

SCO O-Ring Face Seal Fittings

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We support the innovations of customers



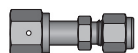
05

Union Gland



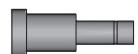
182

S-LOK Tube Connector Gland



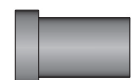
182

Tube Adapter Gland



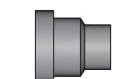
182

Tube Socket Weld Gland



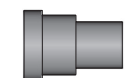
183

Tube Socket Weld Reducing Gland



183

Male Tube Weld Gland



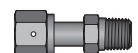
183

Automatic Tube Weld Gland



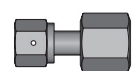
183

Male Connector Gland



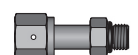
184

Female Connector Gland



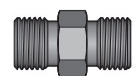
184

Male SAE/MS Connector Gland



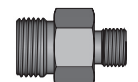
184

Union Body



184

Reducing Union Body



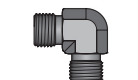
185

Bulkhead Union Body



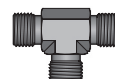
185

Elbow Body



185

Tee Body



185

Blind



186

S-LOK Tube Fitting Connector Body



186

S-LOK Tube Fitting Bulkhead Connector Body



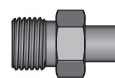
186

S-LOK Tube Fitting Elbow Body



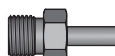
187

Tube Socket Weld Body



187

Automatic Tube Weld Body



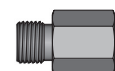
187

Male Connector Body



188

Female Connector Body



188

Male SAE/MS Connector Body



188

Male Elbow Body



189

Male SAE/MS Positionable Elbow Body



189

Female Nut



189

Blind Nut



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Features

- Designed for quick assembly in pipe, tube and welded systems.
- Easy installation and disassembly
- Leak-tight from vacuum to positive pressure
- Wide range of temperature up to 550°F
- Smooth finish on gland face
- Nuts with two test ports
- Silver plated nut thread

Technical Data

Pressure Ratings

- Pressure ratings comply with calculations in accordance with ASME B31.3 and ASME B31.1.

Temperature Ratings

- Temperature ratings are determined by the O-ring materials.
- Fluorocarbon FKM O-ring is standard.
- Other o-ring materials are available upon request.
- Refer to the table below for the temperature range for o-ring materials.

O-Ring Material	Temperature Rating °F (°C)
Fluorocarbon FKM	400 (204)
Buna N	250 (121)
Perfluoroelastomer	550 (287)
Ethylene propylene	300 (148)
PTFE	450 (232)

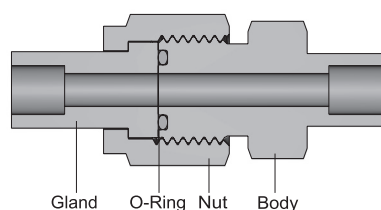
Standard Materials of Construction

Component	Material
Bodies	316 Stainless Steel
Glands	316 Stainless Steel
Nuts	316 Stainless Steel
Automatic tube weld fittings	316L Stainless Steel
O-ring for SCO bodies	Fluorocarbon FKM (70 durometer)
O-ring for SAE/MS threads	Fluorocarbon FKM (90 durometer)

Helium Leak Testing

- Maximum leak rate : 4×10^{-9} std cm³/s

Typical Assembly



O-Ring Uniform Size Number

Fluorocarbon FKM O-ring (Hardness Shore A 70) is standard on SCO bodies.

SCO Size inch	O-Ring Uniform Size Number
1/4 (& 1/8)	010
1/2 (& 3/8)	111
3/4	116
1	215

Fluorocarbon FKM O-ring (Hardness Shore A 90) is standard on SAE/MS threads.

SAE/MS Thread Size	O-Ring Uniform Size Number
7/16 – 20	904
9/16 – 18	906
3/4 – 16	908
1-1/16 – 12	912
1-5/16 – 12	916

Ordering Information and Dimension

SCO	-	BU	-	8	-	8T	-	NBR	-	S6
SCO Fitting		Product Type		SCO Size		Tube Size		O-Ring Material		Body Material

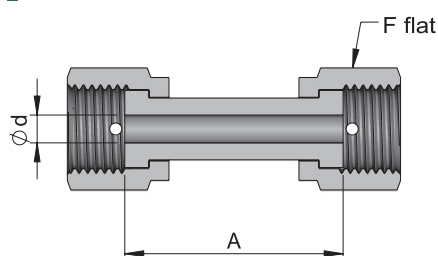
O-Ring Material

- Nil : Fluorocarbon FKM
- NBR : Buna N
- KA : Perfluoroelastomer
- EP : Ethylene propylene
- TE : PTFE

