A-536
Disc	Stainless Steel	AISI 316
Bolts	Carbon Steel	ASTM A-183
Gasket	Rubber	NBR

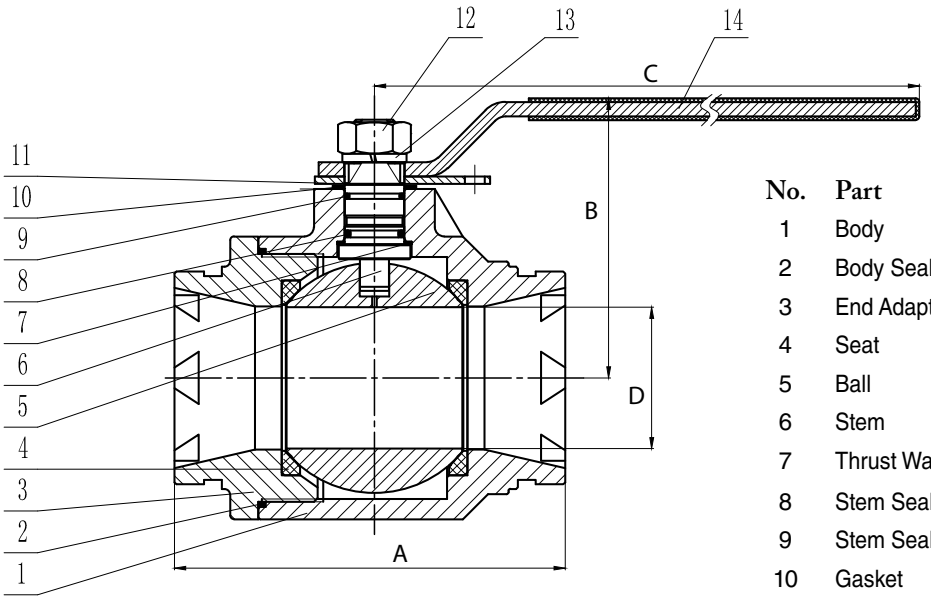


Pipe Size in / *mm*	Part Number	A in / *mm*	B in / *mm*	Weight lb / *kg*
2 *50*	67CVON3020	9.00 *229.0*	5.12 *130.0*	11.00 *5.00*
3 *80*	67CVON3030	10.75 *273.0*	6.00 *152.0*	19.20 *8.73*
4 *100*	67CVON3040	12.00 *305.0*	6.88 *175.0*	33.50 *15.20*
6 *152*	67CVON3060	16.15 *410*	8.86 *225*	52.6 *23.9*

Fig. 67GBV
Grooved Ball Valve

- Ductile Iron body, standard port
- NACE Compliant
- 316 Stainless Steel ball and stem
- PTFE body seat
- Viton® B Stem seals
- Lever handle with padlock feature
- Grooved end dimensions to AWWA C-606
- 2" – 4": 1,000 psi working pressure
- 6": 1,500 psi working pressure
- Color - Black

Not for use in potable water systems



No.	Part	Materials Specification
1	Body	ASTM A395 60-40-18
2	Body Seal	Viton B
3	End Adapter	ASTM A395 60-40-18
4	Seat	PTFE + 15% GF
5	Ball	ASTM A182 F316
6	Stem	ASTM A176 316
7	Thrust Washer	PTFE
8	Stem Seal	Viton B
9	Stem Seal	Viton B
10	Gasket	PTFE
11	Stop Plate	Carbon Steel + Ni
12	Nut	Carbon Steel + Zn
13	Spring Washer	Spring Steel
14	Handle	Carbon Steel

Pipe Size in / *mm*	Part Number	A in / *mm*	B in / *mm*	C in / *mm*	D in / *mm*	Weight lb / *kg*
2 *50*	67GBV1020	5.51 *140.0*	4.29 *109.0*	8.54 *216.9*	1.50 *38.1*	9.5 *4.32*
3 *80*	67GBV1030	6.73 *170.9*	5.57 *141.5*	10.00 *254.0*	2.56 *65.0*	22.2 *10.09*
4 *100*	67GBV1040	8.27 *210.1*	5.92 *150.4*	13.50 *342.9*	3.00 *76.2*	35.7 *16.23*
6 *150*	67GBV1060	10.12 *257.0*	10.13 *257.3*	39.37 *1000.0*	5.00 *127.0*	97.5 *44.32*

"C" Type and Triple Seal Gaskets:

1. Check to ensure that gasket is suitable for intended service and that the pipe groove is suitable for the intended coupling.
2. "C" type gasket is pre-lubricated; additional lubrication may be necessary. All other gaskets must be suitably lubricated.
3. Remove any dirt or debris from gasket and pipe ends.
4. Install gasket by placing it over pipe, ensuring that gasket lip does not overhang pipe end.
5. Bring both pipe ends together ensuring and align vertically and horizontally.
6. Slide gasket into position, properly centering between the grooved section of each pipe.
7. Place coupling housings over gasket so that the housing keys are fully engaged into the grooves.
8. Insert bolts into coupling and rotate nuts until finger tight.
9. Wrench-tighten bolts alternately to the torque requirements shown below.

End Shield™ Gaskets:

1. Check to ensure that gasket is suitable for intended service and that the pipe groove is suitable for the intended coupling.
2. "C" type gasket is pre-lubricated; additional lubrication may be necessary. All other gaskets must be suitably lubricated.
3. Remove any dirt or debris from gasket and pipe ends.
4. Insert the pipe end into the gasket until it contacts the gasket's center rib.
5. Bring both pipe ends together and align vertically and horizontally.
6. Insert the second pipe end into the gasket until it contacts the center rib.
7. Place coupling housings over gasket making sure that the tongue and recess areas of the housing mate properly.
8. Insert bolts into coupling and rotate nuts until finger tight.
9. Wrench-tighten bolts alternately to the torque requirements shown below.

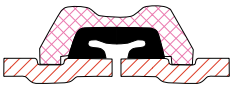
Grooved Coupling Bolt Torques

Pipe Size in / *mm*	Standard Flexible 65SF & 66SF ft /lbs / *N/M*	Standard Rigid 65SR & 66SR ft /lbs / *N/M*	Lightweight Flexible 65LF & 66LF ft /lbs / *N/M*	Lightweight Rigid 65LR & 66LR ft /lbs / *N/M*	Reducing Coupling 65RC & 66RC ft /lbs / *N/M*	High Pressure 65HP & 65HP-ES ft /lbs / *N/M*
1 *25*	30 *40*	30 *40*	–	–	–	–
1-1/4 *32*	50 *65*	30 *40*	30 *40*	30 *40*	–	–
1-1/2 *40*	50 *65*	30 *40*	30 *40*	30 *40*	–	–
2 *50*	50 *65*	30 *40*	30 *40*	30 *40*	30 *40*	90 *120*
2-1/2 *65*	50 *65*	50 *65*	30 *40*	30 *40*	50 *65*	–
3 *80*	50 *65*	50 *65*	30 *40*	30 *40*	50 *65*	90 *120*
3-1/2 *90*	90 *120*	50 *65*	50 *65*	30 *40*	–	–
4 *100*	90 *120*	50 *65*	50 *65*	30 *40*	50 *65*	150 *200*
5 *125*	150 *200*	90 *120*	90 *120*	50 *65*	90 *120*	–
6 *150*	150 *200*	90 *120*	90 *120*	50 *65*	90 *120*	200 *270*
8 *200*	200 *270*	150 *200*	150 *200*	90 *120*	150 *200*	–
10 *250*	250 *340*	200 *270*	–	–	–	–
12 *300*	250 *340*	200 *270*	–	–	–	–
14 *350*	250 *340*	200 *270*	–	–	–	–
16 *400*	250 *340*	200 *270*	–	–	–	–
18 *450*	300 *400*	200 *270*	–	–	–	–
20 *500*	300 *400*	250 *340*	–	–	–	–
24 *600*	300 *400*	250 *340*	–	–	–	–

Gasket Types

Standard "C" Type – Fig. 65GCPE (EPDM), 65GCPN (Nitrile) 65GCPF (Fluoroelastomer)

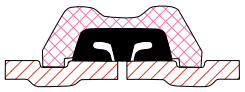
Standard "C" Type gaskets are the most commonly used coupling gasket. When installed, they provide a seal over each grooved pipe end. As coupling housings are tightened, they form the gasket to the inside cavity of the coupling creating an additional seal. The pressure of the system increases the sealing action of the gasket against the pipe, providing a leak-tight seal. For use with COOPLOK™ 65LR, 65LF, 65SR & 65SF couplings. For COOPLOK™ 65HP Couplings, use 65GHPN (Nitrile with Double Orange Stripe) gaskets only.



Available in Pre-Lubricated EPDM, Nitrile & Fluoroelastomer*. Sizes: 1-1/4" to 24"
*(Sizes: 1-1/4" to 12")

Triple Seal – Fig. 65GTRI (EPDM)

Triple Seal gaskets are typically used in dry pipe fire protection systems, freezer applications and vacuum service. They differ from the "C" Type gasket in that they have an additional center sealing surface that sits over the pipe gap where the grooved pipe ends meet. As the coupling housing is tightened, the center seal closes off the pipe gap and provides the "triple seal". Sold as part of COOPLOK™ 65LRTRI coupling.
(**NOTE:** A petroleum-free silicone based lubricant is recommended for dry pipe systems.)



Available in EPDM only. Sizes: 1-1/4" to 8"

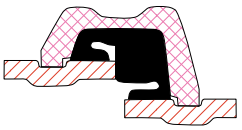
End Shield™ – Fig. 65GCPNES (Nitrile)

End Shield™ gaskets are specially designed for use with COOPLOK™ Grooved 65HP-ES high pressure rigid couplings in applications with lined pipe. They differ from the Triple Seal gasket in that the center rib is positioned in between the pipe ends. This results in a continuous lined surface and protects the pipe ends from corrosion and damage.

Available in Nitrile only. Sizes: 2", 3", 4" & 6"

Reducing Coupling – Fig. 65GRCE (EPDM) & 65GRCN (Nitrile)

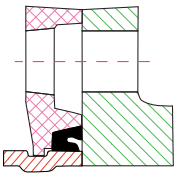
Reducing Coupling gaskets provide sealing surfaces for the two sizes of pipe they join, similar to the "C" Type gaskets. Coupling housings are tightened and the gasket seals each grooved pipe end. For use with COOPLOK™ 65RC coupling sizes only.



Available in EPDM & Nitrile. Sizes: 2" x 1-1/2" to 8" x 6"

Flange Adapter – Fig. 65GFHE (EPDM) & Fig. 65GFHN (Nitrile)

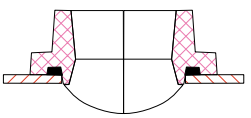
The Flange Adapter gasket provides a seal between the grooved end pipe and the flange surface it meets. Specifically designed for use with COOPLOK™ 65FH Hinged Flanged Adapter.



Available in EPDM & Nitrile. Sizes: 2" to 12"

Mechanical Tee – Fig. 65GMT (EPDM) & Strap Tee – Fig. 65GMU (EPDM)

Mechanical Tee & Strap Tee gaskets are made to conform to the exterior surface of the pipe. When fittings are tightened, a compression-type seal is formed. For use with COOPLOK™ 65MT, 65MG & 65MU fittings.



Available in EPDM only. Sizes: 2" to 8" for 65MT & 65MG; 1-1/4" to 2-1/2" for 65MU

Please see complete installation instructions at www.smithcooper.com for important guidelines and limitations on the use and applications of SCI COOPLOK™, Grooved Couplings and Fittings.

GROOVED

Gasket Selection Guidelines:

Smith-Cooper International carries a variety of gaskets for the COOPLOK™ Grooved product line. These gaskets are manufactured from different rubber compounds that will allow the use of COOPLOK™ Grooved products in a range of applications.

Each is uniquely identified with the SCI logo and figure number of the matching COOPLOK™ part, as required by Underwriters Laboratories.

Proper gasket selection is critical for specific intended service and/or application. Improper selection of rubber compound may result in joint failure or leakage, causing potential injury or damage.

Gasket Storage:

- Gaskets need to be stored indoors, in a cool, dry place, not subjected to freezing conditions, in original SCI packaging.
- Basic instructions on storage, cleaning and preservations of elastomer sealing element are described in ISO 2230 and must be observed.
- Gaskets exposed to light, heat, moisture, oils, solvents, oxygen and ozone may impair gasket performance. Exposure to these elements can degrade the elastomer which may cause softening, cracking, deformation, hardening and possible breakage if stored in an inappropriate manner.

Standard Gaskets

Grade	Temp. Range	Compound	Color Code	General Service Applications
E	-30°F to +230°F (-34°C to 110°C)	EPDM	Green Stripe	Water, dilute acids, alkalies, salts, and many chemical services not involving hydrocarbons, oils, or gases. Excellent oxidation resistance. **NOT FOR USE WITH HYDROCARBONS, LUBRICANTS OR OILS**
T	-20°F to +180°F (-29°C to 82°C)	Nitrile (Buna-N)	Orange Stripe	Petroleum products, vegetable oils, mineral oils and air contaminated with petroleum oils. **NOT FOR USE IN HOT WATER SERVICES.**
O	+20°F to +300°F (-6°C to 149°C)	Fluoroelastomer	Blue Stripe	High temperature resistance to oxidizing acids, petroleum oils, hydraulic fluids, halogenated hydrocarbons, and lubricants.

Gasket Grades – Common Applications

Water and Air Service	Gasket Grade
Air, (no oil vapors) Temp. -40°F to 230°F (-40° to 110°C)	E
Air, Oil vapor Temp. -20°F to 150°F (-29°C to 66°C)	T
Air, Oil vapor Temp. 20°F to 300°F (-7°C to 149°C)	O
Water, Temp. to 150°F (66°C)	E/T*
Water, Temp. to 230°F (110°C)	E
Water, Acid Mine	E/T*
Water, Chlorine	E/O*
Water, Deionized	E/T*
Water, Seawater	E/T*
Water, Waste	E/T*
Water, Lime	E/T*

Petroleum Products Service	Gasket Grade
Crude Oil - Sour	T
Diesel Oil	T
Fuel Oil	T
Gasoline, Leaded	T
Gasoline, Unleaded	O
Hydraulic Oil	T
JP-3, JP-4, and JP-5	T/O*
JP-6, 100°F (38°C) Maximum Temp.	T
Kerosene	T
Lube Oil, to 150°F (66°C)	T
Motor Oil	T
Tar and Tar Oil	T
Transmission Fluid - Type A	O
Turbo Oil #15 Diester Lubricant	O

**Where more than one gasket grade is shown the preferred gasket grade is listed first.*

Forged Carbon Steel, Stainless Steel Fittings & Outlets

Forged Carbon Steel Fittings and Outlets

2000# - 3000# - 6000#

Specifications

- SCI® branded fittings
- Forged carbon steel fitting material conforms to ASTM SA105N, NORMALIZED
- Forged carbon steel fitting dimensions conform to ASME B16.11
- Forged carbon steel fitting dimensions listed are either minimums or set by the factory per ASME B16.11, contact SCI for exact dimensional information
- NPT threads on forged steel fittings conform to ASME B1.20.1
- Forged carbon steel socket weld inserts conform to MSS-SP-79
- Forged carbon steel unions conform to MSS-SP-83
- Forged carbon steel outlet fittings conform to MSS-SP-97
- Manufacturing facility is ISO 9001:2008
- MTR's are available upon request
- ProPak™ Packaging

3000# Stainless Fittings

Specifications

- Forged stainless steel material conforms to ASTM A182 grade F304/304L - F316/316L
- Forged stainless steel fitting dimensions conform to ASME B16.11
- NPT threads conform to ASME B1.20.1
- Socket weld fittings conform to ASME B16.11
- Forged stainless union conform to MSS SP-83
- Forged stainless outlets conform to MSS SP-97
- Forged stainless socket weld inserts conform to MSS SP-79
- Manufacturing facility is ISO 9001:2008

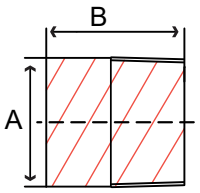


Fig. 42RP3 – Round Head Plug

Size in	Part Number	A in	B in	Master	Weight lb
1/2	42RP3004	0.84	1.75	150	0.2
3/4	42RP3006	1.06	1.75	100	0.4
1	42RP3010	1.31	2.00	80	0.7
1-1/4	42RP3012	1.69	2.00	50	1.2
1-1/2	42RP3014	1.91	2.00	30	1.7
2	42RP3020	2.38	2.50	20	3.2

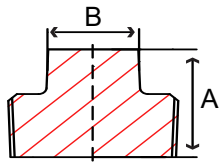


Fig. 42SP3, S4034SP & S4036SP – Square Head Plug

Size in	Part Number			A in	B in	Master	Weight lb
	Steel	304 / 304L	316 / 316L				
1/8	42SP3001	S4034SP001	S4036SP001	0.63	0.28	800	0.02
1/4	42SP3002	S4034SP002	S4036SP002	0.69	0.38	800	0.02
3/8	42SP3003	S4034SP003	S4036SP003	0.81	0.44	500	0.06
1/2	42SP3004	S4034SP004	S4036SP004	0.94	0.56	300	0.1
3/4	42SP3006	S4034SP006	S4036SP006	1.06	0.62	200	0.2
1	42SP3010	S4034SP010	S4036SP010	1.25	0.81	150	0.3
1-1/4	42SP3012	S4034SP012	S4036SP012	1.37	0.94	80	0.5
1-1/2	42SP3014	S4034SP014	S4036SP014	1.43	1.12	50	0.8
2	42SP3020	S4034SP020	S4036SP020	1.57	1.31	30	1.3
2-1/2	42SP3024	-	-	1.81	1.50	15	2.1
3	42SP3030	-	-	1.93	1.69	10	3.3
4	42SP3040	-	-	2.25	2.50	3	8.4

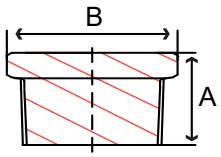


Fig. 42HP3, S4034HP & S4036HP – Hex Head Plug

Size in	Part Number			A in	B in	Master	Weight lb
	Steel	304 / 304L	316 / 316L				
1/8	42HP3001	S4034HP001	S4036HP001	0.63	0.44	800	0.02
1/4	42HP3002	S4034HP002	S4036HP002	0.69	0.62	800	0.06
3/8	42HP3003	S4034HP003	S4036HP003	0.81	0.69	600	0.08
1/2	42HP3004	S4034HP004	S4036HP004	0.87	0.88	250	0.1
3/4	42HP3006	S4034HP006	S4036HP006	1.00	1.06	150	0.3
1	42HP3010	S4034HP010	S4036HP010	1.13	1.38	100	0.4
1-1/4	42HP3012	S4034HP012	S4036HP012	1.37	1.75	35	0.9
1-1/2	42HP3014	S4034HP014	S4036HP014	1.43	2.00	25	1.3
2	42HP3020	S4034HP020	S4036HP020	1.57	2.50	20	2.2
2-1/2	42HP3024	S4034HP024	S4036HP024	1.81	3.00	8	3.9
3	42HP3030	S4034HP030	S4036HP030	1.93	3.50	6	5.7
4	42HP3040	-	-	2.25	4.62	4	11.4

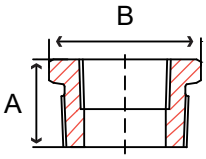
Plugs and bushings are not identified by class designation. They may be used for ratings up through Class 6000 designation

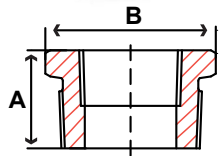
SCI ProPak™ System

FORGED

Fig. 42HB3 Carbon Steel, S4034HB & S4036HB Stainless Steel – Hex Bushing

Size in	Part Number			A in	B in	Master	Weight lb
	Steel	304 / 304L	316 / 316L				
1/4 x 1/8	42HB3002001	S4034HB002001	S4036HB002001	0.56	0.62	600	0.02
3/8 x 1/8	42HB3003001	S4034HB003001	S4036HB003001	0.66	0.69	500	0.02
3/8 x 1/4	42HB3003002	S4034HB003002	S4036HB003002	0.66	0.69	500	0.02
1/2 x 1/8	42HB3004001	S4034HB004001	S4036HB004001	0.75	0.88	400	0.06
1/2 x 1/4	42HB3004002	S4034HB004002	S4036HB004002	0.75	0.88	400	0.06
1/2 x 3/8	42HB3004003	S4034HB004003	S4036HB004003	0.75	0.88	400	0.06
3/4 x 1/8	42HB3006001	S4034HB006001	S4036HB006001	0.84	1.06	200	0.1
3/4 x 1/4	42HB3006002	S4034HB006002	S4036HB006002	0.84	1.06	200	0.1
3/4 x 3/8	42HB3006003	S4034HB006003	S4036HB006003	0.84	1.06	200	0.1
3/4 x 1/2	42HB3006004	S4034HB006004	S4036HB006004	0.84	1.06	200	0.1
1 x 1/8	42HB3010001	S4034HB010001	S4036HB010001	1.00	1.38	100	0.2
1 x 1/4	42HB3010002	S4034HB010002	S4036HB010002	1.00	1.38	100	0.2
1 x 3/8	42HB3010003	S4034HB010003	S4036HB010003	1.00	1.38	100	0.2
1 x 1/2	42HB3010004	S4034HB010004	S4036HB010004	1.00	1.38	100	0.2
1 x 3/4	42HB3010006	S4034HB010006	S4036HB010006	1.00	1.38	100	0.2
1-1/4 x 1/8	42HB3012001	S4034HB012001	S4036HB012001	1.09	1.75	70	0.8
1-1/4 x 1/4	42HB3012002	S4034HB012002	S4036HB012002	1.09	1.75	70	0.3
1-1/4 x 3/8	42HB3012003	S4034HB012003	S4036HB012003	1.09	1.75	70	0.3
1-1/4 x 1/2	42HB3012004	S4034HB012004	S4036HB012004	1.09	1.75	70	0.5
1-1/4 x 3/4	42HB3012006	S4034HB012006	S4036HB012006	1.09	1.75	70	0.5
1-1/4 x 1	42HB3012010	S4034HB012010	S4036HB012010	1.09	1.75	70	0.5
1-1/2 x 1/8	42HB3014001	S4034HB014001	S4036HB014001	1.12	2.00	50	1.3
1-1/2 x 1/4	42HB3014002	S4034HB014002	S4036HB014002	1.12	2.00	50	1.3
1-1/2 x 3/8	42HB3014003	S4034HB014003	S4036HB014003	1.12	2.00	50	1.3
1-1/2 x 1/2	42HB3014004	S4034HB014004	S4036HB014004	1.12	2.00	50	1.0
1-1/2 x 3/4	42HB3014006	S4034HB014006	S4036HB014006	1.12	2.00	50	0.8
1-1/2 x 1	42HB3014010	S4034HB014010	S4036HB014010	1.12	2.00	50	0.7
1-1/2 x 1-1/4	42HB3014012	S4034HB014012	S4036HB014012	1.12	2.00	50	0.7
2 x 1/4	42HB3020002	S4034HB020002	S4036HB020002	1.22	2.50	25	0.8
2 x 3/8	42HB3020003	S4034HB020003	S4036HB020003	1.22	2.50	25	1.8
2 x 1/2	42HB3020004	S4034HB020004	S4036HB020004	1.22	2.50	25	1.7
2 x 3/4	42HB3020006	S4034HB020006	S4036HB020006	1.22	2.50	25	1.6
2 x 1	42HB3020010	S4034HB020010	S4036HB020010	1.22	2.50	25	1.5
2 x 1-1/4	42HB3020012	S4034HB020012	S4036HB020012	1.22	2.50	25	0.9
2 x 1-1/2	42HB3020014	S4034HB020014	S4036HB020014	1.22	2.50	25	0.9
2-1/2 x 1/2	42HB3024004	S4034HB024004	S4036HB024004	1.44	3.00	15	1.1
2-1/2 x 3/4	42HB3024006	S4034HB024006	S4036HB024006	1.44	3.00	15	1.1
2-1/2 x 1	42HB3024010	S4034HB024010	S4036HB024010	1.44	3.00	15	1.1
2-1/2 x 1-1/4	42HB3024012	S4034HB024012	S4036HB024012	1.44	3.00	15	1.1
2-1/2 x 1-1/2	42HB3024014	S4034HB024014	S4036HB024014	1.44	3.00	15	1.3
2-1/2 x 2	42HB3024020	S4034HB024020	S4036HB024020	1.44	3.00	15	1.3
3 x 1/4	42HB3030002	S4034HB030002	S4036HB030002	1.53	3.50	10	5.3
3 x 1/2	42HB3030004	S4034HB030004	S4036HB030004	1.53	3.50	10	5.2
3 x 3/4	42HB3030006	S4034HB030006	S4036HB030006	1.53	3.50	10	4.6
3 x 1	42HB3030010	S4034HB030010	S4036HB030010	1.53	3.50	10	5.0
3 x 1-1/4	42HB3030012	S4034HB030012	S4036HB030012	1.53	3.50	10	3.4
3 x 1-1/2	42HB3030014	S4034HB030014	S4036HB030014	1.53	3.50	10	3.1
3 x 2	42HB3030020	S4034HB030020	S4036HB030020	1.53	3.50	10	2.7
3 x 2-1/2	42HB3030024	S4034HB030024	S4036HB030024	1.53	3.50	10	2.3
4 x 1	42HB3040010	-	-	1.75	4.62	5	9.4
4 x 1-1/4	42HB3040012	-	-	1.75	4.62	5	8.5
4 x 1-1/2	42HB3040014	-	-	1.75	4.62	5	7.6
4 x 2	42HB3040020	-	-	1.75	4.62	5	6.7
4 x 2-1/2	42HB3040024	-	-	1.75	4.62	5	5.7
4 x 3	42HB3040030	-	-	1.75	4.62	5	4.7





Plugs and bushings are not identified by class designation. They may be used for ratings up through Class 6000 designation

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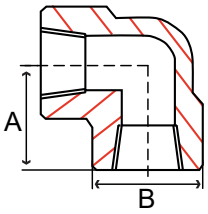
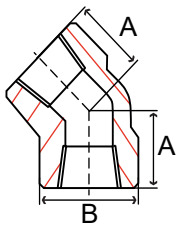
2000#

Fig. 42E 2 – 90° Elbow



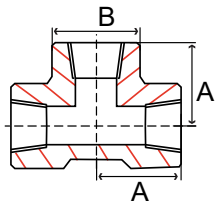
Size in	Part Number	A in	B in	Master	Weight lb
1/8	42E 2001	0.81	0.88	150	0.2
1/4	42E 2002	0.81	0.88	150	0.2
3/8	42E 2003	0.97	1.00	100	0.3
1/2	42E 2004	1.12	1.31	80	0.5
3/4	42E 2006	1.31	1.50	50	0.7
1	42E 2010	1.50	1.81	30	1.1
1-1/4	42E 2012	1.75	2.19	20	1.8
1-1/2	42E 2014	2.00	2.44	15	2.3
2	42E 2020	2.38	2.97	8	3.7
2-1/2	42E 2024	3.00	3.62	4	6.9
3	42E 2030	3.38	4.31	2	10.0
4	42E 2040	4.19	5.75	1	22.5

Fig. 42F 2 – 45° Elbow



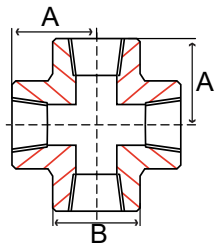
Size in	Part Number	A in	B in	Master	Weight lb
1/4	42F 2002	0.69	0.88	150	0.2
3/8	42F 2003	0.75	1.00	100	0.2
1/2	42F 2004	0.88	1.31	80	0.4
3/4	42F 2006	1.00	1.50	50	0.5
1	42F 2010	1.12	1.81	30	0.9
1-1/4	42F 2012	1.31	2.19	20	1.4
1-1/2	42F 2014	1.38	2.44	15	1.8
2	42F 2020	1.69	2.97	10	3.1
2-1/2	42F 2024	2.06	3.62	6	7.6
3	42F 2030	2.50	4.31	2	11.9
4	42F 2040	3.12	5.75	2	19.7

Fig. 42T 2 – Tee



Size in	Part Number	A in	B in	Master	Weight lb
1/4	42T 2002	0.81	0.88	100	0.2
3/8	42T 2003	0.97	1.00	80	0.3
1/2	42T 2004	1.12	1.31	50	0.6
3/4	42T 2006	1.31	1.50	35	0.9
1	42T 2010	1.50	1.81	20	1.5
1-1/4	42T 2012	1.75	2.19	15	2.3
1-1/2	42T 2014	2.00	2.44	10	3.0
2	42T 2020	2.38	2.97	6	4.7
2-1/2	42T 2024	3.00	3.62	3	9.0
3	42T 2030	3.38	4.31	2	13.4
4	42T 2040	4.19	5.75	1	32.4

Fig. 42X 2 – Cross



Size in	Part Number	A in	B in	Master	Weight lb
3/8	42X 2003	0.97	1.00	60	0.4
1/2	42X 2004	1.12	1.31	40	0.8
3/4	42X 2006	1.31	1.50	30	1.1
1	42X 2010	1.50	1.81	20	1.6
1-1/4	42X 2012	1.75	2.19	10	2.4
1-1/2	42X 2014	2.00	2.44	6	3.5
2	42X 2020	2.38	2.97	4	5.7
2-1/2	42X 2024	3.00	3.62	3	10.4
3	42X 2030	3.38	4.31	3	15.0

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Fig. 42E 3, S4034E & S4036E – 90° Elbow

Size in	Part Number			A in	B in	Master	Weight lb
	Steel	304/304L	316/316L				
1/8	42E 3001	S4034E 001	S4036E 001	0.81	0.88	100	0.2
1/4	42E 3002	S4034E 002	S4036E 002	0.97	1.00	100	0.7
3/8	42E 3003	S4034E 003	S4036E 003	1.12	1.31	80	0.6
1/2	42E 3004	S4034E 004	S4036E 004	1.31	1.50	50	0.9
3/4	42E 3006	S4034E 006	S4036E 006	1.50	1.81	25	1.5
1	42E 3010	S4034E 010	S4036E 010	1.75	2.19	20	2.2
1-1/4	42E 3012	S4034E 012	S4036E 012	2.00	2.44	15	3.1
1-1/2	42E 3014	S4034E 014	S4036E 014	2.38	2.97	6	4.8
2	42E 3020	S4034E 020	S4036E 020	2.50	3.31	5	5.4
2-1/2	42E 3024	S4034E 024	S4036E 024	3.25	4.00	2	13.2
3	42E 3030	S4034E 030	S4036E 030	3.75	4.75	1	19.5
4	42E 3040	-	-	4.50	6.00	1	32.7

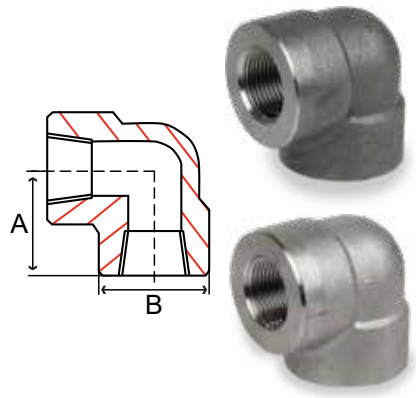


Fig. 42SE3, S4034SE & S4036SE – 90° Street Elbow

Size in	Part Number			A in	B in	C in	Master	Weight lb
	Steel	304/304L	316/316L					
1/8	42SE3001	S4034SE001	S4036SE001	0.75	0.75	1.25	200	0.2
1/4	42SE3002	S4034SE002	S4036SE002	0.88	1.00	1.25	150	0.2
3/8	42SE3003	S4034SE003	S4036SE003	1.00	1.25	1.50	80	0.4
1/2	42SE3004	S4034SE004	S4036SE004	1.12	1.50	1.69	50	0.6
3/4	42SE3006	S4034SE006	S4036SE006	1.38	1.75	1.94	30	1.1
1	42SE3010	S4034SE010	S4036SE010	1.75	2.00	2.31	20	2.2
1-1/4	42SE3012	S4034SE012	S4036SE012	2.00	2.44	2.69	15	2.4
1-1/2	42SE3014	S4034SE014	S4036SE014	2.12	2.75	2.81	8	4.4
2	42SE3020	S4034SE020	S4036SE020	2.50	3.31	3.38	5	6.4

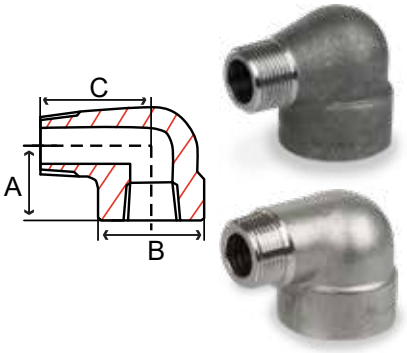


Fig. 42F 3, S4034F & S4036F – 45° Elbow

Size in	Part Number			A in	B in	Master	Weight lb
	Steel	304/304L	316/316L				
1/8	42F 3001	S4034F 001	S4036F 001	0.66	0.86	100	0.2
1/4	42F 3002	S4034F 002	S4036F 002	0.75	1.00	100	0.2
3/8	42F 3003	S4034F 003	S4036F 003	0.88	1.31	80	0.5
1/2	42F 3004	S4034F 004	S4036F 004	1.00	1.50	50	0.7
3/4	42F 3006	S4034F 006	S4036F 006	1.12	1.81	30	1.2
1	42F 3010	S4034F 010	S4036F 010	1.31	2.19	20	2.0
1-1/4	42F 3012	S4034F 012	S4036F 012	1.38	2.44	15	2.2
1-1/2	42F 3014	S4034F 014	S4036F 014	1.69	2.97	8	4.5
2	42F 3020	S4034F 020	S4036F 020	1.72	3.31	6	4.9
2-1/2	42F 3024	S4034F 024	S4036F 024	2.06	4.00	2	8.1
3	42F 3030	S4034F 030	S4036F 030	2.50	4.75	2	13.1
4	42F 3040	-	-	3.12	6.00	1	19.7

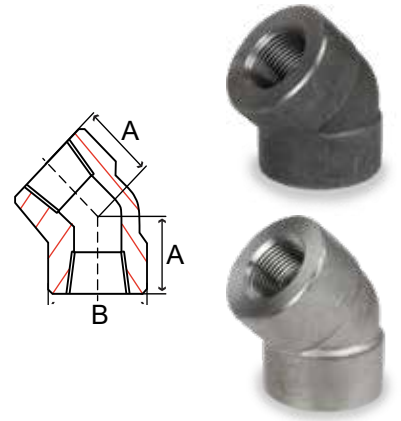
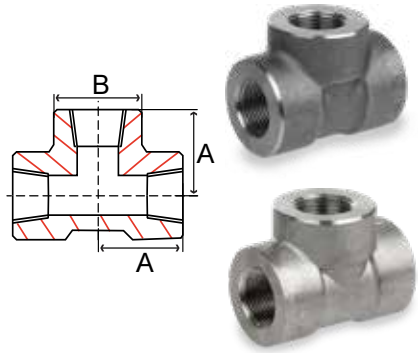


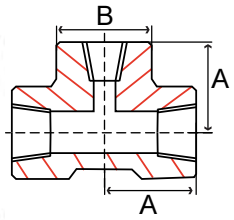
Fig. 42T 3, S4034T & S4036T – Tee

Size in	Part Number			A in	B in	Master	Weight lb
	Steel	304/304L	316/316L				
1/8	42T 3001	S4034T 001	S4036T 001	0.81	0.88	80	0.2
1/4	42T 3002	S4034T 002	S4036T 002	0.97	1.00	80	0.4
3/8	42T 3003	S4034T 003	S4036T 003	1.12	1.31	50	0.8
1/2	42T 3004	S4034T 004	S4036T 004	1.31	1.50	35	1.2
3/4	42T 3006	S4034T 006	S4036T 006	1.50	1.81	20	2.0
1	42T 3010	S4034T 010	S4036T 010	1.75	2.19	15	3.2
1-1/4	42T 3012	S4034T 012	S4036T 012	2.00	2.44	10	3.8
1-1/2	42T 3014	S4034T 014	S4036T 014	2.38	2.97	5	7.2
2	42T 3020	S4034T 020	S4036T 020	2.50	3.31	4	7.7
2-1/2	42T 3024	S4034T 024	S4036T 024	3.25	4.00	2	15.4
3	42T 3030	S4034T 030	S4036T 030	3.75	4.75	1	22.4
4	42T 3040	-	-	4.50	6.00	1	39.6



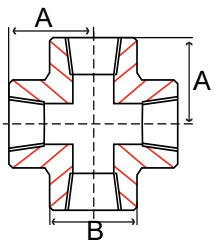
3000#

Fig. 42RT3, S4034RT & S4036RT – Reducing Tee



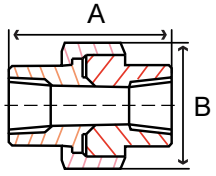
Size in	Part Number			A in	B in	Master	Weight lb
	Steel	304/304L	316/316L				
1/2 X 1/4	-	S4034RT004002	S4036RT004002	1.30	1.49	20	1.8
3/4 X 1/4	-	S4034RT006002	S4036RT006002	1.50	1.81	15	2.9
3/4 X 3/8	-	S4034RT006003	S4036RT006003	1.50	1.81	15	2.9
3/4 x 1/2	42RT3006004	S4034RT006004	S4036RT006004	1.50	1.81	20	1.8
1 X 3/8	-	S4034RT010003	S4036RT010003	1.75	2.19	10	3.6
1 x 1/2	42RT3010004	S4034RT010004	S4036RT010004	1.75	2.19	15	2.9
1 x 3/4	42RT3010006	S4034RT010006	S4036RT010006	1.75	2.19	15	2.9
1-1/4 x 1/2	42RT3012004	-	-	2.00	2.44	10	3.6
1-1/4 x 3/4	42RT3012006	-	-	2.00	2.44	10	3.6
1-1/4 x 1	42RT3012010	-	-	2.00	2.44	10	3.6
1-1/2 x 1/2	42RT3014004	S4034RT014004	S4036RT014004	2.38	2.97	5	6.8
1-1/2 x 3/4	42RT3014006	S4034RT014006	S4036RT014006	2.38	2.97	5	6.8
1-1/2 x 1	42RT3014010	S4034RT014010	S4036RT014010	2.38	2.97	5	6.8
1-1/2 x 1-1/4	42RT3014012	S4034RT014012	S4036RT014012	2.38	2.97	5	6.8
2 X 3/8	-	S4034RT020003	S4036RT020003	2.50	3.31	4	7.0
2 x 1/2	42RT3020004	S4034RT020004	S4036RT020004	2.50	3.31	4	7.0
2 x 3/4	42RT3020006	S4034RT020006	S4036RT020006	2.50	3.31	4	7.0
2 x 1	42RT3020010	S4034RT020010	S4036RT020010	2.50	3.31	4	7.0
2 x 1-1/4	42RT3020012	S4034RT020012	S4036RT020012	2.50	3.31	4	7.0
2 x 1-1/2	42RT3020014	S4034RT020014	S4036RT020014	2.50	3.31	4	7.0
3 x 2	42RT3030020	-	-	2.50	3.31	4	7.0

Fig. 42X 3, S4034X & S4036X – Cross



Size in	Part Number			A in	B in	Master	Weight lb
	Steel	304/304L	316/316L				
1/8	42X 3001	S4034X 001	S4036X 001	0.81	0.88	40	0.4
1/4	42X 3002	S4034X 002	S4036X 002	0.97	1.00	40	0.5
3/8	42X 3003	S4034X 003	S4036X 003	1.12	1.31	40	0.9
1/2	42X 3004	S4034X 004	S4036X 004	1.31	1.50	30	1.4
3/4	42X 3006	S4034X 006	S4036X 006	1.50	1.81	20	2.5
1	42X 3010	S4034X 010	S4036X 010	1.75	2.19	12	3.5
1-1/4	42X 3012	S4034X 012	S4036X 012	2.00	2.44	6	4.1
1-1/2	42X 3014	S4034X 014	S4036X 014	2.38	2.97	4	6.5
2	42X 3020	S4034X 020	S4036X 020	2.50	3.31	4	8.1
2-1/2	42X 3024	-	-	3.25	4.00	2	39.8
3	42X 3030	-	-	3.75	4.75	2	22.0
4	42X 3040	-	-	4.50	6.00	1	48.8

Fig. 42U 3, S4034U & S4036U – Union



Size in	Part Number			A in	B in	Master	Weight lb
	Steel	304/304L	316/316L				
1/8	42U 3001	S4034U 001	S4036U 001	1.66	1.48	70	0.6
1/4	42U 3002	S4034U 002	S4036U 002	1.66	1.48	70	0.6
3/8	42U 3003	S4034U 003	S4036U 003	1.83	1.66	70	0.5
1/2	42U 3004	S4034U 004	S4036U 004	2.00	1.93	50	0.7
3/4	42U 3006	S4034U 006	S4036U 006	2.31	2.38	35	1.0
1	42U 3010	S4034U 010	S4036U 010	2.42	2.78	20	1.6
1-1/4	42U 3012	S4034U 012	S4036U 012	2.86	3.35	14	2.2
1-1/2	42U 3014	S4034U 014	S4036U 014	3.00	3.70	10	3.5
2	42U 3020	S4034U 020	S4036U 020	3.50	4.42	5	5.3
2-1/2	42U 3024	S4034U 024	S4036U 024	4.25	5.22	3	8.0
3	42U 3030	S4034U 030	S4036U 030	4.42	6.15	2	11.6
4	42U 3040	-	-	7.00	6.20	-	27.4

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Fig. 42CP3, S4034CP & S4036CP – Coupling

Size	Part Number			A	B	Master	Weight
in	Steel	304/304L	316/316L	in	in		lb
1/8	42CP3001	S4034CP001	S4036CP001	1.25	0.62	250	0.1
1/4	42CP3002	S4034CP002	S4036CP002	1.38	0.75	250	0.1
3/8	42CP3003	S4034CP003	S4036CP003	1.50	0.88	200	0.1
1/2	42CP3004	S4034CP004	S4036CP004	1.88	1.12	100	0.2
3/4	42CP3006	S4034CP006	S4036CP006	2.00	1.38	70	0.4
1	42CP3010	S4034CP010	S4036CP010	2.38	1.75	35	0.9
1-1/4	42CP3012	S4034CP012	S4036CP012	2.62	2.25	20	1.7
1-1/2	42CP3014	S4034CP014	S4036CP014	3.12	2.50	15	2.3
2	42CP3020	S4034CP020	S4036CP020	3.38	3.00	10	3.0
2-1/2	42CP3024	S4034CP024	S4036CP024	3.62	3.62	5	5.0
3	42CP3030	S4034CP030	S4036CP030	4.25	4.25	3	7.4
4	42CP3040	S4034CP040	S4036CP040	4.75	5.50	2	13.8

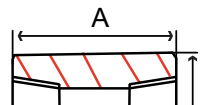


Fig. 42HP3, S4034HC & S4036HC – Half Coupling

Size	Part Number			A	B	Master	Weight
in	Steel	304/304L	316/316L	in	in		lb
1/8	42HC3001	S4034HC001	S4036HC001	0.62	0.62	400	0.04
1/4	42HC3002	S4034HC002	S4036HC002	0.69	0.75	800	0.04
3/8	42HC3003	S4034HC003	S4036HC003	0.75	0.88	500	0.06
1/2	42HC3004	S4034HC004	S4036HC004	0.94	1.12	250	0.1
3/4	42HC3006	S4034HC006	S4036HC006	1.00	1.38	150	0.2
1	42HC3010	S4034HC010	S4036HC010	1.17	1.75	80	0.5
1-1/4	42HC3012	S4034HC012	S4036HC012	1.31	2.25	35	0.7
1-1/2	42HC3014	S4034HC014	S4036HC014	1.56	2.50	30	1.1
2	42HC3020	S4034HC020	S4036HC020	1.67	3.00	20	1.5
2-1/2	42HC3024	S4034HC024	S4036HC024	1.81	3.62	12	2.4
3	42HC3030	S4034HC030	S4036HC030	2.12	4.25	6	3.7
4	42HC3040	-	-	2.37	5.50	4	6.8

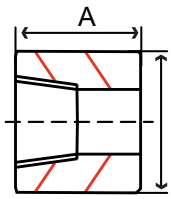
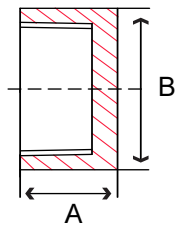


Fig. 42C 3, S4034C & S4036C – Cap

Size	Part Number			A	B	Master	Weight
in	Steel	304/304L	316/316L	in	in		lb
1/8	42C 3001	S4034C 001	S4036C 001	0.75	0.62	300	0.05
1/4	42C 3002	S4034C 002	S4036C 002	1.00	0.75	300	0.1
3/8	42C 3003	S4034C 003	S4036C 003	1.00	0.88	250	0.1
1/2	42C 3004	S4034C 004	S4036C 004	1.25	1.12	130	0.2
3/4	42C 3006	S4034C 006	S4036C 006	1.44	1.38	80	0.3
1	42C 3010	S4034C 010	S4036C 010	1.62	1.75	50	0.8
1-1/4	42C 3012	S4034C 012	S4036C 012	1.75	2.25	30	1.3
1-1/2	42C 3014	S4034C 014	S4036C 014	1.75	2.50	25	1.5
2	42C 3020	S4034C 020	S4036C 020	1.88	3.00	15	2.4
2-1/2	42C 3024	S4034C 024	S4036C 024	2.38	3.62	10	4.8
3	42C 3030	S4034C 030	S4036C 030	2.56	4.25	5	7.7
4	42C 3040	-	-	2.69	5.50	3	10.6



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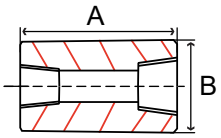

Fig. 42RC3, S4034RC & S4036RC – Reducing Coupling

Size in	Part Number			A in	B in	Master	Weight lb
	Steel	304/304L	316/316L				
1/4 x 1/8	42RC3002001	S4034RC002001	S4036RC002001	1.38	0.75	250	0.1
3/8 x 1/8	42RC3003001	S4034RC003001	S4036RC003001	1.50	0.88	200	0.1
3/8 x 1/4	42RC3003002	S4034RC003002	S4036RC003002	1.50	0.88	200	0.1
1/2 x 1/8	42RC3004001	S4034RC004001	S4036RC004001	1.88	1.12	100	0.2
1/2 x 1/4	42RC3004002	S4034RC004002	S4036RC004002	1.88	1.12	100	0.4
1/2 x 3/8	42RC3004003	S4034RC004003	S4036RC004003	1.88	1.12	100	0.2
3/4 x 1/8	42RC3006001	-	-	2.00	1.33	70	0.4
3/4 x 1/4	42RC3006002	S4034RC006002	S4036RC006002	2.00	1.33	70	0.4
3/4 x 3/8	42RC3006003	S4034RC006003	S4036RC006003	2.00	1.33	70	0.4
3/4 x 1/2	42RC3006004	S4034RC006004	S4036RC006004	2.00	1.33	70	0.4
1 x 1/8	42RC3010001	-	-	2.38	1.75	35	0.8
1 x 1/4	42RC3010002	S4034RC010002	S4036RC010002	2.38	1.75	35	0.8
1 x 3/8	42RC3010003	S4034RC010003	S4036RC010003	2.38	1.75	35	0.8
1 x 1/2	42RC3010004	S4034RC010004	S4036RC010004	2.38	1.75	35	0.8
1 x 3/4	42RC3010006	S4034RC010006	S4036RC010006	2.38	1.75	35	0.8
1-1/4 x 1/8	42RC3012001	-	-	2.62	2.25	20	1.5
1-1/4 x 1/4	42RC3012002	S4034RC012002	S4036RC012002	2.62	2.25	20	1.5
1-1/4 x 3/8	42RC3012003	-	-	2.62	2.25	20	1.5
1-1/4 x 1/2	42RC3012004	S4034RC012004	S4036RC012004	2.62	2.25	20	1.5
1-1/4 x 3/4	42RC3012006	S4034RC012006	S4036RC012006	2.62	2.25	20	1.5
1-1/4 x 1	42RC3012010	S4034RC012010	S4036RC012010	2.62	2.25	20	1.5
1-1/2 x 1/8	42RC3014001	-	-	3.12	2.50	15	2.1
1-1/2 x 1/4	42RC3014002	S4034RC014002	S4036RC014002	3.12	2.50	15	2.1
1-1/2 x 3/8	42RC3014003	S4034RC014003	S4036RC014003	3.12	2.50	15	2.1
1-1/2 x 1/2	42RC3014004	S4034RC014004	S4036RC014004	3.12	2.50	15	2.1
1-1/2 x 3/4	42RC3014006	S4034RC014006	S4036RC014006	3.12	2.50	15	2.1
1-1/2 x 1	42RC3014010	S4034RC014010	S4036RC014010	3.12	2.50	15	2.8
1-1/2 x 1-1/4	42RC3014012	S4034RC014012	S4036RC014012	3.12	2.50	15	2.1
2 x 1/8	42RC3020001	-	-	3.38	3.00	10	3.0
2 x 1/4	42RC3020002	-	-	3.38	3.00	10	3.0
2 x 3/8	42RC3020003	-	-	3.38	3.00	10	3.0
2 x 1/2	42RC3020004	S4034RC020004	S4036RC020004	3.38	3.00	10	3.0
2 x 3/4	42RC3020006	S4034RC020006	S4036RC020006	3.38	3.00	10	3.0
2 x 1	42RC3020010	S4034RC020010	S4036RC020010	3.38	3.00	10	4.5
2 x 1-1/4	42RC3020012	S4034RC020012	S4036RC020012	3.38	3.00	10	3.3
2 x 1-1/2	42RC3020014	S4034RC020014	S4036RC020014	3.38	3.00	10	3.9
2-1/2 x 1/2	42RC3024004	-	-	3.62	3.62	5	5.7
2-1/2 x 3/4	42RC3024006	-	-	3.62	3.62	5	4.5
2-1/2 x 1	42RC3024010	-	-	3.62	3.62	5	4.5
2-1/2 x 1-1/4	42RC3024012	-	-	3.62	3.62	5	4.5
2-1/2 x 1-1/2	42RC3024014	-	-	3.62	3.62	5	4.5
2-1/2 x 2	42RC3024020	-	-	3.62	3.62	5	4.5
3 x 3/4	42RC3030006	-	-	4.25	4.25	3	6.7
3 x 1	42RC3030010	-	-	4.25	4.25	3	6.7
3 x 1-1/4	42RC3030012	-	-	4.25	4.25	3	6.7
3 x 1-1/2	42RC3030014	-	-	4.25	4.25	3	6.7
3 x 2	42RC3030020	-	-	4.25	4.25	3	6.7
3 x 2-1/2	42RC3030024	-	-	4.25	4.25	3	6.7
4 x 1-1/2	42RC3040014	-	-	4.75	5.50	2	11.9
4 x 2	42RC3040020	-	-	4.75	5.50	2	11.9
4 x 2-1/2	42RC3040024	-	-	4.75	5.50	2	11.9
4 x 3	42RC3040030			4.75	5.50	2	11.9

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Fig. 52E 3, S5034E & S5036E – 90° Elbow

Size	Part Number			A	B	Master	Weight
in	Steel	304/304L	316/316L	in	in		lb
1/8	52E 3001	S5034E 001	S5036E 001	0.82	0.68	150	0.2
1/4	52E 3002	S5034E 002	S5036E 002	0.82	0.82	150	0.3
3/8	52E 3003	S5034E 003	S5036E 003	0.91	0.98	100	0.2
1/2	52E 3004	S5034E 004	S5036E 004	1.00	1.20	80	0.4
3/4	52E 3006	S5034E 006	S5036E 006	1.25	1.41	50	0.7
1	52E 3010	S5034E 010	S5036E 010	1.38	1.74	30	1.1
1-1/4	52E 3012	S5034E 012	S5036E 012	1.56	2.10	20	1.8
1-1/2	52E 3014	S5034E 014	S5036E 014	1.75	2.36	15	2.3
2	52E 3020	S5034E 020	S5036E 020	2.12	2.89	8	3.7
2-1/2	52E 3024	S5034E 024	S5036E 024	2.24	3.54	4	7.0
3	52E 3030	S5034E 030	S5036E 030	2.87	4.21	2	11.8
4	52E 3040	-	-	3.37	5.30	1	24.1

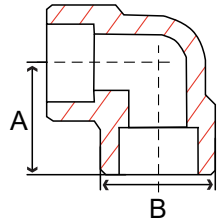

Fig. 52F 3, S5034F & S5036F – 45° Elbow

Size	Part Number			A	B	Master	Weight
in	Steel	304/304L	316/316L	in	in		lb
1/8	52F 3001	S5034F 001	S5036F 001	0.69	0.68	150	0.3
1/4	52F 3002	S5034F 002	S5036F 002	0.69	0.82	150	0.3
3/8	52F 3003	S5034F 003	S5036F 003	0.69	0.98	100	0.2
1/2	52F 3004	S5034F 004	S5036F 004	0.82	1.20	80	0.4
3/4	52F 3006	S5034F 006	S5036F 006	1.00	1.41	50	0.6
1	52F 3010	S5034F 010	S5036F 010	1.06	1.74	30	0.9
1-1/4	52F 3012	S5034F 012	S5036F 012	1.19	2.10	20	1.5
1-1/2	52F 3014	S5034F 014	S5036F 014	1.31	2.36	15	1.7
2	52F 3020	S5034F 020	S5036F 020	1.62	2.89	10	2.9
2-1/2	52F 3024	S5034F 024	S5036F 024	1.74	3.54	5	5.5
3	52F 3030	S5034F 030	S5036F 030	1.87	4.21	2	11.2
4	52F 3040	-	-	2.37	5.30	1	20.7

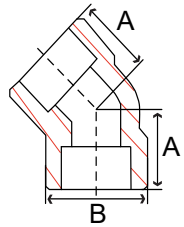

Fig. 52X 3, S5034T & S5036T – Cross

Size	Part Number			A	B	Master	Weight
in	Steel	304/304L	316/316L	in	in		lb
1/8	-	S5034X 001	S5036X 001	0.82	0.82	60	1.1
1/4	52X 3002	S5034X 002	S5036X 002	0.82	0.82	60	1.1
3/8	52X 3003	S5034X 003	S5036X 003	0.91	0.98	60	1.0
1/2	52X 3004	S5034X 004	S5036X 004	1.00	1.20	40	0.8
3/4	52X 3006	S5034X 006	S5036X 006	1.25	1.41	30	1.0
1	52X 3010	S5034X 010	S5036X 010	1.38	1.74	20	1.6
1-1/4	52X 3012	S5034X 012	S5036X 012	1.56	2.10	10	2.6
1-1/2	52X 3014	S5034X 014	S5036X 014	1.75	2.36	6	3.5
2	52X 3020	S5034X 020	S5036X 020	2.12	2.89	4	5.1
3	52X 3030	-	-	2.87	4.21	2	13.5
4	52X 3040	-	-	3.37	5.30	1	39.0

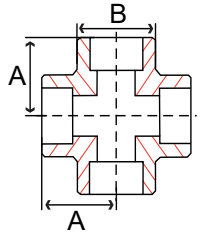

Fig. 52T 3, S5034T & S5036T – Tee

Size	Part Number			A	B	Master	Weight
in	Steel	304/304L	316/316L	in	in		lb
1/8	52T 3001	S5034T 001	S5036T 001	0.82	0.68	100	0.2
1/4	52T 3002	S5034T 002	S5036T 002	0.82	0.82	100	0.1
3/8	52T 3003	S5034T 003	S5036T 003	0.91	0.98	80	0.3
1/2	52T 3004	S5034T 004	S5036T 004	1.00	1.20	50	0.6
3/4	52T 3006	S5034T 006	S5036T 006	1.25	1.41	35	0.9
1	52T 3010	S5034T 010	S5036T 010	1.38	1.74	20	1.4
1-1/4	52T 3012	S5034T 012	S5036T 012	1.56	2.10	15	2.2
1-1/2	52T 3014	S5034T 014	S5036T 014	1.75	2.36	10	2.9
2	52T 3020	S5034T 020	S5036T 020	2.12	2.89	6	4.4
2-1/2	52T 3024	S5034T 024	S5036T 024	2.24	3.54	3	8.7
3	52T 3030	S5034T 030	S5036T 030	2.87	4.21	2	13.0
4	52T 3040	-	-	3.37	5.30	1	39.4

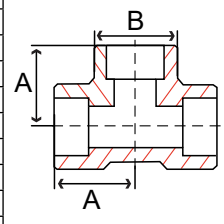

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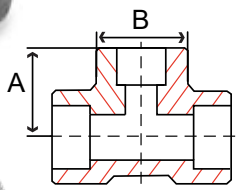
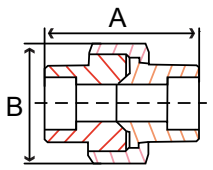
Fig. 52RT 3, S5034RT & S5036RT – Reducing Tee



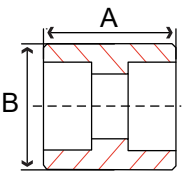
Size in	Part Number			A in	B in	Packing	Weight lb
	Steel	304/304L	316/316L				
1/2 X 1/4	52RT3004002	S5034RT004002	S5036RT004002	1.00	1.20	50	0.7
1/2 X 3/8	52RT3004003	S5034RT004003	S5036RT004003	1.00	1.20	50	0.7
3/4 X 3/8	52RT3006003	-	-	1.25	1.41	35	0.9
3/4 X 1/2	52RT3006004	S5034RT006004	S5036RT006004	1.25	1.41	35	0.9
1 X 1/4	52RT3010002	-	-	1.38	1.74	20	1.0
1 X 1/2	52RT3010004	S5034RT010004	S5036RT010004	1.38	1.74	20	1.0
1 X 3/4	52RT3010006	S5034RT010006	S5036RT010006	1.38	1.74	20	1.6
1 1/4 X 1/2	52RT3012004	-	-	1.56	2.10	15	2.6
1 1/4 X 3/4	52RT3012006	S5034RT012006	S5036RT012006	1.56	2.10	15	2.2
1 1/4 X 1	52RT3012010	S5034RT012010	S5036RT012010	1.56	2.10	15	2.2
1 1/2 X 1/2	52RT3014004	S5034RT014004	S5036RT014004	1.75	2.36	10	3.0
1 1/2 X 3/4	52RT3014006	S5034RT014006	S5036RT014006	1.75	2.36	10	3.0
1 1/2 X 1	52RT3014010	S5034RT014010	S5036RT014010	1.75	2.36	10	3.0
1 1/2 X 1 1/4	52RT3014012	S5034RT014012	S5036RT014012	1.75	2.36	10	3.0
2 X 1/2	52RT3020004	S5034RT020004	S5036RT020004	2.12	2.89	6	4.6
2 X 3/4	52RT3020006	S5034RT020006	S5036RT020006	2.12	2.89	6	4.6
2 X 1	52RT3020010	S5034RT020010	S5036RT020010	2.12	2.89	6	4.6
2 X 1 1/4	52RT3020012	S5034RT020012	S5036RT020012	2.12	2.89	6	4.6
2 X 1 1/2	52RT3020014	S5034RT020014	S5036RT020014	2.12	2.89	6	4.6
2 1/2 X 1 1/2	52RT3024014	-	-	2.24	3.54	3	8.6

Fig. 52U 3, S5034U & S5036U – Union



Size in	Part Number			A in	B in	Master	Weight lb
	Steel	304/304L	316/316L				
1/8	52U 3001	S5034U 001	S5036U 001	1.66	1.48	70	0.6
1/4	52U 3002	S5034U 002	S5036U 002	1.66	1.48	70	0.6
3/8	52U 3003	S5034U 003	S5036U 003	1.83	1.66	70	0.5
1/2	52U 3004	S5034U 004	S5036U 004	2.00	1.93	50	1.0
3/4	52U 3006	S5034U 006	S5036U 006	2.31	2.38	35	1.0
1	52U 3010	S5034U 010	S5036U 010	2.42	2.78	20	1.6
1-1/4	52U 3012	S5034U 012	S5036U 012	2.86	3.35	14	2.4
1-1/2	52U 3014	S5034U 014	S5036U 014	3.00	3.70	10	3.5
2	52U 3020	S5034U 020	S5036U 020	3.50	4.42	5	4.7
2-1/2	52U 3024	S5034U 024	S5036U 024	4.25	5.22	3	7.7
3	52U 3030	S5034U 030	S5036U 030	4.42	6.15	2	11.3

