

SCO O-Ring Face Seal Fittings

The best partner for value creation
We support the innovations of customer



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Catalogue No. S-LOK Oct.2020

Union Gland



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**S-LOK Tube
Connector Gland**



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Tube Adapter Gland



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**Tube Socket Weld
Gland**



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**Tube Socket Weld
Reducing Gland**



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Male Tube Weld Gland



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**Automatic Tube Weld
Gland**



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Male Connector Gland



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**Female Connector
Gland**



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**Male SAE/MS Connector
Gland**



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Union Body



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Reducing Union Body



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Bulkhead Union Body



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Elbow Body



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Tee Body



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Blind



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**S-LOK Tube Fitting
Connector Body**



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**S-LOK Tube Fitting
Bulkhead Connector Body**



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**S-LOK Tube Fitting
Elbow Body**



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Tube Socket Weld Body



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**Automatic Tube Weld
Body**



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Male Connector Body



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Female Connector Body



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**Male SAE/MS Connector
Body**



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Male Elbow Body



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**Male SAE/MS
Positionable Elbow Body**



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Female Nut



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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

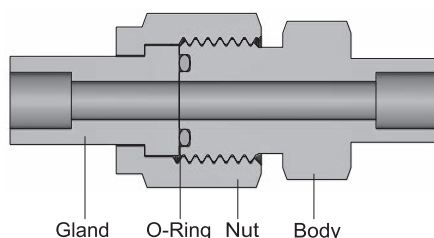
- Pressure ratings comply with calculations in accordance with ASME B31.3 and ASME B31.1.

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)
Per uoroelastomer	550 (287)
Ethylene propylene	300 (148)
PTFE	450 (232)

Typical Assembly



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 (75 durometer)
O-ring for SAE/MS threads	Fluorocarbon FKM (90 durometer)

O-Ring Uniform Size Number

Fluorocarbon FKM O-ring (Hardness Shore A 75) 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

Helium Leak Testing

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

Ordering Information and Dimension

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

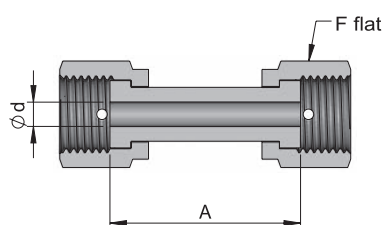
• O-Ring Material

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

• Body Material

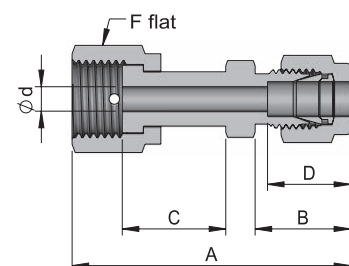
- S6 : SS316
- S6L : SS316L

Union Gland



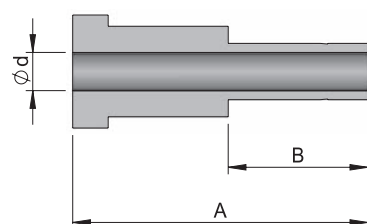
Basic Ordering Number	SCO Size	Dimensions, inch (mm)			Pressure Rating psig (bar)
		d	A	F	
SCO-GU-4	1/4"	0.18 (4.6)	1.42 (36.1)	11/16 (17.46)	10200 (702)
SCO-GU-8	1/2"	0.40 (10.2)	1.61 (40.9)	1 (25.4)	5800 (399)

S-LOK Tube Connector Gland



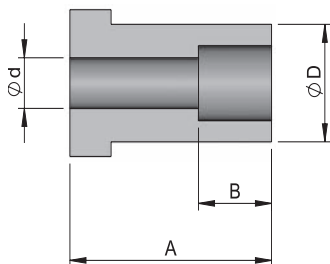
Basic Ordering Number	SCO Size	Tube O.D	Dimensions, inch (mm)						Pressure Rating psig (bar)
			d	A	B	C	D	F	
SCO-GSC-4-4T	1/4"	1/4"	0.18 (4.6)	1.74 (44.2)	0.70 (17.8)	0.77 (19.6)	0.60 (15.2)	11/16 (17.46)	10200 (702)
SCO-GSC-8-6T	1/2"	3/8"	0.28 (7.1)	1.87 (47.5)	0.76 (19.3)	0.81 (20.6)	0.66 (16.8)	1 (25.40)	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 (25.40)	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 (38.10)	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