Body Material

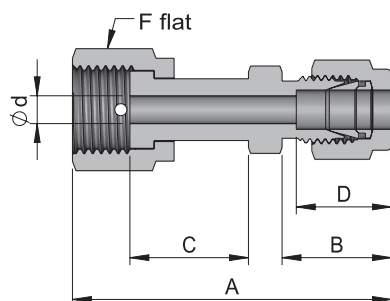
- S6 : SS316
- S6L : SS316L

Union Gland



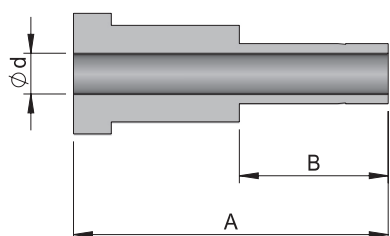
Basic Ordering Number	SCO Size	Dimensions, inch (mm)			Pressure Rating psig (bar)
		d	A	F	
SCO-GU-4	1/4"	0.18 (4.6)	1.42 (36.1)	11/16 (17.46)	10200 (702)
SCO-GU-8	1/2"	0.40 (10.2)	1.61 (40.9)	1 (25.4)	5800 (399)

S-LOK Tube Connector Gland



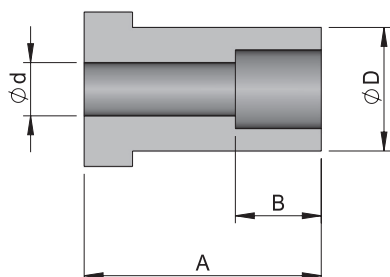
Basic Ordering Number	SCO Size	Tube O.D	Dimensions, inch (mm)						Pressure Rating psig (bar)
			d	A	B	C	D	F	
SCO-GSC-4-4T	1/4"	1/4"	0.18 (4.6)	1.74 (44.2)	0.70 (17.8)	0.77 (19.6)	0.60 (15.2)	11/16 (17.46)	10200 (702)
SCO-GSC-8-6T	1/2"	3/8"	0.28 (7.1)	1.87 (47.5)	0.76 (19.3)	0.81 (20.6)	0.66 (16.8)	1 (25.4)	5800 (399)
SCO-GSC-8-8T	1/2"	1/2"	0.40 (10.2)	2.01 (51.1)	0.87 (22.1)	0.81 (20.6)	0.90 (22.9)	1 (25.4)	5800 (399)
SCO-GSC-12-12T	3/4"	3/4"	0.62 (15.7)	2.14 (54.4)	0.87 (22.1)	0.94 (23.9)	0.96 (24.4)	1-1/2 (38.1)	4000 (275)
SCO-GSC-16-16T	1"	1"	0.87 (22.1)	2.45 (62.2)	1.04 (26.4)	0.98 (24.9)	1.23 (31.2)	1-3/4 (44.45)	3000 (206)

Tube Adapter Gland



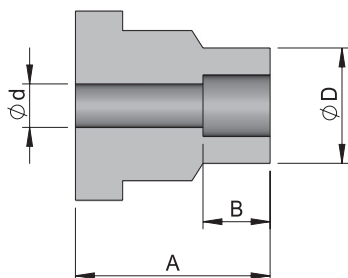
Basic Ordering Number	SCO Size	Tube O.D	Dimensions, inch (mm)			Pressure Rating psig (bar)
			d	A	B	
SCO-GA-4-4T	1/4"	1/4"	0.18 (4.6)	1.31 (33.3)	0.64 (16.3)	10200 (702)
SCO-GA-8-6T	1/2"	3/8"	0.27 (6.8)	1.38 (35.1)	0.70 (17.8)	6500 (447)
SCO-GA-8-8T	1/2"	1/2"	0.37 (9.3)	1.62 (41.1)	0.96 (24.4)	6700 (461)
SCO-GA-12-12T	3/4"	3/4"	0.58 (14.7)	1.80 (45.7)	1.02 (25.9)	5800 (399)
SCO-GA-16-16T	1"	1"	0.80 (20.3)	2.05 (52.1)	1.30 (33.0)	4700 (323)

Tube Socket Weld Gland



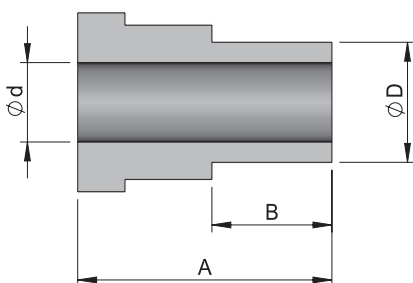
Basic Ordering Number	SCO Size	Tube O.D	Dimensions, inch (mm)				Pressure Rating psig (bar)
			d	A	B	D	
SCO-GSWC-2-2T	1/8"	1/8"	0.09 (2.3)	0.77 (19.6)	0.10 (2.5)	0.38 (9.7)	15400 (1061)
SCO-GSWC-4-4T	1/4"	1/4"	0.18 (4.6)	0.77 (19.6)	0.28 (7.1)	0.38 (9.7)	6800 (468)
SCO-GSWC-6-6T	3/8"	3/8"	0.28 (7.1)	0.81 (20.6)	0.31 (7.9)	0.60 (15.2)	8100 (558)
SCO-GSWC-8-8T	1/2"	1/2"	0.40 (10.2)	0.81 (20.6)	0.38 (9.7)	0.60 (15.2)	3000 (206)
SCO-GSWC-12-12T	3/4"	3/4"	0.62 (15.7)	0.94 (23.9)	0.44 (11.2)	0.92 (23.4)	3700 (255)
SCO-GSWC-16-16T	1"	1"	0.87 (22.1)	0.98 (24.9)	0.62 (15.7)	1.19 (30.2)	3000 (206)