Fig. 52CP3, S5034CP & S5036CP – Coupling



Size in	Part Number			A in	B in	Master	Weight lb
	Steel	304/304L	316/316L				
1/8	52CP3001	S5034CP001	S5036CP001	1.01	0.97	350	0.1
1/4	52CP3002	S5034CP002	S5036CP002	1.01	0.87	350	0.1
3/8	52CP3003	S5034CP003	S5036CP003	1.01	1.03	250	0.1
1/2	52CP3004	S5034CP004	S5036CP004	1.14	1.27	120	0.2
3/4	52CP3006	S5034CP006	S5036CP006	1.38	1.50	80	0.3
1	52CP3010	S5034CP010	S5036CP010	1.50	1.80	50	0.6
1-1/4	52CP3012	S5034CP012	S5036CP012	1.50	2.23	30	0.9
1-1/2	52CP3014	S5034CP014	S5036CP014	1.50	2.55	25	1.3
2	52CP3020	S5034CP020	S5036CP020	2.00	2.96	15	1.8
2-1/2	52CP3024	S5034CP024	S5036CP024	2.00	3.64	10	3.0
3	52CP3030	S5034CP030	S5036CP030	2.00	4.27	6	3.9
4	52CP3040	S5034CP040	S5036CP040	2.25	5.40	4	6.2

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Fig. 52HC3, S5034HC & S5036HC – Half Coupling

Size in	Part Number			A in	B in	Master	Weight lb
	Steel	304/304L	316/316L				
1/8	-	S5034HC001	S5036HC001	1.00	0.68	400	0.2
1/4	-	S5034HC002	S5036HC002	1.00	0.86	400	0.4
3/8	-	S5034HC003	S5036HC003	1.06	1.01	300	0.6
1/2	52HC3004	S5034HC004	S5036HC004	1.26	1.27	150	0.2
3/4	52HC3006	S5034HC006	S5036HC006	1.44	1.50	80	0.4
1	52HC3010	S5034HC010	S5036HC010	1.62	1.80	50	0.6
1-1/4	52HC3012	S5034HC012	S5036HC012	1.69	2.23	30	0.7
1-1/2	52HC3014	S5034HC014	S5036HC014	1.75	2.55	25	1.4
2	52HC3020	S5034HC020	S5036HC020	2.24	2.96	15	2.4
2-1/2	52HC3024	S5034HC024	S5036HC024	2.31	3.64	10	3.5
3	52HC3030	S5034HC030	S5036HC030	2.37	4.27	6	4.6
4	52HC3040	S5034HC040	S5036HC040	2.63	5.40	4	8.1

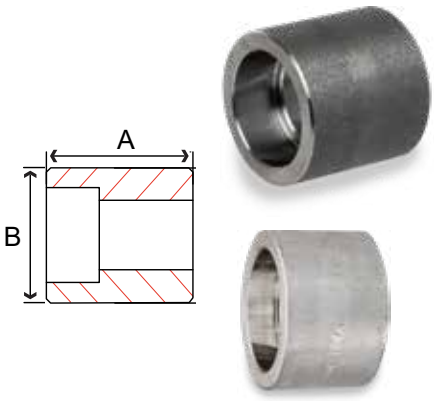
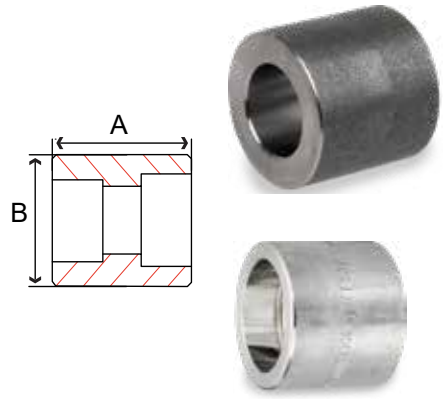


Fig. 52RC3, S5034RC & S5036RC – Reducing Coupling

Size in	Part Number			A in	B in	Master	Weight lb
	Steel	304/304L	316/316L				
1/4 x 1/8	-	S5034RC002001	S5036RC002001	0.88	0.87	350	0.1
3/8 x 1/8	-	S5034RC003001	S5036RC003001	0.88	1.03	250	0.1
3/8 x 1/4	-	S5034RC003002	S5036RC003002	0.88	1.03	250	0.1
1/2 X 1/8	-	S5034RC004001	S5036RC004001	1.14	1.27	120	0.2
1/2 x 1/4	52RC3004002	S5034RC004002	S5036RC004002	1.14	1.27	120	0.2
1/2 x 3/8	52RC3004003	S5034RC004003	S5036RC004003	1.14	1.27	120	0.2
3/4 x 1/8	52RC3006001	-	-	1.38	1.50	80	0.4
3/4 x 1/4	52RC3006002	S5034RC006002	S5036RC006002	1.38	1.50	80	0.4
3/4 x 3/8	52RC3006003	S5034RC006003	S5036RC006003	1.38	1.50	80	0.4
3/4 x 1/2	52RC3006004	S5034RC006004	S5036RC006004	1.38	1.50	80	0.4
1 x 1/4	52RC3010002	S5034RC010002	S5036RC010002	1.50	1.80	50	0.5
1 x 3/8	52RC3010003	S5034RC010003	S5036RC010003	1.50	1.80	50	0.5
1 x 1/2	52RC3010004	S5034RC010004	S5036RC010004	1.50	1.80	50	0.5
1 x 3/4	52RC3010006	S5034RC010006	S5036RC010006	1.50	1.80	50	0.5
1-1/4 x 1/2	52RC3012004	S5034RC012004	S5036RC012004	1.50	2.23	30	1.0
1-1/4 x 3/4	52RC3012006	S5034RC012006	S5036RC012006	1.50	2.23	30	1.1
1-1/4 x 1	52RC3012010	S5034RC012010	S5036RC012010	1.50	2.23	30	1.0
1-1/2 x 3/8	52RC3014003	S5034RC014003	S5036RC014003	1.50	2.55	25	2.0
1-1/2 x 1/2	52RC3014004	S5034RC014004	S5036RC014004	1.50	2.55	25	1.3
1-1/2 x 3/4	52RC3014006	S5034RC014006	S5036RC014006	1.50	2.55	25	1.3
1-1/2 x 1	52RC3014010	S5034RC014010	S5036RC014010	1.50	2.55	25	1.6
1-1/2 x 1-1/4	52RC3014012	S5034RC014012	S5036RC014012	1.50	2.55	25	1.3
2 x 1/2	52RC3020004	S5034RC020004	S5036RC020004	2.00	2.96	15	2.6
2 x 3/4	52RC3020006	S5034RC020006	S5036RC020006	2.00	2.96	15	2.3
2 x 1	52RC3020010	S5034RC020010	S5036RC020010	2.00	2.96	15	2.1
2 x 1-1/4	52RC3020012	S5034RC020012	S5036RC020012	2.00	2.96	15	2.1
2 x 1-1/2	52RC3020014	S5034RC020014	S5036RC020014	2.00	2.96	15	2.6
2-1/2 x 1/2	52RC3024004	-	-	2.00	3.64	10	4.2
2-1/2 x 3/4	52RC3024006	-	-	2.00	3.64	10	3.5
2-1/2 x 1	52RC3024010	-	-	2.00	3.64	10	3.1
2-1/2 x 1-1/4	52RC3024012	-	-	2.00	3.64	10	3.1
2-1/2 x 1-1/2	52RC3024014	-	-	2.00	3.64	10	3.1
2-1/2 x 2	52RC3024020	S5034RC024020	S5036RC024020	2.00	3.64	10	3.1
3 x 1	52RC3030010	-	-	2.00	4.27	6	4.1
3 x 1-1/4	52RC3030012	-	-	2.00	4.27	6	4.4
3 x 1-1/2	52RC3030014	S5034RC030014	S5036RC030014	2.00	4.27	6	4.1
3 x 2	52RC3030020	S5034RC030020	S5036RC030020	2.00	4.27	6	4.1
3 x 2-1/2	52RC3030024	-	-	2.00	4.27	6	4.1
4 x 1-1/2	52RC3040014	-	-	2.25	5.40	4	6.0
4 x 2	52RC3040020	-	-	2.25	5.40	4	5.9
4 x 2-1/2	52RC3040024	-	-	2.25	5.40	4	5.8
4 x 3	52RC3040030	-	-	2.25	5.40	4	5.7



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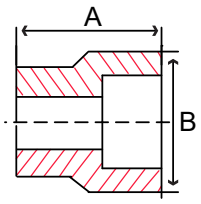
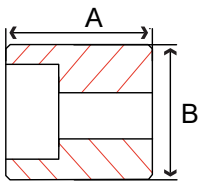


Type 1



Type 2

Fig. 52IN3, S5034IN & S5036IN – Insert Fitting

Size in	Part Number			A in	B in	Type	Master	Weight lb
	Steel	304/304L	316/316L					
1/4 x 1/8	-	S5034IN002001	S5036IN002001	1.26	0.87	1	300	.04
3/8 x 1/4	-	S5034IN003002	S5036IN003002	1.18	0.88	1	300	.11
1/2 x 1/4	52IN3004002	S5034IN004002	S5036IN004002	1.28	0.88	1	150	0.2
1/2 x 3/8	52IN3004003	S5034IN004003	S5036IN004003	1.28	1.02	1	150	0.2
3/4 x 1/4	52IN3006002	S5034IN006002	S5036IN006002	1.15	1.06	1	100	0.3
3/4 x 3/8	52IN3006003	S5034IN006003	S5036IN006003	1.15	1.06	2	100	0.3
3/4 x 1/2	52IN3006004	S5034IN006004	S5036IN006004	1.39	1.26	2	100	0.3
1 x 1/4	52IN3010002	S5034IN010002	S5036IN010002	1.19	1.34	2	80	0.5
1 x 3/8	52IN3010003	S5034IN010003	S5036IN010003	1.19	1.34	2	80	0.5
1 x 1/2	52IN3010004	S5034IN010004	S5036IN010004	1.19	1.34	2	80	0.3
1 x 3/4	52IN3010006	S5034IN010006	S5036IN010006	1.55	1.50	1	80	0.5
1-1/4 x 1/2	52IN3012004	S5034IN012004	S5036IN012004	1.30	1.65	2	70	0.9
1-1/4 x 3/4	52IN3012006	S5034IN012006	S5036IN012006	1.30	1.65	2	70	0.9
1-1/4 x 1	52IN3012010	S5034IN012010	S5036IN012010	1.62	1.81	1	70	0.9
1-1/2 x 3/8	52IN3014003	S5034IN014003	S5036IN014003	1.35	1.89	2	50	1.2
1-1/2 x 1/2	52IN3014004	S5034IN014004	S5036IN014004	1.35	1.89	2	50	0.9
1-1/2 x 3/4	52IN3014006	S5034IN014006	S5036IN014006	1.35	1.89	2	50	1.2
1-1/2 x 1	52IN3014010	S5034IN014010	S5036IN014010	1.35	1.89	2	50	0.6
1-1/2 x 1-1/4	52IN3014012	S5034IN014012	S5036IN014012	1.82	2.25	1	50	1.2
2 x 3/8	-	S5034IN020003	S5036IN020003	1.53	2.36	2	25	1.9
2 x 1/2	52IN3020004	S5034IN020004	S5036IN020004	1.53	2.36	2	25	1.9
2 x 3/4	52IN3020006	S5034IN020006	S5036IN020006	1.53	2.36	2	25	1.9
2 x 1	52IN3020010	S5034IN020010	S5036IN020010	1.53	2.36	2	25	1.9
2 x 1-1/4	52IN3020012	S5034IN020012	S5036IN020012	1.53	2.36	2	25	1.9
2 x 1-1/2	52IN3020014	S5034IN020014	S5036IN020014	2.00	2.50	1	25	1.9
2-1/2 x 1/2	52IN3024004	S5034IN024004	S5036IN024004	2.15	2.87	2	12	2.6
2-1/2 x 3/4	52IN3024006	S5034IN024006	S5036IN024006	2.15	2.87	2	12	2.6
2-1/2 x 1	52IN3024010	S5034IN024010	S5036IN024010	2.15	2.87	2	12	2.6
2-1/2 x 1-1/4	52IN3024012	S5034IN024012	S5036IN024012	2.15	2.87	2	12	2.6
2-1/2 x 1-1/2	52IN3024014	S5034IN024014	S5036IN024014	2.15	2.87	2	12	2.6
2-1/2 x 2	52IN3024020	S5034IN024020	S5036IN024020	2.73	2.96	1	12	2.6
3 x 1	52IN3030010	S5034IN030010	S5036IN030010	1.92	3.50	2	10	3.9
3 x 1-1/4	52IN3030012	S5034IN030012	S5036IN030012	1.92	3.50	2	10	3.9
3 x 1-1/2	52IN3030014	S5034IN030014	S5036IN030014	1.92	3.50	2	10	4.1
3 x 2	52IN3030020	S5034IN030020	S5036IN030020	1.92	3.50	2	10	4.1
3 x 2-1/2	-	S5034IN030024	S5036IN030024	2.42	3.62	2	10	3.9
4 x 2-1/2	52IN3040024	-	-	2.42	4.50	2	4	5.8

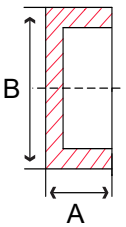


Fig. 52C 3, S5034C & S5036C – Cap

Size in	Part Number			A in	B in	Master	Weight lb
	Steel	304/304L	316/316L				
1/8	-	S5034C 001	S5036C 001	0.56	0.70	300	0.08
1/4	52C 3002	S5034C 002	S5036C 002	0.71	0.87	300	0.1
3/8	52C 3003	S5034C 003	S5036C 003	0.77	1.03	250	0.1
1/2	52C 3004	S5034C 004	S5036C 004	0.90	1.27	130	0.2
3/4	52C 3006	S5034C 006	S5036C 006	1.02	1.50	80	0.3
1	52C 3010	S5034C 010	S5036C 010	1.07	1.80	50	0.5
1-1/4	52C 3012	S5034C 012	S5036C 012	1.22	2.23	30	0.9
1-1/2	52C 3014	S5034C 014	S5036C 014	1.29	2.55	25	1.3
2	52C 3020	S5034C 020	S5036C 020	1.53	2.96	15	2.1
2-1/2	52C 3024	S5034C 024	S5036C 024	1.65	3.64	10	3.1
3	52C 3030	S5034C 030	S5036C 030	1.77	4.27	5	6.0
4	52C 3040	S5034C 040	S5036C 040	1.91	5.40	3	9.3

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Fig. 42E 6 – 90° Elbow

Size in	Part Number	A in	B in	Master	Weight lb
1/2	42E 6004	1.50	1.81	25	1.7
3/4	42E 6006	1.75	2.19	20	2.8
1	42E 6010	2.00	2.44	12	3.5
1-1/4	42E 6012	2.38	2.97	5	6.4
1-1/2	42E 6014	2.50	3.31	4	8.3
2	42E 6020	3.25	4.00	2	16.1
3	42E 6030	4.13	5.69	-	36.2

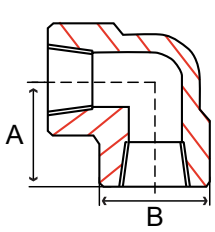

Fig. 42F 6 – 45° Elbow

Size in	Part Number	A in	B in	Master	Weight lb
1/2	42F 6004	1.12	1.81	25	1.3
3/4	42F 6006	1..31	2.19	20	2.3
1	42F 6010	1.38	2.44	12	2.7
1-1/4	42F 6012	1.69	2.97	5	4.9
1-1/2	42F 6014	1.72	3.31	4	5.5
2	42F 6020	2.06	4.00	2	9.6
2-1/2	42F 6024	2.50	4.72	-	15.4

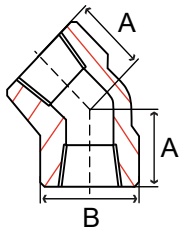

Fig. 42T 6 – Tee

Size in	Part Number	A in	B in	Master	Weight lb
1/2	42T 6004	1.50	1.81	20	2.1
3/4	42T 6006	1.75	2.19	12	3.6
1	42T 6010	2.00	2.44	10	4.7
1-1/4	42T 6012	2.38	2.97	2	7.6
1-1/2	42T 6014	2.50	3.31	2	10.3
2	42T 6020	3.25	4.00	2	17.3
2-1/2	42T 6024	3.71	4.72	1	28.8
3	42T 6030	4.13	5.70	1	49.5

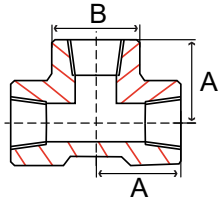

Fig. 42X 6 – Cross

Size in	Part Number	A in	B in	Master	Weight lb
1/2	42X 6004	1.50	1.81	20	2.2
3/4	42X 6006	1.75	2.19	12	3.6
1	42X 6010	2.00	2.44	6	3.8
1-1/4	42X 6012	2.38	2.97	4	8.8
2	42X 6020	3.25	4.00	1	19.8

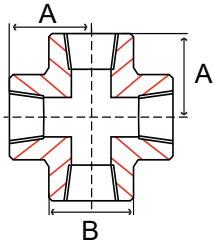

Fig. 42U 6 – Union

Size in	Part Number	A in	B in	Master	Weight lb
1-1/2	42U 6014	3.50	4.42	6	4.89
2	42U 6020	4.12	5.23	2	8.37

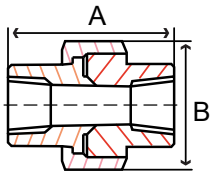

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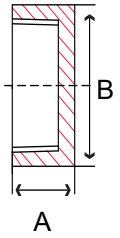
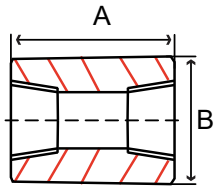
Fig. 42C 6 – Cap



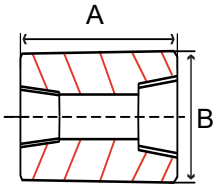
Size in	Part Number	A in	B in	Master	Weight lb
1/4	42C 6002	1.06	1.00	200	0.13
3/8	42C 6003	1.06	1.25	150	0.19
1/2	42C 6004	1.31	1.50	80	0.57
3/4	42C 6006	1.50	1.75	50	0.88
1	42C 6010	1.69	2.25	35	1.56
1-1/4	42C 6012	1.81	2.50	20	1.30
1-1/2	42C 6014	1.88	3.00	15	1.69
2	42C 6020	2.00	3.62	8	4.91

Fig. 42CP6 – Coupling



Size in	Part Number	A in	B in	Master	Weight lb
1/4	42CP6002	1.38	1.00	200	0.28
3/8	42CP6003	1.50	1.25	100	0.28
1/2	42CP6004	1.88	1.50	80	0.74
3/4	42CP6006	2.00	1.75	35	1.10
1	42CP6010	2.38	2.25	20	1.91
1-1/4	42CP6012	2.62	2.50	15	2.40
1-1/2	42CP6014	3.12	3.00	10	4.27
2	42CP6020	3.38	3.62	5	6.32

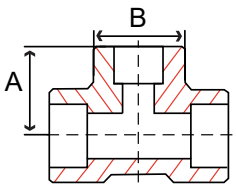
Fig. 42RC6 – Reducing Coupling



Size in	Part Number	A in	B in	Master	Weight lb
1-1/2 x 1/2	42RC6014004	3.12	3.00	10	2.64
1-1/2 x 3/4	42RC6014006	3.12	3.00	10	4.12
1-1/2 x 1	42RC6014010	3.12	3.00	10	2.18
2 x 1/2	42RC6020004	3.38	3.62	5	9.25
2 x 1	42RC6020010	3.38	3.62	5	7.49
2 x 1-1/2	42RC6020014	3.38	3.62	5	7.49

Forged Carbon Steel - 6000# Socket Weld

Fig. 52RT 6 – Reducing Tee



Size in	Part Number			A in	B in	Packing	Weight lb
	Steel	304/304L	316/316L				
1/2 X 3/8	52RT6004003	-	-	1.50	1.81	35	1.3
3/4 X 1/2	52RT6006004	-	-	1.75	2.19	20	2.0
1 X 1/2	52RT6010004	-	-	2.00	2.44	15	4.8
1 X 3/4	52RT6010006	-	-	2.00	2.44	15	3.5
1 1/2 X 1/2	52RT6014004	-	-	2.50	3.31	5	7.2
1 1/2 X 1 1/4	52RT6014012	-	-	2.50	3.31	5	9.7
2 X 3/4	52RT6020006	-	-	3.25	4.00	4	9.7
2 X 1 1/4	52RT6020012	-	-	3.25	4.00	4	3.7
2 X 1 1/2	52RT6020014	-	-	3.25	4.00	4	7.2

6000#

Fig. 52E 6 – 90° Elbow

Size in	Part Number	A in	B in	Master	Weight lb
1/2	52E 6004	1.13	1.33	50	0.8
3/4	52E 6006	1.38	1.62	25	1.6
1	52E 6010	1.56	1.96	20	2.5
1-1/4	52E 6012	1.75	2.31	15	3.2
1-1/2	52E 6014	2.00	2.62	6	6.1
2	52E 6020	2.24	3.27	5	7.2

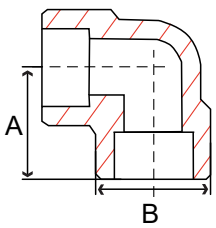


Fig. 52F 6 – 45° Elbow

Size in	Part Number	A in	B in	Master	Weight lb
1/2	52F 6004	0.88	1.33	50	0.7
3/4	52F 6006	1.06	1.62	30	1.2
1	52F 6010	1.19	1.96	20	2.0
1-1/4	52F 6012	1.31	2.31	15	2.4
1-1/2	52F 6014	1.50	2.62	8	4.4
2	52F 6020	1.74	3.27	6	4.6

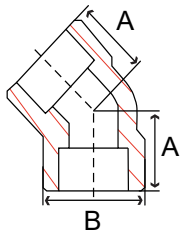


Fig. 52T 6 – Tee

Size in	Part Number	A in	B in	Master	Weight lb
1/2	52T 6004	1.13	1.33	35	1.2
3/4	52T 6006	1.38	1.62	20	2.0
1	52T 6010	1.56	1.96	15	4.7
1-1/4	52T 6012	1.75	2.31	10	4.2
1-1/2	52T 6014	2.00	2.62	5	7.4
2	52T 6020	2.24	3.27	4	8.7

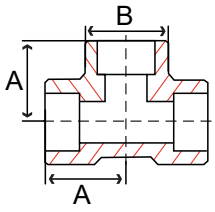


Fig. 52X 6 – Cross

Size in	Part Number	A in	B in	Master	Weight lb
1/2	52X 6004	1.13	1.33	30	1.6
3/4	52X 6006	1.38	1.62	20	2.3
1	52X 6010	1.56	1.96	12	3.9
1-1/2	52X 6014	2.00	2.62	4	8.3
2	52X 6020	2.24	3.27	2	15.8

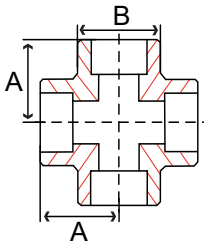


Fig. 52C 6 – Cap

Size in	Part Number	A in	B in	Master	Weight lb
1/2	52C 6004	0.81	1.33	80	0.3
3/4	52C 6006	0.81	1.62	50	0.5
1	52C 6010	0.94	1.96	35	0.7
1-1/4	52C 6012	0.94	2.31	25	1.4
1-1/2	52C 6014	1.00	2.62	15	2.0
2	52C 6020	1.19	3.27	8	3.6

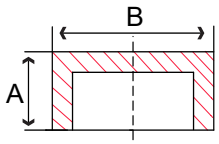


Fig. 52U 6 – Union

Size in	Part Number	A in	B in	Master	Weight lb
1/2	52U 6004	2.25	2.38	30	1.0
3/4	52U 6006	2.44	2.75	20	1.0
1	52U 6010	2.88	3.25	10	1.5
1-1/4	52U 6012	3.00	3.50	8	6.5
1-1/2	52U 6014	3.38	4.25	6	4.8
2	52U 6020	4.06	5.12	2	4.8

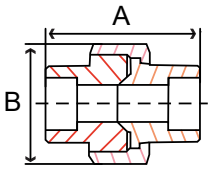
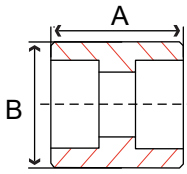


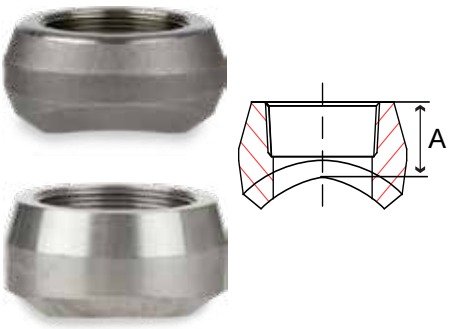
Fig. 52CP6 – Coupling

Size in	Part Number	A in	B in	Master	Weight lb
1/2	52CP6004	1.14	1.33	30	0.5
3/4	52CP6006	1.38	1.62	20	0.5
1	52CP6010	1.50	1.96	10	0.9
1-1/4	52CP6012	1.50	2.31	8	1.3
1-1/2	52CP6014	1.50	2.62	6	2.4
2	52CP6020	2.00	3.27	2	3.5



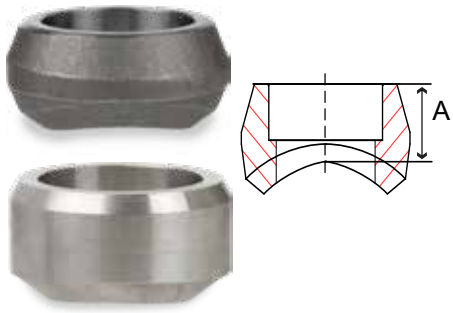
3000#

Fig. 43TO3, S4534TO & S4536TO – Threaded Outlet



Size in	Part Number			A in	Master	Weight lb
	Steel	304 / 304L	316 / 316L			
1/4 x 3/8 thru 36	43TO3002003360	S4534TO002	S4536TO002	0.75	200	.02
3/8 x 1/2 thru 36	-	S4534TO003	S4536TO003	0.75	150	.02
1/2 x 3/4 thru 36	43TO3004006360	S4534TO004	S4536TO004	1.00	150	0.2
3/4 x 1 thru 1-1/4	43TO3006010012	-	-	1.06	100	0.2
3/4 x 1-1/2 thru 36	43TO3006014360	S4534TO006	S4536TO006	1.06	100	0.2
1 x 1-1/4 thru 2-1/2	43TO3010012024	-	-	1.31	50	0.5
1 x 3 thru 36	43TO3010030360	S4534TO010	S4536TO010	1.31	50	0.5
1-1/4 x 1-1/2	43TO3012010004	-	-	1.31	40	0.8
1-1/4 x 2 thru 3-1/2	43TO3012020034	-	-	1.31	40	0.8
1-1/4 x 4 thru 36	43TO3012040360	S4534TO012	S4536TO012	1.31	40	0.8
1-1/2 x 2 thru 2-1/2	43TO3014020024	-	-	1.38	25	1.0
1-1/2 x 3 thru 5	43TO3014030050	-	-	1.38	25	1.0
1-1/2 x 6 thru 36	43TO3014060360	S4534TO014	S4536TO014	1.38	25	1.0
2 x 2-1/2 thru 3-1/2	43TO3020024034	-	-	1.50	10	1.7
2 x 4 thru 6	43TO3020040060	-	-	1.50	15	1.7
2 x 8 thru 36	43TO3020080360	S4534TO020	S4536TO020	1.50	15	1.7
2-1/2 x 3 thru 3-1/2	43TO3024030034	-	-	1.81	10	2.5
2-1/2 x 4 thru 5	43TO3024040050	-	-	1.81	10	2.5
2-1/2 x 6 thru 8	43TO3024060080	-	-	1.81	10	2.5
2-1/2 x 10 thru 36	43TO3024100360	S4534TO024	S4536TO024	1.81	10	2.5
3 x 3-1/2 thru 4	43TO3030034040	-	-	2.00	6	4.0
3 x 5 thru 6	43TO3030050060	-	-	2.00	6	4.0
3 x 8 thru 14	43TO3030080140	-	-	2.00	6	4.0
3 x 16 thru 36	43TO3030160360	S4534TO030	S4536TO030	2.00	6	4.0
4 x 5 thru 6	43TO3040050060	-	-	2.25	3	6.3
4 x 8 thru 10	43TO3040080100	-	-	2.25	3	6.3
4 x 12 thru 20	43TO3040120200	-	-	2.25	3	6.3
4 x 22 thru 36	43TO3040220360	-	-	2.25	3	6.3

Fig. 43SO3, S4534SO & S4536SO – Socket Weld Outlet



Size in	Part Number			A in	Master	Weight lb
	Steel	304 / L	316 / L			
1/4 x 3/8 thru 36	-	S4534SO002	S4536SO002	0.81	200	0.1
3/8 x 1/2 thru 36	-	S4534SO003	S4536SO003	1.00	150	0.2
1/2 x 3/4 thru 36	43SO3004006360	S4534SO004	S4536SO004	1.01	150	0.2
3/4 x 1 thru 1-1/4	43SO3006010012	-	-	1.13	100	0.2
3/4 x 1-1/2 thru 36	43SO3006014360	S4534SO006	S4536SO006	1.13	100	0.2
1 x 1-1/4 thru 2-1/2	43SO3010012024	-	-	1.38	50	0.5
1 x 3 thru 36	43SO3010030360	S4534SO010	S4536SO010	1.38	50	0.5
1-1/4 x 1-1/2	43SO3012010004	-	-	1.38	40	0.8
1-1/4 x 2 thru 3-1/2	43SO3012020034	-	-	1.38	40	0.8
1-1/4 x 4 thru 36	43SO3012040360	S4534SO012	S4536SO012	1.38	40	0.8
1-1/2 x 2 thru 2-1/2	43SO3014020024	-	-	1.44	25	1.0
1-1/2 x 3 thru 5	43SO3014030050	-	-	1.44	25	1.0
1-1/2 x 6 thru 36	43SO3014060360	S4534SO014	S4536SO014	1.44	25	1.0
2 x 2-1/2 thru 3-1/2	43SO3020024034	-	-	1.56	10	1.7
2 x 4 thru 6	43SO3020040060	-	-	1.56	15	1.7
2 x 8 thru 36	43SO3020080360	S4534SO020	S4536SO020	1.56	15	1.7
2-1/2 x 3 thru 3-1/2	43SO3024030034	-	-	1.62	10	2.5
2-1/2 x 4 thru 5	43SO3024040050	-	-	1.62	10	2.5
2-1/2 x 6 thru 8	43SO3024060080	-	-	1.62	10	2.5
2-1/2 x 10 thru 36	43SO3024100360	S4534SO024	S4536SO024	1.62	10	2.5
3 x 3-1/2 thru 4	43SO3030034040	-	-	1.81	6	4.0
3 x 5 thru 6	43SO3030050060	-	-	1.81	6	4.0
3 x 8 thru 14	43SO3030080140	-	-	1.81	6	4.0
3 x 16 thru 36	43SO3030160360	S4534SO030	S4536SO030	1.81	6	4.0
4 x 5 thru 6	43SO3040050060	-	-	1.94	1	6.3
4 x 8 thru 10	43SO3040080100	-	-	1.94	1	6.3
4 x 12 thru 20	43SO3040120200	-	-	1.94	1	6.3
4 x 22 thru 36	43SO3040220360	-	-	1.94	1	6.3

3000#

Fig. S4534WO4 & S4536WO4 3000# Butt Weld Outlet Sch 40 Bore

Size in	Part Number 304 / 304L	Part Number 316 / 316L	A in	Master	Weight lb
1/4 x 3/8 thru 36	S4534WO4002	S4536WO4002	0.62	200	0.8
3/8 x 1/2 thru 36	S4534WO4003	S4536WO4003	0.75	150	0.1
1/2 x 3/4 thru 36	S4534WO4004	S4536WO4004	0.75	150	0.1
3/4 x 1 thru 36	S4534WO4006	S4536WO4006	0.88	100	0.2
1 x 2 thru 36	S4534WO4010	S4536WO4010	1.06	50	0.5
1-1/4 x 3 1/2 thru 36	S4534WO4012	S4536WO4012	1.25	40	0.8
1-1/2 x 5 thru 36	S4534WO4014	S4536WO4014	1.31	25	1.0
2 x 8 thru 36	S4534WO4020	S4536WO4020	1.50	15	1.7
2-1/2 x 10 thru 36	S4534WO4024	S4536WO4024	1.62	10	2.5
3 x 8 thru 36	S4534WO4030	S4536WO4030	1.75	6	3.8

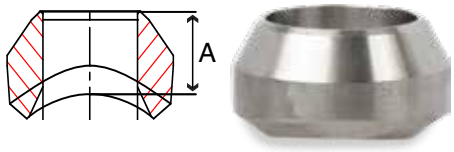
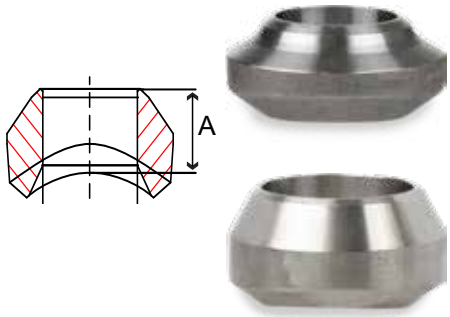


Fig. 43WO3, S4534WO8 & S4636WO8 3000# Butt Weld Outlet Sch 80 Bore

Size in	Part Number Steel	Part Number 304 / 304L	Part Number 316 / 316L	A in	Master	Weight lb
1/4 x 3/8 thru 36	-	S4534WO8002	S4536WO8002	0.62	200	0.8
3/8 x 1/2 thru 36	-	S4534WO8003	S4536WO8003	0.75	150	0.1
1/2 x 1	43WO3004010	-	-	0.75	150	0.3
1/2 x 1-1/4 thru 36	43WO3004012360	S4534WO8004	S4536WO8004	0.75	150	0.3
3/4 x 1 thru 2	43WO3006010020	-	-	0.88	100	0.3
3/4 x 2-1/2 thru 36	43WO3006024360	S4534WO8006	S4536WO8006	0.88	100	0.3
1 x 1-1/4 thru 1-1/2	43WO3010012014	-	-	1.06	50	0.6
1 x 2 thru 36	43WO3010020360	S4534WO8010	S4536WO8010	1.06	50	0.6
1-1/4 x 1-1/2 thru 2	43WO3012014020	-	-	1.25	40	0.9
1-1/4 x 2-1/2 thru 6	43WO3012024060	-	-	1.25	40	0.9
1-1/4 x 8 thru 36	43WO3012080360	S4534WO8012	S4536WO8012	1.25	40	0.9
1-1/2 x 2 thru 3-1/2	43WO3014020034	-	-	1.31	25	1.4
1-1/2 x 4 thru 36	43WO3014040360	S4534WO8014	S4536WO8014	1.31	25	1.4
2 x 2-1/2 thru 3	43WO3020024030	-	-	1.50	15	2.3
2 x 3-1/2 thru 6	43WO3020034060	-	-	1.50	15	2.3
2 x 8 thru 36	43WO3020080360	S4534WO8020	S4536WO8020	1.50	15	2.3
2-1/2 x 5 thru 10	43WO3024050100	-	-	1.62	10	2.9
2-1/2 x 12 thru 36	43WO3024120360	S4534WO8024	S4536WO8024	1.62	10	2.3
3 x 5 thru 6	43WO3030050060	-	-	1.75	6	4.3
3 x 8 thru 14	43WO3030080140	-	-	1.75	6	4.3
3 x 16 thru 36	43WO3030160360	S4534WO8030	S4536WO8030	1.75	6	4.3
4 x 8 thru 10	43WO3040080100	-	-	2.00	3	7.1
4 x 12 thru 20	43WO3040120200	-	-	2.00	3	7.1
4 x 22 thru 36	43WO3040220360	-	-	2.00	3	7.1



SCI ProPak™ System

Swage Nipples & Bull Plugs

Swage Nipples & Bull Plugs

Swage Nipple Specifications

- SCI branded
- Conforms to MSS SP-95
- NPT threads on nipples conform to ASME B1.20.1
- Manufacturing facility is ISO 9001:2008 and ISO 14001
- Material conforms to ASTM A234 or ASME SA106
- Schedule 40 nipples have blue caps
- Schedule 80 nipples have green caps
- All Swage nipples are zinc electroplated
- ProPak™ Packaging

SCI ProPak™ System

Fig. 44SN4 Schedule 40 Swage Nipple

Size in	Part Number Thread X Thread	Part Number Thread X Groove	Part Number Groove X Thread	Part Number Groove X Groove	A in	Master	Weight lb
2 x 1	44SN4020010	-	44SNGT4020010	-	6.5	12	1.9
2 x 1-1/4	44SN4020012	-	44SNGT4020012	-	6.5	12	2.3
2 x 1-1/2	44SN4020014	-	44SNGT4020014	-	6.5	12	2.9
2-1/2 x 1	44SN4024010	-	-	-	7.0	6	3.4
2-1/2 x 1-1/2	44SN4024014	-	-	-	7.0	6	3.4
2-1/2 x 2	44SN4024020	44SNTG4024020	44SNGT4024020	-	7.0	6	3.4
3 x 1	-	-	44SNGT4030010	-		4	4.7
3 x 1-1/2	-	-	44SNGT4030014	-		4	4.6
3 x 2	44SN4030020	44SNTG4030020	44SNGT4030020	44SNGG4030020	8.0	4	4.5
3 x 2-1/2	44SN4030024	44SNTG4030024	44SNGT4030024	-	8.0	4	4.9
4 x 2	44SN4040020	44SNTG4040020	44SNGT4040020	44SNGG4040020	9.0	3	6.6
4 x 2-1/2	44SN4040024	-	-	-	9.0	3	6.9
4 x 3	44SN4040030	44SNTG4040030	44SNGT4040030	44SNGG4040030	9.0	3	7.8
5 x 4	44SN4050040	-	-	-	11.0	3	15.0
6 x 3	44SN4060030	-	-	-	12.0	-	19.1
6 x 4	44SN4060040	-	44SNGT4060040	44SNGG4060040	12.0	-	18.3
8 x 4	44SN4080040	-	-	-	13.0	-	28.4
8 x 6	44SN4080060	-	-	-	13.0	-	31.6

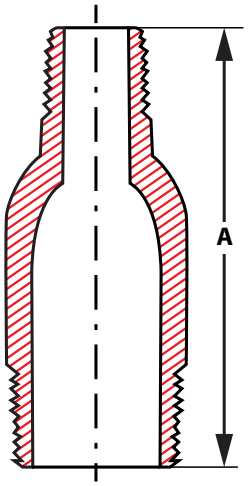


Fig. 44SN8 Schedule 80 Swage Nipple

Size in	Part Number Thread X Thread	Part Number Thread X Groove	Part Number Groove X Thread	Part Number Groove X Groove	A in	Packing Inner / Master	Weight lb
1/2 x 1/4	44SN8004002	-	-	-	6.5	15 / 120	0.20
1/2 x 3/8	44SN8004003	-	-	-	6.5	15 / 120	0.22
3/4 x 1/2	44SN8006004	-	-	-	6.5	8 / 64	0.38
1 x 1/4	44SN8010002	-	-	-	7.0	5 / 40	0.46
1 x 1/2	44SN8010004	-	-	-	7.0	5 / 40	0.49
1 x 3/4	44SN8010006	-	-	-	7.0	5 / 40	0.55
2 x 1/2	44SN8020004	-	-	-		12	2.9
2 x 3/4	44SN8020006	-	-	-		12	2.5
2 x 1	44SN8020010	-	44SNGT8020010	-	8.0	12	2.3
2 x 1-1/4	44SN8020012	-	44SNGT8020012	-	8.0	12	2.2
2 x 1-1/2	44SN8020014	-	44SNGT8020014	-	9.0	12	2.0
2-1/2 x 2	44SN8024020	44SNTG8024020	44SNGT8024020	-	9.0	6	3.5
3 x 1	44SN8030010	-	44SNGT8030010	-	9.0	4	6.3
3 x 1-1/2	-	-	44SNGT8030014	-	11.0	4	6.2
3 x 2	44SN8030020	44SNTG8030020	44SNGT8030020	44SNGG8030020	12.0	4	6.0
3 x 2-1/2	44SN8030024	-	44SNGT8030024	44SNGG8030024	12.0	4	5.6
4 x 1	44SN8040010	-	44SNGT8040010	-	13.0	3	9.5
4 x 2	44SN8040020	44SNTG8040020	44SNGT8040020	44SNGG8040020	13.0	3	9.3
4 x 3	44SN8040030	44SNTG8040030	44SNGT8040030	44SNGG8040030		3	10.3
5 x 4	44SN8050040	-	-	-		3	17.3
6 x 3	44SN8060030	-	-	-		-	20.1
6 x 4	44SN8060040	-	-	-		-	18.3
6 x 5	44SN8060050	-	-	-		-	25.0
8 x 6	44SN8080060	-	-	-		-	37.0

Fig. 44BP4 Schedule 40 Bull Plug

Size in	Part Number	A in	Master	Weight lb
2”	44BP4020	4.0	18	2.3
2-1/2”	44BP4024	5.0	12	3.5
3”	44BP4030	6.0	4	5.9
4”	44BP4040	7.00	3	7.9

Fig. 44BP8 Schedule 80 Bull Plug

Size in	Part Number	A in	Master	Weight lb
2”	44BP8020	4.0	18	2.7
2-1/2”	44BP8024	5.0	12	3.8
3”	44BP8030	6.0	4	6.8
4”	44BP8040	7.0	3	9.7

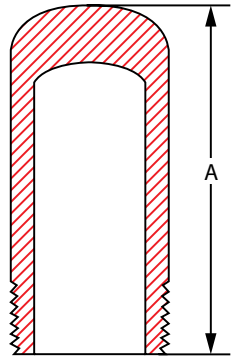
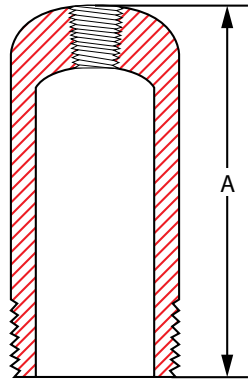


Fig. 44BPT4 Schedule 40 Bull Plug w/ Tap

Size in	Part Number	A in	Master	Weight lb
2” x 1/4” Tap	44BPT4020002	4.0	18	2.2
2” x 1/2” Tap	44BPT4020004	5.0	18	2.2
3” x 1/2” Tap	44BPT4030004	6.0	4	5.8
4” x 1/2” Tap	44BPT4040004	7.0	3	7.8

Fig. 44BPT8 Schedule 80 Bull Plug w/ Tap

Size in	Part Number	A in	Master	Weight lb
2” x 1/4” Tap	44BPT8020002	4.0	18	2.6
2” x 1/2” Tap	44BPT8020004	5.0	18	2.6
3” x 1/2” Tap	44BPT8030004	6.0	4	6.7
4” x 1/2” Tap	44BPT8040004	7.0	3	9.5



Bronze Fittings Class 125
Bronze Flanges Class 150

Bronze Fittings Class 125
Bronze Flanges Class 150

Bronze Fitting Specifications

- SCI branded bronze fittings are UL Listed
- Canadian Registration Numbers available at www.smithcooper.com
- Bronze fittings conform to AWWA C800
- Bronze castings conform to ASTM B62, UNS Alloy C83600
- Bronze fitting dimensions conform to ASME B16.15
- Thread protectors on all male threads
- NPT threads on all fittings conform to ASME B1.20.1
- Bronze unions conform to specification A-A-59617
- Manufacturing facilities are ISO 9001:2008
- SCI trademarked fittings and are 100% air tested
- ProPak™ Packaging

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Bronze Flange Specifications

- Bronze castings conform to ASTM B62, UNS Alloy C83600
- Bronze flange dimensions conform to ASME B16.24
- NPT threads on all flanges conform to ASME B1.20.1
- Manufacturing facilities are ISO 9001:2008
- Flange dimensional data on page 196

SCI ProPak™ System

Note: Product contains brass which does not meet federal and state requirements for drinking water.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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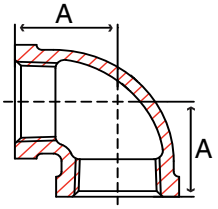
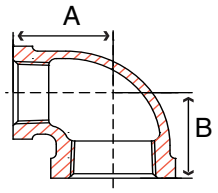
Fig. 36E 1 – 90° Elbow



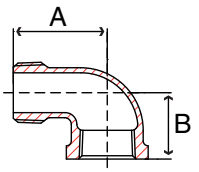
Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/8	36E 1001C	0.54	50	800	0.1
1/4	36E 1002C	0.71	35	560	0.1
3/8	36E 1003C	0.82	45	360	0.1
1/2	36E 1004C	1.01	50	200	0.2
3/4	36E 1006C	1.18	35	140	0.3
1	36E 1010C	1.43	20	80	0.6
1-1/4	36E 1012C	1.69	20	40	0.9
1-1/2	36E 1014C	1.84	15	30	1.2
2	36E 1020C	2.12	8	16	2.0
2-1/2	36E 1024C	2.70	6	12	3.8
3	36E 1030C	3.08	-	7	4.7
4	36E 1040C	3.79	-	3	9.7

Fig. 36RE1 – 90° Reducing Elbow



Size in	Part Number	A in	B in	Packing		Weight lb
				Inner	Master	
3/8 x 1/4	36RE1003002C	0.78	0.75	60	480	0.1
1/2 x 1/4	36RE1004002C	0.98	0.97	50	400	0.2
1/2 x 3/8	36RE1004003C	0.93	0.90	50	200	0.2
3/4 x 1/4	36RE1006002C	1.08	1.05	40	160	0.2
3/4 x 3/8	36RE1006003C	1.13	1.12	40	160	0.3
3/4 x 1/2	36RE1006004C	1.11	1.08	50	200	0.4
1 x 1/2	36RE1010004C	1.24	1.20	25	100	0.5
1 x 3/4	36RE1010006C	1.31	1.30	30	120	0.5
1-1/4 x 1/2	36RE1012004C	1.53	1.34	20	80	0.6
1-1/4 x 3/4	36RE1012006C	1.48	1.39	15	60	0.7
1-1/4 x 1	36RE1012010C	1.60	1.52	10	40	0.7
1-1/2 x 1/2	36RE1014004C	1.62	1.38	15	60	0.7
1-1/2 x 3/4	36RE1014006C	1.72	1.52	15	60	0.8
1-1/2 x 1	36RE1014010C	1.72	1.55	10	40	1.0
1-1/2 x 1-1/4	36RE1014012C	1.81	1.72	8	32	1.0
2 x 1/2	36RE1020004C	1.90	1.56	10	40	1.1
2 x 3/4	36RE1020006C	1.90	1.68	10	40	1.1
2 x 1	36RE1020010C	2.02	1.73	14	28	1.4
2 x 1-1/4	36RE1020012C	2.10	1.90	10	20	1.5
2 x 1-1/2	36RE1020014C	2.07	1.89	10	20	1.6
2-1/2 x 1	36RE1024010C	2.36	1.87	8	16	2.2
2-1/2 x 1-1/4	36RE1024012C	2.44	2.03	8	16	2.6
2-1/2 x 1-1/2	36RE1024014C	2.51	2.16	8	16	2.9
2-1/2 x 2	36RE1024020C	2.60	2.39	8	16	3.1
3 x 1-1/4	36RE1030012C	2.74	2.16	5	10	2.8
3 x 1-1/2	36RE1030014C	2.80	2.28	5	10	2.7
3 x 2	36RE1030020C	2.89	2.52	-	8	4.2
3 x 2-1/2	36RE1030024C	2.99	2.83	-	8	4.0

Fig. 36SE1 – 90° Street Elbow



Size in	Part Number	A in	B in	Packing		Weight lb
				Inner	Master	
1/8	36SE1001C	0.92	0.54	60	960	0.1
1/4	36SE1002C	1.11	0.71	35	560	0.1
3/8	36SE1003C	1.24	0.82	40	320	0.1
1/2	36SE1004C	1.48	1.01	75	300	0.2
3/4	36SE1006C	1.65	1.18	40	160	0.3
1	36SE1010C	1.98	1.43	40	80	0.5
1-1/4	36SE1012C	2.24	1.69	25	50	0.8
1-1/2	36SE1014C	2.46	1.84	9	36	1.1
2	36SE1020C	2.88	2.12	10	20	2.0
2-1/2	36SE1024C	3.86	2.70	-	10	4.0
3	36SE1030C	4.51	3.08	-	7	4.7
4	36SE1040C	5.69	3.79	-	3	11.4

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Fig. 36F 1 – 45° Elbow

Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/8	36F 1001C	0.42	50	800	0.1
1/4	36F 1002C	0.56	30	480	0.1
3/8	36F 1003C	0.63	50	400	0.1
1/2	36F 1004C	0.78	50	200	0.2
3/4	36F 1006C	0.89	40	160	0.3
1	36F 1010C	1.06	20	80	0.5
1-1/4	36F 1012C	1.22	20	40	0.7
1-1/2	36F 1014C	1.30	8	32	1.0
2	36F 1020C	1.45	12	24	1.7
2-1/2	36F 1024C	1.95	-	15	3.2
3	36F 1030C	2.17	-	10	4.7
4	36F 1040C	2.61	-	3	8.1

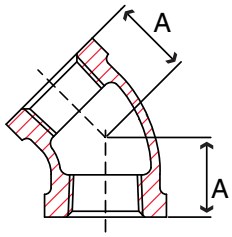


Fig. 36SF1 – 45° Street Elbow

Size in	Part Number	A in	B in	Packing		Weight lb
				Inner	Master	
1/8	36SF1001C	0.42	0.78	70	1120	0.05
1/4	36SF1002C	0.56	0.88	40	640	0.1
3/8	36SF1003C	0.63	0.92	50	600	0.1
1/2	36SF1004C	0.78	1.06	75	300	0.2
3/4	36SF1006C	0.89	1.23	40	160	0.3
1	36SF1010C	1.06	1.40	25	100	0.5
1-1/4	36SF1012C	1.22	1.64	10	40	0.7
1-1/2	36SF1014C	1.30	1.80	10	40	1.0
2	36SF1020C	1.45	2.14	12	24	1.5
2-1/2	36SF1024C	1.95	2.57	5	10	3.0
3	36SF1030C	2.17	3.00	-	6	5.0
4	36SF1040C	2.61	3.70	-	4	8.0

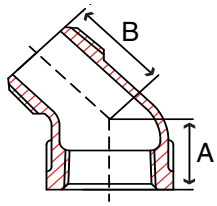


Fig. 36T 1 – Tee

Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/8	36T 1001C	0.54	80	640	0.1
1/4	36T 1002C	0.71	50	400	0.1
3/8	36T 1003C	0.82	30	240	0.2
1/2	36T 1004C	1.01	40	160	0.3
3/4	36T 1006C	1.18	25	100	0.5
1	36T 1010C	1.43	25	50	0.8
1-1/4	36T 1012C	1.69	14	28	1.2
1-1/2	36T 1014C	1.84	15	30	1.6
2	36T 1020C	2.12	-	15	2.7
2-1/2	36T 1024C	2.70	-	10	5.1
3	36T 1030C	3.08	-	6	7.5
4	36T 1040C	3.79	-	2	13.3

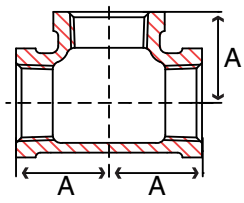
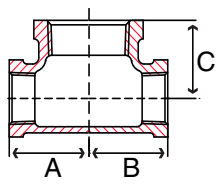


Fig. 36BT1 – Bull Head Tee

Size in	Part Number	A in	B in	C in	Packing		Weight lb
					Inner	Master	
1/2 x 3/4	36BT1004006C	1.11	1.11	1.08	25	100	0.4
3/4 x 1	36BT1006010C	1.31	1.31	1.30	15	60	0.7
1 x 1-1/4	36BT1010012C	1.60	1.60	1.52	8	32	1.1
1 x 1-1/2	36BT1010014C	1.72	1.72	1.55	15	30	1.5



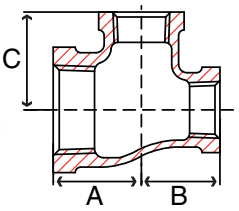


Fig. 36RT1 – Reducing Tee

Size in	Part Number	A in	B in	C in	Packing Inner	Packing Master	Weight lb
3/8 x 1/4	36RT1003002C	0.75	0.75	0.78	40	160	0.2
1/2 x 1/8	36RT1004001C	0.87	0.87	0.87	20	160	0.2
1/2 x 1/4	36RT1004002C	0.87	0.87	0.87	25	200	0.2
1/2 x 3/8	36RT1004003C	0.93	0.93	0.90	25	200	0.3
3/4 x 1/4	36RT1006002C	1.00	1.00	1.00	25	100	0.4
3/4 x 3/8	36RT1006003C	1.00	1.00	1.00	25	100	0.4
3/4 x 1/2	36RT1006004C	1.08	1.08	1.11	25	100	0.5
3/4 x 1/2 x 1/2	36RT1006004004C	1.08	1.01	1.11	25	100	0.4
3/4 x 1/2 x 3/4	36RT1006004006C	1.18	1.11	1.18	20	80	0.5
1 x 1/4	36RT1010002C	1.12	1.12	1.13	20	80	0.5
1 x 3/8	36RT1010003C	1.12	1.12	1.13	15	60	0.6
1 x 1/2	36RT1010004C	1.20	1.20	1.24	15	60	0.6
1 x 1/2 x 3/4	36RT1010004006C	1.30	1.11	1.31	20	80	0.6
1 x 1/2 x 1	36RT1010004010C	1.43	1.24	1.43	15	60	0.8
1 x 3/4	36RT1010006C	1.30	1.18	1.31	15	60	0.8
1 x 3/4 x 1/2	36RT1010006004C	1.20	1.08	1.24	20	80	0.6
1 x 3/4 x 3/4	36RT1010006006C	1.30	1.18	1.31	15	60	0.7
1 x 3/4 x 1	36RT1010006010C	1.43	1.31	1.43	15	60	0.8
1-1/4 x 1/2	36RT1012004C	1.29	1.29	1.41	20	40	0.8
1-1/4 x 3/4	36RT1012006C	1.39	1.39	1.48	20	40	0.9
1-1/4 x 1	36RT1012010C	1.52	1.52	1.60	20	40	1.2
1-1/4 x 1 x 1/2	36RT1012010004C	1.39	1.30	1.48	20	40	0.8
1-1/2 x 1/2	36RT1014004C	1.32	1.32	1.53	18	36	1.2
1-1/2 x 3/4	36RT1014006C	1.42	1.42	1.60	15	30	1.3
1-1/2 x 1	36RT1014010C	1.55	1.55	1.72	15	30	1.2
1-1/2 x 1-1/4	36RT1014012C	1.72	1.72	1.81	12	24	1.7
1-1/2 x 1-1/4 x 1	36RT1014012010C	1.55	1.52	1.72	15	30	1.2
1-1/2 x 1-1/4 x 1-1/2	36RT1014012014C	1.84	1.81	1.84	12	24	1.5
2 x 1/2	36RT1020004C	1.47	1.47	1.84	12	24	1.8
2 x 3/4	36RT1020006C	1.47	1.47	1.84	12	24	1.9
2 x 1	36RT1020010C	1.59	1.59	1.95	10	20	2.0
2 x 1-1/4	36RT1020012C	1.77	1.77	2.04	8	16	2.2
2 x 1-1/2	36RT1020014C	1.89	1.89	2.07	8	16	2.6
2-1/2 x 1-1/4	36RT1024012C	2.04	2.04	2.45	-	10	3.2
2-1/2 x 1-1/2	36RT1024014C	2.16	2.16	2.51	-	10	3.8
2-1/2 x 2	36RT1024020C	2.39	2.39	2.60	-	10	4.2
3 x 3/4	36RT1030006C	1.87	1.87	2.61	-	6	4.1
3 x 1	36RT1030010C	2.00	2.00	2.66	-	6	4.5
3 x 1-1/4	36RT1030012C	2.17	2.17	2.74	-	6	4.7
3 x 1-1/2	36RT1030014C	2.29	2.29	2.80	-	6	4.9
3 x 2	36RT1030020C	2.52	2.52	2.89	-	6	3.7
3 x 2-1/2	36RT1030024C	2.83	2.83	2.99	-	6	5.5
4 x 1	36RT1040010C	2.27	2.27	3.32	-	4	5.9
4 x 1-1/4	36RT1040012C	2.41	2.41	3.32	-	4	6.7
4 x 1-1/2	36RT1040014C	2.51	2.51	3.32	-	4	8.3
4 x 2	36RT1040020C	2.74	2.74	3.41	-	3	7.6
4 x 3	36RT1040030C	3.30	3.30	3.60	-	3	10.5

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Fig. 36X 1 – Cross

Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/8	36X 1001C	0.54	20	320	0.1
1/4	36X 1002C	0.71	40	320	0.2
3/8	36X 1003C	0.82	40	160	0.1
1/2	36X 1004C	1.01	30	120	0.4
3/4	36X 1006C	1.18	20	80	0.7
1	36X 1010C	1.43	20	40	1.0
1-1/4	36X 1012C	1.69	-	20	1.6
1-1/2	36X 1014C	1.84	-	18	2.1
2	36X 1020C	2.12	-	10	3.2
2-1/2	36X 1024C	2.70	-	6	5.5
3	36X 1030C	3.08	-	4	8.2
4	36X 1040C	3.79	-	2	13.5

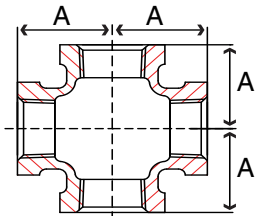


Fig. 36C 1 – Cap

Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/8	36C 1001C	0.53	120	1920	0.03
1/4	36C 1002C	0.63	80	1280	0.06
3/8	36C 1003C	0.68	60	720	0.1
1/2	36C 1004C	0.80	75	600	0.1
3/4	36C 1006C	0.90	40	320	0.1
1	36C 1010C	1.08	25	200	0.3
1-1/4	36C 1012C	1.12	25	100	0.5
1-1/2	36C 1014C	1.17	25	100	0.6
2	36C 1020C	1.36	18	72	0.9
2-1/2	36C 1024C	1.70	20	40	1.9
3	36C 1030C	1.80	12	24	2.7
4	36C 1040C	2.08	6	12	4.4
6	36C 1060C	2.50	6	6	10.0

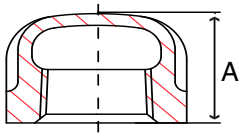


Fig. 36U 1 – Union

Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/8	36U 1001C	1.34	30	480	0.1
1/4	36U 1002C	1.45	20	240	0.2
3/8	36U 1003C	1.60	20	160	0.3
1/2	36U 1004C	1.60	40	160	0.5
3/4	36U 1006C	1.80	40	80	0.7
1	36U 1010C	2.00	30	60	1.1
1-1/4	36U 1012C	2.07	20	40	1.6
1-1/2	36U 1014C	2.33	15	30	2.0
2	36U 1020C	2.53	10	20	3.2
2-1/2	36U 1024C	3.33	-	10	5.3
3	36U 1030C	3.60	-	7	6.9
4	36U 1040C	3.80	-	4	12.0

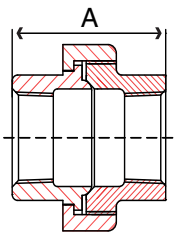
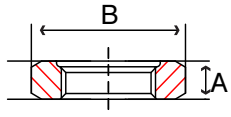


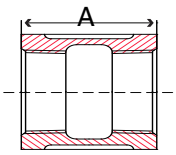
Fig. 36LN1 – Lock Nut*

Size in	Part Number	A in	B in	Packing		Weight lb
				Inner	Master	
1/8	36LN1001C	0.21	0.74	250	4000	0.02
1/4	36LN1002C	0.26	0.85	125	2000	0.03
3/8	36LN1003C	0.30	1.05	125	1500	0.04
1/2	36LN1004C	0.38	1.25	100	800	0.08
3/4	36LN1006C	0.40	1.50	60	480	0.1
1	36LN1010C	0.50	1.88	40	320	0.1
1-1/4	36LN1012C	0.50	2.15	30	240	0.2
1-1/2	36LN1014C	0.53	2.56	45	180	0.2
2	36LN1020C	0.57	3.10	25	100	0.4
2-1/2	36LN1024C	0.72	4.00	14	56	1.1



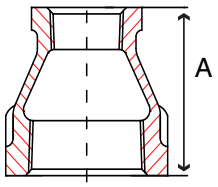
*NPSL Threads

Fig. 36CP1 – Coupling



Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/8	36CP1001C	0.80	70	1120	0.1
1/4	36CP1002C	0.97	40	640	0.1
3/8	36CP1003C	1.05	50	600	0.1
1/2	36CP1004C	1.29	40	320	0.1
3/4	36CP1006C	1.43	50	200	0.2
1	36CP1010C	1.68	25	100	0.4
1-1/4	36CP1012C	1.86	20	80	0.6
1-1/2	36CP1014C	1.92	12	48	0.8
2	36CP1020C	2.20	12	24	1.3
2-1/2	36CP1024C	2.88	8	16	2.6
3	36CP1030C	3.18	8	16	3.7
4	36CP1040C	3.69	-	6	5.8

Fig. 36RC1 – Reducing Coupling



Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/4 x 1/8	36RC1002001C	0.88	50	600	0.08
3/8 x 1/8	36RC1003001C	0.92	35	420	0.1
3/8 x 1/4	36RC1003002C	1.01	40	480	0.1
1/2 x 1/8	36RC1004001C	1.13	50	400	0.1
1/2 x 1/4	36RC1004002C	1.13	50	400	0.1
1/2 x 3/8	36RC1004003C	1.17	40	320	0.1
3/4 x 1/8	36RC1006001C	1.24	35	280	0.1
3/4 x 1/4	36RC1006002C	1.24	30	240	0.2
3/4 x 3/8	36RC1006003C	1.24	50	200	0.2
3/4 x 1/2	36RC1006004C	1.36	60	240	0.2
1 x 1/4	36RC1010002C	1.49	45	180	0.3
1 x 3/8	36RC1010003C	1.49	30	120	0.4
1 x 1/2	36RC1010004C	1.49	30	120	0.3
1 x 3/4	36RC1010006C	1.56	25	100	0.4
1-1/4 x 1/2	36RC1012004C	1.65	25	100	0.6
1-1/4 x 3/4	36RC1012006C	1.65	25	100	0.6
1-1/4 x 1	36RC1012010C	1.77	15	60	0.5
1-1/2 x 1/2	36RC1014004C	1.8	15	60	0.7
1-1/2 x 3/4	36RC1014006C	1.8	15	60	0.8
1-1/2 x 1	36RC1014010C	1.8	15	60	0.6
1-1/2 x 1-1/4	36RC1014012C	1.89	12	48	0.9
2 x 1/2	36RC1020004C	2.03	12	48	1.2
2 x 3/4	36RC1020006C	2.03	12	48	1.2
2 x 1	36RC1020010C	2.03	12	48	0.9
2 x 1-1/4	36RC1020012C	2.03	14	28	1.3
2 x 1-1/2	36RC1020014C	2.06	12	24	1.0
2-1/2 x 1	36RC1024010C	3.25	-	25	2.0
2-1/2 x 1-1/4	36RC1024012C	3.25	-	25	2.2
2-1/2 x 1-1/2	36RC1024014C	3.25	-	25	2.2
2-1/2 x 2	36RC1024020C	3.25	-	25	2.4
3 x 1	36RC1030010C	3.69	-	20	2.5
3 x 1-1/4	36RC1030012C	3.69	-	20	2.1
3 x 1-1/2	36RC1030014C	3.69	-	20	2.3
3 x 2	36RC1030020C	3.69	-	20	3.6
3 x 2-1/2	36RC1030024C	3.69	-	12	3.9
4 x 2	36RC1040020C	4.38	-	10	6.0
4 x 2-1/2	36RC1040024C	4.38	-	10	5.9
4 x 3	36RC1040030C	4.38	-	6	6.5

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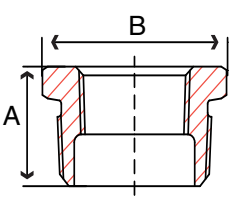
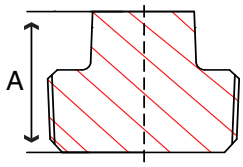
Fig. 36HB1 – Hex Bushing



Size in	Part Number	A in	B in	Hex	Packing		Weight lb
					Inner	Master	
1/4 x 1/8	36HB1002001C	0.65	0.66	Out	120	1920	0.02
3/8 x 1/8	36HB1003001C	0.70	0.70	Out	75	1200	0.05
3/8 x 1/4	36HB1003002C	0.70	0.73	Out	75	1200	0.04
1/2 x 1/8	36HB1004001C	0.81	0.90	Out	100	800	0.10
1/2 x 1/4	36HB1004002C	0.81	0.90	Out	100	800	0.09
1/2 x 3/8	36HB1004003C	0.81	0.90	Out	100	800	0.07
3/4 x 1/8	36HB1006001C	0.88	1.18	Out	50	600	0.1
3/4 x 1/4	36HB1006002C	0.93	1.18	Out	40	480	0.1
3/4 x 3/8	36HB1006003C	0.93	1.18	Out	50	600	0.1
3/4 x 1/2	36HB1006004C	0.93	1.18	Out	40	480	0.1
1 x 1/4	36HB1010002C	1.13	1.12	In	50	400	0.2
1 x 3/8	36HB1010003C	1.13	1.12	In	50	400	0.2
1 x 1/2	36HB1010004C	1.10	1.44	Out	40	320	0.2
1 x 3/4	36HB1010006C	1.10	1.44	Out	40	360	0.2
1-1/4 x 1/2	36HB1012004C	1.18	1.80	In	30	120	0.3
1-1/4 x 3/4	36HB1012006C	1.18	1.80	Out	30	120	0.4
1-1/4 x 1	36HB1012010C	1.18	1.80	Out	30	120	0.3
1-1/2 x 1/4	36HB1014002C	1.27	1.15	In	25	100	0.4
1-1/2 x 3/8	36HB1014003C	1.30	1.34	Out	25	100	0.4
1-1/2 x 1/2	36HB1014004C	1.27	1.34	In	25	100	0.4
1-1/2 x 3/4	36HB1014006C	1.27	1.63	In	25	100	0.4
1-1/2 x 1	36HB1014010C	1.19	2.04	Out	25	100	0.5
1-1/2 x 1-1/4	36HB1014012C	1.19	2.04	Out	25	100	0.4
2 x 1/2	36HB1020004C	1.35	1.36	In	20	80	0.6
2 x 3/4	36HB1020006C	1.35	1.65	In	20	80	0.7
2 x 1	36HB1020010C	1.35	2.00	In	20	80	0.7
2 x 1-1/4	36HB1020012C	1.35	2.50	Out	20	80	0.8
2 x 1-1/2	36HB1020014C	1.35	2.55	Out	20	80	0.8
2-1/2 x 1/2	36HB1024004C	1.64	3.15	Out	15	60	1.2
2-1/2 x 3/4	36HB1024006C	1.58	1.65	In	15	60	1.1
2-1/2 x 1	36HB1024010C	1.58	2.00	In	12	48	1.1
2-1/2 x 1-1/4	36HB1024012C	1.60	2.39	In	12	48	1.2
2-1/2 x 1-1/2	36HB1024014C	1.52	2.70	In	12	48	1.3
2-1/2 x 2	36HB1024020C	1.62	3.15	Out	12	48	1.1
3 x 1/2	36HB1030004C	1.60	1.35	In	12	48	1.9
3 x 3/4	36HB1030006C	1.70	1.65	In	10	40	1.9
3 x 1	36HB1030010C	1.60	2.00	In	12	48	1.6
3 x 1-1/4	36HB1030012C	1.70	2.40	In	10	40	1.7
3 x 1-1/2	36HB1030014C	1.70	2.70	In	12	48	1.8
3 x 2	36HB1030020C	1.70	3.55	Out	6	24	2.3
3 x 2-1/2	36HB1030024C	1.70	3.90	Out	6	24	2.1
4 x 1-1/2	36HB1040014C	1.80	2.70	In	-	20	3.4
4 x 2	36HB1040020C	1.80	3.30	In	-	20	3.6
4 x 2-1/2	36HB1040024C	2.10	4.75	Out	-	20	3.9
4 x 3	36HB1040030C	2.10	4.75	Out	-	20	4.2

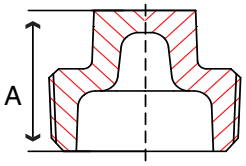
Bushings may have hexagon or octagon heads.