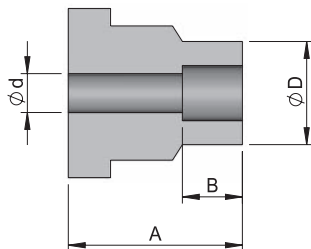
Basic Ordering Number	SCO Size	Tube O.D	Dimensions, inch (mm)			Pressure Rating psig (bar)
			d	A	B	
SCO-GA-4-4T	1/4"	1/4"	0.18 (4.6)	1.31 (33.3)	0.64 (16.3)	10200 (702)
SCO-GA-8-6T	1/2"	3/8"	0.27 (6.8)	1.38 (35.1)	0.70 (17.8)	6500 (447)
SCO-GA-8-8T	1/2"	1/2"	0.37 (9.3)	1.62 (41.1)	0.96 (24.4)	6700 (461)
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



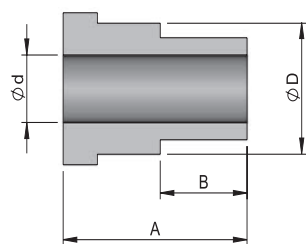
Basic Ordering Number	SCO Size	Tube O.D	Dimensions, inch (mm)				Pressure Rating psig (bar)
			d	A	B	D	
SCO-GSWC-4-2T	1/4"	1/8"	0.09 (2.3)	0.77 (19.6)	0.10 (2.5)	0.38 (9.7)	15400 (1061)
SCO-GSWC-4-4T	1/4"	1/4"	0.18 (4.6)	0.77 (19.6)	0.28 (7.1)	0.38 (9.7)	6800 (468)
SCO-GSWC-6-6T	3/8"	3/8"	0.28 (7.1)	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



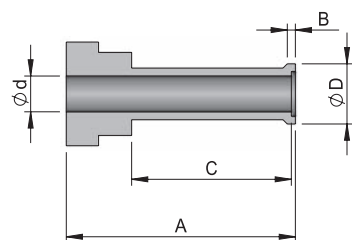
Basic Ordering Number	SCO Size	Tube O.D	Dimensions, inch (mm)				Pressure Rating psig (bar)
			d	A	B	D	
SCO-GSWR-4-2T	1/4"	1/8"	0.09 (2.3)	0.77 (19.6)	0.10 (2.5)	0.29 (7.4)	12600 (868)
SCO-GSWR-8-4T	1/2"	1/4"	0.18 (4.6)	0.81 (20.6)	0.28 (7.1)	0.48 (12.2)	10700 (737)

Male Tube Weld Gland



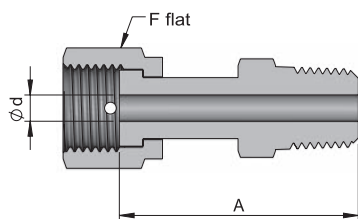
Basic Ordering Number	SCO Size	Tube O.D	Dimensions, inch (mm)				Pressure Rating psig (bar)
			d	A	B	D	
SCO-GWC-4-2T	1/4"	1/8"	0.06 (1.5)	0.77 (19.6)	0.28 (7.1)	0.38 (9.7)	11200 (771)
SCO-GWC-4-4T	1/4"	1/4"	0.12 (3.0)	1.12 (28.4)	0.41 (10.4)	0.38 (9.7)	11200 (771)
SCO-GWC-8-4T	1/2"	1/4"	0.12 (3.0)	0.91 (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



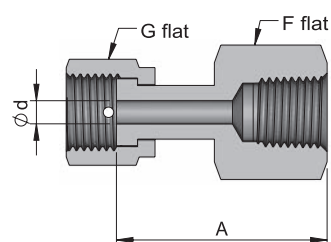
Basic Ordering Number	SCO Size	Tube O.D	Dimensions, inch (mm)					Pressure Rating psig (bar)
			d	A	B	C	D	
SCO-GWAC-4-4T	1/4"	1/4"	0.18 (4.6)	1.12 (28.4)	0.02 (0.51)	0.78 (19.8)	0.29 (7.4)	5100 (351)
SCO-GWAC-8-6T	1/2"	3/8"	0.31 (7.9)	1.13 (28.7)	0.03 (0.76)	0.79 (20.0)	0.41 (10.4)	3300 (227)
SCO-GWAC-8-8T	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