Tube Socket Weld Reducing Gland



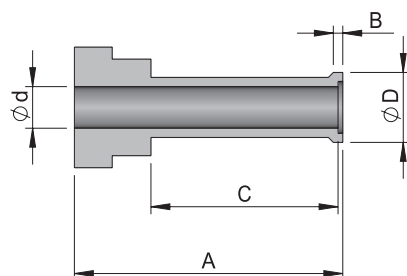
Basic Ordering Number	SCO Size	Tube O.D	Dimensions, inch (mm)				Pressure Rating psig (bar)
			d	A	B	D	
SCO-GSWR-4-2T	1/4"	1/8"	0.09 (2.3)	0.77 (19.6)	0.10 (2.5)	0.29 (7.4)	12600 (868)
SCO-GSWR-8-4T	1/2"	1/4"	0.18 (4.6)	0.81 (20.6)	0.28 (7.1)	0.48 (12.2)	10700 (737)

Male Tube Weld Gland



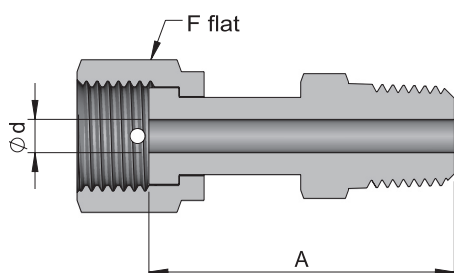
Basic Ordering Number	SCO Size	Tube O.D	Dimensions, inch (mm)				Pressure Rating psig (bar)
			d	A	B	D	
SCO-GWC-4-2T	1/4"	1/8"	0.06 (1.5)	0.77 (19.6)	0.28 (7.1)	0.38 (9.7)	11200 (771)
SCO-GWC-4-4T	1/4"	1/4"	0.12 (3.0)	1.12 (28.4)	0.41 (10.4)	0.38 (9.7)	11200 (771)
SCO-GWC-8-4T	1/2"	1/4"	0.12 (3.0)	0.91 (23.1)	0.41 (10.4)	0.60 (15.2)	11200 (771)
SCO-GWC-8-6T	1/2"	3/8"	0.23 (5.8)	0.84 (21.3)	0.41 (10.4)	0.60 (15.2)	8200 (564)
SCO-GWC-8-8T	1/2"	1/2"	0.33 (8.4)	1.06 (26.9)	0.50 (12.7)	0.60 (15.2)	7500 (516)

Automatic Tube Weld Gland



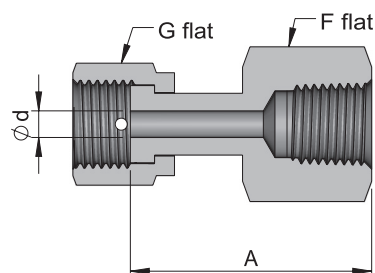
Basic Ordering Number	SCO Size	Tube O.D	Dimensions, inch (mm)					Pressure Rating psig (bar)
			d	A	B	C	D	
SCO-GWAC-4-4T	1/4"	1/4"	0.18 (4.6)	1.12 (28.4)	0.02 (0.51)	0.78 (19.8)	0.29 (7.4)	5100 (351)
SCO-GWAC-8-6T	1/2"	3/8"	0.31 (7.9)	1.13 (28.7)	0.03 (0.76)	0.79 (20.0)	0.41 (10.4)	3300 (227)
SCO-GWAC-8-8T	1/2"	1/2"	0.40 (10.2)	1.14 (29.0)	0.04 (1.0)	0.80 (20.3)	0.55 (14.0)	3500 (241)
SCO-GWAC-12-12T	3/4"	3/4"	0.65 (16.5)	1.20 (30.5)	0.04 (1.0)	0.80 (20.3)	0.80 (20.3)	2200 (151)
SCO-GWAC-16-16T	1"	1"	0.87 (22.1)	1.41 (35.8)	0.04 (1.0)	1.00 (25.4)	1.06 (26.9)	2200 (151)

Male Connector Gland



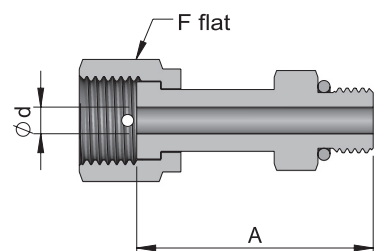
Basic Ordering Number	SCO Size	NPT Size	Dimensions, inch (mm)			Pressure Rating psig (bar)
			d	A	F	
SCO-GMC-4-4N	1/4"	1/4"	0.18 (4.6)	1.59 (40.4)	11/16 (17.46)	9800 (675)
SCO-GMC-8-6N	1/2"	3/8"	0.40 (10.2)	1.67 (42.4)	1 (25.4)	5600 (385)
SCO-GMC-8-8N	1/2"	1/2"	0.40 (10.2)	1.87 (47.5)	1 (25.4)	5600 (385)
SCO-GMC-12-12N	3/4"	3/4"	0.62 (15.7)	2.03 (51.6)	1-1/2 (38.10)	3900 (268)
SCO-GMC-16-16N	1"	1"	0.87 (22.1)	2.36 (59.9)	1-3/4 (44.45)	2900 (199)