Fig. 36SS1 – Square Head Solid Plug



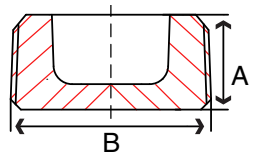
Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/8	36SS1001C	0.65	300	4800	0.02
1/4	36SS1002C	0.75	150	2400	0.03
3/8	36SS1003C	0.85	100	1600	0.06
1/2	36SS1004C	1.00	50	800	0.1
3/4	36SS1006C	1.15	30	360	0.1
1	36SS1010C	1.30	20	240	0.3
1-1/4	36SS1012C	1.40	40	160	0.6
1-1/2	36SS1014C	1.50	30	120	0.8
2	36SS1020C	1.60	20	80	1.2
2-1/2	36SS1024C	1.85	16	64	2.3
3	36SS1030C	1.95	16	32	4.0
4	36SS1040C	2.30	8	16	6.8

Fig. 36SC1 – Square Head Cored Plug



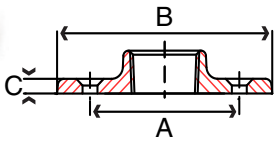
Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/2	36SC1004C	1.00	50	800	0.1
3/4	36SC1006C	1.15	30	360	0.1
1	36SC1010C	1.30	20	240	0.2
1-1/4	36SC1012C	1.40	40	160	0.3
1-1/2	36SC1014C	1.50	30	120	0.5
2	36SC1020C	1.60	20	80	0.7
2-1/2	36SC1024C	1.85	16	64	1.0
3	36SC1030C	1.95	16	32	2.0
4	36SC1040C	2.30	8	16	3.6

Fig. 36CS1 – Countersunk Square Plug



Size in	Part Number	A in	B in	Packing		Weight lb
				Inner	Master	
1/2	36CS1004C	0.54	0.38	50	800	0.05
3/4	36CS1006C	0.55	0.50	30	480	0.1
1	36CS1010C	0.69	0.50	20	320	0.2
1-1/4	36CS1012C	0.71	0.75	40	320	0.3
1-1/2	36CS1014C	0.73	0.75	30	240	0.5
2	36CS1020C	0.76	0.88	20	160	0.8
2-1/2	36CS1024C	1.07	1.12	16	64	1.2
3	36CS1030C	1.13	1.38	16	32	2.5
4	36CS1040C	1.22	2.00	8	16	3.7

Fig. 36FF1 – Floor Flange



Size in	Part Number	A in	B in	C in	Packing		Weight lb
					Inner	Master	
1/4	36FF1002C	2.00	2.80	0.31	50	200	0.3
3/8	36FF1003C	2.00	2.80	0.31	50	200	0.3
1/2	36FF1004C	2.00	2.95	0.25	50	200	0.7
3/4	36FF1006C	2.45	3.35	0.30	30	120	0.8
1	36FF1010C	2.70	3.70	0.30	20	80	1.1
1-1/4	36FF1012C	3.00	3.95	0.30	15	60	1.1
1-1/2	36FF1014C	3.35	4.30	0.33	12	48	1.5
2	36FF1020C	4.25	5.60	0.33	8	32	2.4

SCI ProPak™ System

Fig. 16TH1 – Class 150 Threaded Flange

Size in	Part Number	Hole Size	Number of holes	A in	B in	C in	Packing	Weight lb
1/2	16TH1004	5/8	4	3.50	2.38	0.59	50	0.7
3/4	16TH1006	5/8	4	3.88	2.75	0.62	40	1.0
1	16TH1010	5/8	4	4.25	3.12	0.69	30	1.3
1-1/4	16TH1012	5/8	4	4.62	3.50	0.81	20	1.6
1-1/2	16TH1014	5/8	4	5.00	3.88	0.88	15	2.1
2	16TH1020	3/4	4	6.00	4.75	1.00	10	3.5
2-1/2	16TH1024	3/4	4	7.00	5.50	1.12	5	5.4
3	16TH1030	3/4	4	7.50	6.00	1.19	4	6.5
4	16TH1040	3/4	8	9.00	7.50	1.31	3	9.9
6	16TH1060	7/8	8	11.0	9.50	1.56	2	17.0

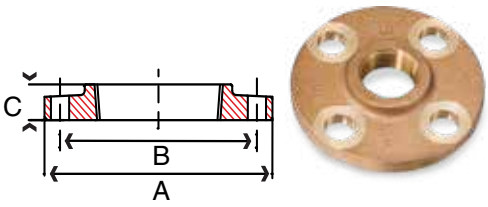
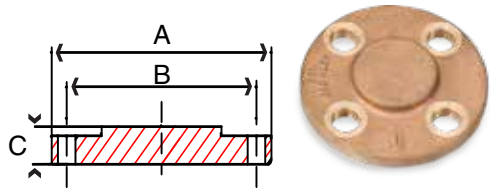


Fig. 16BL1 – Class 150 Blind Flange

Size in	Part Number	Hole Size	Number of holes	A in	B in	C in	Packing	Weight lb
3/4	16BL1006	5/8	4	3.88	2.75	0.62	30	1.0
1	16BL1010	5/8	4	4.25	3.12	0.69	25	1.7
1-1/4	16BL1012	5/8	4	4.62	3.50	0.81	20	2.5
1-1/2	16BL1014	5/8	4	5.00	3.88	0.88	15	3.0
2	16BL1020	3/4	4	6.00	4.75	1.00	10	5.5
2-1/2	16BL1024	3/4	4	7.00	5.50	1.12	8	8.5
3	16BL1030	3/4	4	7.50	6.00	1.19	5	10.5
4	16BL1040	3/4	8	9.00	7.50	1.31	3	16.5
6	16BL1060	7/8	8	11.0	9.50	1.56	2	32.5



Heavy Pattern 150# Stainless Fittings

Heavy Pattern 150# Stainless Fittings

Specifications

- SCI® branded
- Stainless castings conform to ASTM A351 ACI Grade CF8 (304) & ACI Grade CF8M (316)
- NPT threads conform to ASME B1.20.1
- Manufacturing facility is ISO 9001:2008 Certified
- Fittings meet applicable chemical & mechanical properties

SCI ProPak™ System

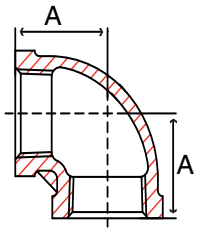


Fig. S3114E & S3116E - 90° Elbow

Size in	Part Number 304	Part Number 316	A in	Packing Inner	Packing Master	Weight lb
1/8	S3114E 001	S3116E 001	0.71	120	480	0.05
1/4	S3114E 002	S3116E 002	0.77	100	400	0.08
3/8	S3114E 003	S3116E 003	0.94	50	200	0.12
1/2	S3114E 004	S3116E 004	1.16	30	120	0.19
3/4	S3114E 006	S3116E 006	1.26	18	72	0.30
1	S3114E 010	S3116E 010	1.44	10	40	0.52
1-1/4	S3114E 012	S3116E 012	1.73	4	16	0.71
1-1/2	S3114E 014	S3116E 014	1.91	3	12	1.07
2	S3114E 020	S3116E 020	2.24	2	8	1.45
2-1/2	S3114E 024	S3116E 024	2.70	-	6	3.26
3	S3114E 030	S3116E 030	3.09	-	3	4.66
4	S3114E 040	S3116E 040	3.82	-	2	7.05

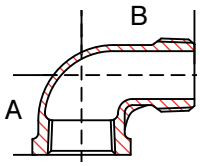


Fig. S3114SE & S3116SE - 90° Street Elbow

Size in	Part Number 304	Part Number 316	A in	B in	Packing Inner	Packing Master	Weight lb
1/8	S3114SE001	S3116SE001	0.69	1.00	150	600	0.04
1/4	S3114SE002	S3116SE002	0.83	1.18	100	400	0.07
3/8	S3114SE003	S3116SE003	0.91	1.52	50	200	0.11
1/2	S3114SE004	S3116SE004	1.12	1.69	32	128	0.20
3/4	S3114SE006	S3116SE006	1.24	1.83	12	48	0.29
1	S3114SE010	S3116SE010	1.48	2.09	8	32	0.52
1-1/4	S3114SE012	S3116SE012	1.77	2.48	4	16	0.72
1-1/2	S3114SE014	S3116SE014	1.83	2.72	2	4	0.92
2	S3114SE020	S3116SE020	2.38	3.35	2	8	1.79
2-1/2	S3114SE024	S3116SE024	2.62	4.13	-	4	2.73
3	S3114SE030	S3116SE030	3.09	4.43	-	3	3.87
4	S3114SE040	S3116SE040	3.82	5.04	-	2	6.07

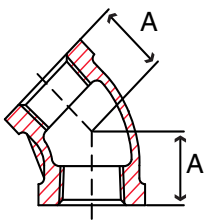


Fig. S3114F & S3116F - 45° Elbow

Size in	Part Number 304	Part Number 316	A in	Packing Inner	Packing Master	Weight lb
1/8	S3114F 001	S3116F 001	0.73	120	480	0.07
1/4	S3114F 002	S3116F 002	0.75	100	400	0.07
3/8	S3114F 003	S3116F 003	0.75	60	240	0.11
1/2	S3114F 004	S3116F 004	0.87	30	120	0.22
3/4	S3114F 006	S3116F 006	0.91	20	80	0.34
1	S3114F 010	S3116F 010	1.10	8	32	0.53
1-1/4	S3114F 012	S3116F 012	1.26	6	24	0.66
1-1/2	S3114F 014	S3116F 014	1.38	3	12	0.93
2	S3114F 020	S3116F 020	1.65	2	8	1.34
2-1/2	S3114F 024	S3116F 024	1.85	-	6	2.87
3	S3114F 030	S3116F 030	2.05	-	4	3.93
4	S3114F 040	S3116F 040	2.60	-	2	5.91

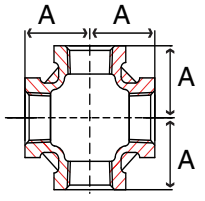


Fig. S3114X & S3116X - Cross

Size in	Part Number 304	Part Number 316	A in	Packing Inner	Packing Master	Weight lb
1/8	S3114X 001	S3116X 001	0.71	50	200	0.11
1/4	S3114X 002	S3116X 002	0.77	50	200	0.18
3/8	S3114X 003	S3116X 003	0.94	24	96	0.31
1/2	S3114X 004	S3116X 004	1.16	10	40	0.43
3/4	S3114X 006	S3116X 006	1.26	8	32	0.62
1	S3114X 010	S3116X 010	1.44	4	16	1.05
1-1/4	S3114X 012	S3116X 012	1.73	3	12	1.49
1-1/2	S3114X 014	S3116X 014	1.91	2	8	1.90
2	S3114X 020	S3116X 020	2.24	-	8	3.04
2-1/2	S3114X 024	S3116X 024	2.70	-	2	5.44
3	S3114X 030	S3116X 030	3.09	-	2	7.32
4	S3114X 040	S3116X 040	3.82	-	1	11.34

Fig. S3114T & S3116T - Tee

Size	Part Number		A	Packing		Weight
in	304	316	in	Inner	Master	lb
1/8	S3114T 001	S3116T 001	0.71	75	300	0.09
1/4	S3114T 002	S3116T 002	0.77	70	280	0.11
3/8	S3114T 003	S3116T 003	0.94	40	160	0.18
1/2	S3114T 004	S3116T 004	1.16	15	60	0.29
3/4	S3114T 006	S3116T 006	1.26	12	48	0.46
1	S3114T 010	S3116T 010	1.44	6	24	0.68
1-1/4	S3114T 012	S3116T 012	1.73	-	20	1.06
1-1/2	S3114T 014	S3116T 014	1.91	-	12	1.39
2	S3114T 020	S3116T 020	2.24	-	9	1.97
2-1/2	S3114T 024	S3116T 024	2.70	-	5	4.54
3	S3114T 030	S3116T 030	3.09	-	2	6.26
4	S3114T 040	S3116T 040	3.82	-	1	9.43

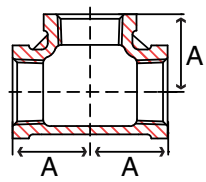


Fig. S3114U & S3116U - Union

Size	Part Number		A	B	Packing		Weight
in	304	316	in	in	Inner	Master	lb
1/8	S3114U 001	S3116U 001	1.44	1.14	45	180	0.22
1/4	S3114U 002	S3116U 002	1.44	1.14	45	180	0.19
3/8	S3114U 003	S3116U 003	1.48	1.42	24	96	0.30
1/2	S3114U 004	S3116U 004	1.63	1.61	16	64	0.37
3/4	S3114U 006	S3116U 006	1.85	1.93	12	48	0.53
1	S3114U 010	S3116U 010	1.97	2.28	8	32	0.85
1-1/4	S3114U 012	S3116U 012	2.05	2.68	4	16	1.13
1-1/2	S3114U 014	S3116U 014	2.28	3.03	2	8	1.56
2	S3114U 020	S3116U 020	2.48	3.62	2	8	2.37
2-1/2	S3114U 024	S3116U 024	2.89	4.29	-	8	3.81
3	S3114U 030	S3116U 030	3.54	4.92	-	4	5.34
4	S3114U 040	S3116U 040	3.94	6.18	-	2	8.60

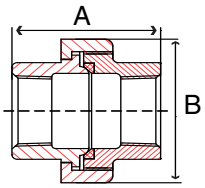


Fig. S3114SP & S3116SP - Square Head Plug

Size	Part Number		A	B	Packing		Weight
in	304	316	in	in	Inner	Master	lb
1/8	S3114SP001	S3116SP001	0.71	0.28	600	2400	0.02
1/4	S3114SP002	S3116SP002	0.77	0.35	350	1400	0.03
3/8	S3114SP003	S3116SP003	0.79	0.38	250	1000	0.06
1/2	S3114SP004	S3116SP004	0.93	0.51	100	400	0.05
3/4	S3114SP006	S3116SP006	1.18	0.72	60	240	0.13
1	S3114SP010	S3116SP010	1.30	0.75	36	144	0.16
1-1/4	S3114SP012	S3116SP012	1.54	0.91	28	112	0.27
1-1/2	S3114SP014	S3116SP014	1.57	1.04	24	96	0.33
2	S3114SP020	S3116SP020	1.77	1.16	9	36	0.57
2-1/2	S3114SP024	S3116SP024	1.89	1.57	5	20	0.80
3	S3114SP030	S3116SP030	2.15	1.75	3	12	1.19
4	S3114SP040	S3116SP040	2.36	2.34	-	10	2.12

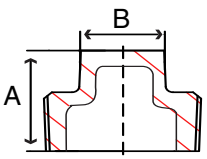


Fig. S3114HP & S3116HP - Hex Head Plug

Size	Part Number		A	B	Packing		Weight
in	304	316	in	in	Inner	Master	lb
1/8	S3114HP001	S3116HP001	0.71	0.55	400	1600	0.04
1/4	S3114HP002	S3116HP002	0.91	0.67	300	1200	0.05
3/8	S3114HP003	S3116HP003	0.94	0.83	120	480	0.06
1/2	S3114HP004	S3116HP004	1.06	1.02	100	400	0.10
3/4	S3114HP006	S3116HP006	1.10	1.26	60	240	0.16
1	S3114HP010	S3116HP010	1.34	1.50	35	140	0.24
1-1/4	S3114HP012	S3116HP012	1.40	1.81	18	72	0.34
1-1/2	S3114HP014	S3116HP014	1.44	2.05	15	60	0.48
2	S3114HP020	S3116HP020	1.46	2.56	6	24	0.72
2-1/2	S3114HP024	S3116HP024	1.91	3.17	4	16	1.35
3	S3114HP030	S3116HP030	1.99	3.76	-	12	1.92
4	S3114HP040	S3116HP040	2.03	4.76	-	10	2.70

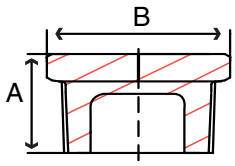
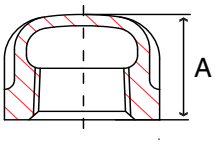
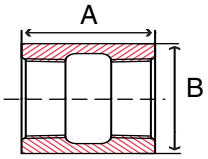


Fig. S3114C & S3116C - Cap



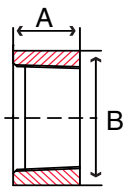
Size in	Part Number 304	Part Number 316	A in	Packing Inner	Packing Master	Weight lb
1/8	S3114C 001	S3116C 001	0.61	300	1200	0.03
1/4	S3114C 002	S3116C 002	0.87	150	600	0.07
3/8	S3114C 003	S3116C 003	0.96	80	320	0.12
1/2	S3114C 004	S3116C 004	1.10	60	240	0.16
3/4	S3114C 006	S3116C 006	1.10	40	160	0.23
1	S3114C 010	S3116C 010	1.28	18	72	0.36
1-1/4	S3114C 012	S3116C 012	1.30	12	48	0.53
1-1/2	S3114C 014	S3116C 014	1.42	9	36	0.64
2	S3114C 020	S3116C 020	1.48	4	16	1.00
2-1/2	S3114C 024	S3116C 024	1.71	-	15	1.61
3	S3114C 030	S3116C 030	1.89	-	12	2.90
4	S3114C 040	S3116C 040	2.03	-	4	4.95

Fig. S3114CP & S3116CP - Full Coupling



Size in	Part Number 304	Part Number 316	A in	B in	Packing Inner	Packing Master	Weight lb
1/8	S3114CP001	S3116CP001	0.79	0.55	200	800	0.04
1/4	S3114CP002	S3116CP002	1.06	0.73	120	480	0.07
3/8	S3114CP003	S3116CP003	1.10	0.85	100	400	0.07
1/2	S3114CP004	S3116CP004	1.40	1.05	60	240	0.16
3/4	S3114CP006	S3116CP006	1.48	1.25	30	120	0.19
1	S3114CP010	S3116CP010	1.69	1.56	16	64	0.37
1-1/4	S3114CP012	S3116CP012	1.89	1.91	12	48	0.53
1-1/2	S3114CP014	S3116CP014	1.89	2.17	12	48	0.65
2	S3114CP020	S3116CP020	2.20	2.62	4	16	0.99
2-1/2	S3114CP024	S3116CP024	2.56	3.33	-	8	2.07
3	S3114CP030	S3116CP030	2.80	3.96	-	6	2.77
4	S3114CP040	S3116CP040	3.27	5.10	-	3	5.11
6	S3114CP060	S3116CP060	3.94	7.06	-	1	7.95

Fig. S3114HC & S3116HC - Half Coupling



Size in	Part Number 304	Part Number 316	A in	B in	Packing Inner	Packing Master	Weight lb
1/8	S3114HC001	S3116HC001	0.43	0.55	400	1600	0.02
1/4	S3114HC002	S3116HC002	0.51	0.73	300	1200	0.03
3/8	S3114HC003	S3116HC003	0.55	0.85	200	800	0.03
1/2	S3114HC004	S3116HC004	0.71	1.05	100	400	0.09
3/4	S3114HC006	S3116HC006	0.77	1.25	60	240	0.09
1	S3114HC010	S3116HC010	0.83	1.56	35	140	0.18
1-1/4	S3114HC012	S3116HC012	0.94	1.91	24	96	0.24
1-1/2	S3114HC014	S3116HC014	0.94	2.17	20	80	0.31
2	S3114HC020	S3116HC020	1.10	2.62	8	32	0.44
2-1/2	S3114HC024	S3116HC024	1.30	3.33	4	16	1.01
3	S3114HC030	S3116HC030	1.42	3.96	-	12	1.37
4	S3114HC040	S3116HC040	1.65	5.10	-	6	2.56
6	S3114HC060	S3116HC060	1.97	7.06	-	1	3.95

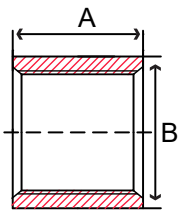
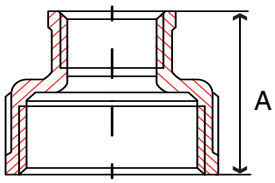


Fig. 29DC14 – 304 SS Recessed Drop Pipe Coupling

Size in	Part Number	A in	B in	Packing Inner	Packing Master	Weight lb
1	29DC14010	2.50	1.67	15	90	0.7
1-1/4	29DC14012	2.50	2.03	20	80	0.8
1-1/2	29DC14014	2.50	2.31	7	42	1.0
2	29DC14020	2.50	2.75	5	30	1.2

Fig. S3114RC & S3116RC - Reducing Coupling

Size	Part Number		A	Packing		Weight
in	304	316	in	Inner	Master	lb
1/4 x 1/8	S3114RC002001	S3116RC002001	1.12	150	600	0.07
3/8 x 1/8	S3114RC003001	S3116RC003001	1.59	60	240	0.13
3/8 x 1/4	S3114RC003002	S3116RC003002	1.59	60	240	0.15
1/2 x 1/8	S3114RC004001	S3116RC004001	1.75	40	160	0.16
1/2 x 1/4	S3114RC004002	S3116RC004002	1.75	40	160	0.18
1/2 x 3/8	S3114RC004003	S3116RC004003	1.75	40	160	0.20
3/4 x 1/8	S3114RC006001	S3116RC006001	1.75	24	96	0.21
3/4 x 1/4	S3114RC006002	S3116RC006002	1.75	24	96	0.21
3/4 x 3/8	S3114RC006003	S3116RC006003	1.75	24	96	0.23
3/4 x 1/2	S3114RC006004	S3116RC006004	1.75	24	96	0.26
1 x 1/8	S3114RC010001	S3116RC010001	1.97	12	48	0.35
1 x 1/4	S3114RC010002	S3116RC010002	1.97	12	48	0.36
1 x 3/8	S3114RC010003	S3116RC010003	1.97	12	48	0.37
1 x 1/2	S3114RC010004	S3116RC010004	1.97	12	48	0.36
1 x 3/4	S3114RC010006	S3116RC010006	1.97	12	48	0.42
1-1/4 x 1/8	S3114RC012001	S3116RC012001	1.97	12	48	0.45
1-1/4 x 1/4	S3114RC012002	S3116RC012002	1.97	12	48	0.51
1-1/4 x 3/8	S3114RC012003	S3116RC012003	1.97	12	48	0.48
1-1/4 x 1/2	S3114RC012004	S3116RC012004	1.97	12	48	0.51
1-1/4 x 3/4	S3114RC012006	S3116RC012006	1.97	12	48	0.53
1-1/4 x 1	S3114RC012010	S3116RC012010	1.97	12	48	0.62
1-1/2 x 1/8	S3114RC014001	S3116RC014001	2.26	8	32	0.59
1-1/2 x1/4	S3114RC014002	S3116RC014002	2.26	8	32	0.59
1-1/2 x 3/8	S3114RC014003	S3116RC014003	2.26	8	32	0.62
1-1/2 x 1/2	S3114RC014004	S3116RC014004	2.26	8	32	0.61
1-1/2 x 3/4	S3114RC014006	S3116RC014006	2.26	8	32	0.66
1-1/2 x 1	S3114RC014010	S3116RC014010	2.26	4	16	0.70
1-1/2 x 1-1/4	S3114RC014012	S3116RC014012	2.26	4	16	0.75
2 x 1/8	S3114RC020001	S3114RC020001	2.64	4	16	0.99
2 x 1/4	S3114RC020002	S3116RC020002	2.64	4	16	0.93
2 x 3/8	S3114RC020003	S3116RC020003	2.64	4	16	0.96
2 x 1/2	S3114RC020004	S3116RC020004	2.64	4	16	0.98
2 x 3/4	S3114RC020006	S3116RC020006	2.64	4	16	1.03
2 x 1	S3114RC020010	S3116RC020010	2.64	4	16	1.07
2 x 1-1/4	S3114RC020012	S3116RC020012	2.64	4	16	1.12
2 x 1-1/2	S3114RC020014	S3116RC020014	2.64	2	8	1.13
2-1/2 x 1/2	S3114RC024004	S3116RC024004	2.95	-	16	1.68
2-1/2 x 3/4	S3114RC024006	S3116RC024006	2.95	-	16	1.60
2-1/2 x 1	S3114RC024010	S3116RC024010	2.95	-	16	1.68
2-1/2 x 1-1/4	S3114RC024012	S3116RC024012	2.95	-	16	1.73
2-1/2 x 1-1/2	S3114RC024014	S3116RC024014	2.95	-	16	1.78
2-1/2 x 2	S3114RC024020	S3116RC024020	2.95	-	9	1.92
3 x 3/4	S3114RC030006	S3116RC030006	3.27	-	9	2.71
3 x 1	S3114RC030010	S3116RC030010	3.27	-	9	2.68
3 x 1-1/4	S3114RC030012	S3116RC030012	3.27	-	9	2.79
3 x 1-1/2	S3114RC030014	S3116RC030014	3.27	-	9	2.73
3 x 2	S3114RC030020	S3116RC030020	3.27	-	9	2.84
3 x 2-1/2	S3114RC030024	S3116RC030024	3.27	-	6	3.10
4 x 1	S3114RC040010	S3116RC040010	3.82	-	3	4.73
4 x 1-1/2	S3114RC040014	S3116RC040014	3.82	-	3	4.86
4 x 2	S3114RC040020	S3116RC040020	3.82	-	3	5.03
4 x 2-1/2	S3114RC040024	S3116RC040024	3.82	-	3	5.13
4 x 3	S3114RC040030	S3116RC040030	3.82	-	3	5.56



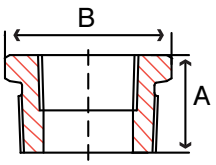


Fig. S3114HB & S3116HB - Hex Bushing

Size	Part Number		A	B	Packing		Weight
in	304	316	in	in	Inner	Master	lb
1/4 x 1/8	S3114HB002001	S3116HB002001	0.89	0.69	300	1200	0.04
3/8 x 1/8	S3114HB003001	S3116HB003001	0.91	0.87	120	480	0.07
3/8 x 1/4	S3114HB003002	S3116HB003002	0.91	0.87	120	480	0.05
1/2 x 1/8	S3114HB004001	S3116HB004001	0.99	1.00	100	400	0.09
1/2 x 1/4	S3114HB004002	S3116HB004002	0.99	1.00	100	400	0.09
1/2 x 3/8	S3114HB004003	S3116HB004003	0.99	1.00	100	400	0.05
3/4 x 1/8	S3114HB006001	S3116HB006001	1.02	1.24	60	240	0.16
3/4 x 1/4	S3114HB006002	S3116HB006002	1.02	1.24	60	240	0.15
3/4 x 3/8	S3114HB006003	S3116HB006003	1.02	1.24	60	240	0.15
3/4 x 1/2	S3114HB006004	S3116HB006004	1.02	1.24	60	240	0.13
1 x 1/8	S3114HB010001	S3116HB010001	1.30	1.52	36	144	0.26
1 x 1/4	S3114HB010002	S3116HB010002	1.30	1.52	36	144	0.25
1 x 3/8	S3114HB010003	S3116HB010003	1.30	1.52	36	144	0.24
1 x 1/2	S3114HB010004	S3116HB010004	1.30	1.52	36	144	0.22
1 x 3/4	S3114HB010006	S3116HB010006	1.30	1.52	36	144	0.17
1-1/4 x 1/8	S3114HB012001	S3116HB012001	1.30	1.81	18	72	0.35
1-1/4 x 1/4	S3114HB012002	S3116HB012002	1.30	1.81	18	72	0.36
1-1/4 x 3/8	S3114HB012003	S3116HB012003	1.30	1.81	18	72	0.35
1-1/4 x 1/2	S3114HB012004	S3116HB012004	1.30	1.81	18	72	0.35
1-1/4 x 3/4	S3114HB012006	S3116HB012006	1.30	1.81	18	72	0.28
1-1/4 x 1	S3114HB012010	S3116HB012010	1.30	1.81	18	72	0.26
1-1/2 x 1/4	S3114HB014002	S3116HB014002	1.38	2.03	18	72	0.52
1-1/2 x 3/8	S3114HB014003	S3116HB014003	1.38	2.03	18	72	0.52
1-1/2 x 1/2	S3114HB014004	S3116HB014004	1.38	2.03	18	72	0.51
1-1/2 x 3/4	S3114HB014006	S3116HB014006	1.38	2.03	18	72	0.49
1-1/2 x 1	S3114HB014010	S3116HB014010	1.38	2.03	18	72	0.45
1-1/2 x 1-1/4	S3114HB014012	S3116HB014012	1.38	2.03	18	72	0.34
2 x 1/4	S3114HB020002	S3116HB020002	1.42	2.46	9	36	0.77
2 x 3/8	S3114HB020003	S3116HB020003	1.42	2.46	9	36	0.80
2 x 1/2	S3114HB020004	S3116HB020004	1.42	2.46	9	36	0.77
2 x 3/4	S3114HB020006	S3116HB020006	1.42	2.46	9	36	0.75
2 x 1	S3114HB020010	S3116HB020010	1.42	2.46	9	36	0.77
2 x 1-1/4	S3114HB020012	S3116HB020012	1.93	3.15	9	36	0.70
2 x 1-1/2	S3114HB020014	S3116HB020014	1.93	3.15	9	36	0.57
2-1/2 x 1/2	S3114HB024004	S3116HB024004	1.93	3.15	4	16	1.26
2-1/2 x 3/4	S3114HB024006	S3116HB024006	1.93	3.15	4	16	1.32
2-1/2 x 1	S3114HB024010	S3116HB024010	1.93	3.15	4	16	1.40
2-1/2 x 1-1/4	S3114HB024012	S3116HB024012	1.93	3.15	4	16	1.40
2-1/2 x 1-1/2	S3114HB024014	S3116HB024014	1.93	3.15	4	16	1.23
2-1/2 x 2	S3114HB024020	S3116HB024020	1.93	3.15	4	16	0.99
3 x 1/2	S3114HB030004	S3116HB030004	1.95	3.76	3	12	2.12
3 x 3/4	S3114HB030006	S3116HB030006	1.95	3.76	3	12	2.08
3 x 1	S3114HB030010	S3116HB030010	1.95	3.76	3	12	2.17
3 x 1-1/4	S3114HB030012	S3116HB030012	1.95	3.76	3	12	2.20
3 x 1-1/2	S3114HB030014	S3116HB030014	1.95	3.76	3	12	2.10
3 x 2	S3114HB030020	S3116HB030020	1.95	3.76	3	12	1.90
3 x 2-1/2	S3114HB030024	S3116HB030024	1.95	3.76	3	12	1.61
4 x 1	S3114HB040010	S3116HB040010	2.01	4.74	-	8	3.64
4 x 1-1/4	S3114HB040012	S3116HB040012	2.01	4.74	-	8	3.50
4 x 1-1/2	S3114HB040014	S3116HB040014	2.01	4.74	-	8	3.61
4 x 2	S3114HB040020	S3116HB040020	2.01	4.74	-	8	3.52
4 x 2-1/2	S3114HB040024	S3116HB040024	2.01	4.74	-	8	3.40
4 x 3	S3114HB040030	S3116HB040030	2.01	4.74	-	8	2.83

All bushings are outside hex.

Fig. S3616WS - Weld Spud

Size	Part Number	A	B	Packing		Weight
in	316	in	in	Inner	Master	lb
1/4	S3616WS002	0.50	1.50	-	1	0.05
3/8	S3616WS003	0.50	1.62	-	1	0.06
1/2	S3616WS004	0.59	1.75	-	1	0.1
3/4	S3616WS006	0.65	1.93	-	1	0.2
1	S3616WS010	0.78	2.18	-	1	0.2
1-1/4	S3616WS012	0.75	2.68	-	1	0.3
1-1/2	S3616WS014	0.87	3.00	-	1	0.4
2	S3616WS020	0.93	3.50	-	1	0.6
2-1/2	S3616WS024	1.00	4.06	-	1	1.1
3	S3616WS030	1.00	4.62	-	1	1.3
4	S3616WS040	1.12	5.81	-	1	2.6

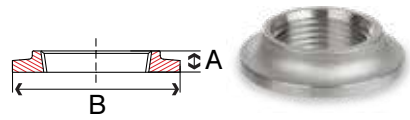


Fig. S3314LN & S3316LN - Lock Nut

Size	Part Number		A	B*	Packing		Weight
in	304	316	in	in	Inner	Master	lb
1/8	S3314LN001	S3316LN001	0.25	0.66	-	1	0.03
1/4	S3314LN002	S3316LN002	0.28	0.84	-	1	0.03
3/8	S3314LN003	S3316LN003	0.30	1.00	-	1	0.05
1/2	S3314LN004	S3316LN004	0.30	1.18	-	1	0.06
3/4	S3314LN006	S3316LN006	0.36	1.43	-	1	0.1
1	S3314LN010	S3316LN010	0.35	1.75	-	1	0.1
1-1/4	S3314LN012	S3316LN012	0.46	2.10	-	1	0.2
1-1/2	S3314LN014	S3316LN014	0.46	2.35	-	1	0.3
2	S3314LN020	S3316LN020	0.52	2.88	-	1	0.4
2-1/2	S3314LN024	S3316LN024	0.58	3.50	-	1	0.8
3	S3314LN030	S3316LN030	0.67	4.27	-	1	1.3
4	S3314LN040	S3316LN040	0.71	5.38	-	1	2.0

*Dimensions are minimums

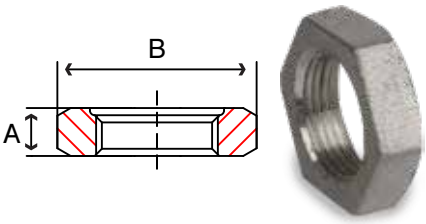
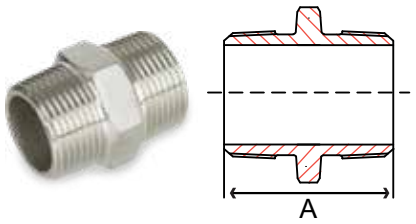
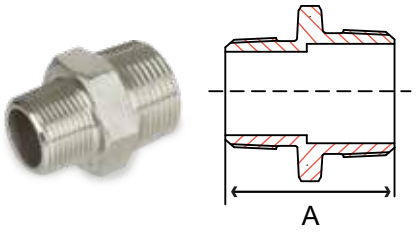


Fig. S8346HN - 316 Hex Nipple



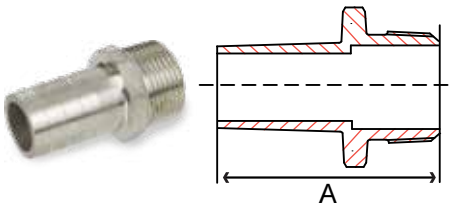
Diameter in	Part Number 316	A in	Packing Inner	Packing Master	Weight lb
1/8	S8346HN001	1.30	50	200	0.02
1/4	S8346HN002	1.30	50	200	0.04
3/8	S8346HN003	1.38	50	200	0.08
1/2	S8346HN004	1.67	50	200	0.1
3/4	S8346HN006	1.81	25	100	0.1
1	S8346HN010	1.97	25	100	0.3
1 1/4	S8346HN012	2.28	-	50	0.4
1 1/2	S8346HN014	2.36	-	50	0.6
2	S8346HN020	2.70	-	20	0.9

Fig. S8346RH - 316 Reducing Hex Nipple



Diameter in	Part Number 316	A in	Packing Inner	Packing Master	Weight lb
1/4 x 1/8	S8346RH002001	1.30	50	200	0.04
3/8 x 1/4	S8346RH003002	1.38	50	200	0.08
1/2 x 3/8	S8346RH004003	1.67	50	200	0.1
3/4 x 1/2	S8346RH006004	1.81	25	100	0.1
1 x 3/4	S8346RH010006	1.97	25	100	0.3
1-1/4 x 1	S8346RH012010	2.28	-	50	0.4
1-1/2 x 1-1/4	S8346RH014012	2.36	-	50	0.6
2 x 1-1/2	S8346RH020014	2.70	-	20	0.9

Fig. S8346KN - 316 King Nipple Hose x Threaded



Diameter in	Part Number 316	A in	Packing Inner	Packing Master	Weight lb
1/8	S8346KN001	1.57	25	100	0.02
1/4	S8346KN002	1.77	25	100	0.05
3/8	S8346KN003	1.97	25	100	0.07
1/2	S8346KN004	2.36	25	100	0.1
3/4	S8346KN006	2.56	25	100	0.2
1	S8346KN010	2.95	-	50	0.3
1 1/4	S8346KN012	3.35	-	40	0.5
1 1/2	S8346KN014	3.54	-	40	0.9
2	S8346KN020	3.94	-	20	1.3
2-1/2	S8346KN024	4.72	-	12	1.7
3	S8346KN030	5.12	-	5	2.0
4	S8346KN040	5.51	-	5	4.6

Series 0384

PTFE Tape with Nickel

- Use on Stainless Steel Threads
- 90% PTFE / 10% Nickel
- Melting Point 620˚F (327˚C)
- Thickness .0045 (±.0005)
- ISO 9001:2008 Manufacturer
- ASTM Mill Spec T-27730A

Size in	Part Number	Length in	Packing Inner	Packing Master	Weight lb
1/2	0384260G	260	100	600	0.02
3/4	0384260I	260	50	300	0.04

Fig. S3714E & S3716E - 90° Elbow

Size	Part Number		A	Packing		Weight
in	304	316	in	Inner	Master	lb
1/2	S3714E 004	S3716E 004	1.06	20	80	0.3
3/4	S3714E 006	S3716E 006	1.24	15	60	0.5
1	S3714E 010	S3716E 010	1.42	5	20	0.9
1-1/4	S3714E 012	S3716E 012	1.65	5	20	1.3
1-1/2	S3714E 014	S3716E 014	1.89	2	8	1.6
2	S3714E 020	S3716E 020	2.20	2	8	2.2
2-1/2	S3714E 024	S3716E 024	2.68	-	1	4.3
3	S3714E 030	S3716E 030	3.03	-	1	6.3

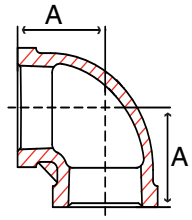


Fig. S3714F & S3716F - 45° Elbow

Size	Part Number		A	Packing		Weight
in	304	316	in	Inner	Master	lb
1/2	S3714F 004	S3716F 004	0.87	30	120	0.2
3/4	S3714F 006	S3716F 006	1.00	20	80	0.4
1	S3714F 010	S3716F 010	1.12	10	40	0.6
1-1/4	S3714F 012	S3716F 012	1.31	5	20	1.0
1-1/2	S3714F 014	S3716F 014	1.43	4	16	1.5
2	S3714F 020	S3716F 020	1.68	2	8	2.0

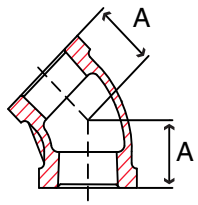


Fig. S3714T & S3716T - Tee

Size	Part Number		A	Packing		Weight
in	304	316	in	Inner	Master	lb
1/2	S3714T 004	S3716T 004	1.06	20	80	0.4
3/4	S3714T 006	S3716T 006	1.24	10	40	0.7
1	S3714T 010	S3716T 010	1.42	5	20	1.1
1-1/4	S3714T 012	S3716T 012	1.65	2	8	1.9
1-1/2	S3714T 014	S3716T 014	1.89	2	8	2.1
2	S3714T 020	S3716T 020	2.20	-	1	3.3
2-1/2	S3714T 024	S3716T 024	2.68	-	1	5.9
3	S3714T 030	S3716T 030	3.03	-	1	9.3

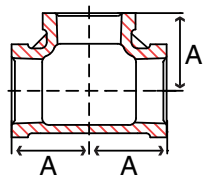


Fig. S3714U & S3716U - Union

Size	Part Number		A	B	Packing		Weight
in	304	316	in	in	Inner	Master	lb
1/2	S3714U 004	S3716U 004	1.46	1.46	20	80	0.4
3/4	S3714U 006	S3716U 006	1.56	1.81	10	40	0.5
1	S3714U 010	S3716U 010	1.85	2.05	5	20	0.9
1-1/4	S3714U 012	S3716U 012	2.05	2.52	2	8	1.3
1-1/2	S3714U 014	S3716U 014	2.19	2.76	2	8	2.0
2	S3714U 020	S3716U 020	2.50	3.39	2	8	3.0

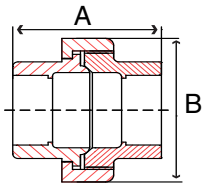


Fig. 3714RC & 3716RC - Reducing Coupling

Size	Part Number		A	Packing		Weight
in	304	316	in	Inner	Master	lb
3/4 x 1/2	S3714RC006004	S3716RC006004	1.42	15	60	0.3
1 x 1/2	S3714RC010004	S3716RC010004	1.54	15	60	0.6
1 x 3/4	S3714RC010006	S3716RC010006	1.57	15	60	0.6
1-1/4 x 1	S3714RC012010	S3716RC012010	1.77	10	40	0.7
1-1/2 x 1	S3714RC014010	S3716RC014010	1.85	10	40	0.8
1-1/2 x 1-1/4	S3714RC014012	S3716RC014012	1.93	10	40	0.8
2 x 1	S3714RC020010	S3716RC020010	1.93	2	8	1.6
2 x 1-1/2	S3714RC020014	S3716RC020014	2.01	2	8	1.6

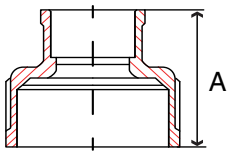
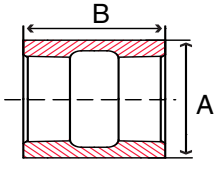


Fig. 3714CP & 3716CP - Full Coupling

Size	Part Number		A	B	Packing		Weight
in	304	316	in	in	Inner	Master	lb
1/2	S3714CP004	S3716CP004	1.20	1.38	50	200	0.1
3/4	S3714CP006	S3716CP006	1.46	1.50	35	140	0.2
1	S3714CP010	S3716CP010	1.77	1.62	15	60	0.4
1-1/4	S3714CP012	S3716CP012	2.15	2.00	10	40	0.5
1-1/2	S3714CP014	S3716CP014	2.43	2.12	10	40	0.6
2	S3714CP020	S3716CP020	2.96	2.50	2	8	1.3
2-1/2	S3714CP024	S3716CP024	3.31	2.87	-	1	2.3
3	S3714CP030	S3716CP030	4.00	3.18	-	1	3.3



Stainless Steel Bar Stock Fittings

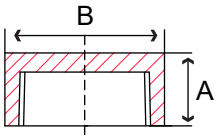
1000# Bar Stock Fittings

Specifications

- Stainless bar stock dimensions conform to MSS SP-114
- Stainless bar stock conforms to ASTM A276 Grade T304 & T316
- NPT threads conform to ASME B1.20.1
- Manufacturing facility is ISO 9001:2008 certified
- Fittings meet applicable chemical & mechanical properties

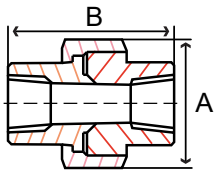
SCI ProPak™ System

Fig. S3414C & S3416C - Cap



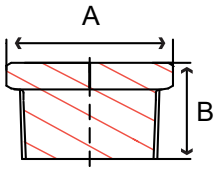
Size	Part Number		A	B	Weight
in	304	316	in	in	lb
1/8	S3414C 001BB	S3416C 001BB	0.68	0.62	0.05
1/4	S3414C 002BB	S3416C 002BB	0.68	0.74	0.07
3/8	S3414C 003BB	S3416C 003BB	0.80	0.86	0.09
1/2	S3414C 004BB	S3416C 004BB	0.93	1.05	0.1
3/4	S3414C 006BB	S3416C 006BB	1.05	1.29	0.4
1	S3414C 010BB	S3416C 010BB	1.35	1.60	0.5
1-1/4	S3414C 012BB	S3416C 012BB	1.60	1.95	0.6
1-1/2	S3414C 014BB	S3416C 014BB	1.60	2.15	0.6
2	S3414C 020BB	S3416C 020BB	1.74	2.71	1.2
2-1/2	S3414C 024BB	S3416C 024BB	2.34	3.32	3.5
3	S3414C 030BB	S3416C 030BB	2.54	4.10	6.2
4	S3414C 040BB	S3416C 040BB	2.65	5.07	9.2

Fig. S3414U & S3416U - Union



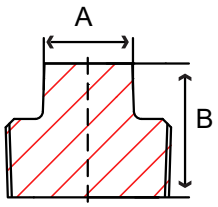
Size	Part Number		A	B	Weight
in	304	316	in	in	lb
1/8	S3414U 001BB	S3416U 001BB	1.17	1.48	0.2
1/4	S3414U 002BB	S3416U 002BB	1.17	1.48	0.2
3/8	S3414U 003BB	S3416U 003BB	1.37	1.60	0.3
1/2	S3414U 004BB	S3416U 004BB	1.48	1.91	0.4
3/4	S3414U 006BB	S3416U 006BB	1.79	1.92	0.6
1	S3414U 010BB	S3416U 010BB	2.11	2.34	0.9
1-1/4	S3414U 012BB	S3416U 012BB	2.48	2.59	1.3
1-1/2	S3414U 014BB	S3416U 014BB	2.96	2.96	2.2
2	S3414U 020BB	S3416U 020BB	3.59	3.04	2.9
2-1/2	S3414U 024BB	S3416U 024BB	4.46	3.71	5.1
3	S3414U 030BB	S3416U 030BB	5.32	4.06	8.4
4	S3414U 040BB	S3416U 040BB	6.67	4.37	11.8

Fig. S3414HP & S3416HP - Hex Head Plug



Size	Part Number		A	B	Weight
in	304	316	in	in	lb
1/8	S3414HP001BB	S3416HP001BB	0.50	0.62	0.02
1/4	S3414HP002BB	S3416HP002BB	0.56	0.74	0.07
3/8	S3414HP003BB	S3416HP003BB	0.66	0.87	0.1
1/2	S3414HP004BB	S3416HP004BB	0.75	0.92	0.1
3/4	S3414HP006BB	S3416HP006BB	0.84	1.05	0.2
1	S3414HP010BB	S3416HP010BB	1.00	1.13	0.4
1-1/4	S3414HP012BB	S3416HP012BB	1.09	1.37	0.9
1-1/2	S3414HP014BB	S3416HP014BB	1.13	1.44	1.2
2	S3414HP020BB	S3416HP020BB	1.22	1.70	2.2
2-1/2	S3414HP024BB	S3416HP024BB	1.49	1.79	2.7
3	S3414HP030BB	S3416HP030BB	1.53	1.93	5.6
4	S3414HP040BB	S3416HP040BB	1.75	2.22	10.1

Fig. S3414SP & S3416SP - Square Head Plug



Size	Part Number		A	B	Weight
in	304	316	in	in	lb
1/8	S3414SP001BB	S3416SP001BB	0.62	0.27	0.02
1/4	S3414SP002BB	S3416SP002BB	0.70	0.39	0.04
3/8	S3414SP003BB	S3416SP003BB	0.84	0.47	0.07
1/2	S3414SP004BB	S3416SP004BB	0.98	0.55	0.1
3/4	S3414SP006BB	S3416SP006BB	1.05	0.66	0.2
1	S3414SP010BB	S3416SP010BB	1.25	0.82	0.3
1-1/4	S3414SP012BB	S3416SP012BB	1.37	0.94	0.5
1-1/2	S3414SP014BB	S3416SP014BB	1.44	1.12	0.7
2	S3414SP020BB	S3416SP020BB	1.56	1.30	1.1
2-1/2	S3414SP024BB	S3416SP024BB	1.79	1.48	2.5
3	S3414SP030BB	S3416SP030BB	1.91	1.68	3.9
4	S3414SP040BB	S3416SP040BB	2.22	2.48	7.2

Fig. S3414HB & S3416HB - Hex Bushing

Size in	Part Number 304	Part Number 316	A in	B in	Weight lb
1/4 x 1/8	S3414HB002001BB	S3416HB002001BB	0.62	0.65	0.07
3/8 x 1/8	S3414HB003001BB	S3416HB003001BB	0.68	0.74	0.07
3/8 x 1/4	S3414HB003002BB	S3416HB003002BB	0.68	0.74	0.04
1/2 x 1/8	S3414HB004001BB	S3416HB004001BB	0.86	0.81	0.1
1/2 x 1/4	S3414HB004002BB	S3416HB004002BB	0.86	0.81	0.09
1/2 x 3/8	S3414HB004003BB	S3416HB004003BB	0.86	0.81	0.07
3/4 x 1/8	S3414HB006001BB	S3416HB006001BB	1.05	0.97	0.2
3/4 x 1/4	S3414HB006002BB	S3416HB006002BB	1.05	0.97	0.1
3/4 x 3/8	S3414HB006003BB	S3416HB006003BB	1.05	0.97	0.1
3/4 x 1/2	S3414HB006004BB	S3416HB006004BB	1.05	0.97	0.1
1 x 1/8	S3414HB010001BB	S3416HB010001BB	1.37	1.05	0.3
1 x 1/4	S3414HB010002BB	S3416HB010002BB	1.37	1.05	0.3
1 x 3/8	S3414HB010003BB	S3416HB010003BB	1.37	1.05	0.3
1 x 1/2	S3414HB010004BB	S3416HB010004BB	1.37	1.05	0.2
1 x 3/4	S3414HB010006BB	S3416HB010006BB	1.37	1.05	0.1
1-1/4 x 1/8	S3414HB012001BB	S3416HB012001BB	1.72	1.15	0.6
1-1/4 x 1/4	S3414HB012002BB	S3416HB012002BB	1.72	1.15	0.6
1-1/4 x 3/8	S3414HB012003BB	S3416HB012003BB	1.72	1.15	0.6
1-1/4 x 1/2	S3414HB012004BB	S3416HB012004BB	1.72	1.15	0.6
1-1/4 x 3/4	S3414HB012006BB	S3416HB012006BB	1.72	1.15	0.4
1-1/4 x 1	S3414HB012010BB	S3416HB012010BB	1.72	1.15	0.3
1-1/2x1/8	S3414HB014001BB	S3416HB014001BB	1.95	1.21	0.9
1-1/2x1/4	S3414HB014002BB	S3416HB014002BB	1.95	1.21	0.9
1-1/2x3/8	S3414HB014003BB	S3416HB014003BB	1.95	1.21	0.9
1-1/2x1/2	S3414HB014004BB	S3416HB014004BB	1.95	1.21	0.8
1-1/2x3/4	S3414HB014006BB	S3416HB014006BB	1.95	1.21	0.7
1-1/2x1	S3414HB014010BB	S3416HB014010BB	1.95	1.21	0.6
1-1/2x1-1/4	S3414HB014012BB	S3416HB014012BB	1.95	1.21	0.3
2x1/4	S3414HB020002BB	S3416HB020002BB	2.46	1.37	1.7
2x3/8	S3414HB020003BB	S3416HB020003BB	2.46	1.37	1.6
2x1/2	S3414HB020004BB	S3416HB020004BB	2.46	1.37	1.6
2x3/4	S3414HB020006BB	S3416HB020006BB	2.46	1.37	1.5
2x1	S3414HB020010BB	S3416HB020010BB	2.46	1.37	1.3
2x1-1/4	S3414HB020012BB	S3416HB020012BB	2.46	1.37	1.0
2x1-1/2	S3414HB020014BB	S3416HB020014BB	2.46	1.37	0.8
2-1/2x1/2	S3414HB024004BB	S3416HB024004BB	2.93	1.44	2.4
2-1/2x3/4	S3414HB024006BB	S3416HB024006BB	2.93	1.44	2.4
2-1/2x1	S3414HB024010BB	S3416HB024010BB	2.93	1.44	2.2
2-1/2x1-1/4	S3414HB024012BB	S3416HB024012BB	2.93	1.44	2.4
2-1/2x1-1/2	S3414HB024014BB	S3416HB024014BB	2.93	1.44	1.6
2-1/2x2	S3414HB024020BB	S3416HB024020BB	2.93	1.44	0.9
3x1	S3414HB030010BB	S3416HB030010BB	3.47	1.48	3.7
3x1-1/4	S3414HB030012BB	S3416HB030012BB	3.47	1.48	4.9
3x1-1/2	S3414HB030014BB	S3416HB030014BB	3.47	1.48	2.5
3x2	S3414HB030020BB	S3416HB030020BB	3.47	1.48	2.3
3x2-1/2	S3414HB030024BB	S3416HB030024BB	3.47	1.48	1.6
4x1	S3414HB040010BB	S3416HB040010BB	4.58	1.76	10.5
4x1-1/4	S3414HB040012BB	S3416HB040012BB	4.58	1.76	10.2
4x1-1/2	S3414HB040014BB	S3416HB040014BB	4.58	1.76	6.9
4x2	S3414HB040020BB	S3416HB040020BB	4.58	1.76	6.1
4x2-1/2	S3414HB040024BB	S3416HB040024BB	4.58	1.76	5.2
4x3	S3414HB040030BB	S3416HB040030BB	4.58	1.76	3.7

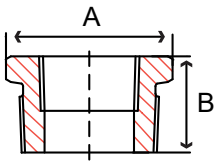
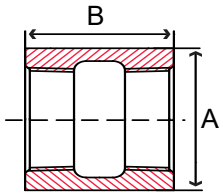


