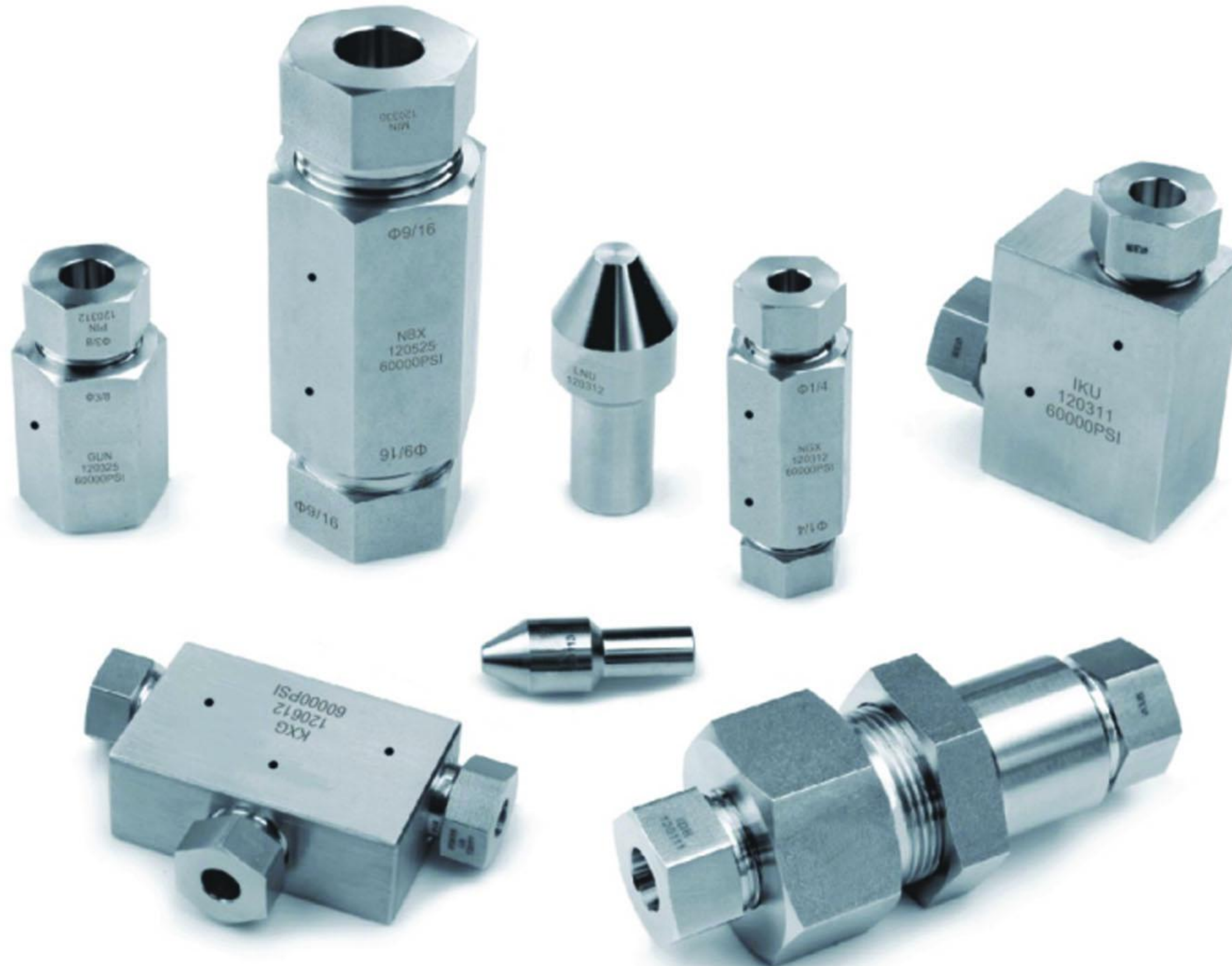


C-LOK

C-LOK Instrument Valve Co.,Ltd.