Female Connector Gland



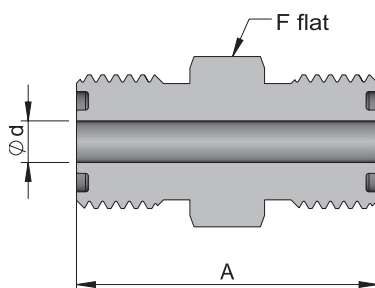
Basic Ordering Number	SCO Size	NPT Size	Dimensions, inch (mm)				Pressure Rating psig (bar)
			d	A	F	G	
SCO-GFC-4-4N	1/4"	1/4"	0.18 (4.6)	1.57 (39.9)	3/4 (19.05)	11/16 (17.46)	6600 (454)
SCO-GFC-8-6N	1/2"	3/8"	0.40 (10.2)	1.73 (43.9)	7/8 (22.22)	1 (25.4)	5300 (365)
SCO-GFC-8-8N	1/2"	1/2"	0.40 (10.2)	1.96 (49.8)	1-1/16 (26.98)	1 (25.4)	4900 (337)
SCO-GFC-12-12N	3/4"	3/4"	0.62 (15.7)	2.12 (53.8)	1-5/16 (33.33)	1-1/2 (38.10)	4000 (275)
SCO-GFC-16-16N	1"	1"	0.87 (22.1)	2.29 (58.2)	1-5/8 (41.27)	1-3/4 (44.45)	3000 (206)

Male SAE/MS Connector Gland



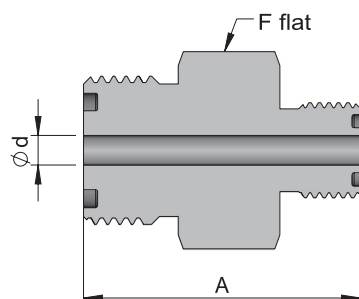
Basic Ordering Number	SCO Size	Straight Thread Size	Dimensions, inch (mm)			Pressure Rating psig (bar)
			d	A	F	
SCO-GUS-4-4U	1/4"	7/16 - 20	0.18 (4.6)	1.54 (39.1)	11/16 (17.46)	4500 (310)
SCO-GUS-8-6U	1/2"	9/16 - 18	0.40 (10.2)	1.64 (41.7)	1 (25.4)	4500 (310)
SCO-GUS-8-8U	1/2"	3/4 - 16	0.40 (10.2)	1.71 (43.4)	1 (25.4)	4500 (310)
SCO-GUS-12-12U	3/4"	1-1/16 - 12	0.62 (15.7)	2.07 (52.6)	1-1/2 (38.10)	3600 (248)
SCO-GUS-16-16U	1"	1-5/16 - 12	0.87 (22.1)	2.17 (55.1)	1-3/4 (44.45)	2900 (199)

Union Body



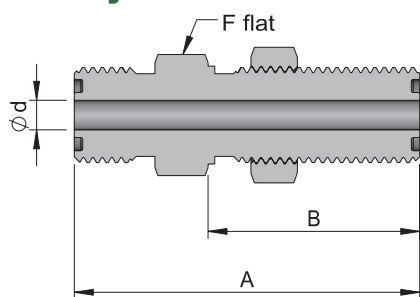
Basic Ordering Number	SCO Size	Dimensions, inch (mm)			Pressure Rating psig (bar)
		d	A	F	
SCO-BU-4	1/4"	0.18 (4.6)	1.25 (31.8)	5/8 (15.87)	14300 (985)
SCO-BU-8	1/2"	0.40 (10.2)	1.50 (38.1)	15/16 (23.81)	11100 (764)

Reducing Union Body



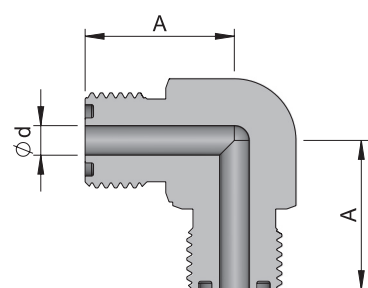
Basic Ordering Number	SCO Size 1	SCO Size 2	Dimensions, inch (mm)			Pressure Rating psig (bar)
			d	A	F	
SCO-BUR-8-4	1/2"	1/4"	0.18 (4.6)	1.43 (36.3)	15/16 (23.81)	11100 (764)

Bulkhead Union Body



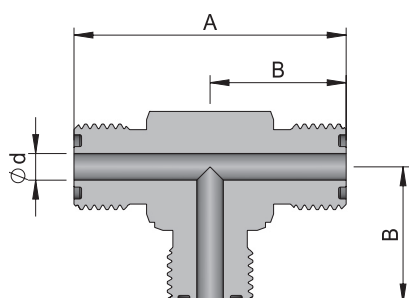
Basic Ordering Number	SCO Size	Dimensions, inch (mm)						Pressure Rating psig (bar)
		d	A	B	F	Panel Hole Drill Size	Max. Panel Thickness	
SCO-BBU-4	1/4"	0.18 (4.6)	1.88 (47.8)	1.06 (26.9)	3/4 (19.05)	37/64 (14.68)	0.36 (9.1)	14300 (985)
SCO-BBU-8	1/2"	0.40 (10.2)	2.09 (53.1)	1.19 (30.2)	1-1/16 (26.98)	57/64 (22.62)	0.40 (10.2)	11100 (764)