Fig. S3414CP & S3416CP - Full Coupling

Size in	Part Number 304	Part Number 316	A in	B in	Weight lb
1/8	S3414CP001BB	S3416CP001BB	0.62	1.00	0.07
1/4	S3414CP002BB	S3416CP002BB	0.74	1.00	0.09
3/8	S3414CP003BB	S3416CP003BB	0.86	1.12	0.1
1/2	S3414CP004BB	S3416CP004BB	1.05	1.38	0.2
3/4	S3414CP006BB	S3416CP006BB	1.29	1.50	0.2
1	S3414CP010BB	S3416CP010BB	1.62	1.62	0.4
1-1/4	S3414CP012BB	S3416CP012BB	1.87	2.00	0.5
1-1/2	S3414CP014BB	S3416CP014BB	2.16	2.12	0.7
2	S3414CP020BB	S3416CP020BB	2.71	2.50	1.4
2-1/2	S3414CP024BB	S3416CP024BB	3.38	2.86	2.6
3	S3414CP030BB	S3416CP030BB	3.96	3.17	3.8
4	S3414CP040BB	S3416CP040BB	5.05	3.68	6.8



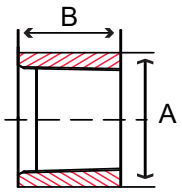


Fig. S3414HC & S3416HC - Half Coupling

Size	Part Number		A	B	Weight
in	304	316	in	in	lb
1/8	S3414HC001BB	S3416HC001BB	0.74	0.50	0.03
1/4	S3414HC002BB	S3416HC002BB	0.74	0.56	0.04
3/8	S3414HC003BB	S3416HC003BB	0.86	0.56	0.07
1/2	S3414HC004BB	S3416HC004BB	1.05	0.70	0.1
3/4	S3414HC006BB	S3416HC006BB	1.29	0.74	0.1
1	S3414HC010BB	S3416HC010BB	1.62	0.80	0.2
1-1/4	S3414HC012BB	S3416HC012BB	1.87	1.00	0.2
1-1/2	S3414HC014BB	S3416HC014BB	2.26	1.05	0.3
2	S3414HC020BB	S3416HC020BB	2.74	1.25	0.7
2-1/2	S3414HC024BB	S3416HC024BB	3.32	1.42	1.3
3	S3414HC030BB	S3416HC030BB	4.00	1.58	1.8
4	S3414HC040BB	S3416HC040BB	5.05	1.83	3.1

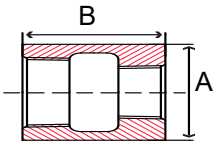
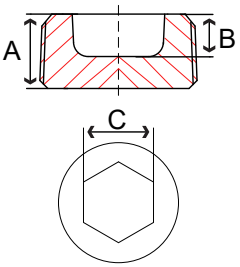


Fig. S3414RC & S3416RC - Reducing Coupling

Size	Part Number		A	B	Weight
in	304	316	in	in	lb
1/4 x 1/8	S3414RC002001BB	S3416RC002001BB	0.74	1.00	0.1
3/8 x 1/8	S3414RC003001BB	S3416RC003001BB	0.86	1.12	0.1
3/8 x 1/4	S3414RC003002BB	S3416RC003002BB	0.86	1.12	0.1
1/2 x 1/8	S3414RC004001BB	S3416RC004001BB	1.05	1.38	0.2
1/2 x 1/4	S3414RC004002BB	S3416RC004002BB	1.05	1.38	0.2
1/2 x 3/8	S3414RC004003BB	S3416RC004003BB	1.05	1.38	0.2
3/4 x 1/8	S3414RC006001BB	S3416RC006001BB	1.29	1.50	0.7
3/4 x 1/4	S3414RC006002BB	S3416RC006002BB	1.29	1.50	0.3
3/4 x 3/8	S3414RC006003BB	S3416RC006003BB	1.29	1.50	0.3
3/4 x 1/2	S3414RC006004BB	S3416RC006004BB	1.29	1.50	0.3
1 x 1/8	S3414RC010001BB	S3416RC010001BB	1.64	1.62	0.8
1 x 1/4	S3414RC010002BB	S3416RC010002BB	1.64	1.62	0.6
1 x 3/8	S3414RC010003BB	S3416RC010003BB	1.64	1.62	0.6
1 x 1/2	S3414RC010004BB	S3416RC010004BB	1.64	1.62	0.5
1 x 3/4	S3414RC010006BB	S3416RC010006BB	1.64	1.62	0.5
1-1/4 x 1/8	S3414RC012001BB	S3416RC012001BB	1.87	2.00	1.1
1-1/4 x 1/4	S3414RC012002BB	S3416RC012002BB	1.87	2.00	1.1
1-1/4 x 3/8	S3414RC012003BB	S3416RC012003BB	1.87	2.00	1.1
1-1/4 x 1/2	S3414RC012004BB	S3416RC012004BB	1.87	2.00	1.0
1-1/4 x 3/4	S3414RC012006BB	S3416RC012006BB	1.87	2.00	0.9
1-1/4 x 1	S3414RC012010BB	S3416RC012010BB	1.87	2.00	0.9
1-1/2 x 1/8	S3414RC014001BB	S3416RC014001BB	2.24	2.12	1.3
1-1/2 x 1/4	S3414RC014002BB	S3416RC014002BB	2.24	2.12	1.4
1-1/2 x 3/8	S3414RC014003BB	S3416RC014003BB	2.24	2.12	1.2
1-1/2 x 1/2	S3414RC014004BB	S3416RC014004BB	2.24	2.12	1.2
1-1/2 x 3/4	S3414RC014006BB	S3416RC014006BB	2.24	2.12	1.1
1-1/2 x 1	S3414RC014010BB	S3416RC014010BB	2.24	2.12	1.0
1-1/2 x 1-1/4	S3414RC014012BB	S3416RC014012BB	2.24	2.12	0.8
2 x 3/8	S3414RC020003BB	S3416RC020003BB	2.71	2.50	2.6
2 x 1/2	S3414RC020004BB	S3416RC020004BB	2.71	2.50	2.5
2 x 3/4	S3414RC020006BB	S3416RC020006BB	2.71	2.50	2.4
2 x 1	S3414RC020010BB	S3416RC020010BB	2.71	2.50	2.3
2 x 1-1/4	S3414RC020012BB	S3416RC020012BB	2.71	2.50	2.0
2 x 1-1/2	S3414RC020014BB	S3416RC020014BB	2.71	2.50	1.8
2-1/2 x 1-1/2	S3414RC024014BB	S3416RC024014BB	3.32	2.87	5.1
2-1/2 x 2	S3414RC024020BB	S3416RC024020BB	3.32	2.87	3.5
3 x 1	S3414RC030010BB	S3416RC030010BB	4.10	3.18	8.8
3 x 1-1/2	S3414RC030014BB	S3416RC030014BB	4.10	3.18	7.9
3 x 2	S3414RC030020BB	S3416RC030020BB	4.10	3.18	7.5
3 x 2-1/2	S3414RC030024BB	S3416RC030024BB	4.10	3.18	6.5
4 x 2	S3414RC040020BB	S3416RC040020BB	5.07	3.68	14.5
4 x 3	S3414RC040030BB	S3416RC040030BB	5.07	3.68	15.6

Fig. S3514CH & S3516CH - Short Counter Sunk Hex Plug

Size	Part Number		A	B	C	Weight
in	302 / 304*	316	in	in	in	lb
1/16	S3514CH000	S3516CH000	0.25	0.09	0.15	0.006
1/8	S3514CH001	S3516CH001	0.26	0.09	0.18	0.01
1/4	S3514CH002	S3516CH002	0.39	0.16	0.25	0.02
3/8	S3514CH003	S3516CH003	0.39	0.16	0.31	0.03
1/2	S3514CH004	S3516CH004	0.52	0.19	0.37	0.06
3/4	S3514CH006	S3516CH006	0.53	0.19	0.56	0.08
1	S3514CH010	S3516CH010	0.67	0.25	0.62	0.2
1-1/4	S3514CH012	S3516CH012	0.69	0.37	0.75	0.3
1-1/2	S3514CH014	S3516CH014	0.80	0.37	1.00	0.4
2	S3514CH020	S3516CH020	0.87	0.37	1.00	0.9



* 1/16 to 3/4 are 302 Stainless Steel 1 - 2 are 304 Stainless Steel

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Malleable Iron Threaded Fittings

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- SCI branded Class 150 fittings are UL Listed and FM Approved at 300 psi
- SCI branded Class 300 fittings are UL Listed
- Hot-dipped galvanized fittings are certified to; NSF/ANSI 372 and California AB1953 Lead Free
- Canadian Registration Numbers available at www.smithcooper.com
- Malleable castings conform to ASTM A197
- Hot-dipped galvanized fittings conform to ASTM A153
- Malleable fitting dimensions conform to ASME B16.3
- Malleable bushings, plugs and locknuts conform to ASME B16.14
- Malleable unions conform to ASME B16.39
- NPT threads on all fittings conform to ASME B1.20.1
- Independent lab verification that fittings meet applicable chemical & mechanical properties
- Manufacturing facilities are ISO 9001:2008 and ISO 14001
- SCI branded fittings are 100% air tested
- ProPak™ Packaging

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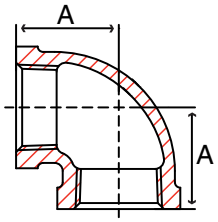
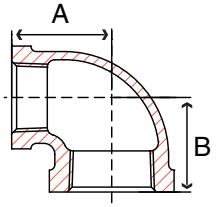
Fig. 33E 1 & 34E 1 – 90° Elbow



Size	Part Number		A	Packing		Weight
in	Black	Galvanized	in	Inner	Master	lb
1/8	33E 1001C	34E 1001C	0.69	50	800	0.1
1/4	33E 1002C	34E 1002C	0.81	35	560	0.1
3/8	33E 1003C	34E 1003C	0.95	45	360	0.2
1/2	33E 1004C	34E 1004C	1.12	50	200	0.2
3/4	33E 1006C	34E 1006C	1.31	35	140	0.3
1	33E 1010C	34E 1010C	1.50	20	80	0.6
1-1/4	33E 1012C	34E 1012C	1.75	20	40	0.9
1-1/2	33E 1014C	34E 1014C	1.94	15	30	1.2
2	33E 1020C	34E 1020C	2.25	8	16	1.8
2-1/2	33E 1024C	34E 1024C	2.70	6	12	3.1
3	33E 1030C	34E 1030C	3.08	-	7	3.9
3-1/2	33E 1034C	34E 1034C	3.42	-	4	6.6
4	33E 1040C	34E 1040C	3.79	-	3	7.5
5	33E 1050C	34E 1050C	4.50	-	2	13.2
6	33E 1060C	34E 1060C	5.13	-	1	19.8
8	33E 1080C	34E 1080C	6.38	-	1	32.0

Fig. 33RE1 & 34RE1 – 90° Reducing Elbow



Size	Part Number		A	B	Packing		Weight
in	Black	Galvanized	in	in	Inner	Master	lb
1/4 x 1/8	33RE1002001C	34RE1002001C	0.76	0.74	40	640	0.2
3/8 x 1/8	33RE1003001C	34RE1003001C	0.85	0.81	70	560	0.2
3/8 x 1/4	33RE1003002C	34RE1003002C	0.90	0.88	60	480	0.2
1/2 x 1/8	33RE1004001C	34RE1004001C	0.98	0.96	50	400	0.2
1/2 x 1/4	33RE1004002C	34RE1004002C	0.98	0.97	40	320	0.2
1/2 x 3/8	33RE1004003C	34RE1004003C	1.04	1.03	50	200	0.2
3/4 x 1/8	33RE1006001C	34RE1006001C	1.08	1.02	40	160	0.3
3/4 x 1/4	33RE1006002C	34RE1006002C	1.08	1.05	40	160	0.3
3/4 x 3/8	33RE1006003C	34RE1006003C	1.13	1.12	40	160	0.3
3/4 x 1/2	33RE1006004C	34RE1006004C	1.22	1.20	40	160	0.3
1 x 1/4	33RE1010002C	34RE1010002C	1.22	1.10	25	300	0.3
1 x 3/8	33RE1010003C	34RE1010003C	1.27	1.18	25	100	0.5
1 x 1/2	33RE1010004C	34RE1010004C	1.36	1.26	25	100	0.4
1 x 3/4	33RE1010006C	34RE1010006C	1.45	1.37	25	100	0.5
1-1/4 x 1/2	33RE1012004C	34RE1012004C	1.53	1.34	20	80	0.6
1-1/4 x 3/4	33RE1012006C	34RE1012006C	1.62	1.45	15	60	0.7
1-1/4 x 1	33RE1012010C	34RE1012010C	1.67	1.58	10	40	0.8
1-1/2 x 1/2	33RE1014004C	34RE1014004C	1.75	1.52	15	60	0.8
1-1/2 x 3/4	33RE1014006C	34RE1014006C	1.75	1.52	10	40	0.8
1-1/2 x 1	33RE1014010C	34RE1014010C	1.80	1.65	10	40	0.9
1-1/2 x 1-1/4	33RE1014012C	34RE1014012C	1.88	1.82	8	32	1.1
2 x 1/2	33RE1020004C	34RE1020004C	1.97	1.60	10	40	1.2
2 x 3/4	33RE1020006C	34RE1020006C	1.97	1.60	10	40	1.2
2 x 1	33RE1020010C	34RE1020010C	2.02	1.73	14	28	1.5
2 x 1-1/4	33RE1020012C	34RE1020012C	2.10	1.90	10	20	1.5
2 x 1-1/2	33RE1020014C	34RE1020014C	2.16	2.02	10	20	1.6
2-1/2 x 3/4	33RE1024006C	34RE1024006C	2.30	1.73	10	20	1.9
2-1/2 x 1	33RE1024010C	34RE1024010C	2.36	1.87	8	16	2.1
2-1/2 x 1-1/4	33RE1024012C	34RE1024012C	2.44	2.03	8	16	2.2
2-1/2 x 1-1/2	33RE1024014C	34RE1024014C	2.51	2.16	8	16	2.3
2-1/2 x 2	33RE1024020C	34RE1024020C	2.60	2.39	8	16	2.6
3 x 1/2	33RE1030004C	34RE1030004C	2.56	1.69	10	20	6.0
3 x 3/4	33RE1030006C	34RE1030006C	2.60	1.87	8	16	6.6
3 x 1	33RE1030010C	34RE1030010C	2.66	1.99	8	16	2.4
3 x 1-1/4	33RE1030012C	34RE1030012C	2.74	2.16	5	10	6.0
3 x 1-1/2	33RE1030014C	34RE1030014C	2.80	2.28	-	8	2.5
3 x 2	33RE1030020C	34RE1030020C	2.89	2.52	-	8	2.7
3 x 2-1/2	33RE1030024C	34RE1030024C	2.99	2.83	-	8	4.0
4 x 1-1/2	33RE1040014C	34RE1040014C	2.31	2.50	-	5	4.7
4 x 2	33RE1040020C	34RE1040020C	3.41	2.74	-	5	5.1
4 x 2-1/2	33RE1040024C	34RE1040024C	3.50	3.05	-	5	6.3
4 x 3	33RE1040030C	34RE1040030C	3.60	3.30	-	5	6.6

Fig. 33SE1 & 34SE1 – 90° Street Elbow & Fig. 33RS1 & 34RS1 – Reducing 90° Street Elbow

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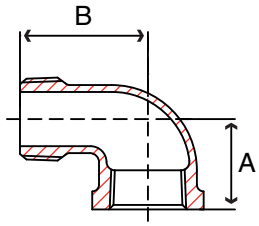
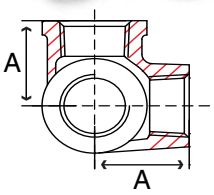


Size	Part Number		A	B	Packing		Weight
in	Black	Galvanized	in	in	Inner	Master	lb
1/8	33SE1001C	34SE1001C	0.69	1.00	60	960	0.05
1/4	33SE1002C	34SE1002C	0.81	1.19	35	560	0.1
3/8	33SE1003C	34SE1003C	0.95	1.44	40	320	0.2
1/2	33SE1004C	34SE1004C	1.12	1.61	120	240	0.2
3/4	33SE1006C	34SE1006C	1.30	1.89	70	140	0.3
1	33SE1010C	34SE1010C	1.50	2.13	40	80	0.6
1-1/4	33SE1012C	34SE1012C	1.75	2.44	25	50	0.8
1-1/2	33SE1014C	34SE1014C	1.94	2.67	8	32	1.2
2	33SE1020C	34SE1020C	2.25	3.27	8	16	2.0
2-1/2	33SE1024C	34SE1024C	2.70	3.86	-	10	3.6
3	33SE1030C	34SE1030C	3.08	4.51	-	7	4.2
4	33SE1040C	34SE1040C	3.79	5.69	-	3	9.1
6	33SE1060C	34SE1060C	5.13	8.03	-	1	23.1
Reducing 90º Street Elbow							
3/4 x 1/2	33RS1006004C	34RS1006004C	1.20	1.70	35	140	0.28
1 x 3/4	33RS1010006C	34RS1010006C	1.37	1.89	50	100	0.48
1-1/4 x 1	33RS1014010C	34RS1014010C	1.58	2.38	25	50	0.75

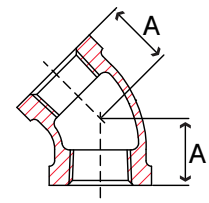
All male threads come with plastic protective caps

Fig. 33OE1 & 34OE1 – 90° Side Outlet Elbow



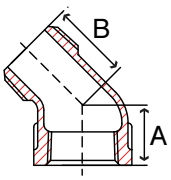
Size	Part Number		A	Packing		Weight
in	Black	Galvanized	in	Inner	Master	lb
1/8	33OE1001C	34OE1001C	0.69	45	720	0.1
1/4	33OE1002C	34OE1002C	0.81	50	400	0.2
3/8	33OE1003C	34OE1003C	0.95	50	200	0.2
1/2	33OE1004C	34OE1004C	1.12	45	180	0.2
3/4	33OE1006C	34OE1006C	1.31	20	80	0.4
1	33OE1010C	34OE1010C	1.50	20	40	0.7
1-1/4	33OE1012C	34OE1012C	1.75	15	30	1.1
1-1/2	33OE1014C	34OE1014C	1.94	12	24	1.3
2	33OE1020C	34OE1020C	2.25	-	12	2.5

Fig. 33F 1 & 34F 1 – 45° Elbow



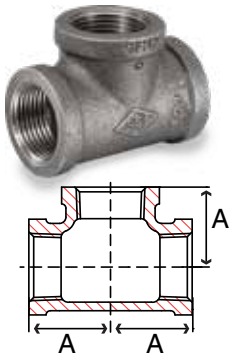
Size	Part Number		A	Packing		Weight
in	Black	Galvanized	in	Inner	Master	lb
1/8	33F 1001C	34F 1001C	0.60	50	800	0.1
1/4	33F 1002C	34F 1002C	0.73	30	480	0.1
3/8	33F 1003C	34F 1003C	0.80	50	400	0.1
1/2	33F 1004C	34F 1004C	0.88	50	200	0.2
3/4	33F 1006C	34F 1006C	0.98	40	160	0.3
1	33F 1010C	34F 1010C	1.12	20	80	0.5
1-1/4	33F 1012C	34F 1012C	1.29	20	40	0.7
1-1/2	33F 1014C	34F 1014C	1.43	8	32	1.1
2	33F 1020C	34F 1020C	1.68	12	24	1.7
2-1/2	33F 1024C	34F 1024C	1.95	-	15	2.9
3	33F 1030C	34F 1030C	2.17	-	10	3.4
4	33F 1040C	34F 1040C	2.61	-	3	6.4
5	33F 1050C	34F 1050C	3.05	-	2	12.1
6	33F 1060C	34F 1060C	3.46	-	1	15.4
8	33F 1080C	34F 1080C	4.00	-	1	26.0

Fig. 33SF1 & 34SF1 – 45° Street Elbow



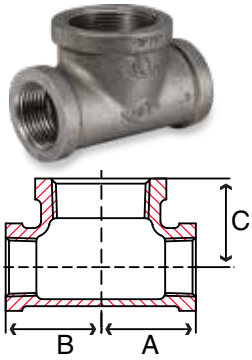
Size	Part Number		A	B	Packing		Weight
in	Black	Galvanized	in	in	Inner	Master	lb
1/8	33SF1001C	34SF1001C	0.65	0.85	70	1120	0.1
1/4	33SF1002C	34SF1002C	0.73	0.94	40	640	0.1
3/8	33SF1003C	34SF1003C	0.80	1.03	40	480	0.1
1/2	33SF1004C	34SF1004C	0.88	1.15	65	260	0.2
3/4	33SF1006C	34SF1006C	0.98	1.29	40	160	0.3
1	33SF1010C	34SF1010C	1.12	1.47	25	100	0.5
1-1/4	33SF1012C	34SF1012C	1.29	1.71	10	40	0.8
1-1/2	33SF1014C	34SF1014C	1.43	1.88	10	40	0.9
2	33SF1020C	34SF1020C	1.68	2.22	12	24	1.5
2-1/2	33SF1024C	34SF1024C	1.95	2.57	5	10	2.7
3	33SF1030C	34SF1030C	2.17	3.00	-	6	3.6
4	33SF1040C	34SF1040C	2.61	3.70	-	4	9.2

Fig. 33T 1 & 34T 1 – Tee



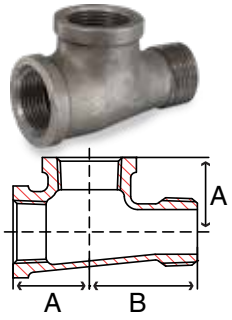
Size	Part Number		A	Packing		Weight
in	Black	Galvanized	in	Inner	Master	lb
1/8	33T 1001C	34T 1001C	0.69	80	640	0.1
1/4	33T 1002C	34T 1002C	0.81	45	360	0.1
3/8	33T 1003C	34T 1003C	0.95	25	200	0.2
1/2	33T 1004C	34T 1004C	1.12	35	140	0.3
3/4	33T 1006C	34T 1006C	1.31	20	80	0.5
1	33T 1010C	34T 1010C	1.50	25	50	0.8
1-1/4	33T 1012C	34T 1012C	1.75	14	28	1.2
1-1/2	33T 1014C	34T 1014C	1.94	12	24	1.6
2	33T 1020C	34T 1020C	2.25	-	15	2.5
2-1/2	33T 1024C	34T 1024C	2.70	-	10	4.2
3	33T 1030C	34T 1030C	3.08	-	6	6.1
3-1/2	33T 1034C	34T 1034C	3.42	-	2	9.4
4	33T 1040C	34T 1040C	3.79	-	2	9.7
5	33T 1050C	34T 1050C	4.50	-	2	15.4
6	33T 1060C	34T 1060C	5.13	-	1	26.4
8	33T 1080C	34T 1080C	6.50	-	1	50.7

Fig. 33BT1 & 34BT1 – Bull Head Tee



Size	Part Number		A	B	C	Packing		Weight
in	Black	Galvanized	in	in	in	Inner	Master	lb
1/4 x 3/8	33BT1002003C	34BT1002003C	0.90	0.90	0.88	20	240	0.3
1/2 x 3/4	33BT1004006C	34BT1004006C	1.22	1.22	1.20	25	100	0.3
1/2 x 1	33BT1004010C	34BT1004010C	1.36	1.36	1.26	40	80	0.5
3/4 x 1	33BT1006010C	34BT1006010C	1.45	1.45	1.37	15	60	0.5
3/4 x 1-1/4	33BT1006012C	34BT1006012C	1.62	1.62	1.45	20	40	0.7
1 x 1-1/4	33BT1010012C	34BT1010012C	1.67	1.67	1.58	8	32	0.9
1 x 1-1/2	33BT1010014C	34BT1010014C	1.80	1.80	1.65	15	30	1.1
1 x 2	33BT1010020C	34BT1010020C	2.02	2.02	1.73	12	24	1.2
1-1/4 x 1-1/2	33BT1012014C	34BT1012014C	1.88	1.88	1.82	10	20	1.3
1-1/4 x 2	33BT1012020C	34BT1012020C	2.10	2.10	1.90	8	16	1.8
1-1/2 x 2	33BT1014020C	34BT1014020C	2.16	2.16	2.02	8	16	1.7
2 x 2-1/2	33BT1020024C	34BT1020024C	2.60	2.60	2.39	6	12	3.0
2 x 3	33BT1020030C	34BT1020030C	2.88	2.88	2.55	-	6	4.0
2-1/2 x 3	33BT1024030C	34BT1024030C	3.00	3.00	2.83	-	6	5.8
3 x 4	33BT1030040C	34BT1030040C	3.60	3.60	3.30	-	2	8.6

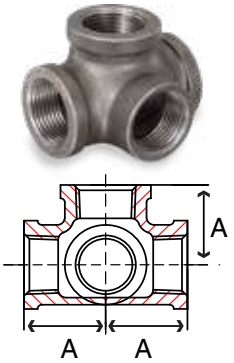
Fig. 33ST1 & 34ST1 – Service Tee



Size	Part Number		A	B	Packing		Weight
in	Black	Galvanized	in	in	Inner	Master	lb
1/2	33ST1004C	34ST1004C	1.12	1.63	40	160	0.3
3/4	33ST1006C	34ST1006C	1.31	1.89	25	100	0.5
1	33ST1010C	34ST1010C	1.50	2.14	30	60	0.8
1-1/4	33ST1012C	34ST1012C	1.75	2.45	15	30	1.2
1-1/2	33ST1014C	34ST1014C	1.94	2.69	10	20	1.7
2	33ST1020C	34ST1020C	2.25	3.26	6	12	2.0

All male threads come with plastic protective caps

Fig. 33OT1 & 34OT1 – Side Outlet Tee



Size	Part Number		A	Packing		Weight
in	Black	Galvanized	in	Inner	Master	lb
1/2	33OT1004C	34OT1004C	1.12	20	80	0.2
3/4	33OT1006C	34OT1006C	1.31	15	60	0.6
1	33OT1010C	34OT1010C	1.50	20	40	0.9
1-1/4	33OT1012C	34OT1012C	1.75	12	24	1.1
1-1/2	33OT1014C	34OT1014C	1.94	8	16	1.4
2	33OT1020C	34OT1020C	2.25	-	10	2.7

Fig. 33X 1 & 34X 1 – Cross

Size	Part Number		A	Packing		Weight
in	Black	Galvanized	in	Inner	Master	lb
1/8	33X 1001C	34X 1001C	0.69	20	320	0.2
1/4	33X 1002C	34X 1002C	0.81	40	320	0.2
3/8	33X 1003C	34X 1003C	0.95	40	160	0.3
1/2	33X 1004C	34X 1004C	1.12	30	120	0.3
3/4	33X 1006C	34X 1006C	1.31	20	80	0.6
1	33X 1010C	34X 1010C	1.50	20	40	1.1
1-1/4	33X 1012C	34X 1012C	1.75	-	20	1.4
1-1/2	33X 1014C	34X 1014C	1.94	-	18	1.9
2	33X 1020C	34X 1020C	2.25	-	10	2.8
2-1/2	33X 1024C	34X 1024C	2.70	-	6	5.0
3	33X 1030C	34X 1030C	3.08	-	4	7.3
4	33X 1040C	34X 1040C	3.79	-	2	12.6

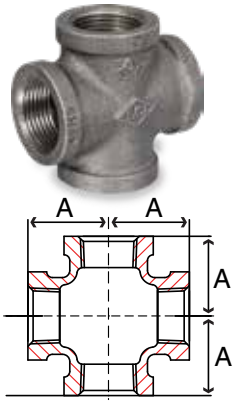


Fig. 33C 1 & 34C 1 – Cap

Size	Part Number		A	Packing		Weight
in	Black	Galvanized	in	Inner	Master	lb
1/8	33C 1001C	34C 1001C	0.53	120	1920	0.05
1/4	33C 1002C	34C 1002C	0.63	80	1280	0.05
3/8	33C 1003C	34C 1003C	0.74	60	720	0.1
1/2	33C 1004C	34C 1004C	0.87	75	600	0.1
3/4	33C 1006C	34C 1006C	0.97	40	320	0.2
1	33C 1010C	34C 1010C	1.16	25	200	0.3
1-1/4	33C 1012C	34C 1012C	1.28	25	100	0.5
1-1/2	33C 1014C	34C 1014C	1.33	25	100	0.6
2	33C 1020C	34C 1020C	1.45	15	60	1.1
2-1/2	33C 1024C	34C 1024C	1.70	20	40	1.6
3	33C 1030C	34C 1030C	1.80	12	24	2.2
3-1/2	33C 1034C	34C 1034C	1.90	6	12	3.5
4	33C 1040C	34C 1040C	2.08	-	12	3.9
5	33C 1050C	34C 1050C	2.32	-	10	5.6
6	33C 1060C	34C 1060C	2.55	-	5	8.8
8	33C 1080C	34C 1080C	3.20	-	4	17.0

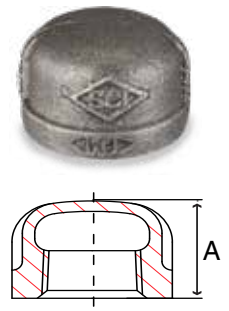
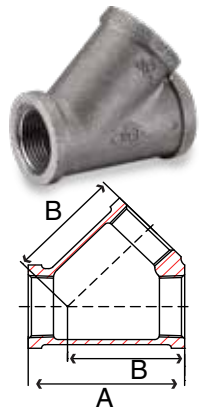


Fig. 33EP1 & 34EP1 – Extension Piece

Size	Part Number		A	Packing		Weight
in	Black	Galvanized	in	Inner	Master	lb
1/2	33EP1004C	34EP1004C	1.72	50	400	0.2
3/4	33EP1006C	34EP1006C	1.82	40	160	0.2
1	33EP1010C	34EP1010C	2.20	30	120	0.3
1-1/4	33EP1012C	34EP1012C	2.60	30	60	0.6
1-1/2	33EP1014C	34EP1014C	2.65	20	40	0.8
2	33EP1020C	34EP1020C	2.85	15	30	0.9

Fig. 33LT1 & 34LT1 – Lateral

Size	Part Number		A	B	Packing		Weight
in	Black	Galvanized	in	in	Inner	Master	lb
1/2	33LT1004C	34LT1004C	2.32	1.71	30	120	0.3
3/4	33LT1006C	34LT1006C	2.77	2.05	40	80	0.6
1	33LT1010C	34LT1010C	3.28	2.43	20	40	0.9
1-1/4	33LT1012C	34LT1012C	3.94	2.92	12	24	1.4
1-1/2	33LT1014C	34LT1014C	4.38	3.28	10	20	2.0
2	33LT1020C	34LT1020C	5.17	3.93	5	10	3.1
2-1/2	33LT1024C	34LT1024C	6.25	4.73	-	4	8.2
3	33LT1030C	34LT1030C	7.26	5.55	-	2	16.1
4	33LT1040C	34LT1040C	8.98	6.97	-	2	20.0



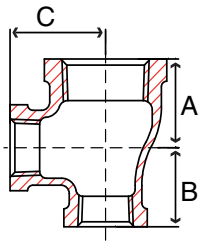


Fig. 33RT1 & 34RT1 – Reducing Tee

Size	Part Number		A	B	C	Packing		Weight
in	Black	Galvanized	in	in	in	Inner	Master	lb
3/8 x 1/8	33RT1003001C	34RT1003001C	0.81	0.81	0.86	60	240	0.2
3/8 x 1/4	33RT1003002C	34RT1003002C	0.81	0.81	0.86	40	160	0.2
1/2 x 1/8	33RT1004001C	34RT1004001C	0.91	0.91	0.97	20	480	0.3
1/2 x 1/4	33RT1004002C	34RT1004002C	0.97	0.97	0.98	20	160	0.2
1/2 x 1/4 x 1/2	33RT1004002004C	34RT1004002004C	1.12	0.97	1.12	20	160	0.2
1/2 x 3/8	33RT1004003C	34RT1004003C	1.04	1.04	1.03	20	160	0.2
1/2 x 3/8 x 1/2	33RT1004003004C	34RT1004003004C	1.12	1.03	1.12	20	160	0.2
3/4 x 1/4	33RT1006002C	34RT1006002C	1.12	1.12	1.12	25	100	0.3
3/4 x 3/8	33RT1006003C	34RT1006003C	1.12	1.12	1.13	25	100	0.4
3/4 x 3/8 x 3/4	33RT1006003006C	34RT1006003006C	1.31	1.13	1.31	25	100	0.4
3/4 x 1/2	33RT1006004C	34RT1006004C	1.20	1.20	1.22	20	80	0.4
3/4 x 1/2 x 1/2	33RT1006004004C	34RT1006004004C	1.20	1.12	1.22	25	100	0.3
3/4 x 1/2 x 3/4	33RT1006004006C	34RT1006004006C	1.31	1.22	1.31	20	80	0.4
3/4 x 1/2 x 1	33RT1006004010C	34RT1006004010C	1.45	1.36	1.37	18	72	0.5
1 x 1/4	33RT1010002C	34RT1010002C	1.12	1.12	1.25	20	80	0.5
1 x 3/8	33RT1010003C	34RT1010003C	1.18	1.18	1.27	15	60	0.5
1 x 1/2	33RT1010004C	34RT1010004C	1.26	1.26	1.36	15	60	0.6
1 x 1/2 x 1/2	33RT1010004004C	34RT1010004004C	1.26	1.12	1.36	20	80	0.6
1 x 1/2 x 3/4	33RT1010004006C	34RT1010004006C	1.37	1.22	1.45	20	80	0.6
1 x 1/2 x 1	33RT1010004010C	34RT1010004010C	1.50	1.36	1.50	15	60	0.7
1 x 3/4	33RT1010006C	34RT1010006C	1.38	1.31	1.45	12	48	0.7
1 x 3/4 x 1/2	33RT1010006004C	34RT1010006004C	1.26	1.20	1.36	20	80	0.6
1 x 3/4 x 3/4	33RT1010006006C	34RT1010006006C	1.38	1.31	1.45	15	60	0.6
1 x 3/4 x 1	33RT1010006010C	34RT1010006010C	1.50	1.45	1.50	15	60	0.7
1-1/4 x 3/8	33RT1012003C	34RT1012003C	1.26	1.26	1.44	20	40	0.8
1-1/4 x 1/2	33RT1012004C	34RT1012004C	1.34	1.34	1.53	20	40	0.8
1-1/4 x 1/2 x 1/2	33RT1012004004C	34RT1012004004C	1.36	1.12	1.53	25	50	0.6
1-1/4 x 1/2 x 3/4	33RT1012004006C	34RT1012004006C	1.45	1.26	1.53	25	50	0.7
1-1/4 x 1/2 x 1	33RT1012004010C	34RT1012004010C	1.58	1.36	1.67	20	40	0.8
1-1/4 x 1/2 x 1-1/4	33RT1012004012C	34RT1012004012C	1.75	1.53	1.75	20	40	1.1
1-1/4 x 3/4	33RT1012006C	34RT1012006C	1.45	1.45	1.62	20	40	0.9
1-1/4 x 3/4 x 1/2	33RT1012006004C	34RT1012006004C	1.34	1.12	1.53	10	40	0.7
1-1/4 x 3/4 x 3/4	33RT1012006006C	34RT1012006006C	1.45	1.31	1.62	10	40	0.9
1-1/4 x 3/4 x 1	33RT1012006010C	34RT1012006010C	1.58	1.45	1.67	10	40	0.9
1-1/4 x 3/4 x 1-1/4	33RT1012006012C	34RT1012006012C	1.75	1.62	1.75	10	40	1.1
1-1/4 x 1	33RT1012010C	34RT1012010C	1.58	1.58	1.67	20	40	1.0
1-1/4 x 1 x 1/2	33RT1012010004C	34RT1012010004C	1.34	1.26	1.53	20	40	0.8
1-1/4 x 1 x 3/4	33RT1012010006C	34RT1012010006C	1.45	1.38	1.63	20	40	1.0
1-1/4 x 1 x 1	33RT1012010010C	34RT1012010010C	1.58	1.50	1.69	20	40	0.9
1-1/4 x 1 x 1-1/4	33RT1012010012C	34RT1012010012C	1.75	1.69	1.75	20	40	1.1
1-1/2 x 3/8	33RT1014003C	34RT1014003C	1.36	1.36	1.66	18	36	1.0
1-1/2 x 1/2	33RT1014004C	34RT1014004C	1.41	1.41	1.66	18	36	1.0
1-1/2 x 1/2 x 1/2	33RT1014004004C	34RT1014004004C	1.35	1.08	1.67	12	48	0.7
1-1/2 x 1/2 x 3/4	33RT1014004006C	34RT1014004006C	1.56	1.18	1.80	12	48	1.1
1-1/2 x 1/2 x 1	33RT1014004010C	34RT1014004010C	1.65	1.35	1.80	18	36	1.0
1-1/2 x 1/2 x 1-1/4	33RT1014004012C	34RT1014004012C	1.81	1.56	1.88	15	30	1.1
1-1/2 x 1/2 x 1-1/2	33RT1014004014C	34RT1014004014C	1.94	1.66	1.94	12	24	1.1
1-1/2 x 3/4	33RT1014006C	34RT1014006C	1.52	1.52	1.75	15	30	1.0
1-1/2 x 3/4 x 1/2	33RT1014006004C	34RT1014006004C	1.35	1.12	1.77	15	30	1.1
1-1/2 x 3/4 x 3/4	33RT1014006006C	34RT1014006006C	1.55	1.35	1.77	15	30	1.1
1-1/2 x 3/4 x 1	33RT1014006010C	34RT1014006010C	1.82	1.35	1.88	15	30	1.0
1-1/2 x 3/4 x 1-1/4	33RT1014006012C	34RT1014006012C	1.94	1.66	1.88	12	24	1.1
1-1/2 x 3/4 x 1-1/2	33RT1014006014C	34RT1014006014C	1.94	1.75	1.94	12	24	1.3
1-1/2 x 1	33RT1014010C	34RT1014010C	1.65	1.65	1.80	15	30	1.2
1-1/2 x 1 x 1/2	33RT1014010004C	34RT1014010004C	1.44	1.25	1.69	15	30	0.8
1-1/2 x 1 x 3/4	33RT1014010006C	34RT1014010006C	1.50	1.44	1.75	15	30	1.0
1-1/2 x 1 x 1	33RT1014010010C	34RT1014010010C	1.65	1.50	1.80	15	30	1.1
1-1/2 x 1 x 1-1/4	33RT1014010012C	34RT1014010012C	1.82	1.67	1.88	12	24	1.2

Fig. 33RT1 & 34RT1 – Reducing Tee, cont.

Size	Part Number		A	B	C	Packing		Weight
in	Black	Galvanized	in	in	in	Inner	Master	lb
1-1/2 x 1 x 1-1/2	33RT1014010014C	34RT1014010014C	1.94	1.80	1.94	12	24	1.5
1-1/2 x 1-1/4	33RT1014012C	34RT1014012C	1.82	1.82	1.88	12	24	1.4
1-1/2 x 1-1/4 x 1/2	33RT1014012004C	34RT1014012004C	1.41	1.34	1.66	12	24	0.9
1-1/2 x 1-1/4 x 3/4	33RT1014012006C	34RT1014012006C	1.52	1.45	1.75	12	24	1.1
1-1/2 x 1-1/4 x 1	33RT1014012010C	34RT1014012010C	1.65	1.58	1.80	12	24	1.2
1-1/2 x 1-1/4 x 1-1/4	33RT1014012012C	34RT1014012012C	1.82	1.75	1.88	12	24	1.4
1-1/2 x 1-1/4 x 1-1/2	33RT1014012014C	34RT1014012014C	1.94	1.88	1.94	12	24	1.4
1-1/2 x 1-1/4 x 2	33RT1014012020C	34RT1014012020C	2.16	2.10	2.02	8	16	1.9
2 x 3/8	33RT1020003C	34RT1020003C	1.49	1.49	1.88	10	40	1.6
2 x 1/2	33RT1020004C	34RT1020004C	1.49	1.49	1.88	10	20	1.3
2 x 1/2 x 2	33RT1020004020C	34RT1020004020C	2.25	1.88	2.25	8	16	2.0
2 x 3/4	33RT1020006C	34RT1020006C	1.60	1.60	1.97	10	20	1.6
2 x 3/4 x 3/4	33RT1020006006C	34RT1020006006C	1.65	1.31	1.92	12	24	1.5
2 x 3/4 x 2	33RT1020006020C	34RT1020006020C	2.25	1.97	2.25	8	16	2.1
2 x 1	33RT1020010C	34RT1020010C	1.73	1.73	2.02	10	20	1.7
2 x 1 x 1	33RT1020010010C	34RT1020010010C	1.78	1.45	2.08	12	24	1.7
2 x 1 x 1-1/4	33RT1020010012C	34RT1020010012C	1.90	1.75	2.10	10	20	1.6
2 x 1 x 1-1/2	33RT1020010014C	34RT1020010014C	2.10	1.88	2.18	10	20	1.5
2 x 1 x 2	33RT1020010020C	34RT1020010020C	2.25	2.02	2.25	8	16	2.0
2 x 1-1/4	33RT1020012C	34RT1020012C	1.90	1.90	2.10	8	16	1.9
2 x 1-1/4 x 1	33RT1020012010C	34RT1020012010C	1.78	1.65	2.10	10	20	1.5
2 x 1-1/4 x 1-1/4	33RT1020012012C	34RT1020012012C	1.90	1.75	2.10	8	16	1.5
2 x 1-1/4 x 1-1/2	33RT1020012014C	34RT1020012014C	2.00	1.88	2.18	8	16	1.9
2 x 1-1/4 x 2	33RT1020012020C	34RT1020012020C	2.25	2.10	2.25	8	16	2.6
2 x 1-1/2	33RT1020014C	34RT1020014C	2.02	2.02	2.16	8	16	1.9
2 x 1-1/2 x 3/4	33RT1020014006C	34RT1020014006C	1.60	1.52	1.97	10	20	1.6
2 x 1-1/2 x 1	33RT1020014010C	34RT1020014010C	1.73	1.65	2.02	10	20	1.5
2 x 1-1/2 x 1-1/4	33RT1020014012C	34RT1020014012C	1.90	1.82	2.10	8	16	1.8
2 x 1-1/2 x 1-1/2	33RT1020014014C	34RT1020014014C	2.02	1.94	2.16	8	16	1.9
2 x 1-1/2 x 2	33RT1020014020C	34RT1020014020C	2.25	2.16	2.25	8	16	2.6
2-1/2 x 1/2	33RT1024004C	34RT1024004C	1.65	1.65	2.27	-	16	2.4
2-1/2 x 3/4	33RT1024006C	34RT1024006C	1.74	1.74	2.32	-	16	2.4
2-1/2 x 1	33RT1024010C	34RT1024010C	1.87	1.87	2.37	-	16	3.2
2-1/2 x 1-1/4	33RT1024012C	34RT1024012C	2.04	2.04	2.45	-	10	3.1
2-1/2 x 1-1/2	33RT1024014C	34RT1024014C	2.16	2.16	2.51	-	10	3.5
2-1/2 x 1-1/2 x 1-1/2	33RT1024014014C	34RT1024014014C	2.16	1.97	2.51	-	10	2.7
2-1/2 x 1-1/2 x 2	33RT1024014020C	34RT1024014020C	2.39	2.16	2.60	-	10	2.8
2-1/2 x 1-1/2 x 2-1/2	33RT1024014024C	34RT1024014024C	2.70	2.51	2.70	-	10	3.8
2-1/2 x 2	33RT1024020C	34RT1024020C	2.39	2.39	2.60	-	10	4.0
2-1/2 x 2 x 2	33RT1024020020C	34RT1024020020C	2.39	2.25	2.60	-	10	3.7
2-1/2 x 2 x 2-1/2	33RT1024020024C	34RT1024020024C	2.70	2.60	2.70	-	10	3.9
3 x 1/2	33RT1030004C	34RT1030004C	1.80	1.80	2.57	6	12	2.4
3 x 3/4	33RT1030006C	34RT1030006C	1.87	1.87	2.61	-	6	2.4
3 x 1	33RT1030010C	34RT1030010C	2.00	2.00	2.66	-	6	2.6
3 x 1-1/4	33RT1030012C	34RT1030012C	2.17	2.17	2.74	-	6	2.4
3 x 1-1/2	33RT1030014C	34RT1030014C	2.29	2.29	2.80	-	6	2.5
3 x 2	33RT1030020C	34RT1030020C	2.52	2.52	2.89	-	6	2.7
3 x 2 x 2	33RT1030020020C	34RT1030020020C	2.52	2.25	2.89	-	6	4.0
4 x 1/2	33RT1040004C	34RT1040004C	2.03	2.03	3.25	-	4	5.1
4 x 3/4	33RT1040006C	34RT1040006C	2.25	2.25	3.25	-	4	5.4
4 X 1-1/4	33RT1040012C	34RT1040012C	2.41	2.41	3.32	-	4	6.9
4 x 1-1/2	33RT1040014C	34RT1040014C	2.51	2.51	3.32	-	4	7.1
4 x 2	33RT1040020C	34RT1040020C	2.74	2.74	3.41	-	3	7.7
4 x 2-1/2	33RT1040024C	34RT1040024C	3.05	3.05	3.51	-	3	8.6
4 x 3	33RT1040030C	34RT1040030C	3.30	3.30	3.60	-	3	9.5
6 x 2	33RT1060020C	34RT1060020C	3.08	3.08	4.56	-	1	16.4
6 x 2-1/2	33RT1060024C	34RT1060024C	3.39	3.39	4.66	-	1	18.0
6 x 3	33RT1060030C	34RT1060030C	3.64	3.64	4.75	-	1	19.3
6 x 4	33RT1060040C	34RT1060040C	4.13	4.13	4.94	-	1	21.5
6 x 5	33RT1060050C	34RT1060050C	4.53	4.53	5.50	-	1	30.0

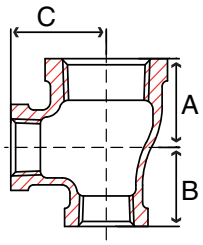
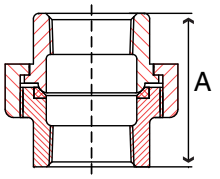
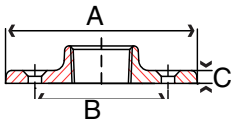


Fig. 33U 1 & 34U 1 – Union with Brass Seat



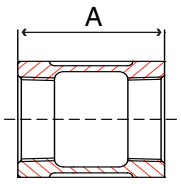
Size	Part Number		A	Packing		Weight
in	Black	Galvanized	in	Inner	Master	lb
1/8	33U 1001C	34U 1001C	1.32	30	480	0.1
1/4	33U 1002C	34U 1002C	1.44	20	240	0.2
3/8	33U 1003C	34U 1003C	1.61	20	160	0.3
1/2	33U 1004C	34U 1004C	1.72	40	160	0.4
3/4	33U 1006C	34U 1006C	2.02	40	80	0.5
1	33U 1010C	34U 1010C	2.19	30	60	0.9
1-1/4	33U 1012C	34U 1012C	2.26	20	40	1.3
1-1/2	33U 1014C	34U 1014C	2.47	15	30	2.2
2	33U 1020C	34U 1020C	2.75	10	20	3.3
2-1/2	33U 1024C	34U 1024C	3.25	-	10	4.8
3	33U 1030C	34U 1030C	3.54	-	7	6.8
4	33U 1040C	34U 1040C	3.85	-	4	12.2

Fig. 33FF1 & 34FF1 – Floor Flange



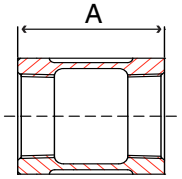
Size	Part Number		A	B	C	Packing		Weight
in	Black	Galvanized	in	in	in	Inner	Master	lb
1/4	33FF1002C	34FF1002C	2.83	2.00	0.31	50	200	0.2
3/8	33FF1003C	34FF1003C	2.75	1.90	0.26	50	200	0.2
1/2	33FF1004C	34FF1004C	3.00	2.10	0.36	50	200	0.3
3/4	33FF1006C	34FF1006C	3.40	2.40	0.26	30	120	0.4
1	33FF1010C	34FF1010C	3.80	2.80	0.26	20	80	0.5
1-1/4	33FF1012C	34FF1012C	4.20	3.20	0.28	15	60	0.9
1-1/2	33FF1014C	34FF1014C	4.60	3.45	0.30	12	48	1.3
2	33FF1020C	34FF1020C	5.20	4.00	0.30	8	32	2.2
2-1/2	33FF1024C	34FF1024C	6.75	5.00	0.37	6	12	3.3
3	33FF1030C	34FF1030C	7.88	6.00	0.45	5	10	4.8
4	33FF1040C	34FF1040C	9.50	7.00	0.45	-	10	6.8

Fig. 33CP1 & 34CP1 – Banded Coupling



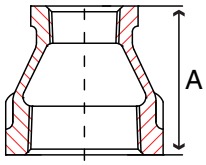
Size	Part Number		A	Packing		Weight
in	Black	Galvanized	in	Inner	Master	lb
1/8	33CP1001C	34CP1001C	0.96	70	1120	0.05
1/4	33CP1002C	34CP1002C	1.06	40	640	0.1
3/8	33CP1003C	34CP1003C	1.16	40	480	0.1
1/2	33CP1004C	34CP1004C	1.34	40	320	0.2
3/4	33CP1006C	34CP1006C	1.52	50	200	0.3
1	33CP1010C	34CP1010C	1.67	25	100	0.4
1-1/4	33CP1012C	34CP1012C	1.93	20	80	0.6
1-1/2	33CP1014C	34CP1014C	2.15	12	48	0.8
2	33CP1020C	34CP1020C	2.53	12	24	1.3
2-1/2	33CP1024C	34CP1024C	2.88	8	16	2.2
3	33CP1030C	34CP1030C	3.18	8	16	2.8
3-1/2	33CP1034C	34CP1034C	3.50	-	8	3.5
4	33CP1040C	34CP1040C	3.69	-	6	4.6
5	33CP1050C	34CP1050C	3.75	-	3	8.4
6	33CP1060C	34CP1060C	4.75	-	3	11.0

Fig. 33RL1 & 34RL1 – Right and Left Coupling



Size	Part Number		A	Packing		Weight
in	Black	Galvanized	in	Inner	Master	lb
1/2	33RL1004C	34RL1004C	1.34	40	320	0.2
3/4	33RL1006C	34RL1006C	1.52	50	200	0.3
1	33RL1010C	34RL1010C	1.67	25	100	0.4
1-1/4	33RL1012C	34RL1012C	1.93	20	80	0.6
1-1/2	33RL1014C	34RL1014C	2.15	12	48	0.8
2	33RL1020C	34RL1020C	2.53	12	24	1.3

Fig. 33RC1 & 34RC1 – Reducing Coupling



Size	Part Number		A	Packing		Weight
in	Black	Galvanized	in	Inner	Master	lb
1/4 x 1/8	33RC1002001C	34RC1002001C	1.00	50	600	0.1
3/8 x 1/8	33RC1003001C	34RC1003001C	1.13	35	420	0.1
3/8 x 1/4	33RC1003002C	34RC1003002C	1.13	30	360	0.1
1/2 x 1/8	33RC1004001C	34RC1004001C	1.25	50	400	0.1
1/2 x 1/4	33RC1004002C	34RC1004002C	1.25	50	400	0.1
1/2 x 3/8	33RC1004003C	34RC1004003C	1.25	40	320	0.1
3/4 x 1/8	33RC1006001C	34RC1006001C	1.44	35	280	0.2
3/4 x 1/4	33RC1006002C	34RC1006002C	1.44	30	240	0.2
3/4 x 3/8	33RC1006003C	34RC1006003C	1.44	60	240	0.2
3/4 x 1/2	33RC1006004C	34RC1006004C	1.44	60	240	0.2
1 x 1/4	33RC1010002C	34RC1010002C	1.69	45	180	0.3
1 x 3/8	33RC1010003C	34RC1010003C	1.69	30	120	0.3
1 x 1/2	33RC1010004C	34RC1010004C	1.69	30	120	0.3
1 x 3/4	33RC1010006C	34RC1010006C	1.69	25	100	0.4
1-1/4 x 3/8	33RC1012003C	34RC1012003C	2.06	25	100	0.5
1-1/4 x 1/2	33RC1012004C	34RC1012004C	2.06	25	100	0.5
1-1/4 x 3/4	33RC1012006C	34RC1012006C	2.06	25	100	0.5
1-1/4 x 1	33RC1012010C	34RC1012010C	2.06	15	60	0.5
1-1/2 x 3/8	33RC1014003C	34RC1014003C	2.31	15	60	0.6
1-1/2 x 1/2	33RC1014004C	34RC1014004C	2.31	15	60	0.6
1-1/2 x 3/4	33RC1014006C	34RC1014006C	2.31	15	60	0.6
1-1/2 x 1	33RC1014010C	34RC1014010C	2.31	15	60	0.7
1-1/2 x 1-1/4	33RC1014012C	34RC1014012C	2.31	12	48	0.7
2 x 3/8	33RC1020003C	34RC1020003C	2.81	14	56	0.9
2 x 1/2	33RC1020004C	34RC1020004C	2.81	12	48	0.9
2 x 3/4	33RC1020006C	34RC1020006C	2.81	12	48	1.0
2 x 1	33RC1020010C	34RC1020010C	2.81	12	48	1.0
2 x 1-1/4	33RC1020012C	34RC1020012C	2.81	14	28	1.0
2 x 1-1/2	33RC1020014C	34RC1020014C	2.81	12	24	1.0
2-1/2 x 1/2	33RC1024004C	34RC1024004C	3.25	-	25	1.5
2-1/2 x 3/4	33RC1024006C	34RC1024006C	3.25	-	25	1.5
2-1/2 x 1	33RC1024010C	34RC1024010C	3.25	-	25	1.6
2-1/2 x 1-1/4	33RC1024012C	34RC1024012C	3.25	-	25	1.7
2-1/2 x 1-1/2	33RC1024014C	34RC1024014C	3.25	-	25	1.7
2-1/2 x 2	33RC1024020C	34RC1024020C	3.25	-	25	1.8
3 x 1/2	33RC1030004C	34RC1030004C	3.69	-	20	2.0
3 x 3/4	33RC1030006C	34RC1030006C	3.69	-	20	2.4
3 x 1	33RC1030010C	34RC1030010C	3.69	-	20	2.2
3 x 1-1/4	33RC1030012C	34RC1030012C	3.69	-	20	2.0
3 x 1-1/2	33RC1030014C	34RC1030014C	3.69	-	20	2.2
3 x 2	33RC1030020C	34RC1030020C	3.69	-	18	2.4
3 x 2-1/2	33RC1030024C	34RC1030024C	3.69	-	12	2.5
4 x 1/2	33RC1040004C	34RC1040004C	4.38	-	10	4.0
4 x 3/4	33RC1040006C	34RC1040006C	4.38	-	10	4.0
4 x 1	33RC1040010C	34RC1040010C	4.38	-	10	3.7
4 x 1-1/4	33RC1040012C	34RC1040012C	4.38	-	10	3.7
4 x 1-1/2	33RC1040014C	34RC1040014C	4.38	-	10	4.4
4 x 2	33RC1040020C	34RC1040020C	4.38	-	10	4.4
4 x 2-1/2	33RC1040024C	34RC1040024C	4.38	-	10	4.0
4 x 3	33RC1040030C	34RC1040030C	4.38	-	8	4.2
5 x 2	33RC1050020C	34RC1050020C	3.87	-	4	7.2
5 x 2-1/2	33RC1050024C	34RC1050024C	3.87	-	4	5.5
5 x 3	33RC1050030C	34RC1050030C	3.87	-	4	7.8
5 x 4	33RC1050040C	34RC1050040C	4.86	-	4	9.8
6 x 2	33RC1060020C	34RC1060020C	4.20	-	4	7.5
6 x 2-1/2	33RC1060024C	34RC1060024C	4.20	-	4	7.5
6 x 3	33RC1060030C	34RC1060030C	4.20	-	4	7.9
6 x 4	33RC1060040C	34RC1060040C	4.20	-	3	9.9
6 x 5	33RC1060050C	34RC1060050C	4.20	-	3	8.7
8 x 6	33RC1080060C	34RC1080060C	5.25	-	2	17.1

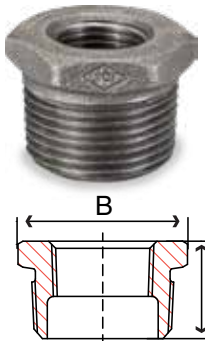


Fig. 33HB1 & 34HB1 – Hex Bushing

Size	Part Number		A	B	Hex	Packing		Weight
in	Black	Galvanized	in	in		Inner	Master	lb
1/4 x 1/8	33HB1002001C	34HB1002001C	0.61	.066	Out	120	1920	0.05
3/8 x 1/8	33HB1003001C	34HB1003001C	0.81	0.73	Out	75	1200	0.05
3/8 x 1/4	33HB1003002C	34HB1003002C	0.81	0.73	Out	75	1200	0.05
1/2 x 1/8	33HB1004001C	34HB1004001C	0.95	0.88	Out	100	800	0.1
1/2 x 1/4	33HB1004002C	34HB1004002C	0.95	0.88	Out	100	800	0.1
1/2 x 3/8	33HB1004003C	34HB1004003C	0.95	0.88	Out	100	800	0.1
3/4 x 1/8	33HB1006001C	34HB1006001C	0.95	1.18	Out	40	320	0.2
3/4 x 1/4	33HB1006002C	34HB1006002C	1.05	1.18	Out	40	320	0.2
3/4 x 3/8	33HB1006003C	34HB1006003C	1.05	1.18	Out	40	320	0.2
3/4 x 1/2	33HB1006004C	34HB1006004C	1.05	1.18	Out	40	320	0.2
1 x 1/8	33HB1010001C	34HB1010001C	1.12	1.15	In	30	240	0.2
1 x 1/4	33HB1010002C	34HB1010002C	1.12	1.15	In	30	240	0.2
1 x 3/8	33HB1010003C	34HB1010003C	1.16	1.40	Out	30	240	0.2
1 x 1/2	33HB1010004C	34HB1010004C	1.16	1.40	Out	30	240	0.2
1 x 3/4	33HB1010006C	34HB1010006C	1.18	1.40	Out	30	240	0.2
1-1/4 x 1/4	33HB1012002C	34HB1012002C	1.16	1.15	In	30	120	0.4
1-1/4 x 3/8	33HB1012003C	34HB1012003C	1.20	1.15	In	30	120	0.4
1-1/4 x 1/2	33HB1012004C	34HB1012004C	1.25	1.38	In	30	120	0.4
1-1/4 x 3/4	33HB1012006C	34HB1012006C	1.25	1.80	Out	30	120	0.3
1-1/4 x 1	33HB1012010C	34HB1012010C	1.25	1.80	Out	30	120	0.3
1-1/2 x 1/8	33HB1014001C	34HB1014001C	1.30	1.18	In	25	100	0.4
1-1/2 x 1/4	33HB1014002C	34HB1014002C	1.30	1.18	In	25	100	0.6
1-1/2 x 3/8	33HB1014003C	34HB1014003C	1.30	1.18	In	25	100	0.6
1-1/2 x 1/2	33HB1014004C	34HB1014004C	1.30	1.40	In	25	100	0.5
1-1/2 x 3/4	33HB1014006C	34HB1014006C	1.30	1.66	In	25	100	0.5
1-1/2 x 1	33HB1014010C	34HB1014010C	1.30	1.95	Out	25	100	0.5
1-1/2 x 1-1/4	33HB1014012C	34HB1014012C	1.30	1.95	Out	25	100	0.3
2 x 1/4	33HB1020002C	34HB1020002C	1.40	1.18	In	20	80	0.7
2 x 3/8	33HB1020003C	34HB1020003C	1.40	1.18	In	20	80	0.8
2 x 1/2	33HB1020004C	34HB1020004C	1.50	1.37	In	20	80	0.9
2 x 3/4	33HB1020006C	34HB1020006C	1.50	1.68	In	20	80	0.9
2 x 1	33HB1020010C	34HB1020010C	1.50	1.97	In	20	80	0.8
2 x 1-1/4	33HB1020012C	34HB1020012C	1.50	2.55	Out	20	80	0.7
2 x 1-1/2	33HB1020014C	34HB1020014C	1.50	2.55	Out	20	80	0.7
2-1/2 x 1/2	33HB1024004C	34HB1024004C	1.70	3.25	Out	15	60	0.9
2-1/2 x 3/4	33HB1024006C	34HB1024006C	1.58	1.65	In	15	60	1.5
2-1/2 x 1	33HB1024010C	34HB1024010C	1.58	2.00	In	15	60	1.5
2-1/2 x 1-1/4	33HB1024012C	34HB1024012C	1.58	2.40	In	15	60	1.4
2-1/2 x 1-1/2	33HB1024014C	34HB1024014C	1.58	2.70	In	12	48	1.4
2-1/2 x 2	33HB1024020C	34HB1024020C	1.65	3.00	Out	12	48	1.1
3 x 1/2	33HB1030004C	34HB1030004C	1.88	3.80	Out	6	24	2.0
3 x 3/4	33HB1030006C	34HB1030006C	1.75	1.70	In	6	24	1.9
3 x 1	33HB1030010C	34HB1030010C	1.70	2.00	In	6	24	2.1
3 x 1-1/4	33HB1030012C	34HB1030012C	1.70	2.40	In	6	24	2.1
3 x 1-1/2	33HB1030014C	34HB1030014C	1.70	2.70	In	6	24	2.2
3 x 2	33HB1030020C	34HB1030020C	1.80	3.70	Out	6	24	2.0
3 x 2-1/2	33HB1030024C	34HB1030024C	1.90	3.90	Out	6	24	1.6
3-1/2 x 1-1/2	33HB1034014C	34HB1034014C	1.75	2.75	In	-	20	1.5
3-1/2 x 2	33HB1034020C	34HB1034020C	1.94	1.80	In	-	20	2.4
3-1/2 x 2-1/2	33HB1034024C	34HB1034024C	1.70	4.30	Out	-	20	2.5
3-1/2 x 3	33HB1034030C	34HB1034030C	1.75	4.60	Out	-	20	1.9
4 x 3/4	33HB1040006C	34HB1040006C	2.00	2.00	In	-	20	4.4
4 x 1	33HB1040010C	34HB1040010C	1.90	2.00	In	-	20	4.5
4 x 1-1/4	33HB1040012C	34HB1040012C	1.90	2.40	In	-	20	2.7
4 x 1-1/2	33HB1040014C	34HB1040014C	1.90	2.70	In	-	20	4.2
4 x 2	33HB1040020C	34HB1040020C	1.90	3.30	In	-	20	3.8
4 x 2-1/2	33HB1040024C	34HB1040024C	1.90	3.95	In	-	20	3.9
4 x 3	33HB1040030C	34HB1040030C	2.10	4.70	Out	-	20	3.3
4 x 3-1/2	33HB1040034C	34HB1040034C	2.33	4.75	Out	-	20	3.0
5 x 2	33HB1050020C	34HB1050020C	2.05	3.30	In	-	10	5.1
5 x 2-1/2	33HB1050024C	34HB1050024C	2.10	4.00	In	-	10	4.2
5 x 3	33HB1050030C	34HB1050030C	2.10	4.70	In	-	10	4.4
5 x 4	33HB1050040C	34HB1050040C	2.10	5.80	Out	-	10	4.0

Bushings may have hexagon or octagon heads.