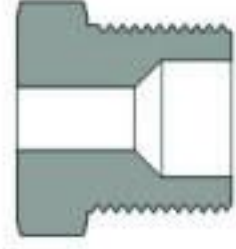
60 Series Tube Fittings

60,000 psi (4137 bar)

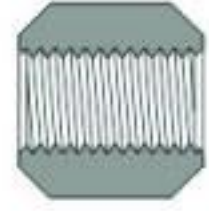


Contents

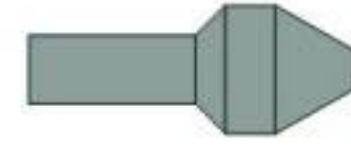
02 Glands - G



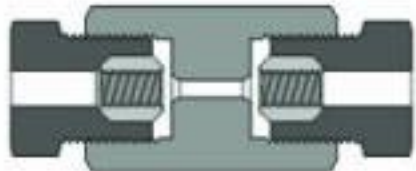
02 Collars - CO



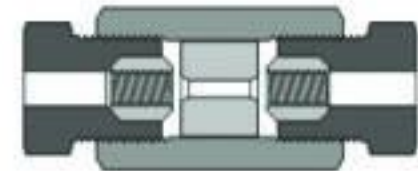
02 Plugs - TP



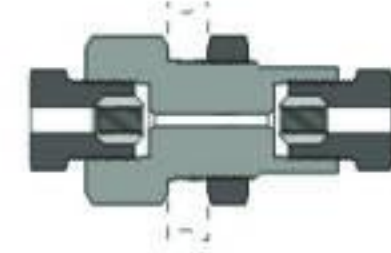
02 Union Couplings - U



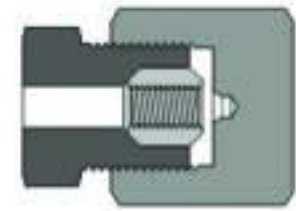
03 Union Couplings (Slip Type) - SU



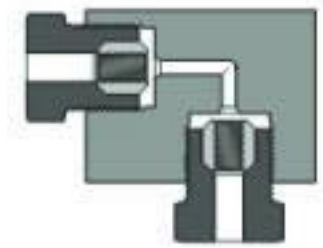
03 Bulkhead Couplings - BU



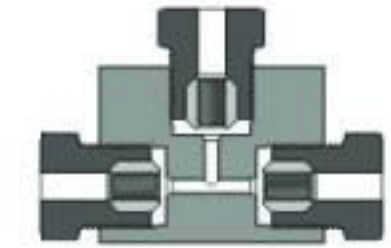
03 Caps - TC



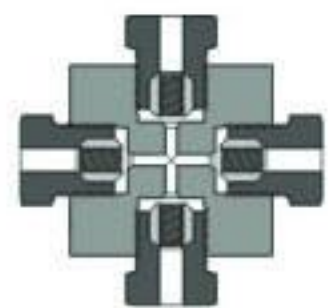
04 Elbows - LU



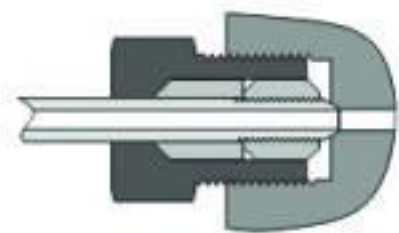
04 Tees - TTT



05 Crosses - C



06 Anti-Vibration Gland Assemblies - AVGA



06 Coned and Threaded Nipples - CTN



07 60 Series Tubing

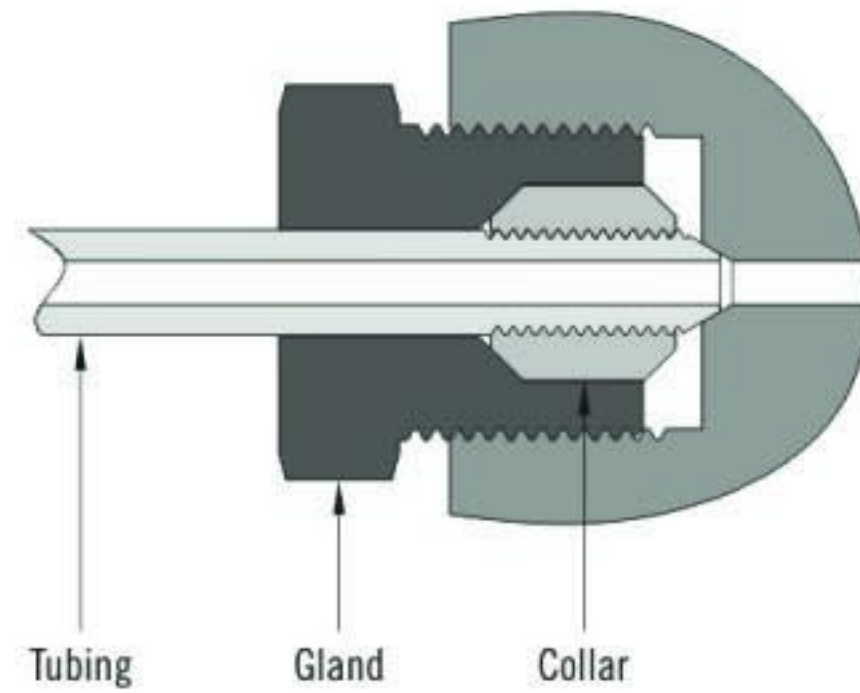


60 Series Tube Fittings

Features

- Coned-and-Threaded Connection.
- Metal-to-metal seal provides perfect leak-tight service from critical vacuum to high pressure.
- Anti-vibration connection components available.
- Fittings are easy to disconnect and retighten.