Elbow Body



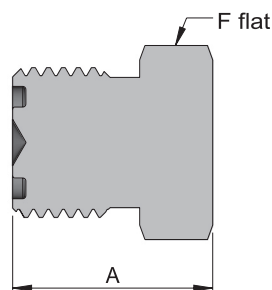
Basic Ordering Number	SCO Size	Dimensions, inch (mm)		Pressure Rating psig (bar)
		d	A	
SCO-BL-4	1/4"	0.18 (4.6)	0.96 (24.4)	14300 (985)
SCO-BL-8	1/2"	0.40 (10.2)	1.26 (32.0)	11100 (764)
SCO-BL-12	3/4"	0.62 (15.7)	1.48 (37.6)	10900 (751)
SCO-BL-16	1"	0.87 (22.1)	1.56 (39.6)	8800 (606)

Tee Body



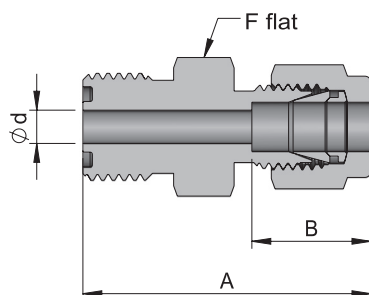
Basic Ordering Number	SCO Size	Dimensions, inch (mm)			Pressure Rating psig (bar)
		d	A	B	
SCO-BT-4	1/4"	0.18 (4.6)	1.92 (48.8)	0.96 (24.4)	14300 (985)
SCO-BT-8	1/2"	0.40 (10.2)	2.52 (64.0)	1.26 (32.0)	11100 (764)
SCO-BT-12	3/4"	0.62 (15.7)	2.96 (75.2)	1.48 (37.6)	10900 (751)
SCO-BT-16	1"	0.87 (22.1)	3.12 (79.2)	1.56 (39.6)	8800 (606)

Blind



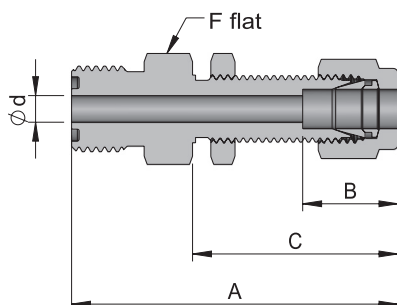
Basic Ordering Number	SCO Size	Dimensions, inch (mm)	
		A	F
SCO-CAP-4	1/4"	0.77 (19.6)	5/8 (15.87)
SCO-CAP-8	1/2"	0.89 (22.6)	15/16 (23.81)
SCO-CAP-12	3/4"	0.99 (25.1)	1-5/16 (33.33)
SCO-CAP-16	1"	1.02 (25.9)	1-5/8 (41.27)

S-LOK Tube Fitting Connector Body



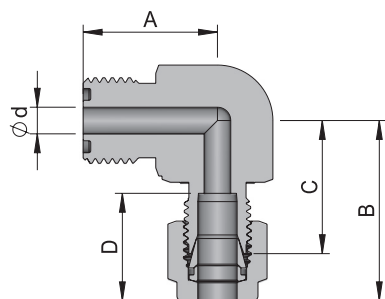
Basic Ordering Number	SCO Size	Tube O.D	Dimensions, inch (mm)				Pressure Rating psig (bar)
			d	A	B	F	
SCO-BSC-4-2T	1/4"	1/8"	0.09 (2.3)	1.38 (35.1)	0.51 (13.0)	5/8 (15.87)	10900 (751)
SCO-BSC-4-4T	1/4"	1/4"	0.18 (4.6)	1.47 (37.3)	0.60 (15.2)	5/8 (15.87)	10200 (702)
SCO-BSC-8-6T	1/2"	3/8"	0.28 (7.1)	1.65 (41.9)	0.66 (16.8)	15/16 (23.81)	6500 (447)
SCO-BSC-8-8T	1/2"	1/2"	0.40 (10.2)	1.78 (45.2)	0.90 (22.9)	15/16 (23.81)	6700 (461)
SCO-BSC-12-12T	3/4"	3/4"	0.62 (15.7)	1.86 (47.2)	0.96 (24.4)	1-5/16 (33.33)	5800 (399)
SCO-BSC-16-16T	1"	1"	0.87 (22.1)	2.06 (52.3)	1.23 (31.2)	1-5/8 (41.27)	4700 (323)