Fig. 33HB1 & 34HB1 – Hex Bushing cont.

Size in	Part Number Black	Part Number Galvanized	A in	B in	Hex	Packing Inner	Packing Master	Weight lb
6 x 1-1/2	33HB1060014C	34HB1060014C	2.20	3.35	In	-	7	12.0
6 x 2	33HB1060020C	34HB1060020C	2.20	3.35	In	-	7	10.0
6 x 2-1/2	33HB1060024C	34HB1060024C	2.20	3.90	In	-	7	7.9
6 x 3	33HB1060030C	34HB1060030C	2.30	4.70	In	-	7	7.7
6 x 4	33HB1060040C	34HB1060040C	2.30	5.90	In	-	7	6.7
6 x 5	33HB1060050C	34HB1060050C	2.50	7.20	Out	-	7	6.3
8 x 6	33HB1080060C	34HB1080060C	2.75	9.00	Out	-	4	13.1

Bushings may have hexagon or octagon heads.

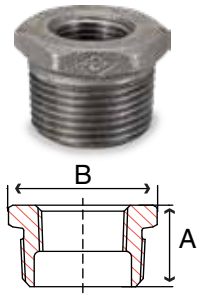


Fig. 33SP1 & 34SP1 – Square Head Plug

Size in	Part Number Black	Part Number Galvanized	A in	B in	Packing Inner	Packing Master	Weight lb
1/8	33SP1001C	34SP1001C	0.65	0.30	300	4800	0.01
1/4	33SP1002C	34SP1002C	0.75	0.38	150	2400	0.03
3/8	33SP1003C	34SP1003C	0.85	0.44	100	1600	0.05
1/2	33SP1004C	34SP1004C	1.00	0.53	50	800	0.1
3/4	33SP1006C	34SP1006C	1.15	0.58	30	360	0.1
1	33SP1010C	34SP1010C	1.30	0.71	20	240	0.2
1-1/4	33SP1012C	34SP1012C	1.40	0.90	40	160	0.3
1-1/2	33SP1014C	34SP1014C	1.50	1.10	30	120	0.5
2	33SP1020C	34SP1020C	1.60	1.30	20	80	0.7
2-1/2	33SP1024C	34SP1024C	1.85	1.50	16	64	1.2
3	33SP1030C	34SP1030C	1.95	1.69	16	32	1.7
3-1/2	33SP1034C	34SP1034C	2.10	1.84	-	16	2.5
4	33SP1040C	34SP1040C	2.30	2.16	8	16	3.0
5	33SP1050C	34SP1050C	2.50	2.50	5	10	5.0
6	33SP1060C	34SP1060C	2.80	2.62	-	10	7.3

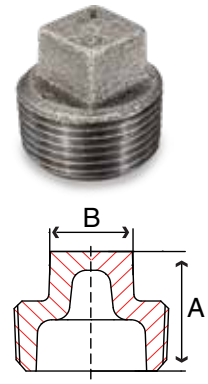


Fig. 33BP1 & 34BP1 – Bar Plug

Size in	Part Number Black	Part Number Galvanized	A in	Packing Inner	Packing Master	Weight lb
4	33BP1040C	34BP1040C	2.30	8	16	3.5
5	33BP1050C	34BP1050C	2.45	-	10	5.2
6	33BP1060C	34BP1060C	2.70	-	10	8.3
8	33BP1080C	34BP1080C	3.00	-	4	20.7

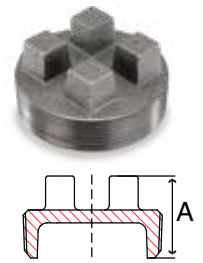


Fig. 33LN1 & 34LN1 – Lock Nut*

Size in	Part Number Black	Part Number Galvanized	A in	B in	Packing Inner	Packing Master	Weight lb
1/8	33LN1001C	34LN1001C	0.30	0.71	250	4000	0.03
1/4	33LN1002C	34LN1002C	0.34	0.90	125	2000	0.03
3/8	33LN1003C	34LN1003C	0.30	1.05	125	1500	0.04
1/2	33LN1004C	34LN1004C	0.38	1.27	100	800	0.07
3/4	33LN1006C	34LN1006C	0.40	1.50	60	480	0.1
1	33LN1010C	34LN1010C	0.50	1.88	40	320	0.1
1-1/4	33LN1012C	34LN1012C	0.50	2.15	30	240	0.2
1-1/2	33LN1014C	34LN1014C	0.53	2.56	45	180	0.3
2	33LN1020C	34LN1020C	0.57	3.10	25	100	0.5
2-1/2	33LN1024C	34LN1024C	0.72	4.00	14	56	0.7
3	33LN1030C	34LN1030C	0.80	4.60	20	40	1.2
4	33LN1040C	34LN1040C	0.90	5.80	7	14	2.9

*NPSL Threads

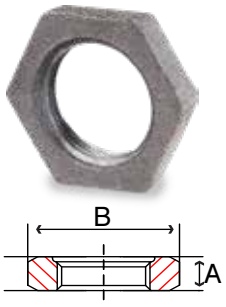


Fig. 33WN1 & 34WN1 – Waste Nut

Size in	Part Number Black	Part Number Galvanized	A in	B in	Packing Inner	Packing Master	Weight lb
1/2	33WN1004C	34WN1004C	2.00	3.15	25	200	0.4
3/4	33WN1006C	34WN1006C	2.50	3.87	20	160	0.5

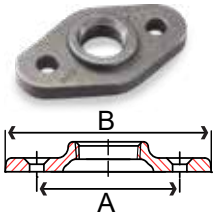
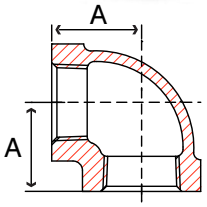
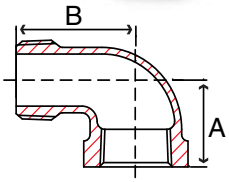


Fig. 33E 3 & 34E 3 – 90° Elbow



Size in	Part Number Black	Part Number Galvanized	A in	Packing Inner	Packing Master	Weight lb
1/4	33E 3002C	34E 3002C	0.94	150	300	0.1
3/8	33E 3003C	34E 3003C	1.06	60	120	0.2
1/2	33E 3004C	34E 3004C	1.25	60	120	0.4
3/4	33E 3006C	34E 3006C	1.44	50	100	0.6
1	33E 3010C	34E 3010C	1.63	20	40	1.0
1-1/4	33E 3012C	34E 3012C	1.94	14	28	1.6
1-1/2	33E 3014C	34E 3014C	2.13	12	24	2.2
2	33E 3020C	34E 3020C	2.50	6	12	3.5
2-1/2	33E 3024C	34E 3024C	2.94	-	8	5.5
3	33E 3030C	34E 3030C	3.38	-	4	8.4
4	33E 3040C	34E 3040C	4.50	-	2	16.2

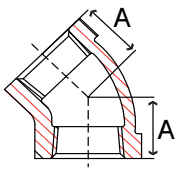
Fig. 33SE3 & 34SE3 – 90° Street Elbow



Size in	Part Number Black	Part Number Galvanized	A in	B in	Packing Inner	Packing Master	Weight lb
1/4	33SE3002C	34SE3002C	0.94	1.44	140	280	0.1
3/8	33SE3003C	34SE3003C	1.06	1.63	120	240	0.2
1/2	33SE3004C	34SE3004C	1.25	2.00	60	120	0.3
3/4	33SE3006C	34SE3006C	1.44	2.19	40	80	0.5
1	33SE3010C	34SE3010C	1.63	2.56	30	60	0.9
1-1/4	33SE3012C	34SE3012C	1.94	2.88	18	36	1.5
1-1/2	33SE3014C	34SE3014C	2.13	3.13	12	24	2.0
2	33SE3020C	34SE3020C	2.50	3.69	6	12	3.3
2-1/2	33SE3024C	34SE3024C	2.94	4.50	-	12	5.4
3	33SE3030C	34SE3030C	3.38	5.13	-	4	8.4

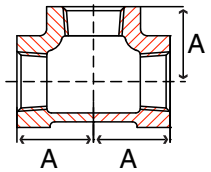
All male threads come with plastic protective caps

Fig. 33F 3 & 34F 3 – 45° Elbow



Size in	Part Number Black	Part Number Galvanized	A in	Packing Inner	Packing Master	Weight lb
1/4	33F 3002C	34F 3002C	0.81	120	240	0.1
3/8	33F 3003C	34F 3003C	0.88	100	200	0.2
1/2	33F 3004C	34F 3004C	1.00	60	120	0.3
3/4	33F 3006C	34F 3006C	1.13	60	120	0.6
1	33F 3010C	34F 3010C	1.31	30	60	0.9
1-1/4	33F 3012C	34F 3012C	1.50	12	24	1.5
1-1/2	33F 3014C	34F 3014C	1.69	12	24	2.0
2	33F 3020C	34F 3020C	2.00	6	12	3.2
2-1/2	33F 3024C	34F 3024C	2.25	4	8	5.0
3	33F 3030C	34F 3030C	2.50	-	4	7.5
4	33F 3040C	34F 3040C	2.81	-	2	12.6

Fig. 33T 3 & 34T 3 – Tee



Size in	Part Number Black	Part Number Galvanized	A in	Packing Inner	Packing Master	Weight lb
1/4	33T 3002C	34T 3002C	0.94	120	240	0.2
3/8	33T 3003C	34T 3003C	1.06	90	180	0.3
1/2	33T 3004C	34T 3004C	1.25	60	120	0.6
3/4	33T 3006C	34T 3006C	1.44	20	40	0.9
1	33T 3010C	34T 3010C	1.63	20	40	1.4
1-1/4	33T 3012C	34T 3012C	1.94	12	24	2.3
1-1/2	33T 3014C	34T 3014C	2.13	8	16	3.1
2	33T 3020C	34T 3020C	2.50	5	10	4.8
2-1/2	33T 3024C	34T 3024C	2.94	3	6	7.6
3	33T 3030C	34T 3030C	3.38	-	4	11.6
4	33T 3040C	34T 3040C	4.50	-	2	22.6

Fig. 33RT3 & 34RT3 – Reducing Tee

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Size in	Part Number Black	Part Number Galvanized	A in	B in	Packing Inner	Packing Master	Weight lb
3/4 x 1/2	33RT3006004C	34RT3006004C	1.31	1.38	20	40	0.8
1 x 1/2	33RT3010004C	34RT3010004C	1.44	1.50	20	40	1.1
1 x 3/4	33RT3010006C	34RT3010006C	1.50	1.56	20	40	1.2
1-1/4 x 1/2	33RT3012004C	34RT3012004C	1.50	1.69	12	24	1.6
1-1/4 x 3/4	33RT3012006C	34RT3012006C	1.63	1.75	12	24	1.8
1-1/4 x 1	33RT3012010C	34RT3012010C	1.75	1.81	12	24	2.0
1-1/2 x 1/2	33RT3014004C	34RT3014004C	1.63	1.81	8	16	2.1
1-1/2 x 3/4	33RT3014006C	34RT3014006C	1.69	1.88	8	16	2.3
1-1/2 x 1	33RT3014010C	34RT3014010C	1.81	2.00	8	16	2.5
1-1/2 x 1-1/4	33RT3014012C	34RT3014012C	2.00	2.06	8	16	2.8
2 x 1/2	33RT3020004C	34RT3020004C	1.75	2.06	5	10	3.1
2 x 3/4	33RT3020006C	34RT3020006C	1.81	2.13	5	10	3.2
2 x 1	33RT3020010C	34RT3020010C	2.00	2.25	5	10	3.6
2 x 1-1/4	33RT3020012C	34RT3020012C	2.13	2.31	5	10	3.9
2 x 1-1/2	33RT3020014C	34RT3020014C	2.25	2.38	5	10	4.2
2-1/2 x 2	33RT3024020C	34RT3024020C	2.69	2.75	-	8	6.7
3 x 2	33RT3030020C	34RT3030020C	2.81	3.13	-	4	9.1
4 x 2-1/2	33RT3040024C	34RT3040024C	3.70	4.00	2	4	9.5
4 x 3	33RT3040030C	34RT3040030C	4.00	4.25	2	4	10.3

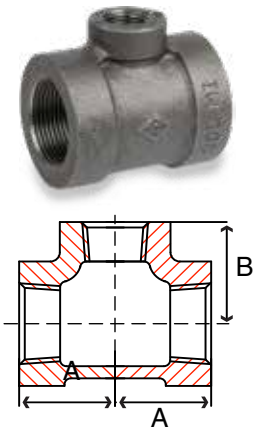


Fig. 33C 3 & 34C 3 – Cap

Size in	Part Number Black	Part Number Galvanized	A in	Packing Inner	Packing Master	Weight lb
1/4	33C 3002C	34C 3002C	0.78	240	480	0.1
3/8	33C 3003C	34C 3003C	0.83	180	360	0.1
1/2	33C 3004C	34C 3004C	0.98	60	120	0.2
3/4	33C 3006C	34C 3006C	1.08	40	80	0.3
1	33C 3010C	34C 3010C	1.26	25	50	0.5
1-1/4	33C 3012C	34C 3012C	1.38	20	40	0.8
1-1/2	33C 3014C	34C 3014C	1.43	20	40	1.1
2	33C 3020C	34C 3020C	1.68	12	24	1.7
2-1/2	33C 3024C	34C 3024C	2.06	6	12	2.8
3	33C 3030C	34C 3030C	2.17	6	12	4.2
4	33C 3040C	34C 3040C	2.48	3	6	7.2

Fig. 33U 3 & 34U 3 – Union with Brass Seat

Size in	Part Number Black	Part Number Galvanized	A in	Packing Inner	Packing Master	Weight lb
1/4	33U 3002C	34U 3002C	1.55	100	200	0.3
3/8	33U 3003C	34U 3003C	1.71	60	120	0.4
1/2	33U 3004C	34U 3004C	1.81	40	80	0.5
3/4	33U 3006C	34U 3006C	2.12	20	40	0.8
1	33U 3010C	34U 3010C	2.31	25	50	1.1
1-1/4	33U 3012C	34U 3012C	2.66	15	30	1.9
1-1/2	33U 3014C	34U 3014C	2.85	12	24	2.5
2	33U 3020C	34U 3020C	3.23	6	12	3.6
2-1/2	33U 3024C	34U 3024C	3.33	4	8	5.1
3	33U 3030C	34U 3030C	4.09	4	8	7.8
4	33U 3040C	34U 3040C	4.47	-	4	13.1

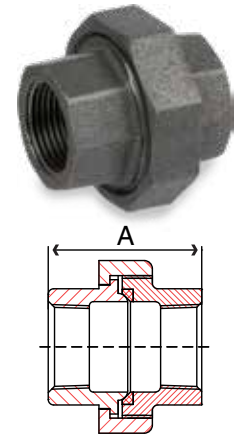
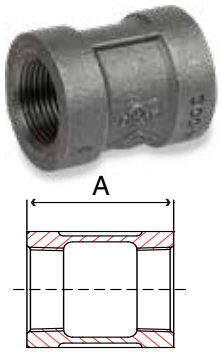
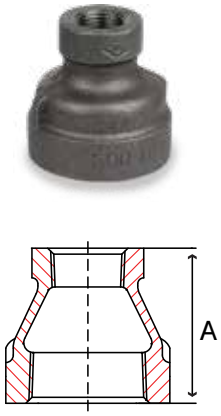


Fig. 33CP3 & 34CP3 – Banded Coupling



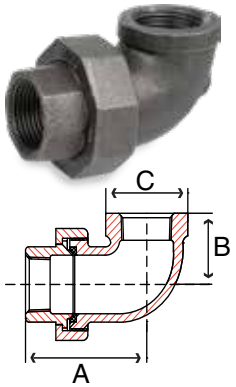
Size	Part Number		A	Packing		Weight
in	Black	Galvanized	in	Inner	Master	lb
1/4	33CP3002C	34CP3002C	1.37	200	400	0.1
3/8	33CP3003C	34CP3003C	1.62	100	200	0.2
1/2	33CP3004C	34CP3004C	1.87	60	120	0.3
3/4	33CP3006C	34CP3006C	2.12	40	80	0.5
1	33CP3010C	34CP3010C	2.37	40	80	0.9
1-1/4	33CP3012C	34CP3012C	2.87	12	24	1.5
1-1/2	33CP3014C	34CP3014C	2.87	12	24	1.9
2	33CP3020C	34CP3020C	3.62	8	16	3.1
2-1/2	33CP3024C	34CP3024C	4.12	4	8	4.9
3	33CP3030C	34CP3030C	4.12	4	8	6.8
4	33CP3040C	34CP3040C	4.69	-	4	11.3

Fig. 33RC3 & 34RC3 – Reducing Coupling



Size	Part Number		A	Packing		Weight
in	Black	Galvanized	in	Inner	Master	lb
3/8 x 1/4	33RC3003002C	34RC3003002C	1.44	100	200	0.2
1/2 x 1/4	33RC3004002C	34RC3004002C	1.69	100	200	0.2
1/2 x 3/8	33RC3004003C	34RC3004003C	1.69	100	200	0.3
3/4 x 3/8	33RC3006003C	34RC3006003C	1.75	30	60	0.4
3/4 x 1/2	33RC3006004C	34RC3006004C	1.75	45	90	0.4
1 x 1/2	33RC3010004C	34RC3010004C	2.00	50	100	0.6
1 x 3/4	33RC3010006C	34RC3010006C	2.00	50	100	0.7
1-1/4 x 1/2	33RC3012004C	34RC3012004C	2.38	25	50	0.9
1-1/4 x 3/4	33RC3012006C	34RC3012006C	2.38	30	60	1.0
1-1/4 x 1	33RC3012010C	34RC3012010C	2.38	30	60	1.1
1-1/2 x 1/2	33RC3014004C	34RC3014004C	2.69	30	60	1.3
1-1/2 x 3/4	33RC3014006C	34RC3014006C	2.69	30	60	1.3
1-1/2 x 1	33RC3014010C	34RC3014010C	2.69	20	40	1.4
1-1/2 x 1-1/4	33RC3014012C	34RC3014012C	2.69	20	40	1.6
2 x 1/2	33RC3020004C	34RC3020004C	3.19	16	32	1.9
2 x 3/4	33RC3020006C	34RC3020006C	3.19	16	32	2.1
2 x 1	33RC3020010C	34RC3020010C	3.19	16	32	2.2
2 x 1-1/4	33RC3020012C	34RC3020012C	3.19	12	24	2.3
2 x 1-1/2	33RC3020014C	34RC3020014C	3.19	12	24	2.5
2-1/2 x 1-1/2	33RC3024014C	34RC3024014C	3.69	4	8	3.6
2-1/2 x 2	33RC3024020C	34RC3024020C	3.69	4	8	3.9
3 x 2	33RC3030020C	34RC3030020C	4.06	-	8	5.6
3 x 2-1/2	33RC3030024C	34RC3030024C	4.06	-	8	5.9
4 x 3	33RC3040030C	34RC3040030C	4.38	-	6	9.2

Fig. 33UE3 & 34UE3 – Union Elbow with Brass Seat*



Size	Part Number		A	B	C	Packing		Weight
in	Black	Galvanized	in	in	in	Inner	Master	lb
1/2	33UE3004C	34UE3004C	2.16	0.98	1.20	40	80	0.3
3/4	33UE3006C	34UE3006C	2.36	1.14	1.46	30	60	0.9
1	33UE3010C	34UE3010C	2.81	1.34	1.77	20	40	1.3
1-1/4	33UE3012C	34UE3012C	3.23	1.61	2.15	10	20	2.0
1-1/2	33UE3014C	34UE3014C	3.53	1.80	2.43	10	20	2.5
2	33UE3020C	34UE3020C	4.10	2.14	2.96	5	10	3.7

* Made from ductile iron

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Merchant Steel Coupling and Fitting Specification

- SCI® branded couplings
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- Canadian Registration Numbers available at www.smithcooper.com
- Merchant coupling threads conform to ASME B1.20.1
- Merchant couplings from 1/8” to 2” are NPSC (straight threads), 2-1/2” and larger are NPT (tapered threads)
- Merchant steel bushings and plugs conform to ASME B16.14
- Electro galvanized fittings conform to ASTM B633
- ProPak™ Packaging

API 5L Recessed Coupling Specifications

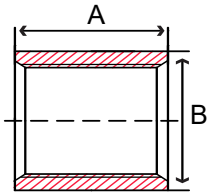
- Recessed couplings are API 5L approved for extra heavy pipe
- All sizes have NPT threads

Stainless Drop Pipe Coupling Specifications

- SCI® branded
- Stainless drop pipe couplings are NPT (tapered threads)
- Recessed

SCI ProPak™ System

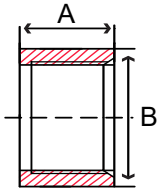
Fig. 23MC & 24MC – Merchant Coupling



Size	Part Number		A	B	Packing		Weight
in	Black	Galvanized	in	in	Inner	Master	lb
1/8	23MC4001	24MC4001	0.81	0.56	100	1,200	0.03
1/4	23MC4002	24MC4002	1.18	0.71	100	800	0.07
3/8	23MC4003	24MC4003	1.18	0.87	100	400	0.1
1/2	23MC4004	24MC4004	1.56	1.06	50	200	0.1
3/4	23MC4006	24MC4006	1.62	1.31	50	200	0.2
1	23MC4010	24MC4010	2.00	1.57	30	120	0.3
1-1/4	23MC4012	24MC4012	2.06	1.90	20	80	0.4
1-1/2	23MC4014	24MC4014	2.06	2.20	20	80	0.6
2	23MC4020	24MC4020	2.12	2.75	10	40	1.0
2-1/2*	23MC4024	24MC4024	3.12	3.25	-	30	2.2
3*	23MC4030	24MC4030	3.25	4.00	-	15	3.0
3-1/2*	23MC4034	24MC4034	3.37	4.62	-	10	4.1
4*	23MC4040	24MC4040	3.50	5.00	-	10	4.4
5*	23MC4050	24MC4050	3.75	6.29	-	4	7.2
6*	23MC4060	24MC4060	4.00	7.39	-	3	10.5

* Taper Tapped

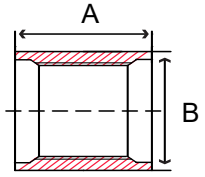
Fig. 23HC & 24HC – Merchant Half Coupling



Size	Part Number	A	B	Packing		Weight
in	Black	in	in	Inner	Master	lb
1/8	23HC4001	0.38	0.56	100	1200	0.01
1/4	23HC4002	0.57	0.71	100	1200	0.03
3/8	23HC4003	0.57	0.87	100	1200	0.05
1/2	23HC4004	0.75	1.06	50	600	0.08
3/4	23HC4006	0.79	1.31	50	400	0.1
1	23HC4010	1.00	1.57	30	240	0.1
1-1/4	23HC4012	1.03	1.90	20	160	0.2
1-1/2	23HC4014	1.03	2.20	20	160	0.3
2	23HC4020	1.06	2.75	20	80	0.5
2-1/2*	23HC4024	1.06	3.25	-	60	1.1
3*	23HC4030	1.56	4.00	-	24	1.5
3-1/2*	23HC4034	1.60	4.62	-	20	2.1
4*	23HC4040	1.80	5.00	-	20	2.2
5*	23HC4050	1.90	6.29	-	12	3.6
6*	23HC4060	2.00	7.39	-	8	5.2

* Taper Tapped

Fig. 26CRXA – API 5L Recessed Coupling



Size	Part Number	A	B	Packing		Weight
in	Black	in	in	Inner	Master	lb
1/8	26CRXA001	1.06	0.56	25	400	0.04
1/4	26CRXA002	1.62	0.71	25	400	0.1
3/8	26CRXA003	1.62	0.87	25	400	0.1
1/2	26CRXA004	2.12	1.06	25	300	0.2
3/4	26CRXA006	2.12	1.31	25	200	0.3
1	26CRXA010	2.62	1.57	25	100	0.5
1-1/4	26CRXA012	2.75	2.05	25	50	0.9
1-1/2	26CRXA014	2.75	2.20	25	50	0.9
2	26CRXA020	2.87	2.87	-	40	1.7
2-1/2	26CRXA024	4.12	3.37	-	20	3.1
3	26CRXA030	4.25	4.00	-	12	3.8
4	26CRXA040	4.50	5.20	-	8	5.8
6	26CRXA060	4.87	7.39	-	3	13.5
8	26CRXA080	5.25	9.62	-	-	22.0

Fig. 23SP & 24SP – Square Head Plug

Size	Part Number		A	B	Packing		Weight
in	Black	Galvanized	in	in	Inner	Master	lb
1/8	23SP4001	24SP4001	0.57	0.27	-	2500	0.02
1/4	23SP4002	24SP4002	0.72	0.37	-	1000	0.04
3/8	23SP4003	24SP4003	0.80	0.42	-	600	0.06
1/2	23SP4004	24SP4004	0.97	0.55	-	300	0.1
3/4	23SP4006	24SP4006	1.07	0.62	-	200	0.2
1	23SP4010	24SP4010	1.25	0.81	-	100	0.3

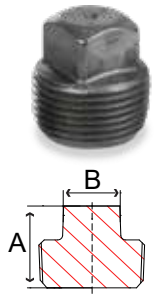


Fig. 23HP & 24HP – Hex Head Plug

Size	Part Number		A	B	Packing		Weight
in	Black	Galvanized	in	in	Inner	Master	lb
1/8	23HP4001	24HP4001	0.55	0.43	-	2000	0.02
1/4	23HP4002	24HP4002	0.74	0.56	-	900	0.05
3/8	23HP4003	24HP4003	0.80	0.68	-	600	0.07
1/2	23HP4004	24HP4004	0.97	0.87	-	300	0.1
3/4	23HP4006	24HP4006	1.06	1.06	-	150	0.3
1	23HP4010	24HP4010	1.10	1.31	-	100	0.5

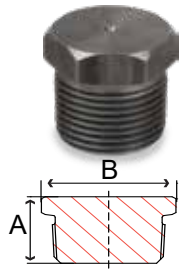


Fig. 23CS & 24CS – Countersunk Square Plug

Size	Part Number		A	B	Packing		Weight
in	Black	Galvanized	in	in	Inner	Master	lb
1/8	23CS4001	24CS4001	0.29	0.19	-	5000	0.01
1/4	23CS4002	24CS4002	0.44	0.25	-	1800	0.02
3/8	23CS4003	24CS4003	0.44	0.31	-	1100	0.03
1/2	23CS4004	24CS4004	0.59	0.38	-	500	0.07
3/4	23CS4006	24CS4006	0.60	0.50	-	300	0.1
1	23CS4010	24CS4010	0.75	0.50	-	150	0.2

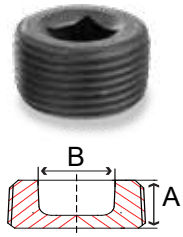


Fig. 23CH & 24CH – Countersunk Hex Plug

Size	Part Number		A	B	Packing		Weight
in	Black	Galvanized	in	in	Inner	Master	lb
1/8	23CH4001	24CH4001	0.29	0.18	-	5000	0.01
1/4	23CH4002	24CH4002	0.44	0.25	-	1800	0.02
3/8	23CH4003	24CH4003	0.44	0.31	-	1100	0.03
1/2	23CH4004	24CH4004	0.59	0.37	-	500	0.07
3/4	23CH4006	24CH4006	0.60	0.56	-	300	0.1
1	23CH4010	24CH4010	0.75	0.62	-	150	0.2

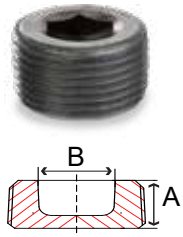


Fig. 23HB & 24HB – Hex Bushing

Size	Part Number		A	B	Packing		Weight
in	Black	Galvanized	in	in	Inner	Master	lb
1/4 x 1/8	23HB4002001	24HB4002001	0.63	0.62	100	500	0.03
3/8 x 1/8	23HB4003001	24HB4003001	0.66	0.68	100	500	0.05
3/8 x 1/4	23HB4003002	24HB4003002	0.66	0.68	100	500	0.05
1/2 x 1/8	23HB4004001	24HB4004001	0.80	0.87	50	500	0.1
1/2 x 1/4	23HB4004002	24HB4004002	0.80	0.87	50	500	0.1
1/2 x 3/8	23HB4004003	24HB4004003	0.80	0.87	50	500	0.1
3/4 x 1/8	23HB4006001	24HB4006001	0.94	1.06	50	500	0.2
3/4 x 1/4	23HB4006002	24HB4006002	0.94	1.06	50	500	0.2
3/4 x 3/8	23HB4006003	24HB4006003	0.94	1.06	50	500	0.2
3/4 x 1/2	23HB4006004	24HB4006004	0.94	1.06	50	500	0.2
1 x 1/8	23HB4010001	24HB4010001	1.00	1.31	50	500	0.3
1 x 1/4	23HB4010002	24HB4010002	1.00	1.31	50	500	0.4
1 x 3/8	23HB4010003	24HB4010003	1.00	1.31	50	500	0.4
1 x 1/2	23HB4010004	24HB4010004	1.00	1.31	50	500	0.4
1 x 3/4	23HB4010006	24HB4010006	1.00	1.31	50	500	0.4

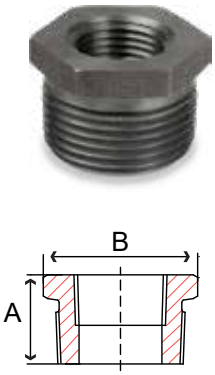
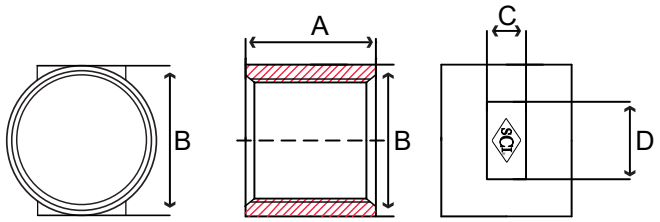


Fig. 29DC14 – 304 SS Recessed Drop Pipe Coupling

Size in	Part Number	A in	B in	C in	D in	Packing		Weight lb
						Inner	Master	
1	29DC14010	2.50	1.67	0.51	0.88	15	90	0.7
1-1/4	29DC14012	2.50	2.03	0.51	1.06	20	80	0.8
1-1/2	29DC14014	2.50	2.31	0.63	1.16	7	42	1.0
2	29DC14020	2.50	2.75	0.63	1.30	5	30	1.2



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SCI ProPak™ System

MERCHANT

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Sharpe Valves
316 & 316L
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MERCHANT

Cast Iron Threaded Fittings

Cast Iron Threaded Fittings

Specifications

- SCI branded cast iron threaded fittings are UL Listed and FM Approved at 300psi
- Rated to 125 WSP
- Casting date on each fitting
- Grey iron castings conform to ASTM A126
- Cast iron fitting dimensions conform to ASME B16.4 Class 125
- NPT threads on fittings conform to ASME B1.20.1
- Cast iron fittings have SCI Trademark and are 100% air tested
- Manufacturing facility is ISO 9001:2008 and ISO 14001
- ProPak™ Packaging

c UL us LISTED

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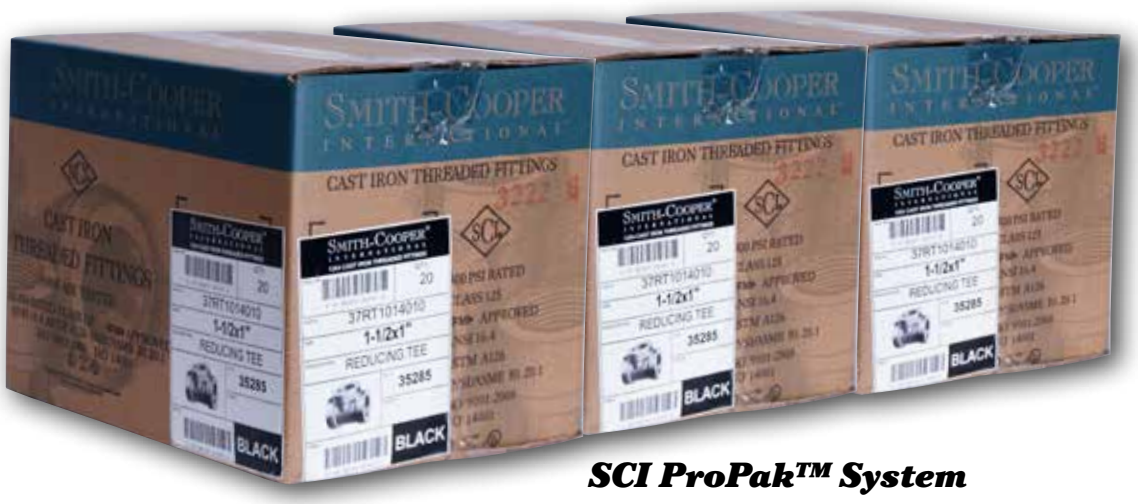
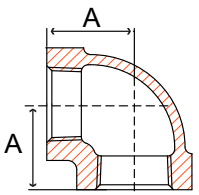


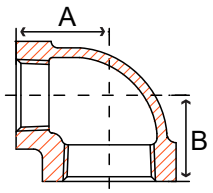
SCI ProPak™ System

Fig. 37E 1 – 90° Elbow



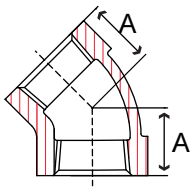
Size in	Part Number	A in	Packing Inner	Packing Master	Weight lb
1/2	37E 1004	1.13	90	180	0.3
3/4	37E 1006	1.31	50	100	0.5
1	37E 1010	1.50	35	70	0.8
1-1/4	37E 1012	1.75	20	40	1.3
1-1/2	37E 1014	1.94	15	30	1.7
2	37E 1020	2.25	7	14	2.7
2-1/2	37E 1024	2.70	4	8	4.3

Fig. 37RE1 – 90° Reducing Elbow



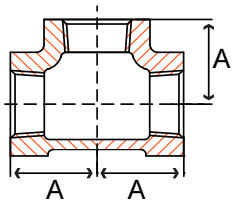
Size in	Part Number	A in	B in	Packing Inner	Packing Master	Weight lb
1 x 1/2	37RE1010004	1.36	1.26	50	100	0.5
1 x 3/4	37RE1010006	1.45	1.38	40	80	0.7
1-1/4 x 1/2	37RE1012004	1.53	1.34	32	64	0.8
1-1/4 x 3/4	37RE1012006	1.63	1.45	28	56	0.9
1-1/4 x 1	37RE1012010	1.67	1.58	25	50	1.0
1-1/2 x 1/2	37RE1014004	1.75	1.52	25	50	1.0
1-1/2 x 3/4	37RE1014006	1.75	1.52	20	40	1.1
1-1/2 x 1	37RE1014010	1.80	1.65	18	36	1.3
1-1/2 x 1-1/4	37RE1014012	1.88	1.82	14	28	1.5
2 x 1/2	37RE1020004	1.97	1.60	15	30	1.4
2 x 3/4	37RE1020006	1.97	1.60	15	30	1.6
2 x 1	37RE1020010	2.02	1.73	12	24	1.8
2 x 1-1/2	37RE1020014	2.16	2.02	10	20	2.3

Fig. 37F 1 – 45° Elbow



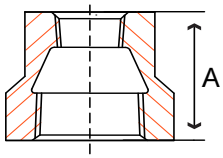
Size in	Part Number	A in	Packing Inner	Packing Master	Weight lb
1	37F 1010	1.26	40	80	0.7
1-1/4	37F 1012	1.29	22	44	1.2
1-1/2	37F 1014	1.44	16	32	1.5
2	37F 1020	1.69	8	16	2.6

Fig. 37T 1 – Tee



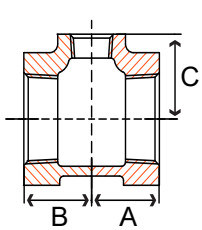
Size in	Part Number	A in	Packing Inner	Packing Master	Weight lb
1/2	37T 1004	1.13	60	120	0.4
3/4	37T 1006	1.31	30	60	0.7
1	37T 1010	1.50	20	40	1.1
1-1/4	37T 1012	1.75	12	24	1.8
1-1/2	37T 1014	1.94	8	16	2.4
2	37T 1020	2.25	5	10	3.8

Fig. 37RC1 – Hex Coupling



Size in	Part Number	A in	Packing Inner	Packing Master	Weight lb
1 x 1/2	37RC1010004	1.69	60	120	0.5
1 x 3/4	37RC1010006	1.69	50	100	0.6
2 x 1 (not hex)	37RC1020010	2.81	16	32	1.5

Fig. 37RT1 – Reducing Tee



Size in	Part Number	A in	B in	C in	Packing Inner	Packing Master	Weight lb
1 x 1/2	37RT1010004	1.26	1.26	1.36	25	50	0.9
1 x 1/2 x 1	37RT1010004010	1.50	1.36	1.50	24	48	0.9
1 x 3/4	37RT1010006	1.38	1.38	1.45	22	44	1.0
1 x 3/4 x 1	37RT1010006010	1.50	1.45	1.50	20	40	1.0
1 x 1-1/4	37RT1010012	1.67	1.67	1.58	15	30	1.4
1-1/4 x 1/2	37RT1012004	1.34	1.34	1.53	18	36	1.3
1-1/4 x 1/2 x 1-1/4	37RT1012004012	1.75	1.53	1.75	18	36	1.4
1-1/4 x 3/4	37RT1012006	1.45	1.45	1.62	15	30	1.4
1-1/4 x 3/4 x 1-1/4	37RT1012006012	1.75	1.62	1.75	15	30	1.5
1-1/4 x 1	37RT1012010	1.58	1.58	1.67	15	30	1.6
1-1/4 x 1 x 1/2	37RT1012010004	1.34	1.26	1.53	20	40	1.1
1-1/4 x 1 x 3/4	37RT1012010006	1.45	1.38	1.63	16	32	1.2
1-1/4 x 1 x 1	37RT1012010010	1.58	1.50	1.69	15	30	1.4
1-1/4 x 1 x 1-1/4	37RT1012010012	1.75	1.69	1.75	12	24	1.6
1-1/4 x 1 x 1-1/2	37RT1012010014	1.88	1.80	1.82	12	24	1.8
1-1/4 x 1-1/2	37RT1012014	1.88	1.88	1.82	10	20	2.0
1-1/2 x 1/2	37RT1014004	1.41	1.41	1.66	12	24	1.6
1-1/2 x 1/2 x 1-1/4	37RT1014004012	1.81	1.56	1.88	12	24	1.7
1-1/2 x 1/2 x 1-1/2	37RT1014004014	1.94	1.66	1.94	12	24	1.8
1-1/2 x 3/4	37RT1014006	1.52	1.52	1.75	12	24	1.8
1-1/2 x 3/4 x 1-1/4	37RT1014006012	1.94	1.66	1.88	12	24	1.7
1-1/2 x 3/4 x 1-1/2	37RT1014006014	1.94	1.75	1.94	12	24	1.9
1-1/2 x 1	37RT1014010	1.65	1.65	1.80	10	20	1.9
1-1/2 x 1 x 1/2	37RT1014010004	1.44	1.25	1.69	18	36	1.3
1-1/2 x 1 x 3/4	37RT1014010006	1.50	1.44	1.75	15	30	1.4
1-1/2 x 1 x 1	37RT1014010010	1.65	1.50	1.80	12	24	1.6
1-1/2 x 1 x 1-1/4	37RT1014010012	1.82	1.67	1.88	10	20	1.8
1-1/2 x 1 x 1-1/2	37RT1014010014	1.94	1.80	1.94	8	16	2.1
1-1/2 x 1-1/4	37RT1014012	1.82	1.82	1.88	8	16	2.2
1-1/2 x 1-1/4 x 1/2	37RT1014012004	1.41	1.34	1.66	15	30	1.5
1-1/2 x 1-1/4 x 3/4	37RT1014012006	1.52	1.45	1.75	12	24	1.6
1-1/2 x 1-1/4 x 1	37RT1014012010	1.65	1.58	1.80	12	24	1.8
1-1/2 x 1-1/4 x 1-1/4	37RT1014012012	1.82	1.75	1.88	10	20	2.1
1-1/2 x 1-1/4 x 1-1/2	37RT1014012014	1.94	1.88	1.94	8	16	2.3
1-1/2 x 1-1/4 x 2	37RT1014012020	2.16	2.10	2.02	6	12	2.7
1-1/2 x 2	37RT1014020	2.16	2.16	2.02	5	10	2.9
2 x 1/2	37RT1020004	1.49	1.49	1.88	8	16	2.6
2 x 3/4	37RT1020006	1.60	1.60	1.97	8	16	2.6
2 x 1	37RT1020010	1.73	1.73	2.02	6	12	2.9
2 x 1 x 2	37RT1020010020	2.25	2.02	2.25	5	10	3.1
2 x 1-1/4	37RT1020012	1.90	1.90	2.10	5	10	3.2
2 x 1-1/4 x 2	37RT1020012020	2.25	2.10	2.25	5	10	3.2
2 x 1-1/2	37RT1020014	2.02	2.02	2.16	5	10	3.3
2 x 1-1/2 x 1/2	37RT1020014004	1.49	1.41	1.88	8	16	2.1
2 x 1-1/2 x 3/4	37RT1020014006	1.60	1.52	1.97	8	16	2.2
2 x 1-1/2 x 1	37RT1020014010	1.73	1.65	2.02	8	16	2.4
2 x 1-1/2 x 1-1/4	37RT1020014012	1.90	1.82	2.10	7	14	2.7
2 x 1-1/2 x 1-1/2	37RT1020014014	2.02	1.94	2.16	7	14	2.9
2 x 1-1/2 x 2	37RT1020014020	2.25	2.16	2.25	5	10	3.4
2 x 2-1/2	37RT1020024	2.60	2.60	2.39	3	6	4.6

Ductile Iron Threaded Fittings

Ductile Iron Threaded Fittings

Specifications

- SCI® branded fittings are UL Listed and FM Approved at ***500 psi***
- Rated to 300 psi WSP
- Ductile iron castings conform to ASTM A536
- Fitting dimensions conform to ASME B16.3
- Bushings and plugs conform to ASME B16.14
- All fittings are 100% air tested
- NPT threads on all fittings conform to ASME B1.20.1
- Independent lab verification that fittings meet applicable chemical & mechanical properties
- Manufacturing facilities are ISO 9001:2008 and ISO 14001
- ProPak™ Packaging

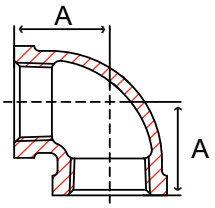
c UL us LISTED

FM APPROVED

Temperature Degrees F	Working Pressure, Non-Shock psig Class 300 Threaded Fittings
-20 to 100	500
150	500
200	480
250	460
300	440
350	420
400	400
450	380
500	360
550	340
600	320
650	300

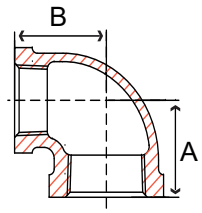
SCI ProPak™ System

Fig. 35E 3 – 90° Elbow



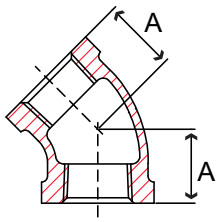
Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/2	35E 3004	1.13	100	200	0.2
3/4	35E 3006	1.31	70	140	0.3
1	35E 3010	1.50	40	80	0.5
1-1/4	35E 3012	1.75	25	50	0.8
1-1/2	35E 3014	1.94	18	36	1.1
2	35E 3020	2.25	10	20	1.8
2-1/2	35E 3024	2.70	4	8	3.2

Fig. 35RE3 – 90° Reducing Elbow



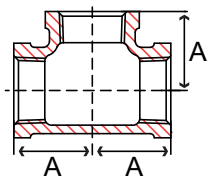
Size in	Part Number	A in	B in	Packing		Weight lb
				Inner	Master	
3/4 x 1/2	35RE3006004	1.20	1.22	80	160	0.3
1 x 1/2	35RE3010004	1.26	1.36	70	140	0.4
1 x 3/4	35RE3010006	1.38	1.45	50	100	0.4
1-1/4 x 1/2	35RE3012004	1.34	1.53	35	70	0.5
1-1/4 x 3/4	35RE3012006	1.45	1.63	35	70	0.6
1-1/4 x 1	35RE3012010	1.58	1.67	30	60	0.7
1-1/2 x 1/2	35RE3014004	1.52	1.75	30	60	0.6
1-1/2 x 3/4	35RE3014006	1.52	1.75	25	50	0.7
1-1/2 x 1	35RE3014010	1.65	1.80	20	40	0.8
1-1/2 x 1-1/4	35RE3014012	1.82	1.88	18	36	1.0
2 x 1/2	35RE3020004	1.60	1.97	18	36	1.0
2 x 3/4	35RE3020006	1.60	1.97	18	36	1.0
2 x 1	35RE3020010	1.73	2.02	16	32	1.2
2 x 1-1/4	35RE3020012	1.90	2.10	12	24	1.3
2 x 1-1/2	35RE3020014	2.02	2.16	10	20	1.5
2-1/2 x 1-1/2	35RE3024014	2.16	2.51	6	12	2.2
2-1/2 x 2	35RE3024020	2.39	2.60	6	12	2.5

Fig. 35F 3 – 45° Elbow



Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/2	35F 3004	0.88	150	300	0.2
3/4	35F 3006	0.98	80	160	0.3
1	35F 3010	1.13	40	80	0.5
1-1/4	35F 3012	1.29	25	50	0.7
1-1/2	35F 3014	1.44	20	40	1.0
2	35F 3020	1.69	10	20	1.6
2-1/2	35F 3024	1.95	4	8	2.7

Fig. 35T 3 – Tee



Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/2	35T 3004	1.13	80	160	0.3
3/4	35T 3006	1.31	30	60	0.5
1	35T 3010	1.50	25	50	0.7
1-1/4	35T 3012	1.75	10	20	1.1
1-1/2	35T 3014	1.94	10	20	1.5
2	35T 3020	2.25	6	12	2.4
2-1/2	35T 3024	2.70	4	8	4.3

Fig. 35RT3 – Reducing Tee

Size in	Part Number	A in	B in	C in	Packing Inner	Packing Master	Weight lb
3/4 x 1/2	35RT3006004	1.20	1.20	1.22	60	120	0.4
1 x 1/2	35RT3010004	1.26	1.26	1.36	30	60	0.6
1 x 1/2 x 1	35RT3010004010	1.50	1.36	1.50	30	60	0.6
1 x 3/4	35RT3010006	1.38	1.38	1.45	25	50	0.6
1 x 3/4 x 3/4	35RT3010006006	1.38	1.31	1.45	35	70	0.6
1 x 3/4 x 1	35RT3010006010	1.50	1.45	1.50	25	50	0.7
1-1/4 x 1/2	35RT3012004	1.34	1.34	1.53	20	40	0.8
1-1/4 x 1/2 x 1-1/4	35RT3012004012	1.75	1.53	1.75	25	50	0.9
1-1/4 x 3/4	35RT3012006	1.45	1.45	1.62	15	30	0.9
1-1/4 x 3/4 x 1-1/4	35RT3012006012	1.75	1.62	1.75	20	40	1.0
1-1/4 x 1	35RT3012010	1.58	1.58	1.67	15	30	1.0
1-1/4 x 1 x 1/2	35RT3012010004	1.34	1.26	1.53	25	50	0.7
1-1/4 x 1 x 3/4	35RT3012010006	1.45	1.38	1.63	20	40	0.8
1-1/4 x 1 x 1	35RT3012010010	1.58	1.50	1.69	20	40	0.9
1-1/4 x 1 x 1-1/4	35RT3012010012	1.75	1.69	1.75	15	30	1.0
1-1/2 x 1/2	35RT3014004	1.41	1.41	1.66	16	32	1.0
1-1/2 x 1/2 x 1-1/4	35RT3014004012	1.81	1.56	1.88	24	48	1.1
1-1/2 x 1/2 x 1-1/2	35RT3014004014	1.94	1.66	1.94	12	24	1.2
1-1/2 x 3/4	35RT3014006	1.52	1.52	1.75	16	32	1.1
1-1/2 x 3/4 x 1-1/4	35RT3014006012	1.94	1.66	1.88	20	40	1.1
1-1/2 x 3/4 x 1-1/2	35RT3014006014	1.94	1.75	1.94	18	36	1.2
1-1/2 x 1	35RT3014010	1.65	1.65	1.80	12	24	1.2
1-1/2 x 1 x 1/2	35RT3014010004	1.44	1.25	1.69	20	40	0.8
1-1/2 x 1 x 3/4	35RT3014010006	1.50	1.44	1.75	16	32	0.9
1-1/2 x 1 x 1	35RT3014010010	1.65	1.50	1.80	16	32	1.0
1-1/2 x 1 x 1-1/4	35RT3014010012	1.82	1.67	1.88	12	24	1.2
1-1/2 x 1 x 1-1/2	35RT3014010014	1.94	1.80	1.94	12	24	1.3
1-1/2 x 1-1/4	35RT3014012	1.82	1.82	1.88	12	24	1.4
1-1/2 x 1-1/4 x 1/2	35RT3014012004	1.41	1.34	1.66	16	32	0.9
1-1/2 x 1-1/4 x 3/4	35RT3014012006	1.52	1.45	1.75	16	32	1.0
1-1/2 x 1-1/4 x 1	35RT3014012010	1.65	1.58	1.80	16	32	1.1
1-1/2 x 1-1/4 x 1-1/4	35RT3014012012	1.82	1.75	1.88	14	28	1.3
1-1/2 x 1-1/4 x 1-1/2	35RT3014012014	1.94	1.88	1.94	14	28	1.4
2 x 1/2	35RT3020004	1.49	1.49	1.88	10	20	1.5
2 x 3/4	35RT3020006	1.60	1.60	1.97	10	20	1.6
2 x 1	35RT3020010	1.73	1.73	2.02	8	16	1.7
2 x 1 x 2	35RT3020010020	2.25	2.02	2.25	8	16	1.9
2 x 1-1/4	35RT3020012	1.90	1.90	2.10	8	16	1.9
2 x 1-1/4 x 2	35RT3020012020	2.25	2.10	2.25	8	16	2.0
2 x 1-1/2	35RT3020014	2.02	2.02	2.16	8	16	2.1
2 x 1-1/2 x 1/2	35RT3020014004	1.49	1.41	1.88	10	20	1.3
2 x 1-1/2 x 3/4	35RT3020014006	1.60	1.52	1.97	10	20	1.4
2 x 1-1/2 x 1	35RT3020014010	1.73	1.65	2.02	8	16	1.5
2 x 1-1/2 x 1-1/4	35RT3020014012	1.90	1.82	2.10	8	16	1.7
2 x 1-1/2 x 1-1/2	35RT3020014014	2.02	1.94	2.16	8	16	1.8

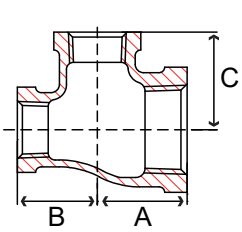


Fig. 35BT3 – Bull Head Tee

Size in	Part Number	A in	B in	C in	Packing Inner	Packing Master	Weight lb
3/4 x 1	35BT3006010	1.45	1.45	1.37	30	60	0.6
1 x 1-1/4	35BT3010012	1.67	1.67	1.58	20	40	0.9
1 x 1-1/2	35BT3010014	1.80	1.80	1.65	15	30	1.0
1-1/4 x 1 x 1-1/2	35BT3012010014	1.88	1.80	1.82	15	30	1.2
1-1/4 x 1-1/2	35BT3012014	1.88	1.88	1.82	15	30	1.3
1-1/4 x 2	35BT3012020	2.10	2.10	1.90	10	20	1.6
1-1/2 x 1-1/4 x 2	35BT3014012020	2.16	2.10	2.02	10	20	1.8
1-1/2 x 2	35BT3014020	2.16	2.16	2.02	8	16	1.8

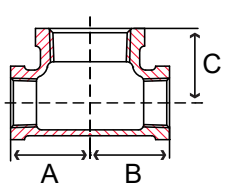
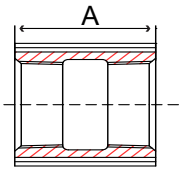
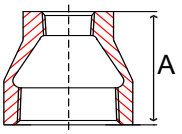


Fig. 35CP3 – Straight Coupling with Ribs



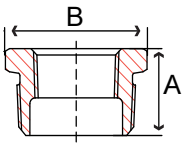
Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/2	35CP3004	1.38	200	400	0.1
3/4	35CP3006	1.63	100	200	0.2
1	35CP3010	1.75	60	120	0.4
1-1/4	35CP3012	2.00	35	70	0.5
1-1/2	35CP3014	2.19	25	50	0.7
2	35CP3020	2.62	15	30	1.2
2-1/2	35CP3024	3.00	9	18	2.2

Fig. 35RC3 – Hex Reducing Coupling



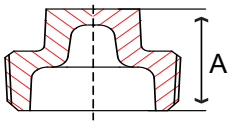
Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1 x 1/2	35RC3010004	1.69	80	160	0.3
1 x 3/4	35RC3010006	1.69	60	120	0.4
1-1/4 x 3/4	35RC3012006	2.06	40	80	0.6
2 x 1 (not hex)	35RC3020010	2.81	20	40	1.0

Fig. 35HB3 – Hex Bushing



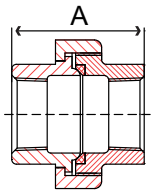
Size in	Part Number	A in	B in	Packing		Weight lb
				Inner	Master	
1 x 1/2	35HB3010004	1.06	1.40	180	360	0.2
1 x 3/4	35HB3010006	1.06	1.40	180	360	0.1
1-1/4 x 1	35HB3012010	1.19	1.80	90	180	0.2
1-1/2 x 1	35HB3014010	1.25	1.95	75	150	0.4
1-1/2 x 1-1/4	35HB3014012	1.25	1.95	75	150	0.3
2 x 1	35HB3020010	1.38	2.55	40	80	0.6
2 x 1-1/4	35HB3020012	1.38	2.55	40	80	0.6
2 x 1-1/2	35HB3020014	1.38	2.55	40	80	0.6

Fig. 35SP3 – Square Head Plug



Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/2	35SP3004	0.94	600	1200	0.07
3/4	35SP3006	1.12	350	700	0.1
1	35SP3010	1.25	200	400	0.1
1-1/4	35SP3012	1.37	100	200	0.3
1-1/2	35SP3014	1.44	80	160	0.4
2	35SP3020	1.50	45	90	0.6

Fig. 35U 3 – Union with Brass Seat



Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1	35U 3010	2.19	20	40	1.0
1-1/4	35U 3012	2.50	15	30	1.2
1-1/2	35U 3014	2.62	10	20	1.7
2	35U 3020	3.12	6	12	2.4

Fig. 35X 3 – Cross

Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1	35X 3010	1.50	20	40	0.9
1-1/4	35X 3012	1.75	12	24	1.4
1-1/2	35X 3014	1.94	8	16	1.8
2	35X 3020	2.25	6	12	2.8

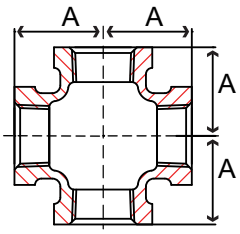


Fig. 35RX3 – Reducing Cross

Size in	Part Number	A in	B in	Packing		Weight lb
				Inner	Master	
1-1/4 x 1	35RX3012010	1.67	1.58	15	30	1.2
1-1/2 x 1	35RX3014010	1.80	1.65	12	24	1.4
2 x 1	35RX3020010	2.02	1.73	8	16	2.0

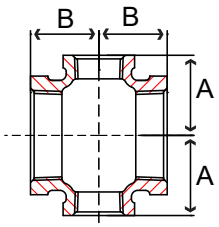


Fig. 35C 3 – Cap

Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
1/2	35C 3004	0.87	300	600	0.1
3/4	35C 3006	0.97	200	400	0.1
1	35C 3010	1.16	110	220	0.2
1-1/4	35C 3012	1.28	70	140	0.4
1-1/2	35C 3014	1.33	50	100	0.5
2	35C 3020	1.45	25	50	0.8
2-1/2	35C 3024	1.70	18	36	1.6

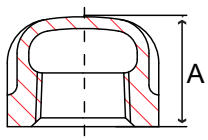
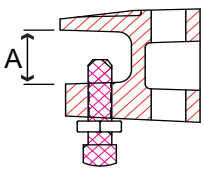


Fig. 35BC3 – Beam Clamp

Size in	Part Number	A in	Packing		Weight lb
			Inner	Master	
3/8	35BC3003	0.75	100	200	0.3
1/2	35BC3004	0.75	80	160	0.5



COOPLET®
Weld Outlets & Adapter Nipples

COOPLET®
Weld Outlets & Adapter Nipples

Weld Outlet Specifications

- SCI® Branded COOPLET® Weld Outlets are UL Listed and FM Approved at 300 psi
- COOPLET® Weld Outlets (Threaded) conform to ASTM A-106, ASME B1.20.1
- COOPLET® Grooved Weld Outlets are made from Sch 40 Pipe, ASTM A-53 Grade A
- COOPLET® Grooved Weld Outlets size-on-size are UL Listed Only
- All Grooves are cut grooved per AWWA C606
- ProPak™ Packaging
- Intended for use on fire protection systems

c UL us LISTED

FM APPROVED

COOPLET® Weld Outlets are UL Listed and FM Approved for use on Sch 10, Sch 40 and the following sprinkler pipe

Pipe Name	Manufacturers
Dyna- Thread®, Central- Thread®, XL® , XL-II® , Dyna-Flow®, Super 40®, Super- Flo®, TL®, Central 7 ®, BLT ®	Allied Tube and Conduit Corp.
Eddylite®, Eddy Flow®, Eddy Thread 40®	Bull Moose Tube Co.
Gal-7®	IDOD Systems Co.
EZ-Flow®	Northwest Pipe Company
WLS®, Mega Flow®, Mega- Thread®, MLT®, GL®	Wheatland Tube Company
Steady Flow®, Steady Thread®	Welded Tube Corp.
Fire-Flo®, Ez- Thread®	Youngstown Tube Co.
Tex- Flow®	Tex- Tube International
Fire Line Flow®, Rapid Thread®, Rapid-Thread Light®	Western International Forest Products Inc.