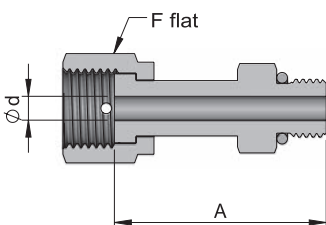
Basic Ordering Number	SCO Size	NPT Size	Dimensions, inch (mm)			Pressure Rating psig (bar)
			d	A	F	
SCO-GMC-4-4N	1/4"	1/4"	0.18 (4.6)	1.59 (40.4)	11/16 (17.46)	9800 (675)
SCO-GMC-8-6N	1/2"	3/8"	0.40 (10.2)	1.67 (42.4)	1 (25.4)	5600 (385)
SCO-GMC-8-8N	1/2"	1/2"	0.40 (10.2)	1.87 (47.5)	1 (25.4)	5600 (385)
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



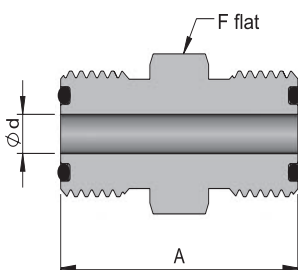
Basic Ordering Number	SCO Size	NPT Size	Dimensions, inch (mm)				Pressure Rating psig (bar)
			d	A	F	G	
SCO-GFC-4-4N	1/4"	1/4"	0.18 (4.6)	1.57 (39.9)	3/4 (19.05)	11/16 (17.46)	6600 (454)
SCO-GFC-8-6N	1/2"	3/8"	0.40 (10.2)	1.73 (43.9)	7/8 (22.22)	1 (25.4)	5300 (365)
SCO-GFC-8-8N	1/2"	1/2"	0.40 (10.2)	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



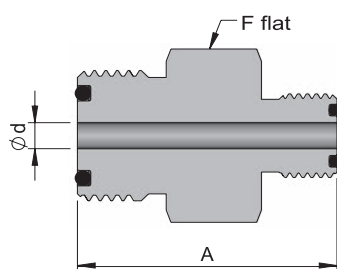
Basic Ordering Number	SCO Size	Straight Thread Size	Dimensions, inch (mm)			Pressure Rating psig (bar)
			d	A	F	
SCO-GUS-4-4U	1/4"	7/16 – 20	0.18 (4.6)	1.54 (39.1)	11/16 (17.46)	4500 (310)
SCO-GUS-8-6U	1/2"	9/16 – 18	0.40 (10.2)	1.64 (41.7)	1 (25.4)	4500 (310)
SCO-GUS-8-8U	1/2"	3/4 – 16	0.40 (10.2)	1.71 (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



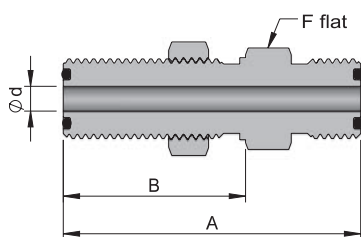
Basic Ordering Number	SCO Size	Dimensions, inch (mm)			Pressure Rating psig (bar)
		d	A	F	
SCO-BU-4	1/4"	0.18 (4.6)	1.25 (31.8)	5/8 (15.87)	14300 (985)
SCO-BU-8	1/2"	0.40 (10.2)	1.50 (38.1)	15/16 (23.81)	11100 (764)

Reducing Union Body



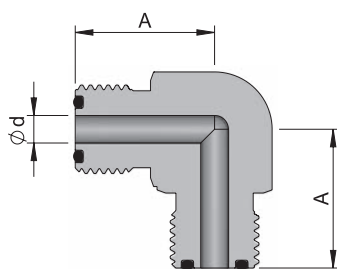
Basic Ordering Number	SCO Size 1	SCO Size 2	Dimensions, inch (mm)			Pressure Rating psig (bar)
			d	A	F	
SCO-BUR-8-4	1/2"	1/4"	0.18 (4.6)	1.43 (36.3)	15/16 (23.81)	11100 (764)

Bulkhead Union Body



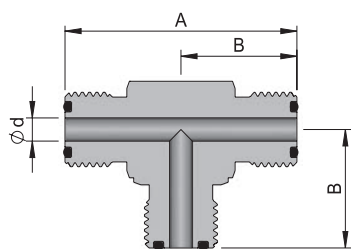
Basic Ordering Number	SCO Size	Dimensions, inch (mm)						Pressure Rating psig (bar)
		d	A	B	F	Panel Hole Drill Size	Max. Panel Thickness	
SCO-BBU-4	1/4"	0.18 (4.6)	1.88 (47.8)	1.06 (26.9)	3/4 (19.05)	37/64 (14.68)	0.36 (9.1)	14300 (985)
SCO-BBU-8	1/2"	0.40 (10.2)	2.09 (53.1)	1.19 (30.2)	1-1/16 (26.98)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