- Material is high tensile 316 stainless steel.
- Every fitting is stamped with size, material, and heat code.

Composition



Technical Data

- Available sizes are 1/4", 3/8", 9/16"
- Temperature Rating: -325 to 800°F (-198 to 427°C).
- Working Pressure:

T-Tube O.D. (in.)	Working Pressure, psi (bar)				
	-325 to 100°F (-198 to 37.8°C)	200°F (93°C)	400°F (204°C)	600°F (316°C)	800°F (427°C)
1/4	60000 (4137)	60000 (4137)	57750 (3982)	54250 (3740)	50700 (3496)
3/8	60000 (4137)	60000 (4137)	57750 (3982)	54250 (3740)	50700 (3496)
9/16	60000 (4137)	60000 (4137)	57750 (3982)	54250 (3740)	50700 (3496)

Installation Instructions

- Refer to the Tools & Installation Instructions.

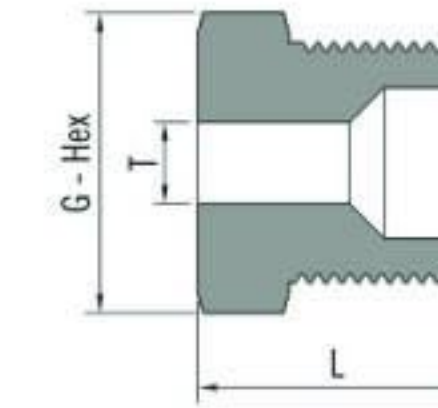
Cautions

- Do not loosen or tighten fittings when system is pressurized.

60 Series Tube Fittings

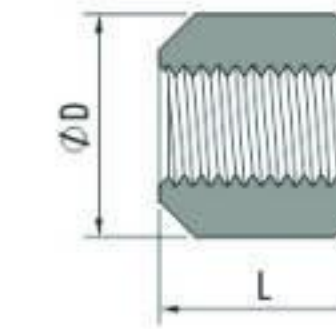
Dimensions

Glands



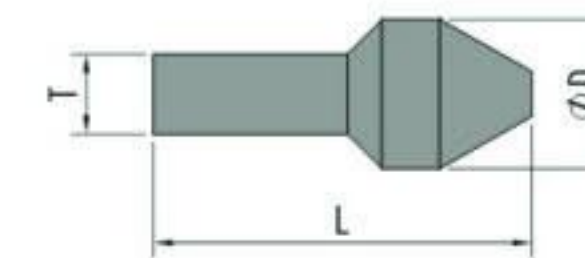
T-Tube O.D. (in.)	Ordering Number	Dimensions, in (mm)	
		G	L
1/4	SS-G-60S4	0.63 (15.9)	0.82 (20.8)
3/8	SS-G-60S6	0.81 (20.6)	1.13 (28.7)
9/16	SS-G-60S9	1.19 (30.2)	1.50 (38.1)