Adapter Nipple Specifications

- Sch 40 COOPLET® Adapter Nipples conform to ASTM A-53, Grade A, ASME B1.20.1, ASME B36.10, and AWWA C-606
- Sch 80 COOPLET® Adapter Nipples conform to ASTM A-106, ASME B1.20.1, ASME B36.10, and AWWA C-606
- All grooves are cut grooved per AWWA 606

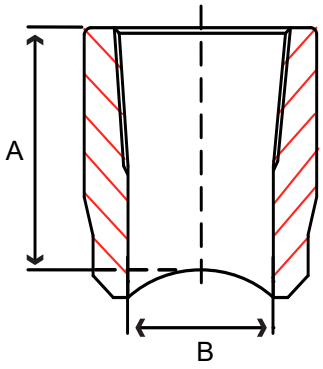
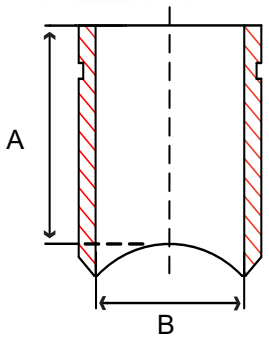


Fig. 61FT1 – Threaded Weld Outlet

Size in	Pipe Run Size	Part Number	A in	B in	Packing		Weight lb
					Inner	Master	
1/2	1 to 1-1/2	61FT1004010	1.063	0.750	50	400	0.1
1/2	2 to 2-1/2	61FT1004020	1.063	0.750	50	400	0.1
1/2	3 to 8	61FT1004030	1.063	0.750	50	400	0.1
3/4	1 to 1-1/2	61FT1006010	1.125	0.875	50	300	0.2
3/4	2 to 2-1/2	61FT1006020	1.125	0.875	50	300	0.2
3/4	2-1/2	61FT1006024	1.125	0.875	50	300	0.2
3/4	3 to 8	61FT1006030	1.125	0.875	50	300	0.2
1	1-1/4 to 1-1/2	61FT1010012	1.250	1.125	50	200	0.2
1	1-1/2	61FT1010014	1.250	1.125	50	200	0.2
1	2 to 2-1/2	61FT1010020	1.250	1.125	50	200	0.2
1	2-1/2	61FT1010024	1.250	1.125	50	200	0.2
1	3 to 4	61FT1010030	1.250	1.125	50	200	0.2
1	5 to 8	61FT1010060	1.250	1.125	50	200	0.2
1-1/4	1-1/2	61FT1012014	1.375	1.500	70	140	0.3
1-1/4	2	61FT1012020	1.375	1.500	70	140	0.3
1-1/4	2-1/2	61FT1012024	1.375	1.500	70	140	0.3
1-1/4	3 to 4	61FT1012030	1.375	1.500	70	140	0.3
1-1/4	5 to 8	61FT1012060	1.375	1.500	70	140	0.3
1-1/2	2	61FT1014020	1.625	1.625	50	100	0.5
1-1/2	2-1/2	61FT1014024	1.625	1.625	50	100	0.5
1-1/2	3	61FT1014030	1.625	1.625	50	100	0.5
1-1/2	4 to 5	61FT1014040	1.625	1.625	50	100	0.5
1-1/2	6 to 8	61FT1014060	1.625	1.625	50	100	0.5
2	2-1/2	61FT1020024	1.750	2.000	25	50	0.8
2	3	61FT1020030	1.750	2.000	25	50	0.8
2	4 to 5	61FT1020040	1.750	2.000	25	50	0.8
2	6 to 8	61FT1020060	1.750	2.000	25	50	0.8
2-1/2	3	61FT1024030	2.215	2.500	15	30	1.4
2-1/2	4	61FT1024040	2.215	2.500	15	30	1.4
2-1/2	6	61FT1024060	2.215	2.500	15	30	1.4
2-1/2	8	61FT1024080	2.215	2.500	15	30	1.4
3	4	61FT1030040	2.500	3.000	8	16	2.4
3	6	61FT1030060	2.500	3.000	8	16	2.3
3	8	61FT1030080	2.500	3.000	8	16	2.3
4	6	61FT1040060	3.000	4.000	4	8	4.1
4	8	61FT1040080	3.000	4.000	4	8	4.0



All Grooves are Cut Grooved

Fig. 61CG1 – Grooved Weld Outlet (size on size)*

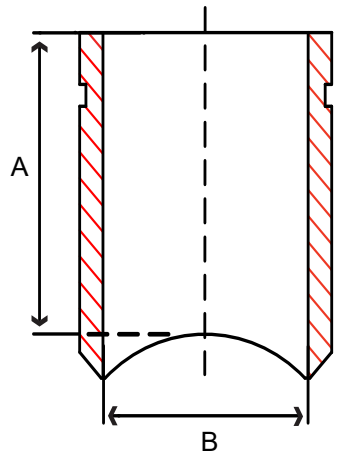
Size in	Pipe Run Size	Part Number	A in	B in	Packing		Weight lb
					Inner	Master	
1-1/4	1-1/4	61CG1012012	3.00	1.38	40	80	0.5
1-1/2	1-1/2	61CG1014014	3.00	1.61	25	50	0.6
2	2	61CG1020020	3.00	2.00	16	32	0.8
2-1/2	2-1/2	61CG1024024	3.00	2.50	12	24	1.3
3	3	61CG1030030	3.00	3.00	6	12	1.8
4	4	61CG1040040	4.00	4.00	4	8	3.5
6	6	61CG1060060	4.00	6.00	-	2	6.5
8	8	61CG1080080	4.00	8.00	-	2	11.6

*Size on Size Grooved Weld Outlets are UL Listed Only

c UL us LISTED FM APPROVED

Fig. 61CG1 – Grooved Weld Outlet

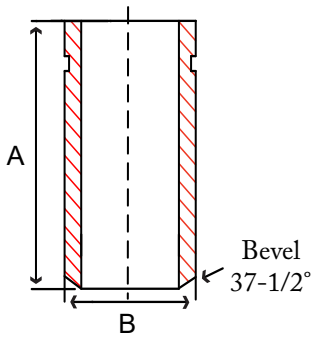
Size in	Pipe Run Size	Part Number	A in	B in	Packing		Weight lb
					Inner	Master	
1-1/4	1-1/2	61CG1012014	3.00	1.38	40	80	0.5
1-1/4	2	61CG1012020	3.00	1.38	40	80	0.5
1-1/4	2-1/2	61CG1012024	3.00	1.38	40	80	0.5
1-1/4	3	61CG1012030	3.00	1.38	40	80	0.5
1-1/4	4 to 5	61CG1012040	3.00	1.38	40	80	0.5
1-1/4	6 to 8	61CG1012060	3.00	1.38	40	80	0.5
1-1/2	2	61CG1014020	3.00	1.61	25	50	0.6
1-1/2	2-1/2	61CG1014024	3.00	1.61	25	50	0.6
1-1/2	3	61CG1014030	3.00	1.61	25	50	0.6
1-1/2	4 to 5	61CG1014040	3.00	1.61	25	50	0.6
1-1/2	6 to 8	61CG1014060	3.00	1.61	25	50	0.6
2	2-1/2	61CG1020024	3.00	2.00	16	32	0.8
2	3	61CG1020030	3.00	2.00	16	32	0.8
2	4 to 5	61CG1020040	3.00	2.00	16	32	0.8
2	6	61CG1020060	3.00	2.00	16	32	0.8
2	8	61CG1020080	3.00	2.00	16	32	0.8
2-1/2	3	61CG1024030	3.00	2.50	12	24	1.3
2-1/2	4 to 5	61CG1024040	3.00	2.50	12	24	1.3
2-1/2	6	61CG1024060	3.00	2.50	12	24	1.3
2-1/2	8	61CG1024080	3.00	2.50	12	24	1.3
3	4	61CG1030040	3.00	3.00	6	12	1.8
3	6	61CG1030060	3.00	3.00	6	12	1.8
3	8	61CG1030080	3.00	3.00	6	12	1.7
4	6	61CG1040060	4.00	4.00	4	8	3.5
4	8	61CG1040080	4.00	4.00	4	8	3.4
6	8	61CG1060080	4.00	6.00	-	2	6.5



All Grooves are Cut Grooved

Fig. 61GB4 – Schedule 40 Grooved x Bevel Adapter Nipple

Size in	Part Number	A in	B in	Master	Weight lb
1 x 3	61GB4010030	3.00	1.32	150	0.3
1 x 4	61GB4010040	4.00	1.32	100	0.5
1-1/4 x 4	61GB4012040	4.00	1.66	50	0.6
1-1/2 x 4	61GB4014040	4.00	1.90	50	0.7
2 x 4	61GB4020040	4.00	2.38	25	1.1
2-1/2 x 4	61GB4024040	4.00	2.88	27	1.6
3 x 4	61GB4030040	4.00	3.50	18	2.4
4 x 6	61GB4040060	6.00	4.50	8	5.1
5 x 6	61GB4050060	6.00	5.56	2	6.6
6 x 6	61GB4060060	6.00	6.63	2	8.6
8 x 6	61GB4080060	6.00	8.63	2	13.2



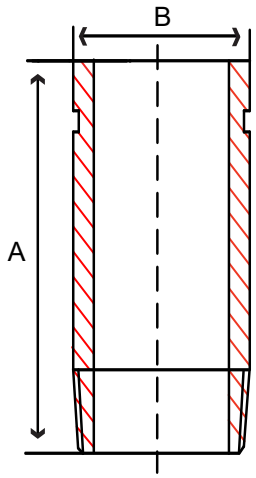


Fig. 61TG4 – Schedule 40 Threaded x Grooved Adapter Nipple

Size in	Part Number	A in	B in	TPI	Master	Weight lb
1 x 4	61TG4010040	4.00	1.32	11.5	100	0.5
1-1/4 x 4	61TG4012040	4.00	1.66	11.5	50	0.6
1-1/2 x 4	61TG4014040	4.00	1.90	11.5	50	0.7
1-1/2 x 12	61TG4014120	12.00	1.90	11.5	15	2.6
2 x 3	61TG4020030	3.00	2.38	11.5	50	0.7
2 x 4	61TG4020040	4.00	2.38	11.5	25	1.0
2 x 6	61TG4020060	6.00	2.38	11.5	25	1.7
2 x 8	61TG4020080	8.00	2.38	11.5	18	2.3
2 x 10	61TG4020100	10.00	2.38	11.5	14	2.9
2 x 12	61TG4020120	12.00	2.38	11.5	14	3.5
2-1/2 x 4	61TG4024040	4.00	2.88	8.0	27	1.6
2-1/2 x 12	61TG4024120	12.00	2.88	8.0	9	5.5
3 x 2-5/8	61TG4030025	2.62	3.50	8.0	24	1.3
3 x 3	61TG4030030	3.00	3.50	8.0	24	1.5
3 x 4	61TG4030040	4.00	3.50	8.0	18	2.1
3 x 6	61TG4030060	6.00	3.50	8.0	12	3.4
3 x 8	61TG4030080	8.00	3.50	8.0	8	4.7
3 x 10	61TG4030100	10.00	3.50	8.0	6	5.9
3 x 12	61TG4030120	12.00	3.50	8.0	6	7.2
4 x 3	61TG4040030	3.00	4.50	8.0	12	1.6
4 x 4	61TG4040040	4.00	4.50	8.0	12	2.6
4 x 6	61TG4040060	6.00	4.50	8.0	8	4.9
4 x 8	61TG4040080	8.00	4.50	8.0	5	6.7
4 x 10	61TG4040100	10.00	4.50	8.0	4	8.5
4 x 12	61TG4040120	12.00	4.50	8.0	4	10.3
5 x 6	61TG4050060	6.00	5.56	8.0	2	6.6
5 x 12	61TG4050120	12.00	5.56	8.0	1	13.9
6 x 6	61TG4060060	6.00	6.63	8.0	2	8.6
6 x 12	61TG4060120	12.00	6.63	8.0	1	18.1
8 x 6	61TG4080060	6.00	8.63	8.0	1	13.2
8 x 12	61TG4080120	12.00	8.63	8.0	1	27.5

Fig. 61TG8 – Schedule 80 Threaded x Grooved Adapter Nipple

Size in	Part Number	A in	B in	TPI	Master	Weight lb
2 x 3	61TG8020030	3.00	2.38	11.5	50	1.1
2 x 4	61TG8020040	4.00	2.38	11.5	25	1.5
2 x 6	61TG8020060	6.00	2.38	11.5	25	2.3
2 x 8	61TG8020080	8.00	2.38	11.5	18	3.2
2 x 10	61TG8020100	10.00	2.38	11.5	12	4.0
2 x 12	61TG8020120	12.00	2.38	11.5	12	4.9
3 x 2-5/8	61TG8030025	2.62	3.50	8.0	24	1.9
3 x 3	61TG8030030	3.00	3.50	8.0	24	2.2
3 x 4	61TG8030040	4.00	3.50	8.0	18	3.0
3 x 6	61TG8030060	6.00	3.50	8.0	12	4.7
3 x 8	61TG8030080	8.00	3.50	8.0	8	6.5
3 x 10	61TG8030100	10.00	3.50	8.0	6	8.2
3 x 12	61TG8030120	12.00	3.50	8.0	6	9.9
4 x 3	61TG8040030	3.00	4.50	8.0	12	3.2
4 x 4	61TG8040040	4.00	4.50	8.0	12	4.5
4 x 6	61TG8040060	6.00	4.50	8.0	8	7.0
4 x 8	61TG8040080	8.00	4.50	8.0	5	9.5
4 x 10	61TG8040100	10.00	4.50	8.0	4	12.0
4 x 12	61TG8040120	12.00	4.50	8.0	4	14.5

Fig. 61GG4 – Schedule 40 Grooved x Grooved Adapter Nipple

Size in	Part Number	A in	B in	Master	Weight lb
2 x 3	61GG4020030	3.00	2.38	50	0.8
2 x 4	61GG4020040	4.00	2.38	50	1.1
2 x 6	61GG4020060	6.00	2.38	25	1.7
2 x 8	61GG4020080	8.00	2.38	18	2.3
2 x 10	61GG4020100	10.00	2.38	14	2.9
2 x 12	61GG4020120	12.00	2.38	14	3.5
3 x 2-5/8	61GG4030025	2.62	3.50	24	1.5
3 x 3	61GG4030030	3.00	3.50	24	1.7
3 x 4	61GG4030040	4.00	3.50	18	2.4
3 x 6	61GG4030060	6.00	3.50	12	3.6
3 x 8	61GG4030080	8.00	3.50	8	4.9
3 x 10	61GG4030100	10.00	3.50	6	6.2
3 x 12	61GG4030120	12.00	3.50	6	7.4
4 x 3	61GG4040030	3.00	4.50	12	2.4
4 x 4	61GG4040040	4.00	4.50	12	3.3
4 x 6	61GG4040060	6.00	4.50	8	5.1
4 x 8	61GG4040080	8.00	4.50	5	6.9
4 x 10	61GG4040100	10.00	4.50	4	8.7
4 x 12	61GG4040120	12.00	4.50	4	10.3
5 x 6	61GG4050060	6.00	5.56	2	7.0
5 x 12	61GG4050120	12.00	5.56	1	14.0
6 x 6	61GG4060060	6.00	6.63	2	9.1
6 x 12	61GG4060120	12.00	6.63	1	18.2
8 x 6	61GG4080060	6.00	8.63	2	13.7
8 x 12	61GG4080120	12.00	8.63	1	27.4

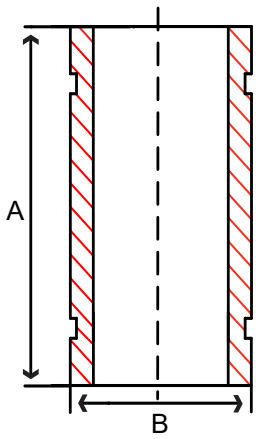


Fig. 61GG8 – Schedule 80 Grooved x Grooved Adapter Nipple

Size in	Part Number	A in	B in	Master	Weight lb
2 x 3	61GG8020030	3.00	2.38	50	1.1
2 x 4	61GG8020040	4.00	2.38	25	1.5
2 x 6	61GG8020060	6.00	2.38	25	2.4
2 x 8	61GG8020080	8.00	2.38	18	3.2
2 x 10	61GG8020100	10.00	2.38	12	4.1
2 x 12	61GG8020120	12.00	2.38	12	4.9
3 x 2-5/8	61GG8030025	2.62	3.50	24	2.1
3 x 3	61GG8030030	3.00	3.50	24	2.4
3 x 4	61GG8030040	4.00	3.50	18	3.3
3 x 6	61GG8030060	6.00	3.50	12	5.0
3 x 8	61GG8030080	8.00	3.50	8	6.7
3 x 10	61GG8030100	10.00	3.50	6	8.4
3 x 12	61GG8030120	12.00	3.50	6	10.1
4 x 3	61GG8040030	3.00	4.50	12	3.4
4 x 4	61GG8040040	4.00	4.50	12	4.7
4 x 6	61GG8040060	6.00	4.50	8	7.2
4 x 8	61GG8040080	8.00	4.50	5	9.7
4 x 10	61GG8040100	10.00	4.50	4	12.2
4 x 12	61GG8040120	12.00	4.50	4	14.7

Ductile Iron
Flanged Fittings and Flanges

Flanged Fittings and Flanges

Flanged Fittings Class 150 & 300 Specifications

- SCI Branded fittings
- Flanged fittings UL Listed through 12”
- Ductile iron conform to ASTM A536
- Flanged fitting dimensions conform to ASME B16.42 and ANSI/AWWA C110/A21.10
- Manufacturing facility is ISO 9001:2008
- Galvanizing available upon request
- Flange dimensional details on page 256 - 258

Ductile Iron Flanges Class 150 & 300 Specifications

- Ductile iron conform to ASTM A536
- Flange dimensions, drilling and materials in accorance with AWWA C110 / ASME B16.42
- Hot-dipped galvanized flanges conform to ASTM A153
- Companion flange threads conform to ASME B1.20.1
- Manufacturing facility is ISO 9001:2008

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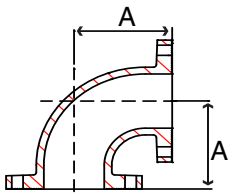
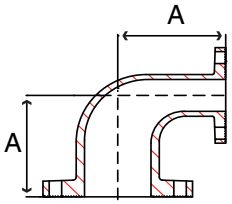
Fig. 38E 1 – 90° Elbow



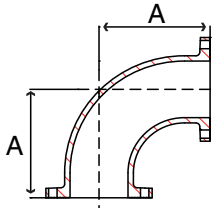
Size in	Part Number	A in	Weight lb
1-1/4	38E 1012D	3.8	9
2	38E 1020D	4.5	14
2-1/2	38E 1024D	5.0	19
3	38E 1030D	5.5	25
3-1/2	38E 1034D	6.0	25
4	38E 1040D	6.5	45
5	38E 1050D	7.5	52
6	38E 1060D	8.0	65
8	38E 1080	9.0	105
10	38E 1100	11.0	165
12	38E 1120	12.0	255
14	38E 1140	14.0	353
16	38E 1160	15.0	430
18	38E 1180	16.5	450
20	38E 1200	18.0	580
24	38E 1240	22.0	900

Fig. 38RE1 – 90° Reducing Elbow



Size in	Part Number	A in	Weight lb
3 x 2	38RE1030020D	5.5	22
3 x 2-1/2	38RE1030024D	5.5	22
4 x 2	38RE1040020D	6.5	29
4 x 2-1/2	38RE1040024D	6.5	31
4 x 3	38RE1040030D	6.5	29
5 x 4	38RE1050040D	7.5	50
6 x 3	38RE1060030D	8.0	50
6 x 4	38RE1060040D	8.0	55
6 x 5	38RE1060050D	8.0	65
8 x 4	38RE1080040	9.0	80
8 x 5	38RE1080050	9.0	85
8 x 6	38RE1080060	9.0	85
10 x 6	38RE1100060	11.0	130
10 x 8	38RE1100080	11.0	150
12 x 6	38RE1120060	12.0	188
12 x 8	38RE1120080	12.0	185
12 x 10	38RE1120100	12.0	210
16 x 12	38RE1160120	15.0	310

Fig. 38LE1 – 90° Long Radius Elbow



Size in	Part Number	A in	Weight lb
3	38LE1030D	7.8	30
4	38LE1040D	9.0	50
6	38LE1060D	11.5	85
8	38LE1080	14.0	145
10	38LE1100	16.5	225
12	38LE1120	19.0	325
14	38LE1140	21.5	385
20	38LE1200	29.0	810
24	38LE1240	34.0	1,240

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Fig. 38BE1 – 90° Base Elbow

Size in	Part Number	A in	B in	Weight lb
3	38BE1030D	5.5	4.9	35
4	38BE1040D	6.5	5.5	55
6	38BE1060D	8.0	7.0	85
8	38BE1080	9.0	8.8	145
10	38BE1100	11.0	9.8	220
12	38BE1120	12.0	11.3	324
16	38BE1160	15.0	13.8	445

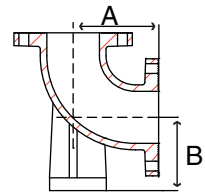

Fig. 38OE1 – 90° Side Outlet Elbow

Size in	Part Number	A in	Weight lb
4	38OE1040D	6.5	60
6	38OE1060D	8.0	95

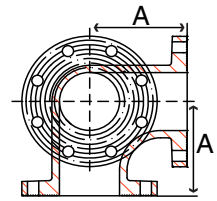

Fig. 38F 1 – 45° Elbow

Size in	Part Number	A in	Weight lb
2	38F 1020D	2.5	12
2-1/2	38F 1024D	3.0	17
3	38F 1030D	3.0	20
4	38F 1040D	4.0	40
5	38F 1050D	4.5	45
6	38F 1060D	5.0	55
8	38F 1080	5.5	90
10	38F 1100	6.5	135
12	38F 1120	7.5	220
14	38F 1140	7.5	220
16	38F 1160	8.0	280
18	38F 1180	8.5	325
24	38F 1240	11.0	630

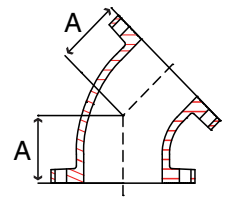

Fig. 38TT1 – 22-1/2° Elbow

Size in	Part Number	A in	Weight lb
4	38TT1040D	4.0	40
6	38TT1060D	5.0	55
8	38TT1080	5.5	90
12	38TT1120	7.5	195

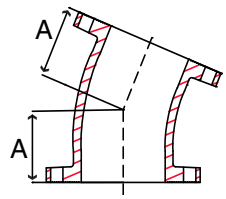

Fig. 38EL1 – 11-1/4° Elbow

Size in	Part Number	A in	Weight lb
4	38EL1040D	4.0	40
6	38EL1060D	5.0	55
8	38EL1080	5.5	90
10	38EL1100	6.5	135
12	38EL1120	7.5	205

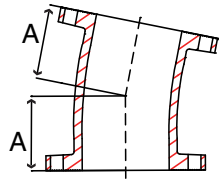

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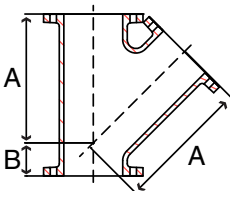
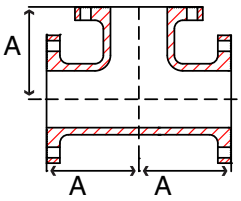
Fig. 38LT1 – Lateral



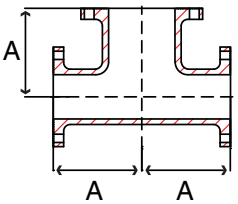
Size in	Part Number	A in	B in	Weight lb
3	38LT1030D	10.0	3.0	45
4	38LT1040D	12.0	3.0	75
6	38LT1060D	14.5	3.5	120
8	38LT1080	17.5	4.5	200
10	38LT1100	20.5	5.0	335
12	38LT1120	24.5	5.5	515
16	38LT1160	30.0	6.5	805

Fig. 38T 1 – Tee



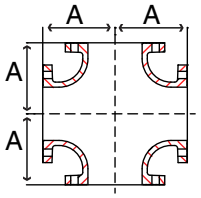
Size in	Part Number	A in	Weight lb
2	38T 1020D	4.5	20
2-1/2	38T 1024D	5.0	30
3	38T 1030D	5.5	40
4	38T 1040D	6.5	65
5	38T 1050D	7.5	85
6	38T 1060D	8.0	95
8	38T 1080	9.0	155
10	38T 1100	11.0	270
12	38T 1120	12.0	385
14	38T 1140	14.0	435
16	38T 1160	15.0	550
18	38T 1180	16.5	665
20	38T 1200	18.0	855
24	38T 1240	22.0	1,330

Fig. 38BT1 – Bull Head Tee



Size in	Part Number	A in	Weight lb
4 x 6	38BT1040060D	8.00	88
6 x 8	38BT1060080	9.00	142
8 x 10	38BT1080100	11.00	240

Fig. 38X 1 – Cross



Size in	Part Number	A in	Weight lb
3	38X 1030D	5.5	50
4	38X 1040D	6.5	80
6	38X 1060D	8.0	120
8	38X 1080	9.0	195
10	38X 1100	11.0	330
12	38X 1120	12.0	460
14	38X 1140	14.0	530
16	38X 1160	15.0	665
18	38X 1180	16.5	795
20	38X 1200	18.0	1,001
24	38X 1240	22.0	1,570

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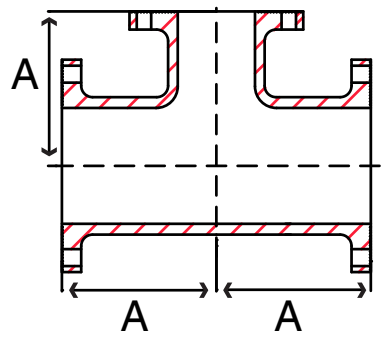
Fig. 38RT1 – Reducing Tee cont.

Size in	Part Number	A in	Weight lb
2-1/2 x 1-1/2	38RT1024014D	5.0	29
2-1/2 x 2 x 2	38RT1024020020D	5.0	29
2-1/2 x 2	38RT1024020D	5.0	50
3 x 2	38RT1030020D	5.5	35
3 x 2-1/2	38RT1030024D	5.5	34
4 x 2	38RT1040020D	6.5	50
4 x 2-1/2	38RT1040024D	6.5	55
4 x 3	38RT1040030D	6.5	60
5 x 2	38RT1050020D	7.5	85
5 x 4	38RT1050040D	7.5	85
6 x 2	38RT1060020D	8.0	85
6 x 3	38RT1060030D	8.0	85
6 x 4 x 4	38RT1060040040D	8.0	90
6 x 4 x 6	38RT1060040060D	8.0	95
6 x 4	38RT1060040D	8.0	90
6 x 5 x 5	38RT1060050050D	8.0	85
6 x 5	38RT1060050D	8.0	110
8 x 3	38RT1080030	9.0	135
8 x 4	38RT1080040	9.0	135
8 x 4 x 8	38RT1080040080	9.0	140
8 x 5	38RT1080050	9.0	149
8 x 6	38RT1080060	9.0	145
8 x 6 x 6	38RT1080060060	9.0	145
8 x 6 x 8	38RT1080060080	9.0	160
10 x 3	38RT1100030	11.0	210
10 x 4	38RT1100040	11.0	202
10 x 6	38RT1100060	11.0	215
10 x 8	38RT1100080	11.0	225
10 x 8 x 8	38RT1100080080	11.0	240
10 x 8 x 10	38RT1100080100	11.0	262
12 x 6	38RT1120060	12.0	295
12 x 8	38RT1120080	12.0	310
12 x 10	38RT1120100	12.0	360
14 x 6	38RT1140060	14.0	375
14 x 10	38RT1140100	14.0	400
14 x 12	38RT1140120	14.0	425
16 x 10	38RT1160100	15.0	495
16 x 12	38RT1160120	15.0	520
18 x 6	38RT1180060	16.5	480
18 x 8	38RT1180080	16.5	495
18 x 12	38RT1180120	16.5	535
20 x 6	38RT1200060	18.0	610
20 x 12	38RT1200120	18.0	778
24 x 16	38RT1240160	22.0	915
24 x 18	38RT1240180	22.0	1220
24 x 20	38RT1240200	22.0	1255



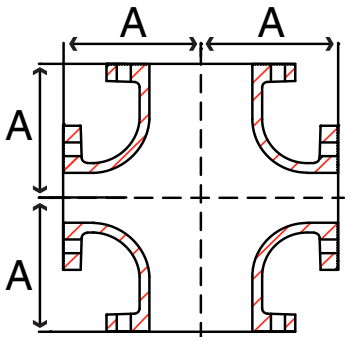


Fig. 38RX1 – Reducing Cross

Size in	Part Number	A in	Weight lb
6 x 4	38RX1060040D	8.0	110
6 x 5	38RX1060050D	8.0	110
8 x 4	38RX1080040	9.0	155
8 x 6	38RX1080060	9.0	165
10 x 4	38RX1100040	11.0	220
10 x 6	38RX1100060	11.0	240
10 x 8	38RX1100080	11.0	265
12 x 4	38RX1120040	12.0	310
12 x 8	38RX1120080	12.0	345
12 x 10	38RX1120100	12.0	415
14 x 6	38RX1140060	14.0	425
16 x 8	38RX1160080	15.0	520
18 x 14	38RX1180140	16.5	680
20 x 6	38RX1200060	18.0	745
20 x 10	38RX1200100	18.0	685
20 x 18	38RX1200180	18.0	945
24 x 18	38RX1240180	22.0	1365

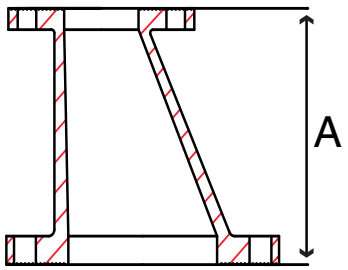


Fig. 38ER1 – Eccentric Reducer

Size in	Part Number	A in	Weight lb
3 x 2	38ER1030020D	6.0	16
3 x 2-1/2	38ER1030024D	6.0	20
4 x 2	38ER1040020D	7.0	25
4 x 2-1/2	38ER1040024D	7.0	28
4 x 3	38ER1040030D	7.0	30
5 x 2-1/2	38ER1050024D	8.0	35
5 x 4	38ER1050040D	8.0	39
6 x 3	38ER1060030D	9.0	40
6 x 4	38ER1060040D	9.0	45
6 x 5	38ER1060050D	9.0	50
8 x 4	38ER1080040	11.0	65
8 x 5	38ER1080050	11.0	70
8 x 6	38ER1080060	11.0	75
10 x 6	38ER1100060	12.0	90
10 x 8	38ER1100080	12.0	110
12 x 6	38ER1120060	14.0	130
12 x 8	38ER1120080	14.0	150
12 x 10	38ER1120100	14.0	170
14 x 10	38ER1140100	16.0	190
14 x 12	38ER1140120	16.0	220
16 x 12	38ER1160120	18.0	285

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Fig. 38CR1 – Concentric Reducer

Size in	Part Number	A in	Weight lb
2 x 1-1/2	38CR1020014D	5.0	12
2-1/2 x 2	38CR1024020D	5.5	14
3 x 1-1/2	38CR1030014D	6.0	15
3 x 2	38CR1030020D	6.0	16
3 x 2-1/2	38CR1030024D	6.0	20
4 x 2	38CR1040020D	7.0	25
4 x 2-1/2	38CR1040024D	7.0	28
4 x 3	38CR1040030D	7.0	30
5 x 2	38CR1050020D	8.0	26
5 x 2-1/2	38CR1050024D	8.0	31
5 x 3	38CR1050030D	8.0	32
5 x 4	38CR1050040D	8.0	39
6 x 2	38CR1060020D	9.0	34
6 x 2-1/2	38CR1060024D	9.0	38
6 x 3	38CR1060030D	9.0	40
6 x 4	38CR1060040D	9.0	45
6 x 5	38CR1060050D	9.0	50
8 x 3	38CR1080030	11.0	60
8 x 4	38CR1080040	11.0	65
8 x 5	38CR1080050	11.0	70
8 x 6	38CR1080060	11.0	75
10 x 4	38CR1100040	12.0	85
10 x 6	38CR1100060	12.0	93
10 x 8	38CR1100080	12.0	109
12 x 4	38CR1120040	14.0	130
12 x 6	38CR1120060	14.0	130
12 x 8	38CR1120080	14.0	151
12 x 10	38CR1120100	14.0	170
14 x 6	38CR1140060	16.0	185
14 x 8	38CR1140080	16.0	175
14 x 10	38CR1140100	16.0	194
14 x 12	38CR1140120	16.0	223
16 x 8	38CR1160080	18.0	210
16 x 10	38CR1160100	18.0	258
16 x 12	38CR1160120	18.0	310
16 x 14	38CR1160140	18.0	279
18 x 6	38CR1180060	19.0	195
18 x 10	38CR1180100	19.0	265
18 x 14	38CR1180140	19.0	310
18 x 16	38CR1180160	19.0	340
20 x 6	38CR1200060	20.0	345
20 x 12	38CR1200120	20.0	345
20 x 16	38CR1200160	20.0	390
20 x 18	38CR1200180	20.0	410
24 x 10	38CR1240100	24.0	460
24 x 12	38CR1240120	24.0	480
24 x 14	38CR1240140	24.0	490
24 x 16	38CR1240160	24.0	525
24 x 18	38CR1240180	24.0	550
24 x 20	38CR1240200	24.0	590

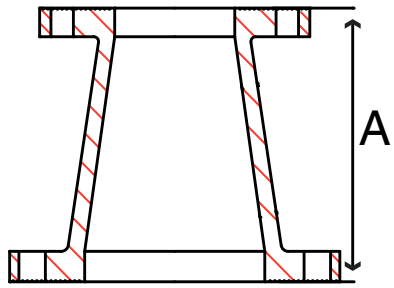
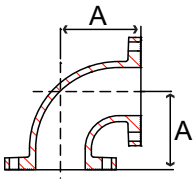
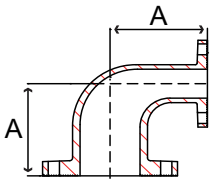


Fig. 38E 2 – 90° Elbow



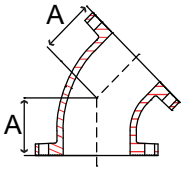
Size in	Part Number	A in	Weight lb
3	38E 2030	6.0	40
4	38E 2040	7.0	65
6	38E 2060	8.5	105
8	38E 2080	10.0	185
10	38E 2100	11.5	296

Fig. 38RE2 – 90° Reducing Elbow



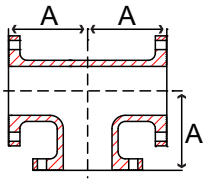
Size in	Part Number	A in	Weight lb
4 x 2-1/2	38RE2040024	7.0	48
6 x 4	38RE2060040	8.5	95
8 x 6	38RE2080060	10.0	161

Fig. 38F 2 – 45° Elbow



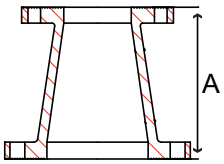
Size in	Part Number	A in	Weight lb
3	38F 2030	3.5	35
4	38F 2040	4.5	58
6	38F 2060	5.5	103
8	38F 2080	6.0	158

Fig. 38T 2 – Tee



Size in	Part Number	A in	Weight lb
2-1/2	38T 2024	5.5	46
3	38T 2030	6.0	58
4	38T 2040	7.0	99
5	38T 2050	8.0	135
6	38T 2060	8.5	180
8	38T 2080	10.0	280
10	38T 2100	11.5	430
12	38T 2120	13.0	620

Fig. 38CR2 – Concentric Reducer



Size in	Part Number	A in	Weight lb
4 x 2	38CR2040020	7.0	36
4 x 3	38CR2040030	7.0	45
6 x 4	38CR2060040	9.0	77
6 x 5	38CR2060050	9.0	85
8 x 6	38CR2080060	11.0	130
10 x 8	38CR2100080	12.0	190

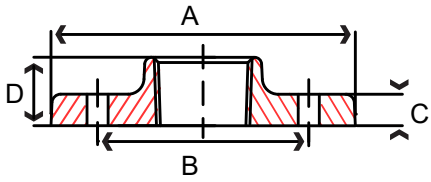


Fig. 17TH1 & 18TH1 – 150 lb. Threaded Companion Flange

Size	Part Number		A	B	C	D	Bolt Hole	Number of	Weight
in	Black	Galvanized	in	in	in	in	Size	Bolt Holes	lb
1/2	17TH1004	18TH1004	3.50	2.38	0.50	0.75	5/8	4	1
3/4	17TH1006	18TH1006	3.89	2.75	0.50	0.75	5/8	4	1
1	17TH1010	18TH1010	4.25	3.12	0.44	0.75	5/8	4	1
1-1/4	17TH1012	18TH1012	4.62	3.50	0.50	0.81	5/8	4	2
1-1/2	17TH1014	18TH1014	5.00	3.88	0.56	0.88	5/8	4	3
2	17TH1020	18TH1020	6.00	4.75	0.62	1.00	3/4	4	4
2-1/2	17TH1024	18TH1024	7.00	5.50	0.69	1.12	3/4	4	6
3	17TH1030	18TH1030	7.50	6.00	0.75	1.19	3/4	4	8
4	17TH1040	18TH1040	9.00	7.50	0.94	1.31	3/4	8	12
5	17TH1050	18TH1050	10.00	8.50	0.94	1.44	7/8	8	14
6	17TH1060	18TH1060	11.00	9.50	1.00	1.56	7/8	8	16
8	17TH1080	18TH1080	13.50	11.75	1.12	1.75	7/8	8	28
10	17TH1100	18TH1100	16.00	14.25	1.19	1.94	1	12	38
12	17TH1120	18TH1120	19.00	17.00	1.25	2.19	1	12	55

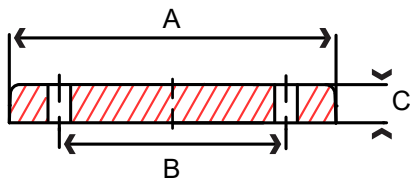


Fig. 17BL1 & 18BL1 – 150 lb. Blind Flange

Size	Part Number		A	B	C	Bolt Hole	Number of	Weight
in	Black	Galvanized	in	in	in	Size	Bolt Holes	lb
1	17BL1010	-	4.25	3.12	0.44	5/8	4	2
1-1/4	17BL1012	18BL1012	4.62	3.50	0.50	5/8	4	2
1-1/2	17BL1014	-	5.00	3.88	0.56	5/8	4	4
2	17BL1020	18BL1020	6.00	4.75	0.62	3/4	4	5
2-1/2	17BL1024	18BL1024	7.00	5.50	0.69	3/4	4	7
3	17BL1030	18BL1030	7.50	6.00	0.75	3/4	4	9
3-1/2	17BL1034	18BL1034	8.50	7.00	0.81	3/4	8	14
4	17BL1040	18BL1040	9.00	7.50	0.94	3/4	8	15
5	17BL1050	18BL1050	10.00	8.50	0.94	7/8	8	18
6	17BL1060	18BL1060	11.00	9.50	1.00	7/8	8	23
8	17BL1080	18BL1080	13.50	11.75	1.12	7/8	8	37
10	17BL1100	18BL1100	16.00	14.25	1.19	1	12	59
12	17BL1120	18BL1120	19.00	17.00	1.25	1	12	89
14	17BL1140	-	21.00	18.75	1.38	1-1/8	12	101
16	17BL1160	-	23.50	21.25	1.44	1-1/8	16	152
18	17BL1180	-	25.00	22.75	1.56	1-1/4	16	172
20	17BL1200	-	27.50	25.00	1.69	1-1/4	20	226
24	17BL1240	-	32.00	29.50	1.88	1-3/8	20	355

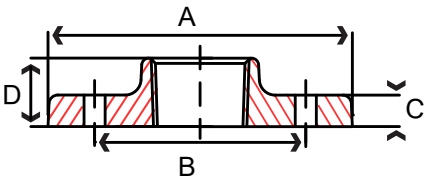


Fig. 17RT1 & 18RT1 – 150 lb. Reducing Companion Flange

Size in	Part Number		A in	B in	C in	D in	Bolt Hole Size	Number of Bolt Holes	Weight lb
	Black	Galvanized							
1 x 4-5/8	17RT1010045	-	4.62	3.50	0.50	0.81	5/8	4	3
1 x 5	17RT1010050	-	5.00	3.88	0.56	0.88	5/8	4	3
1 x 7	17RT1010070	-	7.00	5.50	0.69	1.12	3/4	4	7
1-1/4 x 6	17RT1012060	-	6.00	6.00	0.75	1.00	3/4	4	4
1-1/2 x 6	17RT1014060	18RT1014060	6.00	6.00	0.75	1.00	3/4	4	4
1-1/2 x 7	17RT1014070	18RT1014070	7.00	5.50	0.69	1.12	3/4	4	6
1-1/2 x 7-1/2	17RT1014074	-	7.50	6.00	0.75	1.19	3/4	4	9
1-1/2 x 9	17RT1014090	-	9.00	7.50	0.94	1.31	3/4	8	15
1-1/2 x 10	17RT1014100	-	10.00	8.50	0.94	1.44	7/8	8	19
1-1/2 x 11	17RT1014110	-	11.00	9.50	1.00	1.56	7/8	8	24
2 x 7	17RT1020070	18RT1020070	7.00	5.50	0.69	1.12	3/4	4	7
2 x 7-1/2	17RT1020074	18RT1020074	7.50	6.00	0.75	1.19	3/4	4	8
2 x 9	17RT1020090	18RT1020090	9.00	7.50	0.94	1.31	3/4	8	16
2 x 10	17RT1020100	-	10.00	8.50	0.94	1.44	7/8	8	17
2 x 11	17RT1020110	18RT1020110	11.00	9.50	1.00	1.56	7/8	8	23
2 x 13-1/2	17RT1020134	-	13.50	11.75	1.12	1.75	7/8	8	44
2 x 16	17RT1020160	-	16.00	14.25	1.19	1.94	1	12	60
2 x 19	17RT1020190	-	19.00	17.00	1.25	2.19	1	12	87
2-1/2 x 7-1/2	17RT1024074	18RT1024074	7.50	6.00	0.75	1.19	3/4	4	8
2-1/2 x 9	17RT1024090	18RT1024090	9.00	7.50	0.94	1.31	3/4	8	13
2-1/2 x 10	17RT1024100	-	10.00	8.50	0.94	1.44	7/8	8	18
2-1/2 x 11	17RT1024110	18RT1024110	11.00	9.50	1.00	1.56	7/8	8	22
2-1/2 x 13-1/2	17RT1024134	-	13.50	11.75	1.12	1.75	7/8	8	40
3 x 9	17RT1030090	18RT1030090	9.00	7.50	0.94	1.31	3/4	8	13
3 x 10	17RT1030100	-	10.00	8.50	0.94	1.44	7/8	8	17
3 x 11	17RT1030110	-	11.00	9.50	1.00	1.56	7/8	8	21
3 x 13-1/2	17RT1030134	-	13.50	11.75	1.12	1.75	7/8	8	37
3-1/2 x 13-1/2	17RT1034134	-	13.50	11.75	1.12	1.75	7/8	8	39
4 x 10	17RT1040100	18RT1040100	10.00	8.50	0.94	1.44	7/8	8	14
4 x 11	17RT1040110	18RT1040110	11.00	9.50	1.00	1.56	7/8	8	21
4 x 13-1/2	17RT1040134	18RT1040134	13.50	11.75	1.12	1.75	7/8	8	35
5 x 11	17RT1050110	18RT1050110	11.00	9.50	1.00	1.56	7/8	8	20
5 x 13-1/2	17RT1050134	-	13.50	11.75	1.12	1.75	7/8	8	32
6 x 13-1/2	17RT1060134	18RT1060134	13.50	11.75	1.12	1.75	7/8	8	30
6 x 16	17RT1060160	-	16.00	14.25	1.19	1.94	1	12	55
8 x 16	17RT1080160	-	16.00	14.25	1.19	1.94	1	12	45

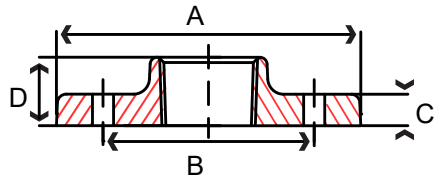


Fig. 17HF1 – 150 lb. Threaded Hydrant Flange

Size in	Part Number Black	A in	B in	C in	D in	Bolt Hole Size	Number of Bolt Holes	Weight lb
6	17HF1060	11.00	9.50	1.00	1.56	7/8	6	16

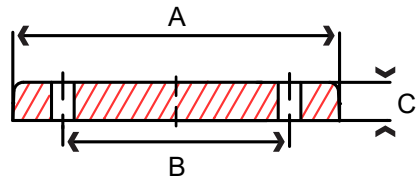


Fig. 17HB1 – 150 lb. Blind Hydrant Flange

Size in	Part Number Black	A in	B in	C in	Bolt Hole Size	Number of Bolt Holes	Weight lb
6	17HB1060	11.00	9.50	1.00	7/8	6	26

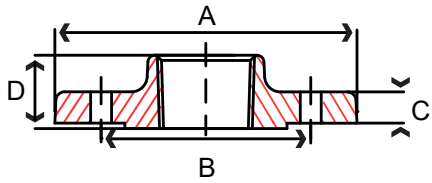


Fig. 17TH2 & 18TH2 – 300 lb. Threaded Companion Flange

Size in	Part Number Black	Part Number Galvanized	A in	B in	C in	D in	Bolt Hole Size	Number of Bolt Holes	Weight lb
2	17TH2020	18TH2020	6.50	5.00	0.88	1.25	3/4	8	7
2-1/2	17TH2024	18TH2024	7.50	5.88	1.00	1.43	7/8	8	10
3	17TH2030	18TH2030	8.25	6.62	1.12	1.56	7/8	8	14
4	17TH2040	18TH2040	10.00	7.88	1.25	1.75	7/8	8	24
6	17TH2060	-	12.50	10.60	1.44	1.94	7/8	12	39
8	17TH2080	-	15.00	13.00	1.62	2.19	1	12	58

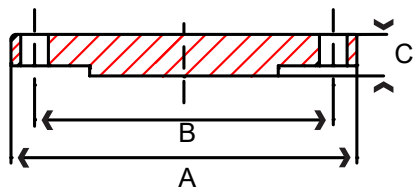


Fig. 17BL2 – 300 lb. Blind Flange

Size in	Part Number Black	A in	B in	C in	Bolt Hole Size	Number of Bolt Holes	Weight lb
2	17BL2020	6.50	5.00	0.88	3/4	8	8
2-1/2	17BL2024	7.50	5.88	1.00	7/8	8	12
3	17BL2030	8.25	6.62	1.12	7/8	8	16
4	17BL2040	10.00	7.88	1.25	7/8	8	27
5	17BL2050	11.00	9.25	1.38	7/8	8	35
6	17BL2060	12.50	10.60	1.44	7/8	12	50
8	17BL2080	15.00	13.00	1.62	1	12	81
10	17BL2100	17.50	15.25	1.88	1-1/8	16	115

All 250 lb. Flanges have 1/16 raised face

Pipe Nipples

Branded Pipe Nipples

Welded Carbon Steel Sch 40 & Sch 80 Specifications

- Black and hot-dipped galvanized steel pipe conforms to ASTM A53
- Welded steel nipples conform to ASTM A733
- NPT threads on nipples conform to ASME B1.20.1
- Manufacturing facility is ISO 9001:2008 and ISO 14001
- Import nipples have SCI Trademark and tracking number
- Domestic nipples available upon request
- Galvanized nipples are certified to; NSF/ANSI 372 and California AB1953 Lead Free

Seamless Carbon Steel Sch 80 & XXH Specifications

- Seamless steel pipe used conforms to ASTM A106 Grade B
- Seamless steel nipples conform to ASTM A733
- NPT threads on nipples conform to ASME B1.20.1
- Manufacturing facility is ISO 9001:2008 and ISO 14001
- Import nipples have SCI Trademark and heat number
- Domestic nipples available upon request

Seamless Red Brass Sch 40 Specifications

- Seamless brass pipe conforms to ASTM B43
- Seamless brass nipples conform to ASTM B687
- NPT threads on nipples conform to ASME B1.20.1
- Certified to California AB1953 Lead Free, Section 1417(d) of SDWA

Stainless Steel Sch 40 & Sch 80 Specifications

- Stainless steel nipple material conforms to ASTM A312
- Stainless steel nipple dimensions conform to ASTM A733 and ASME B36.19
- NPT threads on stainless nipples conform to ASME B1.20.1
- Manufacturing facility is ISO 9001:2008
- Hex and king combo nipples cast in conformance to ASTM A351

Note: Special end finishes and lengths available upon request

Fig. 83NI4 & 84NI4 Black and Galvanized Schedule 40 Welded Carbon Steel Pipe Nipples

Size in	Close Length in	Weight per Each (lb) / Packing (Inner/Master)																
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	7	8	9	10	11	12
1/8	3/4	0.01 25/400	0.02 25/400	0.03 25/400	0.04 25/400	0.05 25/400	0.06 25/400	0.07 25/400	0.08 25/400	0.09 25/400	0.10 25/400	0.12 25/400	0.15 25/400	0.16 25/400	0.18 25/200	0.21 25/200	0.23 25/200	0.25 25/200
1/4	7/8	0.02 25/400	0.04 25/400	0.06 25/400	0.07 25/400	0.09 25/400	0.11 25/400	0.13 25/400	0.14 25/400	0.16 25/300	0.18 25/300	0.20 25/300	0.23 25/200	0.27 25/200	0.30 25/200	0.34 20/160	0.38 20/160	0.41 20/160
3/8	1	0.03 25/400	0.06 25/400	0.09 25/400	0.11 25/400	0.14 25/400	0.16 25/300	0.19 25/300	0.22 25/200	0.24 25/200	0.27 25/200	0.30 25/200	0.35 25/150	0.40 25/150	0.46 25/100	0.51 25/100	0.56 25/100	0.62 25/100
1/2	1-1/8	0.05 25/400	0.08 25/400	0.12 25/400	0.15 25/300	0.19 25/300	0.22 25/200	0.26 25/200	0.29 25/200	0.33 25/150	0.36 25/150	0.40 25/150	0.47 25/100	0.54 25/100	0.61 25/100	0.68 25/75	0.75 25/75	0.83 25/75
3/4	1-3/8	0.08 25/400	0.10 25/400	0.15 25/300	0.20 25/300	0.24 25/200	0.29 25/200	0.34 25/150	0.39 25/150	0.43 25/100	0.48 25/100	0.53 25/100	0.62 25/75	0.72 25/75	0.81 25/50	0.91 25/50	1.00 25/50	1.09 25/50
1	1-1/2	0.14 25/200		0.16 25/200	0.23 25/150	0.30 25/150	0.37 25/100	0.44 25/100	0.51 25/100	0.58 25/75	0.65 25/75	0.72 25/50	0.86 25/50	1.00 25/50	1.14 25/50	1.28 20/40	1.42 20/40	1.56 20/40
1-1/4	1-5/8	0.21 25/150		0.27 25/100	0.36 25/100	0.45 25/100	0.55 25/50	0.64 25/50	0.74 25/50	0.83 25/50	0.93 25/50	1.02 25/50	1.21 15/30	1.40 15/30	1.59 15/30	1.78 -/30	1.97 -/30	2.16 -/30
1-1/2	1-3/4	0.26 25/100		0.32 25/100	0.43 25/50	0.55 25/50	0.66 25/50	0.77 25/50	0.89 25/50	1.00 20/40	1.11 20/40	1.23 20/40	1.45 -/35	1.68 -/35	1.91 -/35	2.13 -/15	2.36 -/15	2.59 -/15
2	2	0.46 25/50			0.61 25/50	0.76 -/50	0.91 -/25	1.07 -/25	1.22 -/25	1.37 -/25	1.52 -/25	1.68 -/25	1.98 -/18	2.28 -/18	2.59 -/18	2.89 -/14	3.20 -/14	3.50 -/14
2-1/2	2-1/2	0.75 -/36				0.95 -/36	1.19 -/27	1.43 -/27	1.67 -/24	1.91 -/18	2.16 -/18	2.40 -/18	2.88 -/14	3.36 -/12	3.85 -/12	4.33 -/9	4.81 -/9	5.30 -/9
3	2-5/8	0.99 -/24				1.19 -/24	1.50 -/18	1.82 -/18	2.14 -/16	2.45 -/12	2.77 -/12	3.08 -/12	3.72 -/9	4.35 -/8	4.98 -/8	5.61 -/6	6.24 -/6	6.88 -/6
3-1/2	2-3/4	2.08 -/15						3.03 -/12	3.41 -/10	3.79 -/8	4.17 -/8	4.55 -/8	5.31 -/5	6.10 -/5	6.83 -/5	7.59 -/4	8.34 -/4	9.11 -/4
4	2-7/8	1.74 -/15						3.59 -/12	4.04 -/10	4.49 -/8	4.94 -/8	5.39 -/8	6.29 -/5	7.19 -/5	8.09 -/5	8.99 -/4	9.89 -/4	10.79 -/4
5	3	4.26 -/4						3.83 -/4	4.31 -4	5.05 -/2	5.72 -/2	6.27 -/2	6.27 -/2	8.70 -/2	10.96 -/2	11.14 -/2	12.25 -/2	13.58 -/2
6	3-1/8	3.19 -/4						4.17 -/4	5.06 -/4	5.94 -/2	6.83 -/2	7.72 -/2	11.06 -/2	11.27 -/2	13.04 -/2	14.82 -/2	16.59 -/1	18.37 -/1
8	3-1/2	6.87 -/1										12.83 -/1	14.97 -/1	17.59 -/1	19.24 -/1	21.38 -/1	23.52 -/1	27.12 -/1

Size in	Weight per Each (lb) / Packing (Pieces / Bundle)						
	18	24	30	36	48	60	72
1/2	1.26 5	1.68 5	2.11 5	2.54 5	3.39 5	4.25 5	5.10 5
3/4	1.67 5	2.23 5	2.80 5	3.37 5	3.94 5	5.64 5	6.78 5
1	18.03 5	13.25 5	4.09 5	4.93 5	6.60 5	8.28 5	9.96 5
1-1/4	3.30 2	4.44 2	5.58 2	6.72 2	9.00 2	11.28 2	13.55 2
1-1/2	3.95 2	5.31 2	6.67 2	8.03 2	10.75 2	13.48 2	16.20 2
2	5.33 2	7.16 2	8.99 2	10.82 2	14.47 2	18.13 2	21.78 2
2-1/2	7.73 1	11.10 1	14.49 1	16.90 1	22.70 1	30.00 1	34.00 1
3	10.68 1	14.47 1	18.26 1	22.06 1	29.64 1	37.23 1	44.00 1
4	15.18 1	20.58 1	25.98 1	31.38 1	42.18 1	52.98 1	63.78 1
6	28.46 1	34.78 1	39.68 1	45.94 1	56.91 1	66.40 1	79.35 1

Fig. 83NA4 & 84NA4 Schedule 40 Tote Tray Assortments

Size	Part Number		Package Contents of Each Nipple Size											Total	Weight
in	Black	Galvanized	Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	Pieces	lb
1/2	83NA4004C	84NA4004C	6	6	6	6	6	6	6	6	6	6	6	66	15
3/4	83NA4006C	84NA4006C	6	6	6	6	6	6	6	6	6	6	6	66	19
1	83NB4010C	84NB4010C	6		6	6	6	6	6	6	6	6	6	60	25

Fig. 83NB4 & 84NB4 Schedule 40 B Assortments

Size	Part Number		Package Contents of Each Nipple Size											Total	Weight
in	Black	Galvanized	Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	Pieces	lb
1-1/4	83NB4012C	84NB4012C	6		6	6	6	6	6	6	6	6	6	60	37
1-1/2	83NB4014C	84NB4014C	6		6	6	6	6	6	6	6	6	6	60	45
2	83NB4020C	84NB4020C	6			6	6	6	6	6	6	6	6	54	58

Fig. 83ND4 & 84ND4 Schedule 40 25 Piece D Assortments

Size	Part Number		Package Contents of Each Nipple Size											Total	Weight
in	Black	Galvanized	Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	Pieces	lb
1/2	83ND4004C	84ND4004C	4	3	3	3	2	2	2	1	2	1	2	25	5
3/4	83ND4006C	84ND4006C	6		4	3	2	2	2	1	2	1	2	25	7
1	83ND4010C	-	5		5	3	2	2	2	1	2	1	2	25	10

Fig. 83SR4 & 84SR4 Schedule 40 Single-Run Assortments Thru 6"

Size	Part Number		Package Contents of Each Nipple Size											Total	Weight
in	Black	Galvanized	Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	Pieces	lb
1/4	83SR4002C	-	1	1	1	1	1	1	1	1	1	1	1	11	1
3/8	83SR4003C	-	1	1	1	1	1	1	1	1	1	1	1	11	2
1/2	83SR4004C	84SR4004C	1	1	1	1	1	1	1	1	1	1	1	11	2
3/4	83SR4006C	84SR4006C	1	1	1	1	1	1	1	1	1	1	1	11	3
1	83SR4010C	84SR4010C	1		1	1	1	1	1	1	1	1	1	10	4
1-1/4	83SR4012C	84SR4012C	1		1	1	1	1	1	1	1	1	1	10	7
1-1/2	83SR4014C	84SR4014C	1		1	1	1	1	1	1	1	1	1	10	8
2	83SR4020C	84SR4020C	1			1	1	1	1	1	1	1	1	9	10

Fig. 83SR4 & 84SR4 Schedule 40 Single-Run Assortments Thru 12"

Size	Part Number	Package Contents of Each Nipple Size																Total	Weight
in	Black	Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	7	8	9	10	11	12	Pieces	lb
1/2	83SR4004120C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	6
3/4	83SR4006120C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	8
1	83SR4010120C	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	11
1-1/4	83SR4012120C	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	16
1-1/2	83SR4014120C	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	19
2	83SR4020120C	1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	26

Fig. 83RL4 & 84RL4 Schedule 40 Right and Left Nipples

Size	Part Number		Packing		Weight
in	Black	Galvanized	Inner	Master	lb
1/2 x 4	83RL4004040C	84RL4004040C	25	200	0.26
3/4 x 4	83RL4006040C	84RL4006040C	25	150	0.34
1 x 4	83RL4010040C	84RL4010040C	25	100	0.45
1-1/4 x 4	83RL4012040C	84RL4012040C	25	50	0.65
1-1/2 x 4	83RL4014040C	84RL4014040C	25	50	0.78
2 x 4	83RL4020040C	84RL4020040C	-	25	1.07

Fig. 83NI8 & 84NI8 Black and Galvanized Schedule 80 Welded Carbon Steel Pipe Nipples