Elbow Body



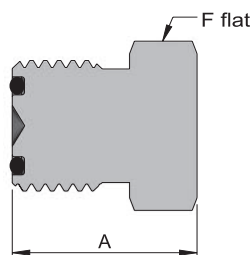
Basic Ordering Number	SCO Size	Dimensions, inch (mm)		Pressure Rating psig (bar)
		d	A	
SCO-BL-4	1/4"	0.18 (4.6)	0.96 (24.4)	14300 (985)
SCO-BL-8	1/2"	0.40 (10.2)	1.26 (32.0)	11100 (764)
SCO-BL-12	3/4"	0.62 (15.7)	1.48 (37.6)	10900 (751)
SCO-BL-16	1"	0.87 (22.1)	1.56 (39.6)	8800 (606)

Tee Body



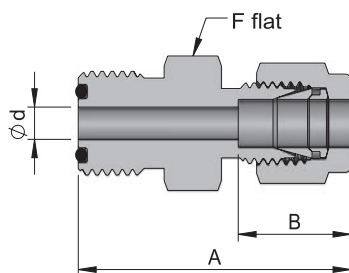
Basic Ordering Number	SCO Size	Dimensions, inch (mm)			Pressure Rating psig (bar)
		d	A	B	
SCO-BT-4	1/4"	0.18 (4.6)	1.92 (48.8)	0.96 (24.4)	14300 (985)
SCO-BT-8	1/2"	0.40 (10.2)	2.52 (64.0)	1.26 (32.0)	11100 (764)
SCO-BT-12	3/4"	0.62 (15.7)	2.96 (75.2)	1.48 (37.6)	10900 (751)
SCO-BT-16	1"	0.87 (22.1)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

Blind



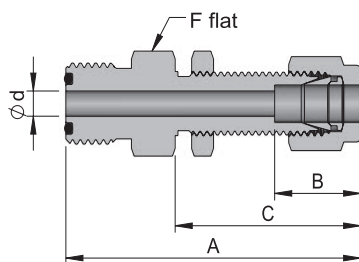
Basic Ordering Number	SCO Size	Dimensions, inch (mm)	
		A	F
SCO-CAP-4	1/4"	0.77 (19.6)	5/8 (15.87)
SCO-CAP-8	1/2"	0.89 (22.6)	15/16 (23.81)
SCO-CAP-12	3/4"	0.99 (25.1)	1-5/16 (33.33)
SCO-CAP-16	1"	1.02 (25.9)	1-5/8 (41.27)

S-LOK Tube Fitting Connector Body



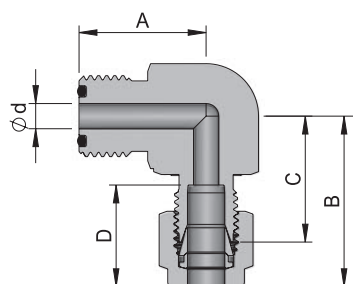
Basic Ordering Number	SCO Size	Tube O.D.	Dimensions, inch (mm)				Pressure Rating psig (bar)
			d	A	B	F	
SCO-BSC-4-2T	1/4"	1/8"	0.09 (2.3)	1.38 (35.1)	0.51 (13.0)	5/8 (15.87)	10900 (751)
SCO-BSC-4-4T	1/4"	1/4"	0.18 (4.6)	1.47 (37.3)	0.60 (15.2)	5/8 (15.87)	10200 (702)
SCO-BSC-8-6T	1/2"	3/8"	0.28 (7.1)	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



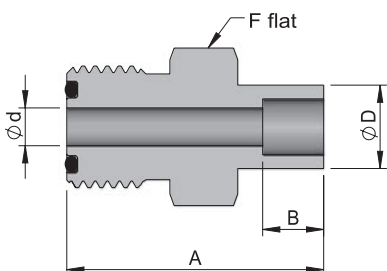
Basic Ordering Number	SCO Size	Tube O.D.	Dimensions, inch (mm)							Pressure Rating psig (bar)
			d	A	B	C	F	Panel Hole Drill Size	Max. Panel THK.	
SCO-BSCB-4-4T	1/4"	1/4"	0.18 (4.6)	2.10 (53.3)	0.60 (15.2)	1.32 (33.5)	5/8 (15.87)	29/64 (11.50)	0.40 (10.2)	10200 (702)
SCO-BSCB-8-6T	1/2"	3/8"	0.28 (7.1)	2.34 (59.4)	0.66 (16.8)	1.45 (36.8)	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)	1.65 (41.9)	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)	1.87 (47.5)	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)	2.26 (57.4)	1-5/8 (41.27)	1-21/64 (33.73)	0.75 (19.0)	4700 (323)