Collars



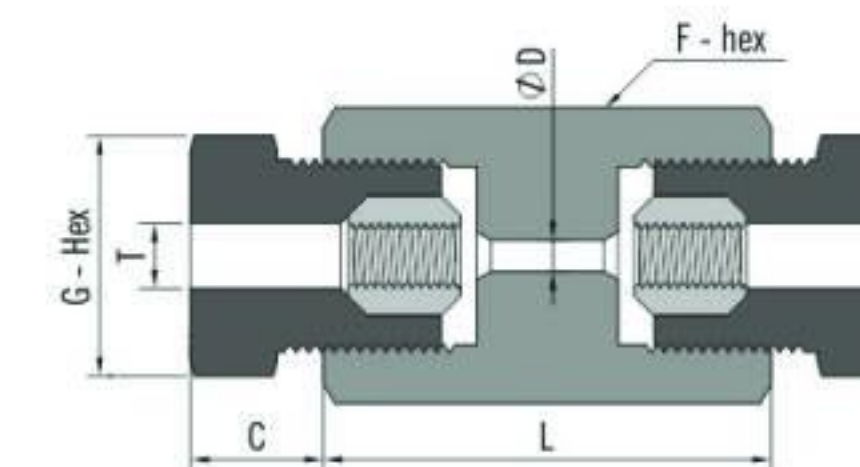
T-Tube O.D. (in.)	Ordering Number	Dimensions, in (mm)	
		D	L
1/4	SS-CO-60S4	0.38 (9.6)	0.38 9.6
3/8	SS-CO-60S6	0.50 12.7	0.54 13.7
9/16	SS-CO-60S9	0.81 20.6	0.62 15.8

Plugs



T-Tube O.D. (in.)	Ordering Number	Dimensions, in (mm)	
		D	L
1/4	SS-TP-60S4	0.38 (9.6)	1.04 (28.4)
3/8	SS-TP-60S6	0.50 12.7	1.35 (34.3)
9/16	SS-TP-60S9	0.81 20.6	1.89 (48.0)

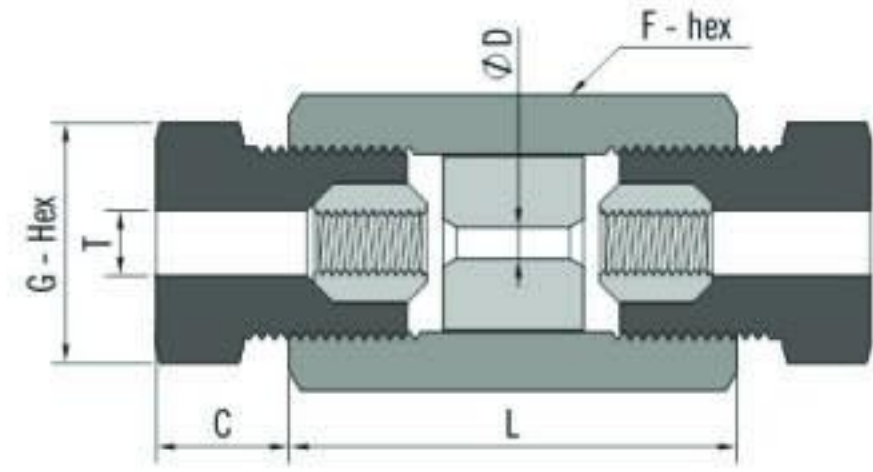
Union Couplings



T-Tube O.D. (in.)	Ordering Number	Dimensions, in (mm)				
		L	C	D	G	F
1/4	SS-U-60S4	1.38 (34.9)	0.50 (12.7)	0.09 (2.3)	0.63 (15.9)	0.75 (19.1)
3/8	SS-U-60S6	1.75 (44.5)	0.53 (13.5)	0.13 (3.3)	0.81 (20.6)	1.00 (25.4)
9/16	SS-U-60S9	2.19 (55.6)	0.81 (20.6)	0.19 (4.8)	1.19 (30.2)	1.38 (34.9)