S-LOK Tube Fitting Bulkhead Connector Body



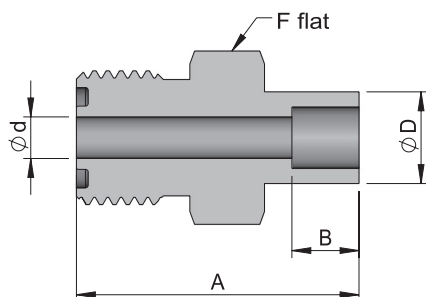
Basic Ordering Number	SCO Size	Tube O.D	Dimensions, inch (mm)						Pressure Rating psig (bar)
			d	A	B	F	Panel Hole Drill Size	Max. Panel Thickness	
SCO-BSCB-4-4T	1/4"	1/4"	0.18 (4.6)	2.10 (53.3)	0.60 (15.2)	5/8 (15.87)	29/64 (11.50)	0.40 (10.2)	10200 (702)
SCO-BSCB-8-6T	1/2"	3/8"	0.28 (7.1)	2.34 (59.4)	0.66 (16.8)	15/16 (23.81)	37/64 (14.68)	0.44 (11.2)	6500 (447)
SCO-BSCB-8-8T	1/2"	1/2"	0.40 (10.2)	2.55 (64.8)	0.90 (22.9)	15/16 (23.81)	49/64 (19.44)	0.50 (12.7)	6700 (461)
SCO-BSCB-12-12T	3/4"	3/4"	0.62 (15.7)	2.86 (72.6)	0.96 (24.4)	1-5/16 (33.33)	1-1/64 (25.79)	0.66 (16.8)	5800 (399)
SCO-BSCB-16-16T	1"	1"	0.87 (22.1)	3.29 (83.6)	1.23 (31.2)	1-5/8 (41.27)	1-21/64 (33.73)	0.75 (19.0)	4700 (323)

S-LOK Tube Fitting Elbow Body



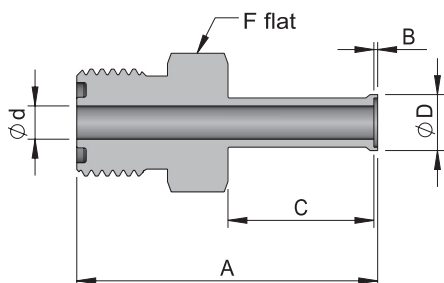
Basic Ordering Number	SCO Size	Tube O.D.	Dimensions, inch (mm)					Pressure Rating psig (bar)
			d	A	B	C	D	
SCO-BSL-4-4T	1/4"	1/4"	0.18 (4.6)	0.96 (24.4)	1.19 (30.2)	0.90 (22.9)	0.60 (15.2)	10200 (702)
SCO-BSL-8-6T	1/2"	3/8"	0.28 (7.1)	1.26 (32.0)	1.39 (35.3)	1.10 (27.9)	0.66 (16.8)	6500 (447)
SCO-BSL-8-8T	1/2"	1/2"	0.40 (10.2)	1.26 (32.0)	1.50 (38.1)	1.10 (27.9)	0.90 (22.9)	6700 (461)
SCO-BSL-12-12T	3/4"	3/4"	0.62 (15.7)	1.48 (37.6)	1.80 (45.7)	1.40 (35.6)	0.96 (24.4)	5800 (399)
SCO-BSL-16-16T	1"	1"	0.87 (22.1)	1.56 (39.6)	2.04 (51.8)	1.56 (39.6)	1.23 (31.2)	4700 (323)

Tube Socket Weld Body



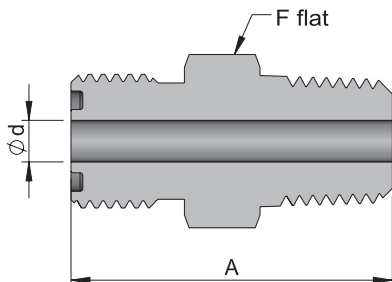
Basic Ordering Number	SCO Size	Tube O.D.	Dimensions, inch (mm)					Pressure Rating psig (bar)
			d	A	B	C	F	
SCO-BSWC-2-2T	1/8"	1/8"	0.09 (2.3)	0.88 (22.4)	0.10 (2.5)	0.29 (7.4)	5/8 (15.87)	12600 (868)
SCO-BSWC-4-4T	1/4"	1/4"	0.18 (4.6)	1.09 (27.7)	0.28 (7.1)	0.38 (9.7)	5/8 (15.87)	6800 (468)
SCO-BSWC-6-6T	3/8"	3/8"	0.28 (7.1)	1.28 (32.5)	0.31 (7.9)	0.60 (15.2)	15/16 (23.81)	8100 (558)
SCO-BSWC-8-8T	1/2"	1/2"	0.40 (10.2)	1.34 (34.0)	0.38 (9.7)	0.60 (15.2)	15/16 (23.81)	3000 (206)
SCO-BSWC-12-12T	3/4"	3/4"	0.62 (15.7)	1.50 (38.1)	0.44 (11.2)	0.92 (23.4)	1-5/16 (33.33)	3700 (254)
SCO-BSWC-16-16T	1"	1"	0.87 (22.1)	1.72 (43.7)	0.62 (15.7)	1.19 (30.2)	1-5/8 (41.27)	3000 (206)