S-LOK Tube Fitting Elbow Body



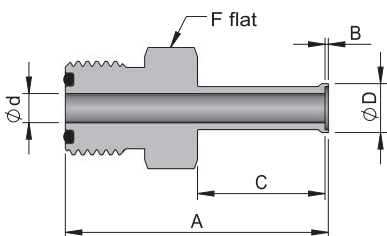
Basic Ordering Number	SCO Size	Tube O.D.	Dimensions, inch (mm)					Pressure Rating psig (bar)
			d	A	B	C	D	
SCO-BSL-4-4T	1/4"	1/4"	0.18 (4.6)	0.96 (24.4)	1.19 (30.2)	0.90 (22.9)	0.60 (15.2)	10200 (702)
SCO-BSL-8-6T	1/2"	3/8"	0.28 (7.1)	1.26 (32.0)	1.39 (35.3)	1.10 (27.9)	0.66 (16.8)	6500 (447)
SCO-BSL-8-8T	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



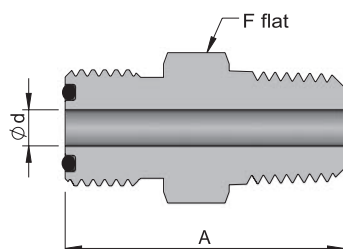
Basic Ordering Number	SCO Size	Tube O.D.	Dimensions, inch (mm)					Pressure Rating psig (bar)
			d	A	B	D	F	
SCO-BSWC-4-2T	1/4"	1/8"	0.09 (2.3)	0.88 (22.4)	0.10 (2.5)	0.29 (7.4)	5/8 (15.87)	12600 (868)
SCO-BSWC-4-4T	1/4"	1/4"	0.18 (4.6)	1.09 (27.7)	0.28 (7.1)	0.38 (9.7)	5/8 (15.87)	6800 (468)
SCO-BSWC-8-6T	1/2"	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



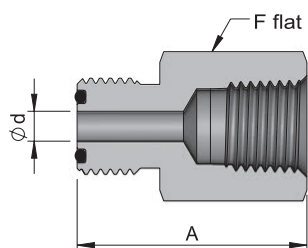
Basic Ordering Number	SCO Size	Tube O.D.	Dimensions, inch (mm)					Pressure Rating psig (bar)
			d	A	B	C	D	
SCO-BWAC-4-4T	1/4"	1/4"	0.18 (4.6)	1.59 (40.4)	0.02 (0.51)	0.78 (19.8)	0.29 (7.4)	5100 (351)
SCO-BWAC-8-6T	1/2"	3/8"	0.31 (7.9)	1.74 (44.2)	0.03 (0.76)	0.79 (20.0)	0.41 (10.4)	3300 (227)
SCO-BWAC-8-8T	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



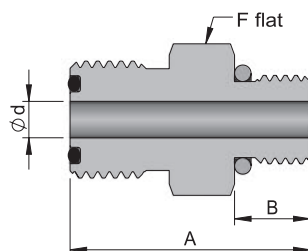
Basic Ordering Number	SCO Size	NPT Size	Dimensions, inch (mm)			Pressure Rating psig (bar)
			d	A	F	
SCO-BMC-4-2N	1/4"	1/8"	0.18 (4.6)	1.16 (29.5)	5/8 (15.87)	10000 (689)
SCO-BMC-4-4N	1/4"	1/4"	0.18 (4.6)	1.34 (34.0)	5/8 (15.87)	13400 (923)
SCO-BMC-8-6N	1/2"	3/8"	0.38 (9.7)	1.46 (37.1)	15/16 (23.81)	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