Size in	Close Length	Weight per Each (lb) / Packing (Inner/Master)																
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	7	8	9	10	11	12
1/8	3/4	0.02 25/400	0.04 25/400	0.05 25/400	0.07 25/400	0.08 25/400	0.09 25/400	0.10 25/400	0.11 25/400	0.12 25/400	0.14 25/400	0.16 25/400	0.18 25/400	0.20 25/300	0.22 25/200	0.25 25/200	0.27 25/200	0.30 25/200
1/4	7/8	0.03 25/400	0.05 25/400	0.08 25/400	0.10 25/400	0.13 25/400	0.15 25/400	0.17 25/300	0.19 25/300	0.21 25/300	0.24 25/200	0.27 25/200	0.31 25/150	0.35 25/150	0.39 25/150	0.43 25/100	0.45 25/100	0.48 25/100
3/8	1	0.05 25/400	0.08 25/400	0.10 25/400	0.15 25/400	0.18 25/300	0.21 25/300	0.24 25/200	0.27 25/200	0.31 25/200	0.33 25/150	0.37 25/150	0.43 25/150	0.47 25/100	0.53 25/100	0.59 25/100	0.64 25/100	0.70 25/75
1/2	1-1/8	0.08 25/400	0.11 25/400	0.15 25/400	0.20 25/300	0.24 25/200	0.29 25/200	0.35 25/150	0.39 25/150	0.42 25/150	0.49 25/100	0.52 25/100	0.60 25/100	0.71 25/75	0.73 25/75	0.89 25/50	0.99 25/50	1.05 25/50
3/4	1-3/8	0.14 25/400	0.16 25/400	0.22 25/200	0.28 25/200	0.34 25/150	0.40 25/150	0.46 25/100	0.53 25/100	0.59 25/100	0.65 25/75	0.71 25/75	0.83 25/75	0.96 25/50	1.09 25/50	1.21 25/50	1.34 20/40	1.46 20/40
1	1-1/2	0.21 25/200		0.31 25/200	0.39 25/150	0.48 25/100	0.58 25/100	0.67 25/75	0.76 25/75	0.86 25/50	0.96 25/50	1.05 25/50	1.26 25/50	1.43 20/40	1.62 20/40	1.80 15/30	2.02 15/30	2.18 15/30
1-1/4	1-5/8	0.31 25/150		0.42 25/100	0.55 25/100	0.65 25/75	0.79 25/50	0.92 25/50	1.06 25/50	1.18 25/50	1.31 20/40	1.43 20/40	1.67 15/30	1.84 15/30	1.54 15/30	2.47 - /20	2.72 - /20	2.99 - /20
1-1/2	1-3/4	0.41 25/100		0.49 25/100	0.63 25/50	0.77 25/50	0.94 25/50	1.08 25/50	1.25 - /50	1.38 - /40	1.59 - /32	1.71 - /32	2.04 - /25	2.34 - /20	2.63 - /20	2.88 - /10	3.33 - /10	3.57 - /10
2	2	0.66 25/50			0.89 25/50	1.09 - /50	1.29 - /25	1.51 - /25	1.77 - /25	1.99 - /25	2.24 - /25	2.35 - /25	2.01 - /18	3.17 - /18	3.59 - /15	4.00 - /12	4.40 - /12	4.90 - /12
2-1/2	2-1/2	1.19 -/36				1.49 - /36	1.74 - /27	2.05 - /27	2.37 - /24	2.67 - /18	2.98 - /18	3.33 - /18	3.89 - /14	4.61 - /12	5.21 - /9	5.91 - /9	6.50 - /9	7.17 - /8
3	2-5/8	1.75 -/24				2.05 - /24	2.47 - /18	2.90 - /18	3.25 - /16	3.74 - /12	4.15 - /12	4.50 - /12	5.29 - /9	6.27 - /8	7.39 - /8	8.00 - /6	9.76 - /6	10.64 - /6
3-1/2	2-3/4	2.61 - /15						3.79 - /12	4.26 - /10	4.74 - /8	5.22 - /8	5.69 - /8	6.64 - /5	7.59 - /5	8.54 - /4	9.49 - /4	10.44 - /4	11.38 - /4
4	2-7/8	2.84 - /15						4.12 - /12	4.71 - /10	5.44 - /8	6.07 - /8	6.31 - /8	8.04 - /5	9.18 - /5	10.33 - /4	11.48 - /4	12.63 - /4	13.77 - /4

Fig. 83NA8 Schedule 80 Tote Tray Assortments

Size in	Part Number Black	Package Contents of Each Nipple Size											Total Pieces	Weight lb
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6		
1/2	83NA8004C	6	6	6	6	6	6	6	6	6	6	6	66	19
3/4	83NA8006C	6	6	6	6	6	6	6	6	6	6	6	66	27
1	83NA8010C	6		6	6	6	6	6	6	6	6	6	60	38

Fig. 83SR8 Schedule 80 Single-Run Assortments Thru 6”

Size in	Part Number Black	Package Contents of Each Nipple Size											Total Pieces	Weight lb
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6		
3/8	83SR8003C	1	1	1	1	1	1	1	1	1	1	1	11	3
1/2	83SR8004C	1	1	1	1	1	1	1	1	1	1	1	11	3
3/4	83SR8006C	1	1	1	1	1	1	1	1	1	1	1	11	4
1	83SR8010C	1		1	1	1	1	1	1	1	1	1	10	6
1-1/4	83SR8012C	1		1	1	1	1	1	1	1	1	1	10	8
1-1/2	83SR8014C	1		1	1	1	1	1	1	1	1	1	10	10
2	83SR8020C	1			1	1	1	1	1	1	1	1	9	13

Fig. 73NI8 Black Schedule 80 Seamless Carbon Steel Pipe Nipples

Size in	Close Length	Weight per Each (lb) Packing (Inner/Master)																
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	7	8	9	10	11	12
1/8	3/4	0.02 25/400	0.04 25/400	0.05 25/400	0.07 25/400	0.08 25/400	0.09 25/400	0.10 25/400	0.11 25/400	0.12 25/400	0.14 25/400	0.16 25/400	0.18 25/400	0.20 25/300	0.22 25/200	0.25 25/200	0.27 25/200	0.30 25/200
1/4	7/8	0.03 25/400	0.05 25/400	0.08 25/400	0.10 25/400	0.13 25/400	0.15 25/400	0.17 25/300	0.19 25/300	0.21 25/300	0.24 25/200	0.27 25/200	0.31 25/150	0.35 25/150	0.39 25/150	0.43 25/100	0.45 25/100	0.48 25/100
3/8	1	0.05 25/400	0.08 25/400	0.10 25/400	0.15 25/400	0.18 25/300	0.21 25/300	0.24 25/200	0.27 25/200	0.31 25/200	0.33 25/150	0.37 25/150	0.43 25/150	0.47 25/100	0.53 25/100	0.59 25/100	0.64 25/100	0.70 25/75
1/2	1-1/8	0.08 25/400	0.11 25/400	0.15 25/400	0.20 25/300	0.24 25/200	0.29 25/200	0.35 25/150	0.39 25/150	0.42 25/150	0.49 25/100	0.52 25/100	0.60 25/100	0.71 25/75	0.73 25/75	0.89 25/50	0.99 25/50	1.05 25/50
3/4	1-3/8	0.14 25/400	0.16 25/400	0.22 25/200	0.28 25/200	0.34 25/150	0.40 25/150	0.46 25/100	0.53 25/100	0.59 25/100	0.65 25/75	0.71 25/75	0.83 25/75	0.96 25/50	1.09 25/50	1.21 25/50	1.34 20/40	1.46 20/40
1	1-1/2	0.21 25/200		0.31 25/200	0.39 25/150	0.48 25/100	0.58 25/100	0.67 25/75	0.76 25/75	0.86 25/50	0.96 25/50	1.05 25/50	1.26 25/50	1.43 20/40	1.62 20/40	1.80 15/30	2.02 15/30	2.18 15/30
1-1/4	1-5/8	0.31 25/150		0.42 25/100	0.55 25/100	0.65 25/75	0.79 25/50	0.92 25/50	1.06 25/50	1.18 25/50	1.31 20/40	1.43 20/40	1.67 15/30	1.84 15/30	1.54 15/30	2.47 - /20	2.72 - /20	2.99 - /20
1-1/2	1-3/4	0.41 25/100		0.49 25/100	0.63 25/50	0.77 25/50	0.94 25/50	1.08 25/50	1.25 - /50	1.38 - /40	1.59 - /32	1.71 - /32	2.04 - /25	2.34 - /20	2.63 - /20	2.88 - /10	3.33 - /10	3.57 - /10
2	2	0.66 25/50			0.89 25/50	1.09 - /50	1.29 - /25	1.51 - /25	1.77 - /25	1.99 - /25	2.24 - /25	2.35 - /25	2.01 - /18	3.17 - /18	3.59 - /15	4.00 - /12	4.40 - /12	4.90 - /12
2-1/2	2-1/2	1.19 -/36				1.49 - /36	1.74 - /27	2.05 - /27	2.37 - /24	2.67 - /18	2.98 - /18	3.33 - /18	3.89 - /14	4.61 - /12	5.21 - /9	5.91 - /9	6.50 - /9	7.17 - /8
3	2-5/8	1.75 -/24				2.05 - /24	2.47 - /18	2.90 - /18	3.25 - /16	3.74 - /12	4.15 - /12	4.50 - /12	5.29 - /9	6.27 - /8	7.39 - /8	8.00 - /6	9.76 - /6	10.64 - /6
3-1/2	2-3/4	2.61 - /15						3.79 - /12	4.26 - /10	4.74 - /8	5.22 - /8	5.69 - /8	6.64 - /5	7.59 - /5	8.54 - /4	9.49 - /4	10.44 - /4	11.38 - /4
4	2-7/8	2.84 - /15						4.12 - /12	4.71 - /10	5.44 - /8	6.07 - /8	6.31 - /8	8.04 - /5	9.18 - /5	10.33 - /4	11.48 - /4	12.63 - /4	13.77 - /4

Fig. 73SR8 Schedule 80 Single-Run Assortments Thru 6"

Size in	Part Number Black	Package Contents of Each Nipple Size											Total Pieces	Weight lb
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6		
1/2	73SR8004C	1	1	1	1	1	1	1	1	1	1	1	11	3
3/4	73SR8006C	1	1	1	1	1	1	1	1	1	1	1	11	5
1	73SR8010C	1		1	1	1	1	1	1	1	1	1	10	7
1-1/4	73SR8012C	1		1	1	1	1	1	1	1	1	1	10	9
1-1/2	73SR8014C	1		1	1	1	1	1	1	1	1	1	10	11
2	73SR8020C	1		1	1	1	1	1	1	1	1	1	9	13
2-1/2	73SR8024C	1				1	1	1	1	1	1	1	8	18
3	73SR8030C	1				1	1	1	1	1	1	1	8	25
4	73SR8040C	1						1	1	1	1	1	6	30

FPPI® PTFE Pipe Thread Tape

- Made from PTFE
- Meets MIL Spec T27730A

Part Number	Description/Size	Packing	
		Inner	Master
03-120-00	FPPI® PTFE Tape1/2" x 520"	-	500
03-121-00	FPPI® PTFE Tape 3/4" x 520"	-	400
03-122-00	FPPI® PTFE Tape1" x 520"	-	300

Fig. 75NIX Black XXH Carbon Steel Pipe Nipples

Size in	Close Length	Weight per Each (lb) Packing (Inner/Master)															
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	7	8	9	10	11	12
1	1-1/2	0.47 -/100		0.62 -/100	0.76 -/75	0.93 -/50	1.08 -/50	1.22 -/40	1.37 -/40	1.54 -/25	1.69 -/25	1.84 -/25	2.13 -/25	2.44 -/20	2.75 -/20	3.05 -/15	3.36 -/15	3.66 -/15
2	2	1.52 -/25			1.89 -/20	2.27 -/10	2.64 -/15	3.01 -/10	3.39 -/10	3.77 -/10	4.15 -/5	4.53 -/10	5.28 -/5	6.02 -/5	6.78 -/5	7.54 -/5	8.29 -/5	9.04 -/5
3	2-5/8	4.16 -/12				4.17 -/12	5.55 -/9	6.33 -/9	7.13 -/8	7.93 -/6	8.72 -/6	9.56 -/6	12.39 -/4	14.16 -/4	15.49 -/4	17.70 -/4	18.58 -/3	21.24 -/3
4	2-7/8	2.84 - /15						9.00 - /12	10.13 - /10	11.25 - /8	12.38 - /8	13.55 - /8	16.13 - /5	18.43 - /5	20.71 - /4	23.00 - /4	25.30 - /4	27.60 - /4

Steel Nipple Part Numbers

83NI 4 020 120 C

Diameter Length

Product Group	
83NI	Black
84NI	Galvanized
73NI	Seamless
75NI	XXH

Pressure Rating	
4	Schedule 40
8	Schedule 80
X	XXH

Country of Origin	
	USA
C	China
U	China w/ Bar Code Label

Size					
001	1/8	016	1-3/4	090	9
002	1/4	020	2	100	10
003	3/8	024	2-1/2	110	11
004	1/2	030	3	120	12
006	3/4	034	3-1/2	180	18
007	7/8	040	4	240	24
010	1	044	4-1/2	300	30
011	1-1/8	050	5	360	36
012	1-1/4	054	5-1/2	480	48
013	1-3/8	060	6	600	60
014	1-1/2	070	7	720	72
015	1-5/8	080	8		

Wall Thickness Chart

Nominal Pipe Size	Outside Diameter	Sch 40 Wall Thickness	Sch 80 Wall Thickness	XXH Wall Thickness
1/8	0.405	0.068	0.095	N/A
1/4	0.540	0.088	0.119	N/A
3/8	0.675	0.091	0.126	N/A
1/2	0.840	0.109	0.147	N/A
3/4	1.050	0.113	0.154	N/A
1	1.315	0.133	0.179	0.358
1-1/4	1.660	0.140	0.191	0.382
1-1/2	1.900	0.145	0.200	0.400
2	2.375	0.154	0.218	0.436
2-1/2	2.875	0.203	0.276	0.552
3	3.500	0.216	0.300	0.600
3-1/2	4.000	0.226	0.318	N/A
4	4.500	0.237	0.337	0.674
5	5.563	0.258	0.375	N/A
6	6.625	0.280	0.432	N/A
8	8.625	0.322	0.500	N/A

Fig. 86NI4 Schedule 40 Seamless Brass Nipples

Size in	Close Length	Weight per Each (lb) Packing (Inner/Master)																
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	7	8	9	10	11	12
1/8	3/4	0.01 25/400	0.03 25/400	0.04 25/400	0.05 25/400	0.06 25/400	0.07 25/400	0.08 25/400	0.09 25/400	0.10 25/400	0.11 25/400	0.12 25/400	0.14 25/400	0.16 25/400	0.19 25/400	0.21 25/400	0.23 25/400	0.25 25/400
1/4	7/8	0.02 25/400	0.05 25/400	0.06 25/400	0.08 25/400	0.10 25/400	0.12 25/400	0.14 25/400	0.16 25/400	0.18 25/400	0.20 25/400	0.21 25/400	0.25 25/200	0.29 25/200	0.33 25/200	0.36 25/200	0.40 25/200	0.44 25/200
3/8	1	0.04 25/400	0.06 25/400	0.09 25/400	0.12 25/400	0.14 25/400	0.17 25/400	0.19 25/400	0.22 25/400	0.25 25/300	0.27 25/300	0.30 25/300	0.35 25/150	0.40 25/150	0.46 25/100	0.51 25/100	0.56 25/100	0.61 25/100
1/2	1-1/8	0.06 25/400	0.08 25/400	0.12 25/400	0.16 25/300	0.20 25/300	0.24 25/300	0.28 25/200	0.32 25/200	0.36 25/200	0.40 25/200	0.43 25/200	0.51 25/100	0.59 25/100	0.67 25/100	0.75 25/100	0.82 25/100	0.90 25/100
3/4	1-3/8	0.10 25/400	0.11 25/400	0.16 25/300	0.21 25/300	0.27 25/200	0.32 25/200	0.37 25/150	0.43 25/150	0.48 25/100	0.53 25/100	0.58 25/100	0.69 25/75	0.77 25/75	0.90 25/50	1.01 25/50	1.11 25/50	1.22 25/50
1	1-1/2	0.15 25/200		0.23 25/200	0.30 25/150	0.38 25/150	0.45 25/100	0.52 25/100	0.60 25/100	0.67 25/75	0.75 25/75	0.82 25/50	0.97 25/50	1.12 25/50	1.27 25/50	1.41 20/40	1.56 20/40	1.71 20/40
1-1/4	1-5/8	0.25 25/150		0.33 25/100	0.44 25/100	0.55 25/100	0.66 25/50	0.77 25/50	0.88 25/50	0.99 25/50	1.10 25/50	1.21 25/50	1.43 15/30	1.65 15/30	1.86 15/30	2.08 - /30	2.30 - /30	2.52 - /30
1-1/2	1-3/4	0.29 25/100		0.36 25/100	0.49 25/50	0.62 25/50	0.75 25/50	0.88 25/50	1.01 - /50	1.14 - /40	1.27 - /40	1.40 - /40	1.66 - /35	1.92 - /25	2.18 - /25	2.45 - /15	2.71 - /15	2.97 - /15
2	2	0.47 25/50			0.64 25/50	0.81 - /50	0.98 - /25	1.16 - /25	1.33 - /25	1.50 - /25	1.67 - /25	1.84 - /25	2.19 - /18	2.53 - /18	2.87 - /18	3.22 - /14	3.56 - /14	3.90 - /14
2-1/2	2-1/2	0.84 -/36				1.09 - /36	1.34 - /27	1.59 - /27	1.84 - /24	2.09 - /18	2.34 - /18	2.59 - /18	3.08 - /14	3.58 - /12	4.08 - /9	4.58 - /9	5.08 - /9	5.58 - /9
3	2-5/8	1.26 -/24				1.53 - /24	1.88 - /18	2.24 - /18	2.60 - /16	2.95 - /12	3.31 - /12	3.67 - /12	4.38 - /9	5.09 - /8	5.81 - /8	6.52 - /6	7.23 - /6	7.95 - /6
4	2-7/8	2.20 - /15				2.33 -/15	2.86 -/12	3.39 - /12	3.92 - /10	4.45 - /8	4.98 - /8	5.51 - /8	6.57 - /5	7.63 - /5	8.68 - /5	9.74 - /4	10.80 - /4	11.86 - /4

Size in	Weight per Each (lb) Packing (Pieces / Bundle)						
	18	24	30	36	48	60	72
1/2	1.37 5	1.83 5	2.30 5	2.77 5	3.70 5	4.63 5	5.56 5
3/4	1.85 5	2.49 5	3.12 5	3.76 5	5.03 5	6.29 5	7.54 5
1	2.60 5	3.49 5	4.38 5	5.27 5	7.05 5	8.81 5	10.57 5
1-1/4	3.84 5	5.15 5	6.47 5	7.78 5	10.30 5	12.88 5	15.45 5
1-1/2	4.53 5	6.10 5	7.66 5	9.23 5	12.36 5	15.45 5	18.54 5
2	5.96 5	8.02 5	10.08 5	12.14 5	16.26 5	19.95 5	24.50 5
2-1/2	8.58 3	11.57 3	14.57 3	17.56 3	23.20 3	29.00 3	38.40 3
3	12.23 3	16.51 3	20.79 3	25.07 3	33.63 3	42.03 3	50.44 3
4	18.21 2	24.56 2	31.05 2	37.26 2	49.96 2	62.45 2	74.94 2

Fig. 86SR4 Schedule 40 Seamless Brass Single-Run Assortments

Size in	Part Number	Package Contents of Each Nipple Size										Total Pieces	Weight lb
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6		
1/4	86SR4002C	1	1	1	1	1	1	1	1	1	1	1	11	1.5
3/8	86SR4003C	1	1	1	1	1	1	1	1	1	1	1	11	2.0
1/2	86SR4004C	1	1	1	1	1	1	1	1	1	1	1	11	2.5
3/4	86SR4006C	1	1	1	1	1	1	1	1	1	1	1	11	3.5
1	86SR4010C	1		1	1	1	1	1	1	1	1	1	10	5.0
1-1/4	86SR4012C	1		1	1	1	1	1	1	1	1	1	10	7.0
1-1/2	86SR4014C	1		1	1	1	1	1	1	1	1	1	10	8.0
2	86SR4020C	1			1	1	1	1	1	1	1	1	9	10.0

Specialty Stainless Nipples

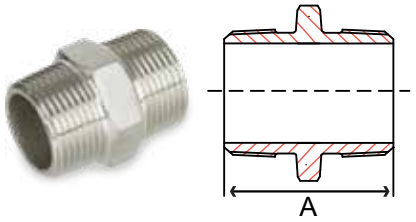


Fig. S8346HN - 316 Hex Nipple

Diameter in	Part Number 316	A in	Packing Inner	Packing Master	Weight lb
1/8	S8346HN001	1.30	50	200	0.02
1/4	S8346HN002	1.30	50	200	0.04
3/8	S8346HN003	1.38	50	200	0.08
1/2	S8346HN004	1.67	50	200	0.1
3/4	S8346HN006	1.81	25	100	0.1
1	S8346HN010	1.97	25	100	0.3
1 1/4	S8346HN012	2.28	-	50	0.4
1 1/2	S8346HN014	2.36	-	50	0.6
2	S8346HN020	2.70	-	20	0.9

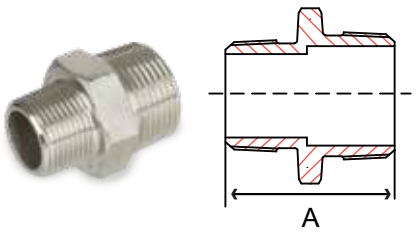


Fig. S8346RH - 316 Reducing Hex Nipple

Diameter in	Part Number 316	A in	Packing Inner	Packing Master	Weight lb
1/4 x 1/8	S8346RH002001	1.30	50	200	0.04
3/8 x 1/4	S8346RH003002	1.38	50	200	0.08
1/2 x 3/8	S8346RH004003	1.67	50	200	0.1
3/4 x 1/2	S8346RH006004	1.81	25	100	0.1
1 x 3/4	S8346RH010006	1.97	25	100	0.3
1-1/4 x 1	S8346RH012010	2.28	-	50	0.4
1-1/2 x 1-1/4	S8346RH014012	2.36	-	50	0.6
2 x 1-1/2	S8346RH020014	2.70	-	20	0.9

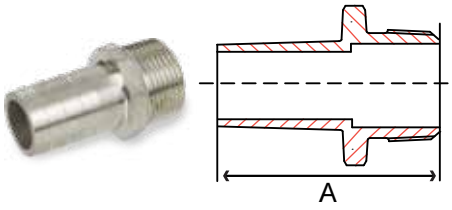


Fig. S8346KN - 316 King Nipple Hose x Threaded

Diameter in	Part Number 316	A in	Packing Inner	Packing Master	Weight lb
1/8	S8346KN001	1.57	25	100	0.02
1/4	S8346KN002	1.77	25	100	0.05
3/8	S8346KN003	1.97	25	100	0.07
1/2	S8346KN004	2.36	25	100	0.1
3/4	S8346KN006	2.56	25	100	0.2
1	S8346KN010	2.95	-	50	0.3
1 1/4	S8346KN012	3.35	-	40	0.5
1 1/2	S8346KN014	3.54	-	40	0.9
2	S8346KN020	3.94	-	20	1.3
2-1/2	S8346KN024	4.72	-	12	1.7
3	S8346KN030	5.12	-	5	2.0
4	S8346KN040	5.51	-	5	4.6

Fig. S834 - Sch 40 Welded 304/304L & 316/316L Nipple Weights

Size in	Close Length	Weight per Each (lb) Packing (Inner/Master)													
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	8	10	12
1/8	3/4	0.01 25/200	0.03 25/200	0.04 25/200	0.05 25/200	0.06 25/200	0.07 25/200	0.08 25/200	0.09 25/200	0.11 25/200	0.11 25/200	0.12 25/100	0.16 25/100	0.21 25/100	0.25 25/100
1/4	7/8	0.03 25/200	0.04 25/200	0.06 25/200	0.08 25/200	0.09 25/200	0.10 25/200	0.13 25/200	0.14 25/200	0.15 25/200	0.18 25/200	0.20 25/200	0.27 25/100	0.35 25/100	0.42 25/100
3/8	1	0.03 25/200	0.06 25/200	0.08 25/200	0.10 25/200	0.12 25/200	0.15 25/200	0.18 25/200	0.20 25/200	0.22 25/100	0.23 25/100	0.26 25/100	0.35 25/50	0.48 25/50	0.52 25/50
1/2	1-1/8	0.06 25/200	0.08 25/200	0.12 25/200	0.15 25/100	0.18 25/100	0.22 25/100	0.25 25/100	0.29 25/100	0.32 25/100	0.36 25/100	0.39 25/100	0.52 25/50	0.66 25/50	0.80 25/50
3/4	1-3/8	0.10 25/200	0.11 25/200	0.16 25/100	0.20 25/100	0.24 25/100	0.29 25/100	0.34 25/50	0.38 25/50	0.43 25/50	0.47 25/50	0.52 25/50	0.73 -/25	0.91 -/25	1.09 -/25
1	1-1/2	0.15 25/100		0.22 25/100	0.25 25/50	0.36 25/50	0.40 25/50	0.47 25/50	0.53 25/50	0.62 -/25	0.66 -/25	0.77 -/25	1.01 -/25	1.28 -/25	1.55 -/25
1-1/4	1-5/8	0.23 25/50		0.32 25/50	0.40 25/50	0.49 25/50	0.60 -/25	0.62 -/25	0.72 -/25	0.81 -/25	0.94 -/25	0.97 -/25	1.39 -/15	2.01 -/15	2.30 -/15
1-1/2	1-3/4	0.30 25/100		0.32 25/100	0.47 -/25	0.56 -/25	0.68 -/25	0.80 -/25	0.91 -/25	1.00 - /20	1.10 - /20	1.27 - /20	1.65 - /12	2.07 - /7	2.43 - /7
2	2	0.40 -/25			0.62 -/25	0.71 - /25	0.93 - /12	1.07 - /12	1.23 - /12	1.37 - /12	1.55 - /12	1.67 - /12	2.20 - /9	2.90 - /7	3.46 - /7
2-1/2	2-1/2	0.73 -/18				0.95 - /18	1.35 - /13	1.45 - /13	1.80 - /12	2.04 - /9	2.16 - /9	2.38 - /9	3.15 - /6	4.05 - /4	5.10 - /4
3	2-5/8	1.19 -/12				1.49 - /12	1.68 - /9	2.06 - /9	2.38 - /8	2.67 - /6	2.95 - /6	3.17 - /6	4.50 - /4	5.95 - /3	8.16 - /3
4	2-7/8	1.94 - /7						2.99 - /6	3.63 - /5	3.68 - /4	4.53 - /4	4.44 - /4	6.70 - /2	7.55 - /2	9.25 - /2
6	3-1/8	4.69 -/1						6.32 - /1				9.01 -/1			18.02 -/1

Fig. S858 - Sch 80 Seamless 304/304L & 316/316L Weights

Size in	Close Length	Weight per Each (lb) Packing (Inner/Master)													
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	8	10	12
1/8	3/4	0.02 25/200	0.04 25/200	0.05 25/200	0.06 25/200	0.07 25/200	0.08 25/200	0.09 25/200	0.11 25/200	0.12 25/200	0.13 25/200	0.15 25/100	0.20 25/100	0.25 25/100	0.30 25/100
1/4	7/8	0.03 25/200	0.06 25/200	0.08 25/200	0.10 25/200	0.13 25/200	0.15 25/200	0.17 25/200	0.27 25/200	0.21 25/200	0.23 25/200	0.26 25/200	0.35 25/100	0.45 25/100	0.55 25/100
3/8	1	0.05 25/200	0.08 25/200	0.11 25/200	0.15 25/200	0.17 25/200	0.20 25/200	0.24 25/200	0.27 25/200	0.30 25/100	0.34 25/100	0.37 25/100	0.53 25/50	0.67 25/50	0.82 25/50
1/2	1-1/8	0.08 25/200	0.11 25/200	0.16 25/200	0.20 25/100	0.24 25/100	0.29 25/100	0.34 25/100	0.54 25/100	0.42 25/100	0.47 25/100	0.52 25/100	0.35 25/50	0.87 25/50	1.06 25/50
3/4	1-3/8	0.14 25/200	0.15 25/200	0.22 25/100	0.27 25/100	0.33 25/100	0.40 25/100	0.46 25/50	0.73 25/50	0.55 25/50	0.62 25/50	0.69 25/50	0.94 -/25	1.20 -/25	1.38 -/25
1	1-1/2	0.22 25/100		0.31 25/100	0.39 25/50	0.46 25/50	0.56 25/50	0.65 25/50	1.04 25/50	0.83 -/25	0.91 -/25	1.00 -/25	1.33 -/25	1.67 -/25	2.00 -/25
1-1/4	1-5/8	0.34 25/50		0.40 25/50	0.55 25/50	0.67 25/50	0.79 -/25	0.90 -/25	1.03 -/25	1.15 -/25	1.28 -/25	1.40 -/25	1.88 -/15	2.37 -/15	2.85 -/15
1-1/2	1-3/4	0.47 25/100		0.54 25/100	0.71 -/25	0.87 -/25	1.04 -/25	1.21 -/25	1.37 -/25	1.53 - /20	1.69 - /20	1.85 - /20	1.62 - /12	3.17 - /7	3.80 - /7
2	2	0.70 -/25			0.92 -/25	1.13 - /25	1.35 - /12	1.50 - /12	2.42 - /12	1.95 - /12	2.10 - /12	2.25 - /12	3.06 - /9	3.98 - /7	4.77 - /7
3	2-5/8	1.75 -/12						2.67 - /9				4.00 - /6	6.49 - /4	8.11 - /3	9.74 - /3

Pipe and Tubing

Pipe and Tubing

Pipe Specifications

- Welded and seamless pipe material conforms to ASTM A312, ASTM A999
- Stainless pipe dimensions conform to ASTM A999, ASME B36.19, ASME B36.10, A276
- Manufacturing facility is ISO 9001:2008
- Pipe sold as single random lengths
- Cut-to-length, threading and grooving available upon request

Instrumentation Tubing Specifications

- Instrumentation tubing dimensions and materials conform to ASTM A269 and ASTM A213

Sanitary Tubing Specifications

- Sanitary tubing dimensions and materials conform to ASTM A269, ASTM A270 and 3-A Approved

Fig. S6014WP & S6016WP - Sch 10 Welded Pipe

Nominal Diameter in	Part Number		OD in	Wall Thickness in	Pipe Length ft	Weight lb / ft
	304 / 304L	316 / 316L				
1/2	S6014WP004	S6016WP004	0.840	0.083	20	0.6
3/4	S6014WP006	S6016WP006	1.050	0.083	20	0.8
1	S6014WP010	S6016WP010	1.315	0.109	20	1.4
1-1/4	S6014WP012	S6016WP012	1.660	0.109	20	1.8
1-1/2	S6014WP014	S6016WP014	1.900	0.109	20	2.0
2	S6014WP020	S6016WP020	2.375	0.109	20	2.6
2-1/2	S6014WP024	S6016WP024	2.875	0.120	20	3.5
3	S6014WP030	S6016WP030	3.500	0.120	20	4.3
4	S6014WP040	S6016WP040	4.500	0.120	20	5.6
5	S6014WP050	S6016WP050	5.563	0.134	20	7.7
6	S6014WP060	S6016WP060	6.625	0.134	20	9.2

Fig. S6044WP & S6046WP - Sch 40 Welded Pipe

Nominal Diameter in	Part Number		OD in	Wall Thickness in	Pipe Length ft	Weight lb / ft
	304 / 304L	316 / 316L				
1/8	S6044WP001	S6046WP001	0.405	0.068	20	0.2
1/4	S6044WP002	S6046WP002	0.540	0.088	20	0.4
3/8	S6044WP003	S6046WP003	0.675	0.091	20	0.5
1/2	S6044WP004	S6046WP004	0.840	0.109	20	0.8
3/4	S6044WP006	S6046WP006	1.050	0.113	20	1.1
1	S6044WP010	S6046WP010	1.315	0.133	20	1.6
1-1/4	S6044WP012	S6046WP012	1.660	0.140	20	2.2
1-1/2	S6044WP014	S6046WP014	1.900	0.145	20	2.7
2	S6044WP020	S6046WP020	2.375	0.154	20	3.6
2-1/2	S6044WP024	S6046WP024	2.875	0.203	20	5.7
3	S6044WP030	S6046WP030	3.500	0.216	20	7.5
4	S6044WP040	S6046WP040	4.500	0.237	20	10.7
5	S6044WP050	S6046WP050	5.563	0.258	20	14.6
6	S6044WP060	S6046WP060	6.625	0.280	20	18.9

Fig. S6144SP & S6146SP - Sch 40 Seamless Pipe

Nominal Diameter in	Part Number		OD in	Wall Thickness in	Pipe Length ft	Weight lb / ft
	304 / 304L	316 / 316L				
1/8	S6144SP001	S6146SP001	0.405	0.068	20	0.2
1/4	S6144SP002	S6146SP002	0.540	0.088	20	0.4
3/8	S6144SP003	S6146SP003	0.675	0.091	20	0.5
1/2	S6144SP004	S6146SP004	0.840	0.109	20	0.8
3/4	S6144SP006	S6146SP006	1.050	0.113	20	1.1
1	S6144SP010	S6146SP010	1.315	0.133	20	1.6
1-1/4	S6144SP012	S6146SP012	1.660	0.140	20	2.2
1-1/2	S6144SP014	S6146SP014	1.900	0.145	20	2.7
2	S6144SP020	S6146SP020	2.375	0.154	20	3.6

Fig. S6184SP & S6186SP - Sch 80 Seamless Pipe

Nominal Diameter in	Part Number		OD in	Wall Thickness in	Pipe Length ft	Weight lb / ft
	304 / 304L	316 / 316L				
1/8	S6184SP001	S6186SP001	0.405	0.095	20	0.3
1/4	S6184SP002	S6186SP002	0.540	0.119	20	0.5
3/8	S6184SP003	S6186SP003	0.675	0.126	20	0.7
1/2	S6184SP004	S6186SP004	0.840	0.147	20	1.0
3/4	S6184SP006	S6186SP006	1.050	0.154	20	1.4
1	S6184SP010	S6186SP010	1.315	0.179	20	2.1
1-1/4	S6184SP012	S6186SP012	1.660	0.191	20	2.9
1-1/2	S6184SP014	S6186SP014	1.900	0.200	20	3.6
2	S6184SP020	S6186SP020	2.375	0.218	20	5.0

*Fig. 96BP4 Schedule 40 Seamless Brass Pipe**

Nominal Diameter in	Part Number	OD in	Wall Thickness in	Pipe Length ft	Weight lb / ft
	20 ft Length				
1/8	96BP4001200	0.41	0.062	20	0.3
1/4	96BP4002200	0.54	0.082	20	0.4
3/8	96BP4003200	0.67	0.090	20	0.6
1/2	96BP4004200	0.84	0.107	20	0.9
3/4	96BP4006200	1.05	0.114	20	1.3
1	96BP4010200	1.32	0.126	20	1.8
1-/4	96BP4012200	1.66	0.146	20	2.6
1-1/2	96BP4014200	1.90	0.150	20	3.1
2	96BP4020200	2.37	0.156	20	4.1
2-1/2	96BP4024200	2.87	0.187	20	6.0
3	96BP4030200	3.50	0.219	20	8.7
4	96BP4040200	4.50	0.250	20	12.7

* H58

Fig. S64ST4 & S64ST6 – Seamless Instrumentation Tubing

Tube OD	Wall Thickness	Part Number		ID	Tube Length	Weight
in	in	304/L	316/L	in	ft	lb / ft
1/8	0.035	S64ST4035001	S64ST6035001	0.055	20	0.03
1/8	0.049	S64ST4049001	S64ST6049001	0.027	20	0.04
1/4	0.028	S64ST4028002	S64ST6028002	0.194	20	0.06
1/4	0.035	S64ST4035002	S64ST6035002	0.180	20	0.08
1/4	0.049	S64ST4049002	S64ST6049002	0.152	20	0.1
1/4	0.065	S64ST4065002	S64ST6065002	0.120	20	0.1
1/4	0.083	S64ST4083002	S64ST6083002	0.084	20	0.1
5/16	0.035	S64ST4035516	S64ST6035516	0.243	20	0.1
3/8	0.035	S64ST4035003	S64ST6035003	0.305	20	0.1
3/8	0.049	S64ST4049003	S64ST6049003	0.277	20	0.1
3/8	0.065	S64ST4065003	S64ST6065003	0.245	20	0.2
3/8	0.083	S64ST4083003	S64ST6083003	0.209	20	0.2
1/2	0.035	S64ST4035004	S64ST6035004	0.430	20	0.1
1/2	0.049	S64ST4049004	S64ST6049004	0.402	20	0.2
1/2	0.065	S64ST4065004	S64ST6065004	0.370	20	0.3
1/2	0.083	S64ST4083004	S64ST6083004	0.334	20	0.4
1/2	0.120	S64ST4120004	S64ST6120004	0.260	20	0.5
5/8	0.035	S64ST4035005	S64ST6035005	0.555	20	0.2
5/8	0.049	S64ST4049005	S64ST6049005	0.527	20	0.3
5/8	0.065	S64ST4065005	S64ST6065005	0.495	20	0.3
5/8	0.083	S64ST4083005	S64ST6083005	0.509	20	0.5
3/4	0.035	S64ST4035006	S64ST6035006	0.680	20	0.2
3/4	0.049	S64ST4049006	S64ST6049006	0.652	20	0.3
3/4	0.065	S64ST4065006	S64ST6065006	0.620	20	0.4
3/4	0.083	S64ST4083006	S64ST6083006	0.584	20	0.6
1	0.035	S64ST4035010	S64ST6035010	0.930	20	0.3
1	0.049	S64ST4049010	S64ST6049010	0.902	20	0.4
1	0.065	S64ST4065010	S64ST6065010	0.870	20	0.6

Fig. S62TP4 & S62TP6 – Sanitary Tubing

Tube OD	Part Number		Wall Thickness	I.D.	Tube Length	Weight
in	304	316	in	in	ft	lb / ft
1/2	S62TP46004	S62TP66004	0.065	0.370	20	0.3
3/4	S62TP46006	S62TP66006	0.065	0.620	20	0.5
1	S62TP46010	S62TP66010	0.065	0.870	20	0.6
1-1/2	S62TP46014	S62TP66014	0.065	1.370	20	0.9
2	S62TP46020	S62TP66020	0.065	1.870	20	1.3
2-1/2	S62TP46024	S62TP66024	0.065	2.370	20	1.6
3	S62TP46030	S62TP66030	0.065	2.870	20	2.0
4	S62TP48040	S62TP68040	0.083	3.834	20	3.4
6	S62TP49060	S62TP69060	0.109	5.782	20	5.3

Pipe

Nominal IPS in	Nominal O.D. in	Schedule 5S Wall in	Schedule 5S Pressure psi	Schedule 10S Wall in	Schedule 10S Pressure psi	Schedule 40S Wall in	Schedule 40S Pressure psi	Schedule 80S Wall in	Schedule 80S Pressure psi
1/8	0.405	-	-	0.049	18150	0.068	25175	0.095	35175
1/4	0.540	-	-	0.065	18050	0.088	24450	0.119	33050
3/8	0.675	-	-	0.065	14450	0.091	20225	0.126	28000
1/2	0.840	0.065	11600	0.083	14825	0.109	19475	0.147	26250
3/4	1.050	0.065	9275	0.083	11850	0.113	16150	0.154	22000
1	1.315	0.065	7425	0.109	12450	0.133	15175	0.179	20425
1-1/4	1.660	0.065	5875	0.109	9850	0.140	12650	0.191	17250
1-1/2	1.900	0.065	5125	0.109	8600	0.145	11450	0.200	15800
2	2.375	0.065	4100	0.109	6875	0.154	9750	0.218	13775
2-1/2	2.875	0.083	4325	0.120	6250	0.203	10600	0.276	14400
3	3.500	0.083	3550	0.120	5150	0.216	9250		
3-1/2	4.000	0.083	3100	0.120	4500	0.226	8475		
4	4.500	0.083	2750	0.120	4000	0.237	7900		
5	5.563	0.109	2950	0.134	3625	0.258	6950		
6	6.625	0.109	2475	0.134	3050	0.280	6350		
8	8.625	0.109	1900	0.148	2575	0.322	5600		
10	10.750	0.134	1875	0.165	2300	0.365	5100		
12	12.750	0.156	1825	0.180	2125	0.375	4400		
14	14.000	0.156	1675	0.188	2025				
16	16.000	0.165	1550	0.188	1775				
18	18.000	0.165	1375	0.188	1575				
20	20.000	0.188	1400	0.218	1625				
24	24.000	0.218	1375	0.250	1550				
30	30.000	0.250	1250	0.312	1550				

Burst Pressure calculated using Barlows' formula: P= 2ST/D

P = Theoretical internal bursting pressures
S = 75,000 psi fiber stress
T = Nominal wall
D = Nominal O.D.

Tubing

Tube OD in	Wall Thickness - Inches																	
	0.016	0.020	0.028	0.035	0.049	0.065	0.083	0.095	0.109	0.120	0.134	0.156	0.188	0.250	0.313	0.375	0.500	0.750
1/8	19200	24000	39000	42000	58800													
1/4		12000	16800	21000	29400	39000	49800	57000										
5/16		9600	13440	16800	23520	31200	39780	45750										
3/8		8003	11998	14003	19598	26003	33203	38003	43598	48000								
1/2		6000	8400	10500	14700	19500	24900	28500	32700	36000								
5/8		4800	6720	8400	11760	15600	19920	22888	26160	28800	32160	37440	44880					
3/4		3998	5603	6998	9803	12997	16598	18998	21803	24000	26800	31200	37403					
1		3000	4200	5250	7350	9750	12450	14250	16350	18000	20100	23400	28050	37500				
1-1/4		2400	3360	4200	5880	7800	9960	11400	13080	14400	16080	18720	22440	30000				

Burst pressures for 304 and 316 A269 tubing from -20° F and 100° F

The ASME code suggests a safety factor of four
Example: 1/4" O.D. x 0.035 = 5250 psi
For higher temperatures, multiply work pressure by

	300° F	500° F	1000° F
304	0.828	0.744	0.665
316	0.900	0.853	0.746

Stainless Weld Fittings

Stainless Weld Fittings

Specifications

- Stainless weld fittings conform to ASTM A403 Grade 304/304L & 316/316L, ASTM A960, MSS SP-43
- CMTR's available upon request
- Stainless weld fitting dimensions conform to ASME B16.9 (except Wall) and MSS SP-43
- Manufacturing facility is ISO 9001:2008
- Independent lab verification that fittings meet applicable chemical & mechanical properties

SCI ProPak™ System

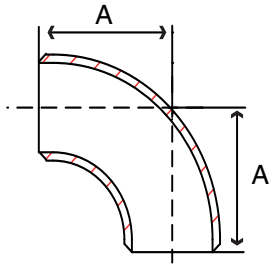


Fig. S2014LE & S2016LE - 90° Elbow Long Radius

Size	Part Number		A	Weight
in	304/304L	316/316L	in	lb
1/2	S2014LE004	S2016LE004	1.50	0.13
3/4	S2014LE006	S2016LE006	1.50	0.16
1	S2014LE010	S2016LE010	1.50	0.38
1-1/4	S2014LE012	S2016LE012	1.88	0.50
1-1/2	S2014LE014	S2016LE014	2.25	0.75
2	S2014LE020	S2016LE020	3.00	1.10
2-1/2	S2014LE024	S2016LE024	3.75	1.88
3	S2014LE030	S2016LE030	4.50	2.50
4	S2014LE040	S2016LE040	6.00	4.30
5	S2014LE050	S2016LE050	7.50	7.40
6	S2014LE060	S2016LE060	9.00	11.00

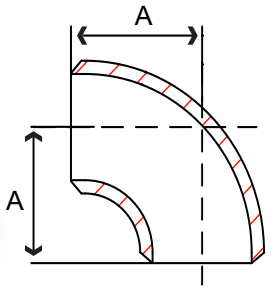


Fig. S2014E & S2016E - 90° Elbow Short Radius

Size	Part Number		A	Weight
in	304/304L	316/316L	in	lb
1	S2014E 010	S2016E 010	1.00	0.23
1-1/4	S2014E 012	S2016E 012	1.25	0.38
1-1/2	S2014E 014	S2016E 014	1.50	0.49
2	S2014E 020	S2016E 020	2.00	0.81
2-1/2	S2014E 024	S2016E 024	2.50	1.36
3	S2014E 030	S2016E 030	3.00	2.17
4	S2014E 040	S2016E 040	4.00	3.80
5	S2014E 050	S2016E 050	5.00	5.19
6	S2014E 060	S2016E 060	6.00	7.45

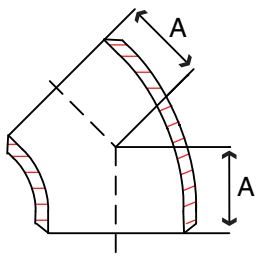


Fig. S2014F & S2016F - 45° Elbow

Size	Part Number		A	Weight
in	304/304L	316/316L	in	lb
1/2	S2014F 004	S2016F 004	0.62	0.07
3/4	S2014F 006	S2016F 006	0.75	0.07
1	S2014F 010	S2016F 010	0.86	0.1
1-1/4	S2014F 012	S2016F 012	1.00	0.2
1-1/2	S2014F 014	S2016F 014	1.12	0.3
2	S2014F 020	S2016F 020	1.36	0.5
2-1/2	S2014F 024	S2016F 024	1.75	0.9
3	S2014F 030	S2016F 030	2.00	1.3
4	S2014F 040	S2016F 040	2.50	2.3
5	S2014F 050	S2016F 050	3.12	4.0
6	S2014F 060	S2016F 060	3.75	5.7

Fig. S2014T & S2016T - Tee

Size	Part Number		A	Weight
in	304/304L	316/316L	in	lb
1/2	S2014T 004	S2016T 004	1.00	0.2
3/4	S2014T 006	S2016T 006	1.13	0.3
1	S2014T 010	S2016T 010	1.50	0.5
1-1/4	S2014T 012	S2016T 012	1.88	1.1
1-1/2	S2014T 014	S2016T 014	2.25	1.6
2	S2014T 020	S2016T 020	2.50	1.7
2-1/2	S2014T 024	S2016T 024	3.00	2.8
3	S2014T 030	S2016T 030	3.38	3.8
4	S2014T 040	S2016T 040	4.12	5.8
5	S2014T 050	S2016T 050	4.88	10.3
6	S2014T 060	S2016T 060	5.62	14.6

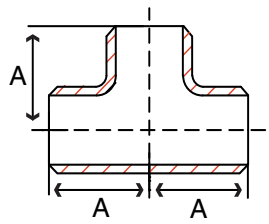


Fig. S2014X & S2016X - Cross

Size	Part Number		A	Weight
in	304/304L	316/316L	in	lb
1-1/2	S2014X 014	S2016X 014	2.25	1.7
2	S2014X 020	S2016X 020	2.50	2.1
3	S2014X 030	S2016X 030	3.38	4.4
4	S2014X 040	S2016X 040	4.12	8.7
6	S2014X 060	S2016X 060	5.62	20.4

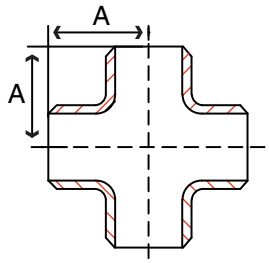
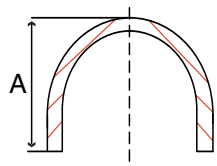


Fig. S2014C & S2016C - Cap

Size	Part Number		A	Weight
in	304/304L	316/316L	in	lb
1/2	S2014C 004	S2016C 004	1.00	0.07
3/4	S2014C 006	S2016C 006	1.00	0.1
1	S2014C 010	S2016C 010	1.50	0.1
1-1/4	S2014C 012	S2016C 012	1.50	0.2
1-1/2	S2014C 014	S2016C 014	1.50	0.2
2	S2014C 020	S2016C 020	1.50	0.4
2-1/2	S2014C 024	S2016C 024	1.50	0.5
3	S2014C 030	S2016C 030	2.00	0.8
4	S2014C 040	S2016C 040	2.50	1.2
5	S2014C 050	S2016C 050	3.00	2.4
6	S2014C 060	S2016C 060	3.50	3.1



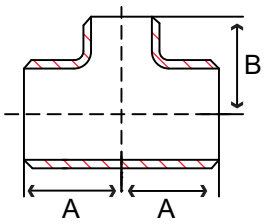
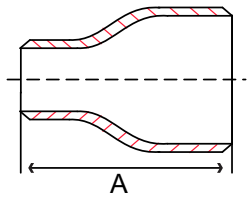


Fig. S2014RT & S2016RT - Reducing Tee

Size	Part Number		A	B	Weight
in	304/304L	316/316L	in	in	lb
3/4 x 1/2	S2014RT006004	S2016RT006004	1.13	1.13	0.2
1 x 1/2	S2014RT010004	S2016RT010004	1.50	1.50	0.5
1 x 3/4	S2014RT010006	S2016RT010006	1.50	1.50	0.5
1-1/4 x 3/4	S2014RT012006	S2016RT012006	1.88	1.88	0.9
1-1/4 x 1	S2014RT012010	S2016RT012010	1.88	1.88	0.9
1-1/2 x 1/2	S2014RT014004	S2016RT014004	2.25	2.25	1.2
1-1/2 x 3/4	S2014RT014006	S2016RT014006	2.25	2.25	1.2
1-1/2 x 1	S2014RT014010	S2016RT014010	2.25	2.25	1.3
1-1/2 x 1-1/4	S2014RT014012	S2016RT014012	2.25	2.25	1.3
2 x 1/2	S2014RT020004	S2014RT020004	2.50	1.75	1.5
2 x 3/4	S2014RT020006	S2016RT020006	2.50	1.75	1.5
2 x 1	S2014RT020010	S2016RT020010	2.50	2.00	1.6
2 x 1-1/4	S2014RT020012	S2016RT020012	2.50	2.25	1.6
2 x 1-1/2	S2014RT020014	S2016RT020014	2.50	2.38	1.6
2-1/2 x 1	S2014RT024010	S2016RT024010	3.00	2.25	2.6
2-1/2 x 1-1/2	S2014RT024014	S2016RT024014	3.00	2.63	2.7
2-1/2 x 2	S2014RT024020	S2016RT024020	3.00	2.75	2.7
3 x 1	S2014RT030010	S2016RT030010	3.38	2.63	3.2
3 x 1-1/4	S2014RT030012	S2016RT030012	3.38	2.75	3.3
3 x 1-1/2	S2014RT030014	S2016RT030014	3.38	2.88	3.3
3 x 2	S2014RT030020	S2016RT030020	3.38	3.00	3.4
3 x 2-1/2	S2014RT030024	S2016RT030024	3.38	3.25	3.5
4 x 1-1/2	S2014RT040014	S2016RT040014	4.13	3.38	6.4
4 x 2	S2014RT040020	S2016RT040020	4.13	3.50	6.4
4 x 2-1/2	S2014RT040024	S2016RT040024	4.13	3.75	6.5
4 x 3	S2014RT040030	S2016RT040030	4.13	3.88	6.7
5 x 3	S2014RT050030	S2016RT050030	4.88	4.38	11.5
5 x 4	S2014RT050040	S2016RT050040	4.88	4.63	12.1
6 x 2	S2014RT060020	S2016RT060020	5.63	4.75	14.9
6 x 2-1/2	S2014RT060024	S2016RT060024	5.63	4.75	14.9
6 x 3	S2014RT060030	S2016RT060030	5.63	4.88	15.1
6 x 4	S2014RT060040	S2016RT060040	5.63	5.13	15.6

Fig. S2014CR & S2016CR - Concentric Reducer

Size in	Part Number 304/304L	Part Number 316/316L	A in	Weight lb
3/4 x 1/2	S2014CR006004	S2016CR006004	1.5	0.2
1 x 1/2	S2014CR010004	S2016CR010004	2.0	0.2
1 x 3/4	S2014CR010006	S2016CR010006	2.0	0.2
1-1/4 x 1/2	S2014CR012004	S2016CR012004	2.0	0.3
1-1/4 x 3/4	S2014CR012006	S2016CR012006	2.0	0.3
1-1/4 x 1	S2014CR012010	S2016CR012010	2.0	0.3
1-1/2 x 1/2	S2014CR014004	S2016CR014004	2.5	0.3
1-1/2 x 3/4	S2014CR014006	S2016CR014006	2.5	0.3
1-1/2 x 1	S2014CR014010	S2016CR014010	2.5	0.4
1-1/2 x 1-1/4	S2014CR014012	S2016CR014012	2.5	0.4
2 x 1/2	S2014CR020004	S2016CR020004	3.0	0.5
2 x 3/4	S2014CR020006	S2016CR020006	3.0	0.5
2 x 1	S2014CR020010	S2016CR020010	3.0	0.6
2 x 1-1/4	S2014CR020012	S2016CR020012	3.0	0.6
2 x 1-1/2	S2014CR020014	S2016CR020014	3.0	0.6
2-1/2 x 1	S2014CR024010	S2016CR024010	3.5	0.8
2-1/2 x 1-1/4	S2014CR024012	S2016CR024012	3.5	0.9
2-1/2 x 1-1/2	S2014CR024014	S2016CR024014	3.5	0.9
2-1/2 x 2	S2014CR024020	S2016CR024020	3.5	1.0
3 x 1	S2014CR030010	S2016CR030010	3.5	1.0
3 x 1-1/4	S2014CR030012	S2016CR030012	3.5	1.0
3 x 1-1/2	S2014CR030014	S2016CR030014	3.5	1.1
3 x 2	S2014CR030020	S2016CR030020	3.5	1.2
3 x 2-1/2	S2014CR030024	S2016CR030024	3.5	1.3
4 x 1-1/2	S2014CR040014	S2016CR040014	4.0	1.7
4 x 2	S2014CR040020	S2016CR040020	4.0	1.5
4 x 2-1/2	S2014CR040024	S2016CR040024	4.0	1.7
4 x 3	S2014CR040030	S2016CR040030	4.0	1.8
5 x 3	S2014CR050030	S2016CR050030	5.0	3.0
5 x 4	S2014CR050040	S2016CR050040	5.0	3.2
6 x 2	S2014CR060020	S2016CR060020	5.5	3.2
6 x 2-1/2	S2014CR060024	S2016CR060024	5.5	3.2
6 x 3	S2014CR060030	S2016CR060030	5.5	3.3
6 x 4	S2014CR060040	S2016CR060040	5.5	4.2
6 x 5	S2014CR060050	S2016CR060050	5.5	4.3



SCI® **Pro Pak System**

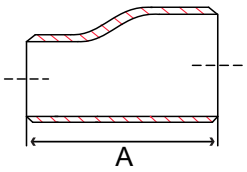


Fig. S2014ER & S2016ER - Eccentric Reducer

Size in	Part Number 304/304L	Part Number 316/316L	A in	Weight lb
3/4 x 1/2	S2014ER006004	S2016ER006004	1.5	0.2
1 x 1/2	S2014ER010004	S2016ER010004	2.0	0.2
1 x 3/4	S2014ER010006	S2016ER010006	2.0	0.2
1-1/4 x 3/4	S2014ER012006	S2016ER012006	2.0	0.3
1-1/4 x 1	S2014ER012010	S2016ER012010	2.0	0.3
1-1/2 x 1/2	S2014ER014004	S2016ER014004	2.5	0.3
1-1/2 x 3/4	S2014ER014006	S2016ER014006	2.5	0.3
1-1/2 x 1	S2014ER014010	S2016ER014010	2.5	0.4
1-1/2 x 1-1/4	S2014ER014012	S2016ER014012	2.5	0.4
2 x 1/2	S2014ER020004	S2016ER020004	3.0	0.5
2 x 3/4	S2014ER020006	S2016ER020006	3.0	0.5
2 x 1	S2014ER020010	S2016ER020010	3.0	0.6
2 x 1-1/4	S2014ER020012	S2016ER020012	3.0	0.6
2 x 1-1/2	S2014ER020014	S2016ER020014	3.0	0.6
2-1/2 x 1	S2014ER024010	S2016ER024010	3.5	0.8
2-1/2 x 1-1/2	S2014ER024014	S2016ER024014	3.5	0.9
2-1/2 x 2	S2014ER024020	S2016ER024020	3.5	1.0
3 x 1	S2014ER030010	S2016ER030010	3.5	1.0
3 x 1-1/4	S2014ER030012	S2016ER030012	3.5	1.0
3 x 1-1/2	S2014ER030014	S2016ER030014	3.5	1.1
3 x 2	S2014ER030020	S2016ER030020	3.5	1.2
3 x 2-1/2	S2014ER030024	S2016ER030024	3.5	1.3
4 x 1-1/2	S2014ER040014	S2016ER040014	4.0	1.7
4 x 2	S2014ER040020	S2016ER040020	4.0	1.5
4 x 2-1/2	S2014ER040024	S2016ER040024	4.0	1.7
4 x 3	S2014ER040030	S2016ER040030	4.0	1.8
5 x 3	S2014ER050030	S2016ER050030	5.0	3.0
5 x 4	S2014ER050040	S2016ER050040	5.0	3.2
6 x 2	S2014ER060020	S2016ER060020	5.5	3.2
6 x 2-1/2	S2014ER060024	S2016ER060024	5.5	3.2
6 x 3	S2014ER060030	S2016ER060030	5.5	3.3
6 x 4	S2014ER060040	S2016ER060040	5.5	4.2
6 x 5	S2014ER060050	S2016ER060050	5.5	4.3

Fig. S2044LE & S2046LE - 90° Elbow Long Radius

Size	Part Number		A	Weight
in	304/304L	316/316L	in	lb
1/2	S2044LE004	S2046LE004	1.50	0.18
3/4	S2044LE006	S2046LE006	1.50	0.19
1	S2044LE010	S2046LE010	1.50	0.40
1-1/4	S2044LE012	S2046LE012	1.88	0.60
1-1/2	S2044LE014	S2046LE014	2.25	0.90
2	S2044LE020	S2046LE020	3.00	1.60
2-1/2	S2044LE024	S2046LE024	3.75	3.25
3	S2044LE030	S2046LE030	4.50	5.00
4	S2044LE040	S2046LE040	6.00	9.00
5	S2044LE050	S2046LE050	7.50	15.50
6	S2044LE060	S2046LE060	9.00	24.50

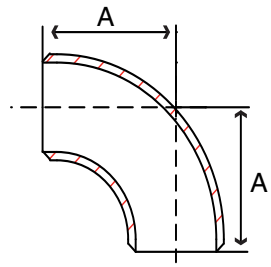


Fig. S2044E & S2046E - 90° Elbow Short Radius

Size	Part Number		A	Weight
in	304/304L	316/316L	in	lb
1	S2044E 010	S2046E 010	1.00	0.26
1-1/4	S2044E 012	S2046E 012	1.25	0.45
1-1/2	S2044E 014	S2046E 014	1.50	0.63
2	S2044E 020	S2046E 020	2.00	1.13
2-1/2	S2044E 024	S2046E 024	2.50	2.25
3	S2044E 030	S2046E 030	3.00	3.31
4	S2044E 040	S2046E 040	4.00	6.88
5	S2044E 050	S2046E 050	5.00	11.63
6	S2044E 060	S2046E 060	6.00	17.50

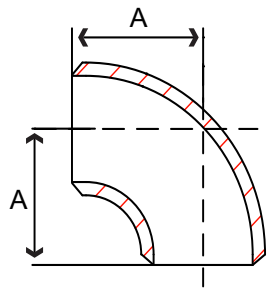
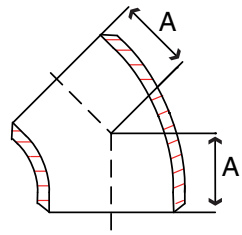


Fig. S2044F & S2046F - 45° Elbow

Size	Part Number		A	Weight
in	304/304L	316/316L	in	lb
1/2	S2044F 004	S2046F 004	0.62	0.09
3/4	S2044F 006	S2046F 006	0.75	0.09
1	S2044F 010	S2046F 010	0.86	0.1
1-1/4	S2044F 012	S2046F 012	1.00	0.2
1-1/2	S2044F 014	S2046F 014	1.12	0.4
2	S2044F 020	S2046F 020	1.36	0.7
2-1/2	S2044F 024	S2046F 024	1.75	1.4
3	S2044F 030	S2046F 030	2.00	2.3
4	S2044F 040	S2046F 040	2.50	4.4
5	S2044F 050	S2046F 050	3.12	7.5
6	S2044F 060	S2046F 060	3.75	11.8



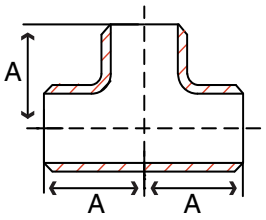


Fig. S2044T & S2046T - Tee

Size	Part Number		A	Weight
in	304/304L	316/316L	in	lb
1/2	S2044T 004	S2046T 004	1.00	0.3
3/4	S2044T 006	S2046T 006	1.13	0.4
1	S2044T 010	S2046T 010	1.50	0.6
1-1/4	S2044T 012	S2046T 012	1.88	1.1
1-1/2	S2044T 014	S2046T 014	2.25	1.6
2	S2044T 020	S2046T 020	2.50	4.1
2-1/2	S2044T 024	S2046T 024	3.00	6.3
3	S2044T 030	S2046T 030	3.38	8.4
4	S2044T 040	S2046T 040	4.12	13.2
5	S2044T 050	S2046T 050	4.88	21.9
6	S2044T 060	S2046T 060	5.62	34.6

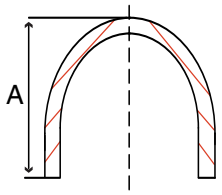
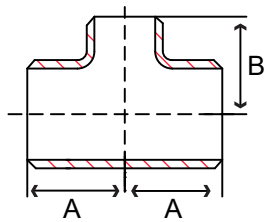