Automatic Tube Weld Body



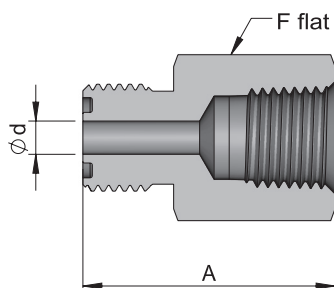
Basic Ordering Number	SCO Size	Tube O.D.	Dimensions, inch (mm)					Pressure Rating psig (bar)
			d	A	B	C	D	
SCO-BWAC-4-4T	1/4"	1/4"	0.18 (4.6)	1.59 (40.4)	0.02 (0.51)	0.78 (19.8)	0.29 (7.4)	5100 (351)
SCO-BWAC-8-6T	1/2"	3/8"	0.31 (7.9)	1.74 (44.2)	0.03 (0.76)	0.79 (20.0)	0.41 (10.4)	3300 (227)
SCO-BWAC-8-8T	1/2"	1/2"	0.40 (10.2)	1.75 (44.4)	0.04 (1.0)	0.80 (20.3)	0.55 (14.0)	3500 (241)
SCO-BWAC-12-12T	3/4"	3/4"	0.65 (16.5)	1.78 (45.2)	0.04 (1.0)	0.80 (20.3)	0.80 (20.3)	2200 (151)
SCO-BWAC-16-16T	1"	1"	0.87 (22.1)	20.3 (51.6)	0.04 (1.0)	1.00 (25.4)	1.06 (26.9)	2200 (151)

Male Connector Body



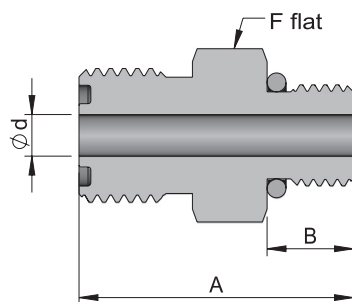
Basic Ordering Number	SCO Size	NPT Size	Dimensions, inch (mm)			Pressure Rating psig (bar)
			d	A	F	
SCO-BMC-4-2N	1/4"	1/8"	0.18 (4.6)	1.16 (29.5)	5/8 (15.87)	10000 (689)
SCO-BMC-4-4N	1/4"	1/4"	0.18 (4.6)	1.34 (34.0)	5/8 (15.87)	13400 (923)
SCO-BMC-8-6N	1/2"	3/8"	0.38 (9.7)	1.46 (37.1)	15/16 (23.81)	7800 (537)
SCO-BMC-8-8N	1/2"	1/2"	0.40 (10.2)	1.65 (41.9)	15/16 (23.81)	10000 (689)
SCO-BMC-12-12N	3/4"	3/4"	0.62 (15.7)	1.75 (44.4)	1-5/16 (33.33)	7300 (502)
SCO-BMC-16-16N	1"	1"	0.87 (22.1)	1.97 (50.0)	1-5/8 (41.27)	5300 (365)

Female Connector Body



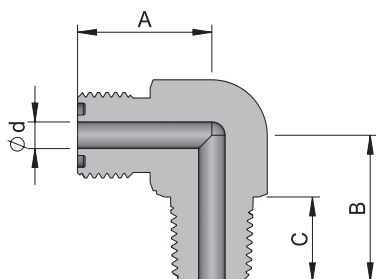
Basic Ordering Number	SCO Size	NPT Size	Dimensions, inch (mm)			Pressure Rating psig (bar)
			d	A	F	
SCO-BFC-4-2N	1/4"	1/8"	0.18 (4.6)	1.25 (31.8)	5/8 (15.87)	8400 (578)
SCO-BFC-4-4N	1/4"	1/4"	0.18 (4.6)	1.39 (35.3)	3/4 (19.05)	6600 (454)
SCO-BFC-8-6N	1/2"	3/8"	0.40 (10.2)	1.57 (39.9)	15/16 (23.81)	6600 (454)
SCO-BFC-8-8N	1/2"	1/2"	0.40 (10.2)	1.77 (45.0)	1-1/16 (26.98)	4900 (337)
SCO-BFC-12-12N	3/4"	3/4"	0.62 (15.7)	1.93 (49.0)	1-5/16 (33.33)	4600 (316)
SCO-BFC-16-16N	1"	1"	0.87 (22.1)	2.02 (51.3)	1-5/8 (41.27)	4400 (303)

Male SAE/MS Connector Body



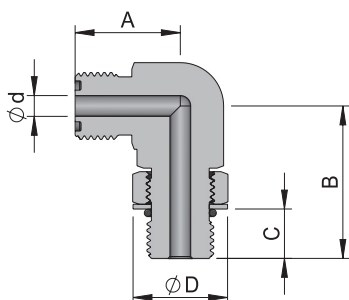
Basic Ordering Number	SCO Size	Straight Thread Size	Dimensions, inch (mm)				Pressure Rating psig (bar)
			d	A	B	F	
SCO-BUS-4-4U	1/4"	7/16 – 20	0.18 (4.6)	1.24 (31.5)	0.36 (9.1)	11/16 (17.46)	4500 (310)
SCO-BUS-4-6U	1/4"	9/16 – 18	0.18 (4.6)	1.17 (29.7)	0.39 (9.9)	11/16 (17.46)	4500 (310)
SCO-BUS-8-4U	1/2"	7/16 – 20	0.18 (4.6)	1.36 (34.5)	0.36 (9.1)	15/16 (23.81)	4500 (310)
SCO-BUS-8-6U	1/2"	9/16 – 18	0.30 (7.6)	1.39 (35.3)	0.39 (9.9)	15/16 (23.81)	4500 (310)
SCO-BUS-8-8U	1/2"	3/4 – 16	0.40 (10.2)	1.47 (37.3)	0.44 (11.2)	1 (25.40)	4500 (310)
SCO-BUS-12-12U	3/4"	1-1/16 – 12	0.62 (15.7)	1.73 (43.9)	0.59 (15.0)	1-3/8 (34.92)	3600 (248)
SCO-BUS-16-16U	1"	1-5/16 – 12	0.85 (21.6)	1.79 (45.5)	0.59 (15.0)	1-5/8 (41.27)	2900 (199)