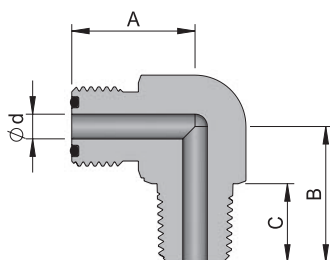
Basic Ordering Number	SCO Size	NPT Size	Dimensions, inch (mm)			Pressure Rating psig (bar)
			d	A	F	
SCO-BFC-4-2N	1/4"	1/8"	0.18 (4.6)	1.25 (31.8)	5/8 (15.87)	8400 (578)
SCO-BFC-4-4N	1/4"	1/4"	0.18 (4.6)	1.39 (35.3)	3/4 (19.05)	6600 (454)
SCO-BFC-8-6N	1/2"	3/8"	0.40 (10.2)	1.57 (39.9)	15/16 (23.81)	6600 (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



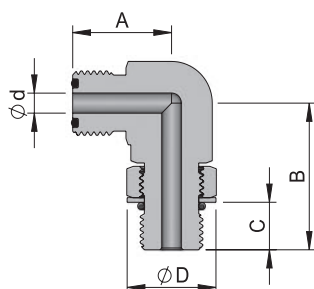
Basic Ordering Number	SCO Size	Straight Thread Size	Dimensions, inch (mm)				Pressure Rating psig (bar)
			d	A	B	F	
SCO-BUS-4-4U	1/4"	7/16 – 20	0.18 (4.6)	1.24 (31.5)	0.36 (9.1)	11/16 (17.46)	4500 (310)
SCO-BUS-4-6U	1/4"	9/16 – 18	0.18 (4.6)	1.17 (29.7)	0.39 (9.9)	11/16 (17.46)	4500 (310)
SCO-BUS-8-4U	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



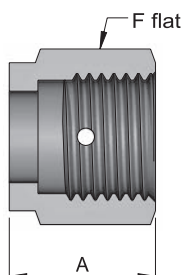
Basic Ordering Number	SCO Size	NPT Size	Dimensions, inch (mm)				Pressure Rating psig (bar)
			d	A	B	C	
SCO-BLM-4-2N	1/4"	1/8"	0.18 (4.6)	0.96 (24.4)	0.87 (22.1)	0.38 (9.7)	10000 (689)
SCO-BLM-4-4N	1/4"	1/4"	0.18 (4.6)	0.96 (24.4)	1.05 (26.7)	0.56 (14.2)	8000 (551)
SCO-BLM-8-6N	1/2"	3/8"	0.38 (9.7)	1.26 (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



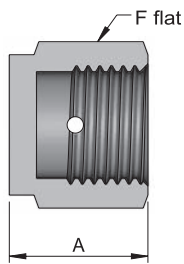
Basic Ordering Number	SCO Size	Straight Thread Size	Dimensions, inch (mm)					Pressure Rating psig (bar)
			d	A	B	C	D	
SCO-BLS-4-4U	1/4"	7/16 – 20	0.18 (4.6)	0.96 (24.4)	1.19 (30.2)	0.39 (9.9)	0.65 (16.5)	4500 (310)
SCO-BLS-8-6U	1/2"	9/16 – 18	0.30 (7.6)	1.33 (33.8)	1.54 (39.1)	0.44 (11.2)	0.79 (20.1)	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"	0.66 (16.8)	11/16 (17.46)
SCO-NUT-8	1/2"	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)

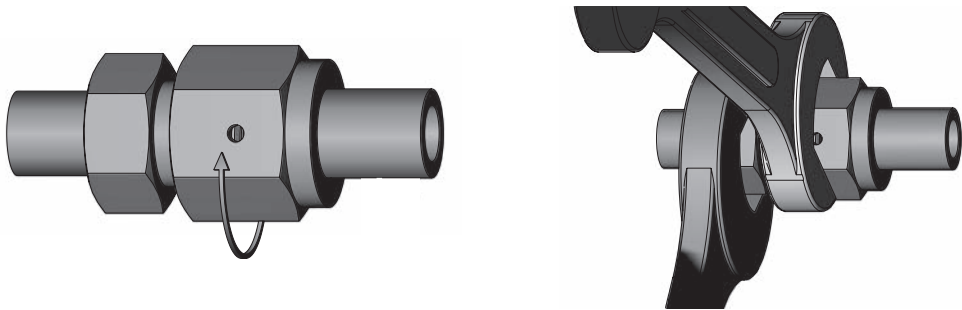
Blind Nut



Basic Ordering Number	SCO Size	Dimensions, inch (mm)	
		A	F
SCO-BLNUT-4	1/4"	0.44 (11.2)	11/16 (17.46)
SCO-BLNUT-8	1/2"	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 spanner.



NOTE

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