Fig. S2044C & S2046C - Cap

Size	Part Number		A	Weight
in	304/304L	316/316L	in	lb
1/2	S2044C 004	S2046C 004	1.00	0.07
3/4	S2044C 006	S2046C 006	1.00	0.1
1	S2044C 010	S2046C 010	1.50	0.2
1-1/4	S2044C 012	S2046C 012	1.50	0.3
1-1/2	S2044C 014	S2046C 014	1.50	0.3
2	S2044C 020	S2046C 020	1.50	0.5
2-1/2	S2044C 024	S2046C 024	1.50	0.8
3	S2044C 030	S2046C 030	2.00	1.4
4	S2044C 040	S2046C 040	2.50	2.5
5	S2044C 050	S2046C 050	3.00	4.1
6	S2044C 060	S2046C 060	3.50	6.4

Fig. S2044RT & S2046RT - Reducing Tee

Size	Part Number		A	B	Weight
in	304/304L	316/316L	in	in	lb
3/4 x 1/2	S2044RT006004	S2046RT006004	1.13	1.13	0.3
1 x 1/2	S2044RT010004	S2046RT010004	1.50	1.50	0.5
1 x 3/4	S2044RT010006	S2046RT010006	1.50	1.50	0.5
1-1/4 x 3/4	S2044RT012006	S2046RT012006	1.88	1.88	1.1
1-1/4 x 1	S2044RT012010	S2046RT012010	1.88	1.88	1.1
1-1/2 x 1/2	S2044RT014004	S2046RT014004	2.25	2.25	1.6
1-1/2 x 3/4	S2044RT014006	S2046RT014006	2.25	2.25	1.6
1-1/2 x 1	S2044RT014010	S2046RT014010	2.25	2.25	1.6
1-1/2 x 1-1/4	S2044RT014012	S2046RT014012	2.25	2.25	1.7
2 x 1/2	S2044RT020004	S2046RT020004	2.50	1.75	2.4
2 x 3/4	S2044RT020006	S2046RT020006	2.50	1.75	2.4
2 x 1	S2044RT020010	S2046RT020010	2.50	2.00	2.4
2 x 1-1/4	S2044RT020012	S2046RT020012	2.50	2.25	2.4
2 x 1-1/2	S2044RT020014	S2046RT020014	2.50	2.38	2.5
2-1/2 x 1	S2044RT024010	S2046RT024010	3.0	2.25	4.1
2-1/2 x 1-1/2	S2044RT024014	S2046RT024014	3.0	2.63	4.2
2-1/2 x 2	S2044RT024020	S2046RT024020	3.0	2.75	4.3
3 x 1	S2044RT030010	S2046RT030010	3.38	2.63	6.1
3 x 1-1/4	S2044RT030012	S2046RT030012	3.38	2.75	6.2
3 x 1-1/2	S2044RT030014	S2046RT030014	3.38	2.88	6.2
3 x 2	S2044RT030020	S2046RT030020	3.38	3.00	6.4
3 x 2-1/2	S2044RT030024	S2046RT030024	3.38	3.25	6.5
4 x 1-1/2	S2044RT040014	S2046RT040014	4.13	3.38	9.7
4 x 2	S2044RT040020	S2046RT040020	4.13	3.25	9.8
4 x 2-1/2	S2044RT040024	S2046RT040024	4.13	3.75	10.0
4 x 3	S2044RT040030	S2046RT040030	4.13	3.88	10.2
5 x 3	S2044RT050030	S2046RT050030	4.88	4.38	17.8
5 x 4	S2044RT050040	S2046RT050040	4.88	4.63	18.6
6 x 2	S2044RT060020	S2046RT060020	5.63	4.75	20.3
6 x 2-1/2	S2044RT060024	S2046RT060024	5.63	4.75	20.3
6 x 3	S2044RT060030	S2046RT060030	5.63	4.88	26.3
6 x 4	S2044RT060040	S2046RT060040	5.63	5.13	21.3
6 x 5	S2044RT060050	S2046RT060050	5.63	5.38	21.8



Be sure to check out the Pipe Section starting on page 271

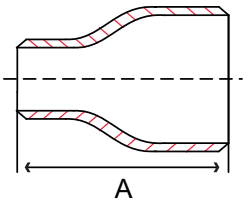
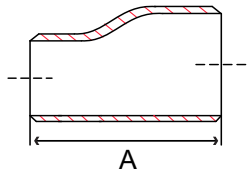


Fig. S2044CR & S2046CR - Concentric Reducer

Size in	Part Number		A in	Weight lb
	304/304L	316/316L		
3/4 x 1/2	S2044CR006004	S2046CR006004	1.5	0.3
1 x 1/2	S2044CR010004	S2046CR010004	2.0	0.3
1 x 3/4	S2044CR010006	S2046CR010006	2.0	0.3
1-1/4 x 3/4	S2044CR012006	S2046CR012006	2.0	0.4
1-1/4 x 1	S2044CR012010	S2046CR012010	2.0	0.4
1-1/2 x 1/2	S2044CR014004	S2046CR014004	2.5	0.5
1-1/2 x 3/4	S2044CR014006	S2046CR014006	2.5	0.5
1-1/2 x 1	S2044CR014010	S2046CR014010	2.5	0.5
1-1/2 x 1-1/4	S2044CR014012	S2046CR014012	2.5	0.6
2 x 1/2	S2044CR020004	S2046CR020004	3.0	0.8
2 x 3/4	S2044CR020006	S2046CR020006	3.0	0.8
2 x 1	S2044CR020010	S2046CR020010	3.0	0.8
2 x 1-1/4	S2044CR020012	S2046CR020012	3.0	0.9
2 x 1-1/2	S2044CR020014	S2046CR020014	3.0	0.9
2-1/2 x 1	S2044CR024010	S2046CR024010	3.5	1.4
2-1/2 x 1-1/4	S2044CR024012	S2046CR024012	3.5	1.6
2-1/2 x 1-1/2	S2044CR024014	S2046CR024014	3.5	1.6
2-1/2 x 2	S2044CR024020	S2046CR024020	3.5	1.7
3 x 1	S2044CR030010	S2046CR030010	3.5	1.8
3 x 1-1/4	S2044CR030012	S2046CR030012	3.5	1.8
3 x 1-1/2	S2044CR030014	S2046CR030014	3.5	2.0
3 x 2	S2044CR030020	S2046CR030020	3.5	2.2
3 x 2-1/2	S2044CR030024	S2046CR030024	3.5	2.3
4 x 1-1/2	S2044CR040014	S2046CR040014	4.0	3.3
4 x 2	S2044CR040020	S2046CR040020	4.0	3.0
4 x 2-1/2	S2044CR040024	S2046CR040024	4.0	3.4
4 x 3	S2044CR040030	S2046CR040030	4.0	3.6
5 x 3	S2044CR050030	S2046CR050030	5.0	6.0
5 x 4	S2044CR050040	S2046CR050040	5.0	6.4
6 x 2	S2044CR060020	S2046CR060020	5..5	6.5
6 x 2-1/2	S2044CR060024	S2046CR060024	5..5	6.5
6 x 3	S2044CR060030	S2046CR060030	5..5	8.3
6 x 4	S2044CR060040	S2046CR060040	5..5	8.9
6 x 5	S2044CR060050	S2046CR060050	5..5	8.9

Fig. S2044ER & S2046ER - Eccentric Reducer

Size	Part Number		A	Weight
in	304/304L	316/316L	in	lb
3/4 x 1/2	S2044ER006004	S2046ER006004	1.5	0.3
1 x 1/2	S2044ER010004	S2046ER010004	2.0	0.3
1 x 3/4	S2044ER010006	S2046ER010006	2.0	0.3
1-1/4 x 3/4	S2044ER012006	S2046ER012006	2.0	0.4
1-1/4 x 1	S2044ER012010	S2046ER012010	2.0	0.4
1-1/2 x 1/2	S2044ER014004	S2046ER014004	2.5	0.5
1-1/2 x 3/4	S2044ER014006	S2046ER014006	2.5	0.5
1-1/2 x 1	S2044ER014010	S2046ER014010	2.5	0.5
1-1/2 x 1-1/4	S2044ER014012	S2046ER014012	2.5	0.6
2 x 1/2	S2044ER020004	S2046ER020004	3.0	0.8
2 x 3/4	S2044ER020006	S2046ER020006	3.0	0.8
2 x 1	S2044ER020010	S2046ER020010	3.0	0.8
2 x 1-1/4	S2044ER020012	S2046ER020012	3.0	0.9
2 x 1-1/2	S2044ER020014	S2046ER020014	3.0	0.9
2-1/2 x 1	S2044ER024010	S2046ER024010	3.5	1.4
2-1/2 x 1-1/2	S2044ER024014	S2046ER024014	3.5	1.6
2-1/2 x 2	S2044ER024020	S2046ER024020	3.5	1.7
3 x 1	S2044ER030010	S2046ER030010	3.5	1.8
3 x 1-1/4	S2044ER030012	S2046ER030012	3.5	1.8
3 x 1-1/2	S2044ER030014	S2046ER030014	3.5	2.0
3 x 2	S2044ER030020	S2046ER030020	3.5	2.2
3 x 2-1/2	S2044ER030024	S2046ER030024	3.5	2.3
4 x 1-1/2	S2044ER040014	S2046ER040014	4.0	3.3
4 x 2	S2044ER040020	S2046ER040020	4.0	3.0
4 x 2-1/2	S2044ER040024	S2046ER040024	4.0	3.4
4 x 3	S2044ER040030	S2046ER040030	4.0	3.6
5 x 3	S2044ER050030	S2046ER050030	5.0	6.0
5 x 4	S2044ER050040	S2046ER050040	5.0	6.4
6 x 2	S2044ER060020	S2046ER060020	5.5	6.5
6 x 2-1/2	S2044ER060024	S2046ER060024	5.5	6.5
6 x 3	S2044ER060030	S2046ER060030	5.5	8.3
6 x 4	S2044ER060040	S2046ER060040	5.5	8.9
6 x 5	S2044ER060050	S2046ER060050	5.5	8.9



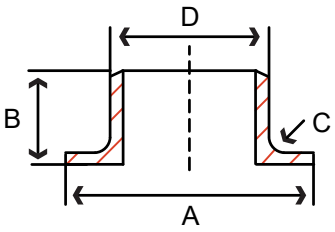


Fig. S2214MA & S2216MA - Sch 10 MSS Type A Stub End

Size	Part Number		A	B	C (radius)	D	Weight
in	304/304L	316/316L	in	in	in	in	lb
1/2	S2214MA004	S2216MA004	1.38	2.00	0.125	0.840	0.1
3/4	S2214MA006	S2216MA006	1.69	2.00	0.125	1.050	0.1
1	S2214MA010	S2216MA010	2.00	2.00	0.125	1.315	0.3
1-1/4	S2214MA012	S2216MA012	2.50	2.00	0.187	1.660	0.4
1-1/2	S2214MA014	S2216MA014	2.88	2.00	0.250	1.900	0.5
2	S2214MA020	S2216MA020	3.62	2.50	0.313	2.375	0.8
2-1/2	S2214MA024	S2216MA024	4.12	2.50	0.313	2.875	1.0
3	S2214MA030	S2216MA030	5.00	2.50	0.375	3.500	1.4
4	S2214MA040	S2216MA040	6.19	3.00	0.436	4.500	2.1
5	S2214MA050	S2216MA050	7.31	3.00	0.436	5.563	2.7
6	S2214MA060	S2216MA060	8.50	3.50	0.500	6.625	4.3

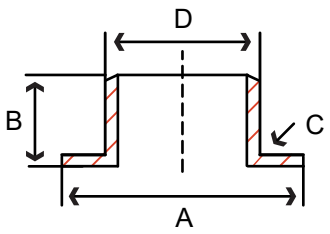
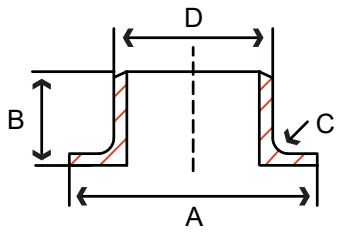


Fig. S2214MC & S2216MC - Sch 10 MSS Type C Stub End

Size	Part Number		A	B	C (radius)	D	Weight
in	304/304L	316/316L	in	in	in	in	lb
1/2	S2214MC004	S2216MC004	1.38	2.00	0.031	0.840	0.1
3/4	S2214MC006	S2216MC006	1.69	2.00	0.031	1.050	0.1
1	S2214MC010	S2216MC010	2.00	2.00	0.031	1.315	0.3
1-1/4	S2214MC012	S2216MC012	2.50	2.00	0.031	1.660	0.4
1-1/2	S2214MC014	S2216MC014	2.88	2.00	0.031	1.900	0.5
2	S2214MC020	S2216MC020	3.62	2.50	0.031	2.375	0.8
2-1/2	S2214MC024	S2216MC024	4.12	2.50	0.031	2.875	1.0
3	S2214MC030	S2216MC030	5.00	2.50	0.031	3.500	1.4
4	S2214MC040	S2216MC040	6.19	3.00	0.063	4.500	2.1
5	S2214MC050	S2216MC050	7.31	3.00	0.063	5.563	2.7
6	S2214MC060	S2216MC060	8.50	3.50	0.063	6.625	4.3

Fig. S2244MA & S2246MA - Sch 40 MSS Type A Stub End

Size	Part Number		A	B	C (radius)	D	Weight
in	304/304L	316/316L	in	in	in	in	lb
1/2	S2244MA004	S2246MA004	1.38	2.00	0.125	0.840	0.2
3/4	S2244MA006	S2246MA006	1.69	2.00	0.125	1.050	0.3
1	S2244MA010	S2246MA010	2.00	2.00	0.125	1.315	0.4
1-1/4	S2244MA012	S2246MA012	2.50	2.00	0.187	1.660	0.5
1-1/2	S2244MA014	S2246MA014	2.88	2.00	0.250	1.900	0.8
2	S2244MA020	S2246MA020	3.62	2.50	0.313	2.375	1.1
2-1/2	S2244MA024	S2246MA024	4.12	2.50	0.313	2.875	1.7
3	S2244MA030	S2246MA030	5.00	2.50	0.375	3.500	2.5
4	S2244MA040	S2246MA040	6.19	3.00	0.436	4.500	4.0
5	S2244MA050	S2246MA050	7.31	3.00	0.436	5.563	5.6
6	S2244MA060	S2246MA060	8.50	3.50	0.500	6.625	8.2



SCI ProPak™ System

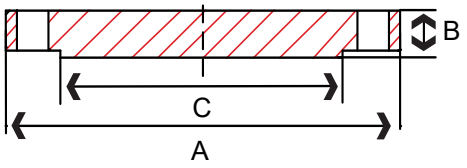
Stainless Steel Flanges

Stainless Steel Flanges

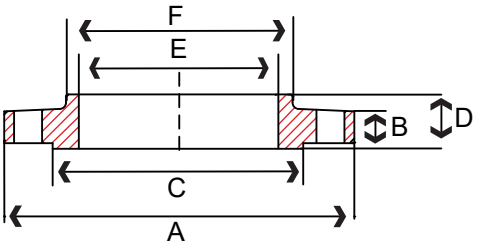
Specifications

- Forged stainless steel material conforms to ASME SA182 Grades F304/304L & F316/316L
- Forged stainless steel flange dimensions conform to ASME B16.5
- NPT threads conform to ASME B1.20.1
- Manufacturing facility is ISO 9001:2008
- Stainless steel plate flange dimensions conform to ASME B16.5 Class 150
- Stainless steel plate flange made from ASTM A240 plate or cast in conformance with ASTM A351
- CMTR's Available

SCI ProPak™ System



Blind Flange



Slip-On Flange

150# – Blind Raised Face Flange

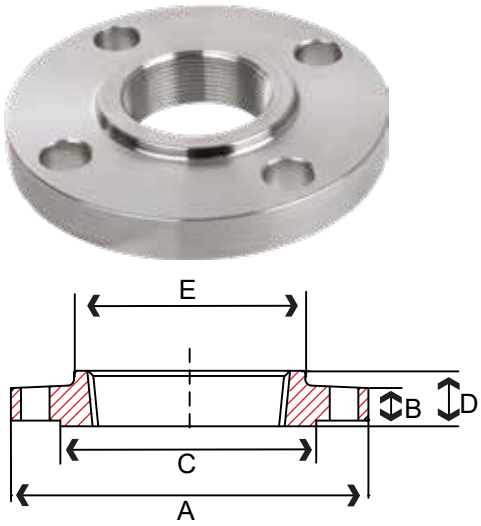
Size	Part Number		A	B	C	Bolt Circle	Bolt Hole Diameter	Number of Bolt Holes	Weight
in	304/304L	316/316L	in	in	in	in	in		lb
1/2	S1014BL004N	S1016BL004N	3.50	0.44	1.38	2.38	0.62	4	1
3/4	S1014BL006N	S1016BL006N	3.88	0.50	1.69	2.75	0.62	4	2
1	S1014BL010N	S1016BL010N	4.25	0.56	2.00	3.12	0.62	4	2
1-1/4	S1014BL012N	S1016BL012N	4.62	0.62	2.50	3.50	0.62	4	3
1-1/2	S1014BL014N	S1016BL014N	5.00	0.69	2.88	3.88	0.62	4	4
2	S1014BL020N	S1016BL020N	6.00	0.75	3.62	4.75	0.75	4	5
2-1/2	S1014BL024N	S1016BL024N	7.00	0.88	4.12	5.50	0.75	4	7
3	S1014BL030N	S1016BL030N	7.50	0.94	5.00	6.00	0.75	4	9
4	S1014BL040N	S1016BL040N	9.00	0.94	6.19	7.50	0.75	8	17
5	S1014BL050N	S1016BL050N	10.00	0.94	7.31	8.50	0.88	8	20
6	S1014BL060N	S1016BL060N	11.00	1.00	8.50	9.50	0.88	8	26

Raised Face 1/16”

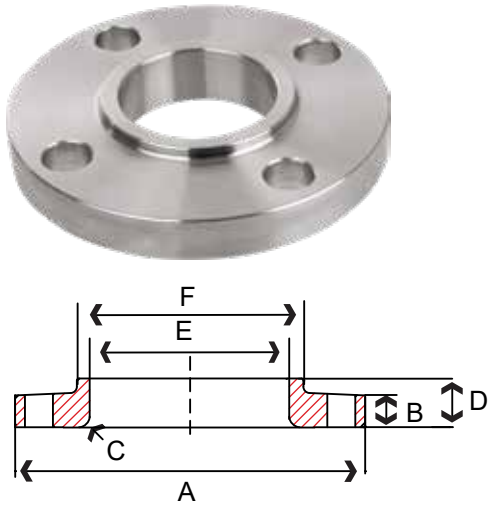
150# – Slip-On Raised Face Flange

Size	Part Number		A	B	C	D	E	F	Bolt Circle	Bolt Hole Diameter	Number of Bolt Holes	Weight
in	304/304L	316/316L	in	in	in	in	in	in	in	in		lb
1/2	S1014SO004N	S1016SO004N	3.50	0.44	1.38	0.62	0.88	1.19	2.38	0.62	4	1
3/4	S1014SO006N	S1016SO006N	3.88	0.50	1.69	0.62	1.09	1.50	2.75	0.62	4	2
1	S1014SO010N	S1016SO010N	4.25	0.56	2.00	0.69	1.36	1.94	3.12	0.62	4	2
1-1/4	S1014SO012N	S1016SO012N	4.62	0.62	2.50	0.81	1.70	2.31	3.50	0.62	4	3
1-1/2	S1014SO014N	S1016SO014N	5.00	0.69	2.88	0.88	1.95	2.56	3.88	0.62	4	3
2	S1014SO020N	S1016SO020N	6.00	0.75	3.62	1.00	2.44	3.06	4.75	0.75	4	5
2-1/2	S1014SO024N	S1016SO024N	7.00	0.88	4.12	1.12	2.94	3.56	5.50	0.75	4	7
3	S1014SO030N	S1016SO030N	7.50	0.94	5.00	1.19	3.57	4.25	6.00	0.75	4	8
4	S1014SO040N	S1016SO040N	9.00	0.94	6.19	1.31	4.60	5.31	7.50	0.75	8	13
5	S1014SO050N	S1016SO050N	10.00	0.94	7.31	1.44	5.66	6.44	8.50	0.88	8	15
6	S1014SO060N	S1016SO060N	11.00	1.00	8.50	1.56	6.72	7.56	9.50	0.88	8	19

Raised Face 1/16”



Threaded Flange



Lap Joint Flange

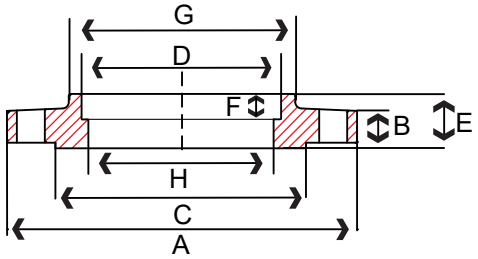
150# – Threaded Raised Face Flange

Size	Part Number		A	B	C	D	E	Bolt Circle	Bolt Hole Diameter	Number of Bolt Holes	Weight
in	304/304L	316/316L	in	in	in	in	in	in	in		lb
1/2	S1014TH004N	S1016TH004N	3.50	0.44	1.38	0.62	1.19	2.38	0.62	4	1
3/4	S1014TH006N	S1016TH006N	3.88	0.50	1.69	0.62	1.50	2.75	0.62	4	2
1	S1014TH010N	S1016TH010N	4.25	0.56	2.00	0.69	1.94	3.12	0.62	4	2
1-1/4	S1014TH012N	S1016TH012N	4.62	0.62	2.50	0.81	2.31	3.50	0.62	4	3
1-1/2	S1014TH014N	S1016TH014N	5.00	0.69	2.88	0.88	2.56	3.88	0.62	4	3
2	S1014TH020N	S1016TH020N	6.00	0.75	3.62	1.00	3.06	4.75	0.75	4	5
2-1/2	S1014TH024N	S1016TH024N	7.00	0.88	4.12	1.12	3.56	5.50	0.75	4	7
3	S1014TH030N	S1016TH030N	7.50	0.94	5.00	1.19	4.25	6.00	0.75	4	8
4	S1014TH040N	S1016TH040N	9.00	0.94	6.19	1.31	5.31	7.50	0.75	8	13
5	S1014TH050N	-	10.00	0.94	7.31	1.44	6.44	8.50	0.88	8	15
6	S1014TH060N	S1016TH060N	11.00	1.00	8.50	1.56	7.56	9.50	0.88	8	19

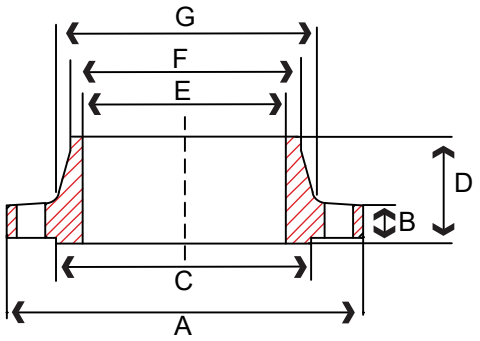
Raised Face 1/16”

150# – Lap Joint Flange

Size	Part Number		A	B	C	D	E	F	Bolt Circle	Bolt Hole Diameter	Number of Bolt Holes	Weight
in	304/304L	316/316L	in	in	in	in	in	in	in	in		lb
1/2	S1014LJ004N	S1016LJ004N	3.50	0.44	0.12	0.62	0.90	1.19	2.38	0.62	4	1
3/4	S1014LJ006N	S1016LJ006N	3.88	0.50	0.12	0.62	1.11	1.50	2.75	0.62	4	2
1	S1014LJ010N	S1016LJ010N	4.25	0.56	0.12	0.69	1.38	1.94	3.12	0.62	4	2
1-1/4	S1014LJ012N	S1016LJ012N	4.62	0.62	0.19	0.81	1.72	2.31	3.50	0.62	4	3
1-1/2	S1014LJ014N	S1016LJ014N	5.00	0.69	0.25	0.88	1.97	2.56	3.88	0.62	4	3
2	S1014LJ020N	S1016LJ020N	6.00	0.75	0.31	1.00	2.46	3.06	4.75	0.75	4	5
2-1/2	S1014LJ024N	S1016LJ024N	7.00	0.88	0.31	1.12	2.97	3.56	5.50	0.75	4	7
3	S1014LJ030N	S1016LJ030N	7.50	0.94	0.38	1.19	3.60	4.25	6.00	0.75	4	8
4	S1014LJ040N	S1016LJ040N	9.00	0.94	0.44	1.31	4.60	5.31	7.50	0.75	8	13
5	S1014LJ050N	-	10.00	0.94	0.44	1.44	5.69	6.44	8.50	0.88	8	15
6	S1014LJ060N	S1016LJ060N	11.00	1.00	0.50	1.56	6.75	7.56	9.50	0.88	8	19



Socket Weld Flange



Weld Neck Flange

150# Schedule 40 – Socket Weld Raised Face Flange

Size	Part Number		A	B	C	D	E	F	G	H	Bolt Circle	Bolt Hole Diameter	Number of Bolt Holes	Weight
in	304/304L	316/316L	in	in	in	in	in	in	in	in	in	in		lb
1/2	S1014SW4004N	S1016SW4004N	3.50	0.44	1.38	0.88	0.62	0.38	1.19	0.62	2.38	0.62	4	1
3/4	S1014SW4006N	S1016SW4006N	3.88	0.50	1.69	1.09	0.62	0.44	1.50	0.82	2.75	0.62	4	2
1	S1014SW4010N	S1016SW4010N	4.25	0.56	2.00	1.36	0.69	0.50	1.94	1.05	3.12	0.62	4	2
1-1/4	S1014SW4012N	S1016SW4012N	4.62	0.62	2.50	1.70	0.81	0.56	2.31	1.38	3.50	0.62	4	3
1-1/2	S1014SW4014N	S1016SW4014N	5.00	0.69	2.88	1.95	0.88	0.62	2.56	1.61	3.88	0.62	4	3
2	S1014SW4020N	S1016SW4020N	6.00	0.75	3.62	2.44	1.00	0.69	3.06	2.07	4.75	0.75	4	5
2-1/2	S1014SW4024N	S1016SW4024N	7.00	0.88	4.12	2.94	1.12	0.75	3.56	2.47	5.50	0.75	4	7
3	S1014SW4030N	S1016SW4030N	7.50	0.94	5.00	3.57	1.19	0.81	4.25	3.07	6.00	0.75	4	8
4	S1014SW4040N	S1016SW4040N	9.00	0.94	6.19	4.60	1.31	0.94	5.31	4.03	7.50	0.75	8	13
5	S1014SW4050N	-	10.00	0.94	7.31	5.66	1.44	0.94	6.44	5.05	8.50	0.88	8	15
6	S1014SW4060N	S1016SW4060N	11.00	1.00	8.50	6.72	1.56	1.06	7.56	6.07	9.50	0.88	8	19

Raised Face 1/16”

150# Schedule 80 – Socket Weld Raised Face Flange

Size	Part Number		A	B	C	D	E	F	G	H	Bolt Circle	Bolt Hole Diameter	Number of Bolt Holes	Weight
in	304/304L	316/316L	in	in	in	in	in	in	in	in	in	in		lb
1/2	S1014SW8004N	S1016SW8004N	3.50	0.44	1.38	0.54	0.62	0.38	1.19	0.54	2.38	0.62	4	1
3/4	S1014SW8006N	S1016SW8006N	3.88	0.50	1.69	0.74	0.62	0.44	1.50	0.74	2.75	0.62	4	2
1	S1014SW8010N	S1016SW8010N	4.25	0.56	2.00	0.95	0.69	0.50	1.94	0.95	3.12	0.62	4	2
1-1/4	S1014SW8012N	S1016SW8012N	4.62	0.62	2.50	1.27	0.81	0.56	2.31	1.27	3.50	0.62	4	3
1-1/2	S1014SW8014N	S1016SW8014N	5.00	0.69	2.88	1.50	0.88	0.62	2.56	1.50	3.88	0.62	4	3
2	S1014SW8020N	S1016SW8020N	6.00	0.75	3.62	1.94	1.00	0.69	3.06	1.93	4.75	0.75	4	5

Raised Face 1/16”

150# Schedule 10 – Weld Neck Raised Face Flange

Size	Part Number		A	B	C	D	E	F	G	Bolt Circle	Bolt Hole Diameter	Number of Bolt Holes	Weight
in	304/304L	316/316L	in	in	in	in	in	in	in	in	in		lb
1/2	S1014WN1004N	S1016WN1004N	3.50	0.44	1.38	1.88	0.67	0.84	1.19	2.38	0.62	4	2
3/4	S1014WN1006N	S1016WN1006N	3.88	0.50	1.69	2.06	0.88	1.05	1.50	2.75	0.62	4	2
1	S1014WN1010N	S1016WN1010N	4.25	0.56	2.00	2.19	1.09	1.32	1.94	3.12	0.62	4	3
1-1/4	S1014WN1012N	S1016WN1012N	4.62	0.62	2.50	2.25	1.44	1.66	2.31	3.50	0.62	4	3
1-1/2	S1014WN1014N	S1016WN1014N	5.00	0.69	2.88	2.44	1.68	1.90	2.56	3.88	0.62	4	4
2	S1014WN1020N	S1016WN1020N	6.00	0.75	3.62	2.50	2.15	2.38	3.06	4.75	0.75	4	6
2-1/2	S1014WN1024N	S1016WN1024N	7.00	0.88	4.12	2.75	2.63	2.88	3.56	5.50	0.75	4	8
3	S1014WN1030N	S1016WN1030N	7.50	0.94	5.00	2.75	3.26	3.50	4.25	6.00	0.75	4	10
4	S1014WN1040N	S1016WN1040N	9.00	0.94	6.19	3.00	4.26	4.50	5.31	7.50	0.75	8	15
6	S1014WN1060N	S1016WN1060N	11.00	1.00	8.50	3.50	6.35	6.63	7.56	9.50	0.88	8	24

Raised Face 1/16”

150# Schedule 40 – Weld Neck Raised Face Flange

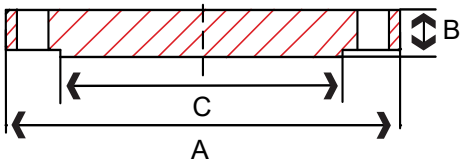
Size	Part Number		A	B	C	D	E	F	G	Bolt Circle	Bolt Hole Diameter	Number of Bolt Holes	Weight
in	304/304L	316/316L	in	in	in	in	in	in	in	in	in		lb
1/2	S1014WN4004N	S1016WN4004N	3.50	0.44	1.38	1.88	0.62	0.84	1.19	2.38	0.62	4	2
3/4	S1014WN4006N	S1016WN4006N	3.88	0.50	1.69	2.06	0.82	1.05	1.50	2.75	0.62	4	2
1	S1014WN4010N	S1016WN4010N	4.25	0.56	2.00	2.19	1.05	1.32	1.94	3.12	0.62	4	3
1-1/4	S1014WN4012N	S1016WN4012N	4.62	0.62	2.50	2.25	1.38	1.66	2.31	3.50	0.62	4	3
1-1/2	S1014WN4014N	S1016WN4014N	5.00	0.69	2.88	2.44	1.61	1.90	2.56	3.88	0.62	4	4
2	S1014WN4020N	S1016WN4020N	6.00	0.75	3.62	2.50	2.07	2.38	3.06	4.75	0.75	4	6
2-1/2	S1014WN4024N	S1016WN4024N	7.00	0.88	4.12	2.75	2.47	2.88	3.56	5.50	0.75	4	8
3	S1014WN4030N	S1016WN4030N	7.50	0.94	5.00	2.75	3.07	3.50	4.25	6.00	0.75	4	10
4	S1014WN4040N	S1016WN4040N	9.00	0.94	6.19	3.00	4.03	4.50	5.31	7.50	0.75	8	15
5	S1014WN4050N	S1016WN4050N	10.00	0.94	7.31	3.50	5.05	5.56	6.44	8.50	0.88	8	19
6	S1014WN4060N	S1016WN4060N	11.00	1.00	8.50	3.50	6.07	6.63	7.56	9.50	0.88	8	24

Raised Face 1/16”

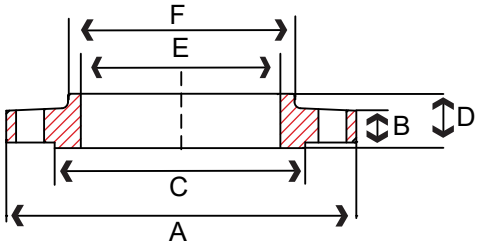
150# Schedule 80 – Weld Neck Raised Face Flange

Size	Part Number		A	B	C	D	E	F	G	Bolt Circle	Bolt Hole Diameter	Number of Bolt Holes	Weight
in	304/304L	316/316L	in	in	in	in	in	in	in	in	in		lb
1/2	S1014WN8004N	S1016WN8004N	3.50	0.44	1.38	1.88	0.54	0.84	1.19	2.38	0.62	4	2
3/4	S1014WN8006N	S1016WN8006N	3.88	0.50	1.69	2.06	0.74	1.05	1.50	2.75	0.62	4	2
1	S1014WN8010N	S1016WN8010N	4.25	0.56	2.00	2.19	0.95	1.32	1.94	3.12	0.62	4	3
1-1/4	S1014WN8012N	S1016WN8012N	4.62	0.62	2.50	2.25	1.27	1.66	2.31	3.50	0.62	4	3
1-1/2	S1014WN8014N	S1016WN8014N	5.00	0.69	2.88	2.44	1.50	1.90	2.56	3.88	0.62	4	4
2	S1014WN8020N	S1016WN8020N	6.00	0.75	3.62	2.50	1.93	2.38	3.06	4.75	0.75	4	6
2-1/2	S1014WN8024N	S1016WN8024N	7.00	0.88	4.12	2.75	2.32	2.88	3.56	5.50	0.75	4	8
3	S1014WN8030N	S1016WN8030N	7.50	0.94	5.00	2.75	2.90	3.50	4.25	6.00	0.75	4	10
4	S1014WN8040N	S1016WN8040N	9.00	0.94	6.19	3.00	3.82	4.50	5.31	7.50	0.75	8	15
6	S1014WN8060N	S1016WN8060N	11.00	1.00	8.50	3.50	5.76	6.63	7.56	9.50	0.88	8	24

Raised Face 1/16”



Blind Flange



Slip-On Flange

300# – Blind Face Flange

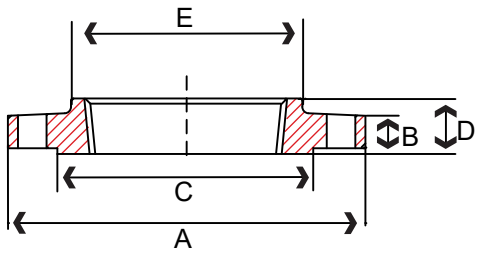
Size	Part Number		A	B	C	Bolt Circle	Bolt Hole Diameter	Number of Bolt Holes	Weight
in	304/304L	316/316L	in	in	in	in	in		lb
1/2	S1034BL004N	S1036BL004N	3.75	0.56	1.38	2.62	0.62	4	2
3/4	S1034BL006N	S1036BL006N	4.62	0.62	1.69	3.25	0.75	4	3
1	S1034BL010N	S1036BL010N	4.88	0.69	2.00	3.50	0.75	4	3
1-1/4	S1034BL012N	S1036BL012N	5.25	0.75	2.50	3.88	0.75	4	4
1-1/2	S1034BL014N	S1036BL014N	6.12	0.81	2.88	4.50	0.88	4	6
2	S1034BL020N	S1036BL020N	6.50	0.88	3.62	5.00	0.75	8	8
2-1/2	S1034BL024N	S1036BL024N	7.50	1.00	4.12	5.88	0.88	8	12
3	S1034BL030N	S1036BL030N	8.25	1.12	5.00	6.62	0.88	8	16
4	S1034BL040N	S1036BL040N	10.00	1.25	6.19	7.88	0.88	8	27
6	S1034BL060N	S1036BL060N	12.50	1.44	8.50	10.62	0.88	12	50

Raised Face 1/16”

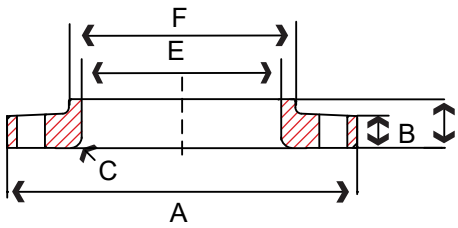
300# – Slip-On Raised Face Flange

Size	Part Number		A	B	C	D	E	F	Bolt Circle	Bolt Hole Diameter	Number of Bolt Holes	Weight
in	304/304L	316/316L	in	in	in	in	in	in	in	in		lb
1/2	S1034SO004N	S1036SO004N	3.75	0.56	1.38	0.88	0.88	1.50	2.62	0.62	4	2
3/4	S1034SO006N	S1036SO006N	4.62	0.62	1.69	1.00	1.09	1.88	3.25	0.75	4	3
1	S1034SO010N	S1036SO010N	4.88	0.69	2.00	1.06	1.36	2.12	3.50	0.75	4	3
1-1/4	S1034SO012N	S1036SO012N	5.25	0.75	2.50	1.06	1.70	2.50	3.88	0.75	4	4
1-1/2	S1034SO014N	S1036SO014N	6.12	0.81	2.88	1.19	1.95	2.75	4.50	0.88	4	6
2	S1034SO020N	S1036SO020N	6.50	0.88	3.62	1.31	2.44	3.31	5.00	0.75	8	7
2-1/2	S1034SO024N	S1036SO024N	7.50	1.00	4.12	1.50	2.94	3.94	5.88	0.88	8	10
3	S1034SO030N	S1036SO030N	8.25	1.12	5.00	1.69	3.57	4.62	6.62	0.88	8	13
4	S1034SO040N	S1036SO040N	10.00	1.25	6.19	1.88	4.60	5.75	7.88	0.88	8	22

Raised Face 1/16”



Threaded Flange



Lap Joint Flange

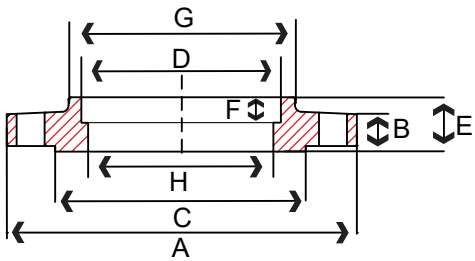
300# – Threaded Raised Face Flange Flange

Size	Part Number		A	B	C	D	E	Bolt Circle	Bolt Hole Diameter	Number of Bolt Holes	Weight
in	304/304L	316/316L	in	in	in	in	in	in	in		lb
1/2	S1034TH004N	S1036TH004N	3.75	0.56	1.38	0.88	1.50	2.62	0.62	4	2
3/4	S1034TH006N	S1036TH006N	4.62	0.62	1.69	1.00	1.88	3.25	0.75	4	3
1	S1034TH010N	S1036TH010N	4.88	0.69	2.00	1.06	2.12	3.50	0.75	4	3
1-1/4	S1034TH012N	S1036TH012N	5.25	0.75	2.50	1.06	2.50	3.88	0.75	4	4
1-1/2	S1034TH014N	S1036TH014N	6.12	0.81	2.88	1.19	2.75	4.50	0.88	4	6
2	S1034TH020N	S1036TH020N	6.50	0.88	3.62	1.31	3.31	5.00	0.75	8	7
2-1/2	S1034TH024N	S1036TH024N	7.50	1.00	4.12	1.50	3.94	5.88	0.88	8	10
3	S1034TH030N	S1036TH030N	8.25	1.12	5.00	1.69	4.62	6.62	0.88	8	13
4	S1034TH040N	S1036TH040N	10.00	1.25	6.19	1.88	5.75	7.88	0.88	8	22

Raised Face 1/16”

300# – Lap Joint Flange

Size	Part Number	A	B	C	D	E	F	Bolt Circle	Bolt Hole Diameter	Number of Bolt Holes	Weight
in	316/316L	in	in	in	in	in	in	in	in		lb
1/2	S1036LJ004N	3.75	0.56	0.12	0.88	0.90	1.50	2.62	0.62	4	2
3/4	S1036LJ006N	4.62	0.62	0.12	1.00	1.11	1.88	3.25	0.75	4	3
1	S1036LJ010N	4.88	0.69	0.12	1.06	1.38	2.12	3.50	0.75	4	3
1-1/4	S1036LJ012N	5.25	0.75	0.19	1.06	1.72	2.50	3.88	0.75	4	4
1-1/2	S1036LJ014N	6.12	0.81	0.25	1.19	1.97	2.75	4.50	0.88	4	6
2	S1036LJ020N	6.50	0.88	0.31	1.31	2.46	3.31	5.00	0.75	8	7
3	S1036LJ030N	8.25	1.12	0.38	1.69	3.60	4.62	6.62	0.88	8	13
4	S1036LJ040N	10.00	1.25	0.44	1.88	4.60	5.75	7.88	0.88	8	22



Socket Weld Flange

300# Schedule 40 – Socket Weld Raised Face Flange

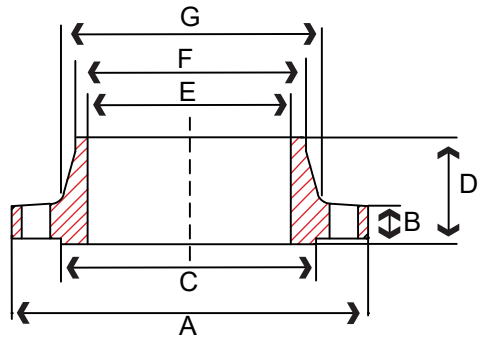
Size	Part Number		A	B	C	D	E	F	G	H	Bolt Circle	Bolt Hole Diameter	Number of Bolt Holes	Weight
in	304/304L	316/316L	in	in	in	in	in	in	in	in	in	in		lb
1/2	S1034SW4004N	S1036SW4004N	3.75	0.56	1.38	0.88	0.88	0.38	1.50	0.62	2.62	0.62	4	2
3/4	S1034SW4006N	S1036SW4006N	4.62	0.62	1.69	1.09	1.00	0.44	1.88	0.82	3.25	0.75	4	3
1	S1034SW4010N	S1036SW4010N	4.88	0.69	2.00	1.36	1.06	0.50	2.12	1.05	3.50	0.75	4	3
1-1/4	S1034SW4012N	S1036SW4012N	5.25	0.75	2.50	1.70	1.06	0.56	2.50	1.38	3.88	0.75	4	4
1-1/2	S1034SW4014N	S1036SW4014N	6.12	0.81	2.88	1.95	1.19	0.62	2.75	1.61	4.50	0.88	4	6
2	S1034SW4020N	S1036SW4020N	6.50	0.88	3.62	2.44	1.31	0.69	3.31	2.07	5.00	0.75	8	7
2-1/2	S1034SW4024N	S1036SW4024N	7.50	1.00	4.12	2.94	1.50	0.75	3.94	2.47	5.88	0.88	8	10
3	S1034SW4030N	S1036SW4030N	8.25	1.12	5.00	3.57	1.69	0.81	4.62	3.07	6.62	0.88	8	13
4	S1034SW4040N	S1036SW4040N	10.00	1.25	6.19	4.57	1.88	0.93	5.75	4.03	7.88	0.88	8	22

Raised Face 1/16”

300# Schedule 80 – Socket Weld Raised Face Flange

Size	Part Number		A	B	C	D	E	F	G	H	Bolt Circle	Bolt Hole Diameter	Number of Bolt Holes	Weight
in	304/304L	316/316L	in	in	in	in	in	in	in	in	in	in		lb
1/2	S1034SW8004N	S1036SW8004N	3.75	0.56	1.38	0.88	0.88	0.38	1.50	0.54	2.62	0.62	4	2
3/4	S1034SW8006N	S1036SW8006N	4.62	0.62	1.69	1.09	1.00	0.44	1.88	0.74	3.25	0.75	4	3
1	S1034SW8010N	S1036SW8010N	4.88	0.69	2.00	1.36	1.06	0.50	2.12	0.95	3.50	0.75	4	3
1-1/4	S1034SW8012N	S1036SW8012N	5.25	0.75	2.50	1.70	1.06	0.56	2.50	1.27	3.88	0.75	4	4
1-1/2	S1034SW8014N	S1036SW8014N	6.12	0.81	2.88	1.95	1.19	0.62	2.75	1.50	4.50	0.88	4	6
2	S1034SW8020N	S1036SW8020N	6.50	0.88	3.62	2.44	1.31	0.69	3.31	1.93	5.00	0.75	8	7
2-1/2	S1034SW8024N	S1036SW8024N	7.50	1.00	4.12	2.94	1.50	0.75	3.94	2.32	5.88	0.88	8	10
3	S1034SW8030N	S1036SW8030N	8.25	1.12	5.00	3.57	1.69	0.81	4.62	2.90	6.62	0.88	8	13
4	S1034SW8040N	S1036SW8040N	10.00	1.25	6.19	4.57	1.88	0.93	5.75	3.82	7.88	0.88	8	22

Raised Face 1/16”



Weld Neck Flange

300# Schedule 40 – Weld Neck Raised Face Flange

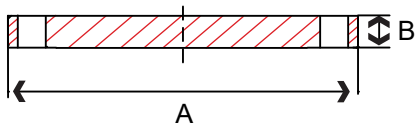
Size	Part Number		A	B	C	D	E	F	G	Bolt Circle	Bolt Hole Diameter	Number of Bolt Holes	Weight
in	304/304L	316/316L	in	in	in	in	in	in	in	in	in		lb
1/2	S1034WN4004N	S1036WN4004N	3.75	0.56	1.38	2.06	0.62	0.84	1.50	2.38	0.62	4	2
3/4	S1034WN4006N	S1036WN4006N	4.62	0.62	1.69	2.25	0.82	1.05	1.88	2.75	0.62	4	3
1	S1034WN4010N	S1036WN4010N	4.88	0.69	2.00	2.44	1.05	1.32	2.12	3.12	0.62	4	4
1-1/4	S1034WN4012N	S1036WN4012N	5.25	0.75	2.50	2.56	1.38	1.66	2.50	3.50	0.62	4	5
1-1/2	S1034WN4014N	S1036WN4014N	6.12	0.81	2.88	2.69	1.61	1.90	2.75	3.88	0.62	4	7
2	S1034WN4020N	S1036WN4020N	6.50	0.88	3.62	2.75	2.07	2.38	3.31	4.75	0.75	8	9
2-1/2	S1034WN4024N	S1036WN4024N	7.50	1.00	4.12	3.00	2.47	2.88	3.94	5.50	0.75	8	12
3	S1034WN4030N	S1036WN4030N	8.25	1.12	5.00	3.12	3.07	3.50	4.62	6.00	0.75	8	15
4	S1034WN4040N	S1036WN4040N	10.00	1.25	6.19	3.38	4.03	4.50	5.75	7.50	0.75	8	25
6	S1034WN4060N	S1036WN4060N	12.50	1.44	8.50	3.88	6.07	6.63	8.12	9.50	0.88	12	42

Raised Face 1/16”

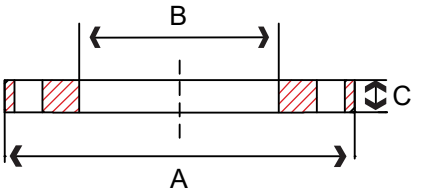
300# Schedule 80 – Weld Neck Raised Face Flange

Size	Part Number		A	B	C	D	E	F	G	Bolt Circle	Bolt Hole Diameter	Number of Bolt Holes	Weight
in	304/304L	316/316L	in	in	in	in	in	in	in	in	in		lb
1/2	S1034WN8004N	S1036WN8004N	3.75	0.56	1.38	2.06	0.54	0.84	1.50	2.38	0.62	4	2
3/4	S1034WN8006N	S1036WN8006N	4.62	0.62	1.69	2.25	0.74	1.05	1.88	2.75	0.62	4	3
1	S1034WN8010N	S1036WN8010N	4.88	0.69	2.00	2.44	0.95	1.32	2.12	3.12	0.62	4	4
1-1/4	S1034WN8012N	S1036WN8012N	5.25	0.75	2.50	2.56	1.27	1.66	2.50	3.50	0.62	4	5
1-1/2	S1034WN8014N	S1036WN8014N	6.12	0.81	2.88	2.69	1.50	1.90	2.75	3.88	0.62	4	7
2	S1034WN8020N	S1036WN8020N	6.50	0.88	3.62	2.75	1.93	2.38	3.31	4.75	0.75	8	9

Raised Face 1/16”



Blind Plate Flange



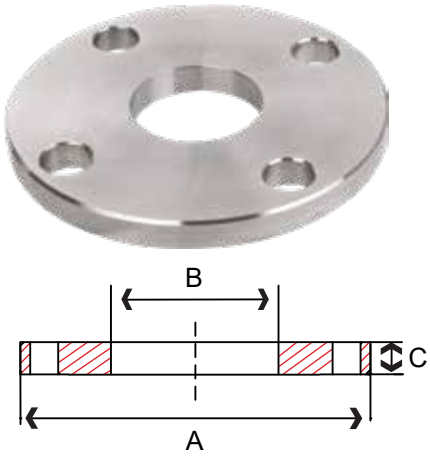
Slip-On IPS Plate Flange

Blind Plate Flanges

Size	Part Numbers		A Outside Diameter	B Thickness	Number of Bolt Holes	Bolt Hole Diameter	Bolt Circle	Weight
in	304	316	in	in		in	in	lb
1	S1414BLP010	S1416BLP010	4.25	0.500	4	0.625	3.12	1.9
1-1/2	S1414BLP014	S1416BLP014	5.00	0.500	4	0.625	3.88	2.7
2	S1414BLP020	S1416BLP020	6.00	0.500	4	0.750	4.75	3.9
2-1/2	S1414BLP024	S1416BLP024	7.00	0.500	4	0.750	5.50	5.5
3	S1414BLP030	S1416BLP030	7.50	0.500	4	0.750	6.00	6.3
4	S1414BLP040	S1416BLP040	9.00	0.500	8	0.750	7.50	9.0
6	S1414BLP060	S1416BLP060	11.00	0.500	8	0.880	9.50	13.5

Slip-On IPS Plate Flanges

Size	Part Numbers		A Outside Diameter	B Inside Diameter	C Thickness	Number of Bolt Holes	Bolt Hole Diameter	Bolt Circle	Weight
in	304	316	in	in	in		in	in	lb
1	S1414SOP010	S1416SOP010	4.25	1.36	0.500	4	0.625	3.12	1.7
1-1/2	S1414SOP014	S1416SOP014	5.00	1.95	0.500	4	0.625	3.88	2.3
2	S1414SOP020	S1416SOP020	6.00	2.44	0.500	4	0.75	4.75	3.2
2-1/2	S1414SOP024	S1416SOP024	7.00	2.94	0.500	4	0.75	5.50	4.5
3	S1414SOP030	S1416SOP030	7.50	3.57	0.500	4	0.75	6.00	4.8
4	S1414SOP040	S1416SOP040	9.00	4.57	0.500	8	0.75	7.50	6.5
5	S1414SOP050	S1416SOP050	10.00	5.66	0.500	8	0.88	8.50	7.3
6	S1414SOP060	S1416SOP060	11.00	6.72	0.500	8	0.88	9.50	8.2



Tube Plate Flange

Tube Plate Flanges

Size	**Part Numbers**		**A** Outside Diameter	**B** Inside Diameter	**C** Thickness	**Number of Bolt Holes**	**Bolt Hole Diameter**	**Bolt Circle**	**Weight**
in	304	316	in	in	in		in	in	lb
1	S1414SOTP010	S1416SOTP010	4.25	1.063	0.500	4	0.625	3.12	1.7
1-1/2	S1414SOTP014	S1416SOTP014	5.00	1.563	0.500	4	0.625	3.88	2.3
2	S1414SOTP020	S1416SOTP020	6.00	2.063	0.500	4	0.750	4.75	3.2
2-1/2	S1414SOTP024	S1416SOTP024	7.00	2.563	0.500	4	0.750	5.50	4.5
3	S1414SOTP030	S1416SOTP030	7.50	3.063	0.500	4	0.750	6.00	4.8
4	S1414SOTP040	S1416SOTP040	9.00	4.063	0.500	8	0.750	7.50	6.5
6	S1414SOTP060	S1416SOTP060	11.00	6.063	0.500	8	0.875	9.50	8.2

Specialty Products

Compression Adapter, Repair Coupling, PVC Unions, PTFE Tape, Compression Couplings & Dielectric Unions

Specialty Products

Compression Adapter, Repair Coupling, PVC Unions, PTFE Tape, Compression Couplings & Dielectric Unions

Specialty Products

- Teflon Tape meets ASTM Mil Spec T-27730A
- PTFE Tape with Nickel meets ASTM Mil Spec T-27730A
- Transition Adapters Certified to NSF/ANSI 61.9
- PVC Compression Adapter Certified to NSF/ANSI 14 / Annex G Lead-Free
- Compression Fittings for Both IPS Pipe and CTS Copper Tubing
- Dielectric Unions Available in Both Standard and Lead Free Configurations

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Series 64
PVC Compression Adapter

- Max 150 psi @ 73°F
- Certified to NSF/ANSI 14 Annex G
- Lead Free

Size in	Part Number	Packing		Weight lb
	Comp x MIP	Inner	Master	
1/2	02946400	30	120	0.2
3/4	02946412	24	96	0.2
1	02946414	32	64	0.3
1-1/4	02946416	-	45	0.4
1-1/2	02946418	-	36	0.5
2	02946420	-	24	0.6

Series 52
PVC Expandable Repair Coupling

- Max 150 psi @ 73°F
- Meets ASTM D1784 & D2466
- For cold water use only
- Certified to NSF/ANSI 14Annex G
- Lead Free

Size in	Part Number	Packing		Weight lb
	Fem Slip x Male Slip	Inner	Master	
1/2	02945200	28	56	0.3
3/4	02945212	16	32	0.4
1	02945214	12	24	0.8
1-1/4	02945216	-	18	1.1
1-1/2	02945218	-	24	1.3
2	02945220	-	9	1.8
2-1/2	02945225	-	10	2.7
3	02945230	-	6	4.0
4	02945240	-	3	6.1

Series 8121 & 8122
PVC Union

- Max. 100 psi @ 180°F
- Schedule 80 PVC
- Certified to NSF/ANSI 14 Annex G
- Lead Free

Size in	Part Number		Packing		Weight lb
	FIP x FIP	Slip x Slip	Inner	Master	
1/2	02938121G	02938122G	48	96	0.2
3/4	02938121I	02938122I	27	54	0.3
1	02938121K	02938122K	18	36	0.4
1-1/4	02938121L	02938122L	-	36	0.5
1-1/2	02938121M	02938122M	-	20	0.7
2	02938121N	02938122N	-	16	0.9

Series 8141 & 8142
PVC Union

- Max. 100 psi @ 180°F
- Schedule 80 PVC
- Certified to NSF/ANSI 14 Annex G
- Lead Free

Size in	Part Number		Packing		Weight lb
	FIP x FIP	Slip x Slip	Inner	Master	
1/2	02938141G	02938142G	48	96	0.2
3/4	02938141I	02938142I	27	54	0.2
1	02938141K	02938142K	18	36	0.3
1-1/4	02938141L	02938142L	-	36	0.4
1-1/2	02938141M	02938142M	-	20	0.6
2	02938141N	02938142N	-	16	0.8

Series 0383
PTFE Tape (Virgin)

- Melting point 620˚F (327˚C)
- Thickness .0035 (±.0005)
- ISO 9001:2008 manufacturer
- ASTM Mil Spec T-27730A

Size in	Part Number	Length in	Packing		Weight lb
			Inner	Master	
1/2	0383260G	260	200	1200	0.1
3/4	0383260I	260	150	600	0.1
1/2	0383520G	520	200	1200	0.1
3/4	0383520I	520	150	600	0.1
1	0383260K	260	150	600	0.1

Series 0384
PTFE Tape with Nickel

- Use on Stainless Steel Threads
- 90% PTFE / 10% Nickel
- Melting Point 620˚F (327˚C)
- Thickness .0045 (±.0005)
- ISO 9001:2008 Manufacturer
- ASTM Mill Spec T-27730A

Size in	Part Number	Length in	Packing		Weight lb
			Inner	Mas-ter	
1/2	0384260G	260	100	600	0.02
3/4	0384260I	260	50	300	0.04

Series 63
PVC Compression Tee

- Max 150 psi @ 73°F
- Certified to NSF/ANSI 14 Annex G
- Lead Free

Size in	Part Number	Packing		Weight lb
	Comp x Comp x FIP	Inner	Master	
1/2	02946300	25	50	0.3
3/4	02946312	16	32	0.4
1	02946314	12	24	0.6
1-1/4	02946316	-	18	0.8
1-1/2	02946318	-	14	1.0
2	02946320	-	18	1.3
3/4 x 1/2	02946390	16	32	0.4

Series 62
PVC Compression Coupling

- Max 150 psi @ 73°F
- Iron pipe sizes
- Certified to NSF/ANSI 14 Annex G
- Lead Free

Size in	Part Number	Packing		Weight lb
	Comp x Comp	Inner	Master	
1/2	02946200	15	30	0.3
3/4	02946212	20	40	0.4
1	02946214	16	32	0.5
1-1/4	02946216	-	20	0.8
1-1/2	02946218	-	16	0.9
2	02946220	-	18	1.3
2-1/2	02946225	-	6	2.3
3	02946230	-	8	3.7
4	02946240	-	3	5.3

Series 0383-Yellow
PTFE Tape (Virgin)

- Melting point 620˚F (327˚C)
- Thickness .0035 (±.0005)
- ISO 9001:2008 manufacturer
- ASTM Mil Spec T-27730A
- Manufactured especially for natural gas, propane, butane, water, oil and chemical lines

Size in	Part Number	Length in	Packing		Weight lb
			Inner	Master	
1/2	0383260GY	260	100	600	0.1

Series 63
PVC Slip Compression Tee

- Max 150 psi @ 73°F
- Iron pipe sizes
- Certified to NSF/ANSI 14 Annex G
- Lead Free

Size in	Part Number	Packing		Weight lb
	Comp x Comp x Slip	Inner	Master	
1/2	02946350	25	50	0.2
3/4	02946362	16	32	0.2
1	02946364	12	24	0.3
1-1/4	02946366	-	18	0.4
1-1/2	02946368	-	14	0.6
2	02946370	-	18	0.8

Series 82
Galvanized Compression Coupling

- Max. 125 psi @ 210°F
- Seamless body and nut
- Long pattern
- Zinc plated surface finish

Size in	Part Number	Packing		Weight lb
	Comp x Comp	Inner	Master	
1/2	02948200	12	72	1.0
3/4	02948212	12	48	1.2
1	02948214	12	48	1.6
1-1/4	02948216	6	36	2.0
1-1/2	02948218	6	24	2.4
2	02948220	6	18	3.6

Series 32
CPVC Compression Coupling, CTS

- Max. 100 psi @ 180°F
- Copper Tube Sizes
- Certified to NSF/ANSI 14 Annex G
- Lead Free

Size in	Part Number	Packing		Weight lb
	Comp x Comp	Inner	Master	
1/2	02943200G	24	96	0.2
3/4	02943200I	15	30	0.3

SPECIALTIES

Series 209FX
Female IPS x Brass Sweat Dielectric Union

- Forged steel construction
- Zinc plated
- Self-centering washer
- 2-1/2" - 4" are flange style
- Max temperature 212°F (100°C)
- 250psi CWP

Size in	Part Number	Packing		Weight lb
	FIP x SWT	Inner	Master	
2-1/2	0209FXP	1	5	13.2
3	0209FXQ	1	5	15.6
4	0209FXT	1	2	29.8

Series 161 & 162
Transition Adapter

- Brass to CPVC
- Certified to NSF/ANSI 61.9

Size in	Part Number		Packing		Weight lb
	MIP x Slip	FIP x Slip	Inner	Master	
1/2	0945161G	0945162G	50	300	0.2
3/4	0945161I	0945162I	50	300	0.2

SPECIALTIES

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Should any failure to conform to this warranty be discovered within the Warranty Period (defined below) and written notice of such nonconformity is provided to Supplier promptly after such discovery and within the Warranty Period, upon return of the defective product to Supplier in accordance with the Supplier's instructions and the reasonable determination by Supplier that the product (a) does not conform to the warranty and (b) has been stored, installed, used, maintained and operated in accordance with recognized engineering and piping practices, industry standards and the installation and operating manuals supplied by Supplier, Supplier will correct such defects by suitable repair or replacement of the product at Supplier's own expense or refund the portion of the price applicable to the nonconforming portion of the product (which alternative shall be at the sole discretion of Supplier). If any portion of the product so repaired or replaced fails to conform to the foregoing warranty, and written notice of such nonconformity is provided to Supplier promptly after discovery and within the original Warranty Period applicable to such product or 30 days from completion of such repair or replacement, whichever is later, Supplier will repair or replace such nonconforming product. The original Warranty Period shall not otherwise be extended.

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