Male Elbow Body



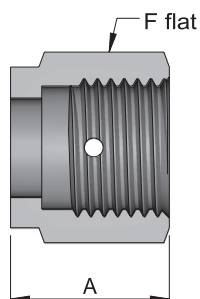
Basic Ordering Number	SCO Size	NPT Size	Dimensions, inch (mm)				Pressure Rating psig (bar)
			d	A	B	C	
SCO-BLM-4-2N	1/4"	1/8"	0.18 (4.6)	0.96 (24.4)	0.87 (22.1)	0.38 (9.7)	10000 (689)
SCO-BLM-4-4N	1/4"	1/4"	0.18 (4.6)	0.96 (24.4)	1.05 (26.7)	0.56 (14.2)	8000 (551)
SCO-BLM-8-6N	1/2"	3/8"	0.38 (9.7)	1.26 (32.0)	1.26 (32.0)	0.56 (14.2)	7800 (537)
SCO-BLM-8-8N	1/2"	1/2"	0.40 (10.2)	1.26 (32.0)	1.45 (36.8)	0.75 (19.0)	7700 (530)
SCO-BLM-12-12N	3/4"	3/4"	0.62 (15.7)	1.48 (37.6)	1.67 (42.4)	0.75 (19.0)	7300 (502)
SCO-BLM-16-16N	1"	1"	0.87 (22.1)	1.56 (39.6)	1.94 (49.3)	0.94 (23.9)	5300 (365)

Male SAE/MS Positionable Elbow Body



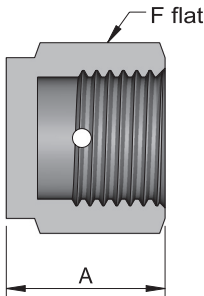
Basic Ordering Number	SCO Size	Straight Thread Size	Dimensions, inch (mm)					Pressure Rating psig (bar)
			d	A	B	C	D	
SCO-BLS-4-4U	1/4"	7/16 – 20	0.18 (4.6)	0.96 (24.4)	1.19 (30.2)	0.39 (9.9)	0.65 (16.5)	4500 (310)
SCO-BLS-8-6U	1/2"	9/16 – 18	0.30 (7.6)	1.33 (33.8)	1.54 (39.1)	0.44 (11.2)	0.79 (20.1)	3600 (248)
SCO-BLS-8-8U	1/2"	3/4 – 16	0.40 (10.2)	1.33 (33.8)	1.65 (41.9)	0.50 (12.7)	1.01 (25.7)	3600 (248)
SCO-BLS-12-12U	3/4"	1-1/16 – 12	0.62 (15.7)	1.53 (38.9)	2.13 (54.1)	0.66 (16.8)	1.44 (36.6)	2900 (199)
SCO-BLS-16-16U	1"	1-5/16 – 12	0.87 (22.1)	1.72 (43.7)	2.31 (58.7)	0.66 (16.8)	1.73 (43.9)	2300 (158)

Female Nut



Basic Ordering Number	SCO Size	Dimensions, inch (mm)	
		A	F
SCO-NUT-4	1/4" (& 1/8")	0.66 (16.8)	11/16 (17.46)
SCO-NUT-8	1/2" (& 3/8")	0.69 (17.5)	1 (25.40)
SCO-NUT-12	3/4"	0.81 (20.6)	1-1/2 (38.10)
SCO-NUT-16	1"	0.81 (20.6)	1-3/4 (44.45)

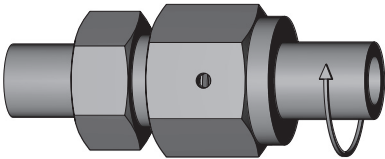
Blind Nut



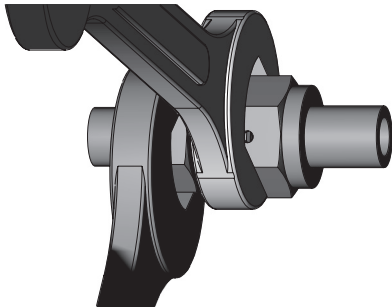
Basic Ordering Number	SCO Size	Dimensions, inch (mm)	
		A	F
SCO-BLNUT-4	1/4" (& 1/8")	0.44 (11.2)	11/16 (17.46)
SCO-BLNUT-8	1/2" (& 3/8")	0.56 (14.2)	1 (25.40)
SCO-BLNUT-12	3/4"	0.75 (19.0)	1-1/2 (38.10)
SCO-BLNUT-16	1"	0.81 (20.6)	1-3/4 (44.45)

SCO Fitting Installation Instruction

1. Rotate the nut finger-tight.



2. Tighten the nut 1/8 turn with wrench.



NOTE

O-ring should be removed to prevent thermal damage when welding of bodies or glands.