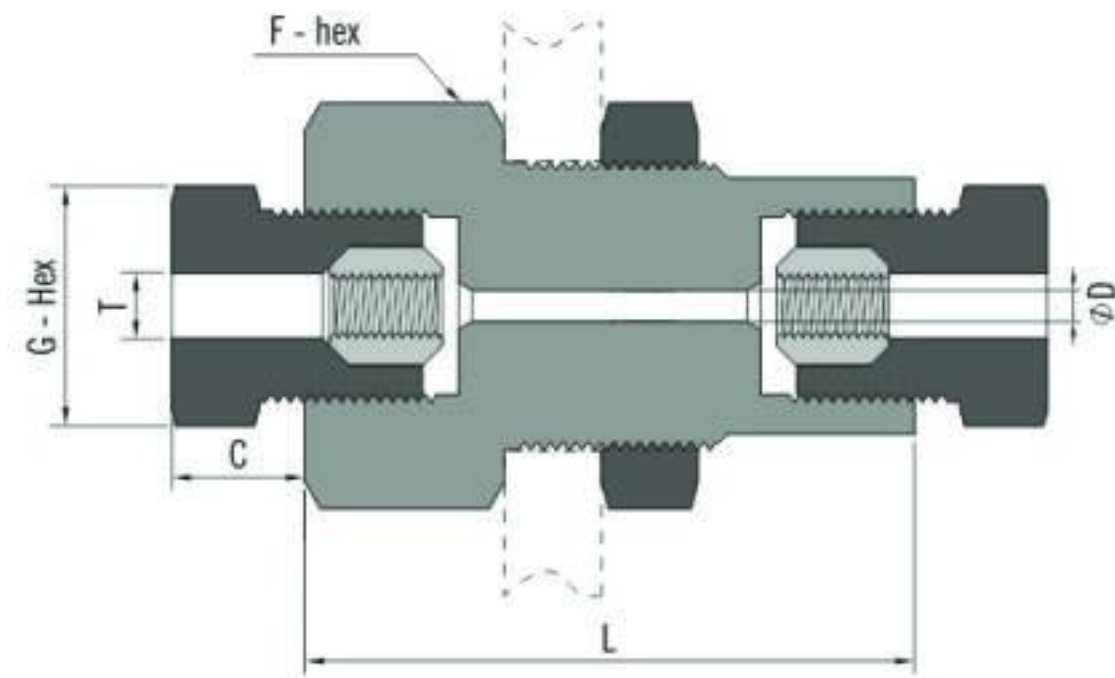
Dimensions are for reference only, subject to change.

Union Couplings (Slip Type)



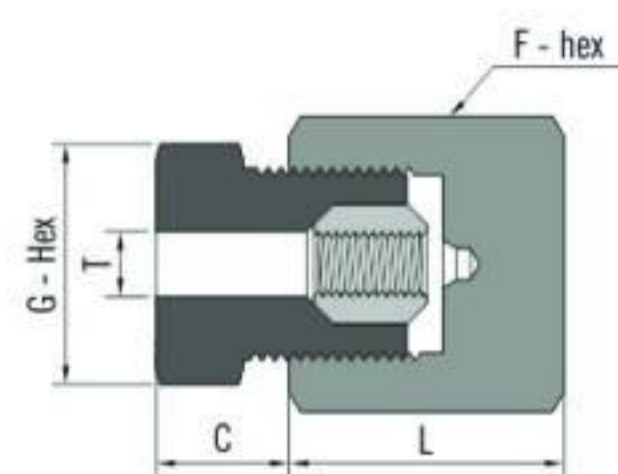
T-Tube O.D. (in.)	Ordering Number	Dimensions, in (mm)				
		L	C	D	G	F
1/4	SS-SU-60S4	1.38 (34.9)	0.50 (12.7)	0.09 (2.3)	0.63 (15.9)	0.75 (19.1)
3/8	SS-SU-60S6	1.75 (44.5)	0.53 (13.5)	0.13 (3.3)	0.81 (20.6)	1.00 (25.4)
9/16	SS-SU-60S9	2.19 (55.6)	0.81 (20.6)	0.19 (4.8)	1.19 (30.2)	1.38 (34.9)

Bulkhead Couplings



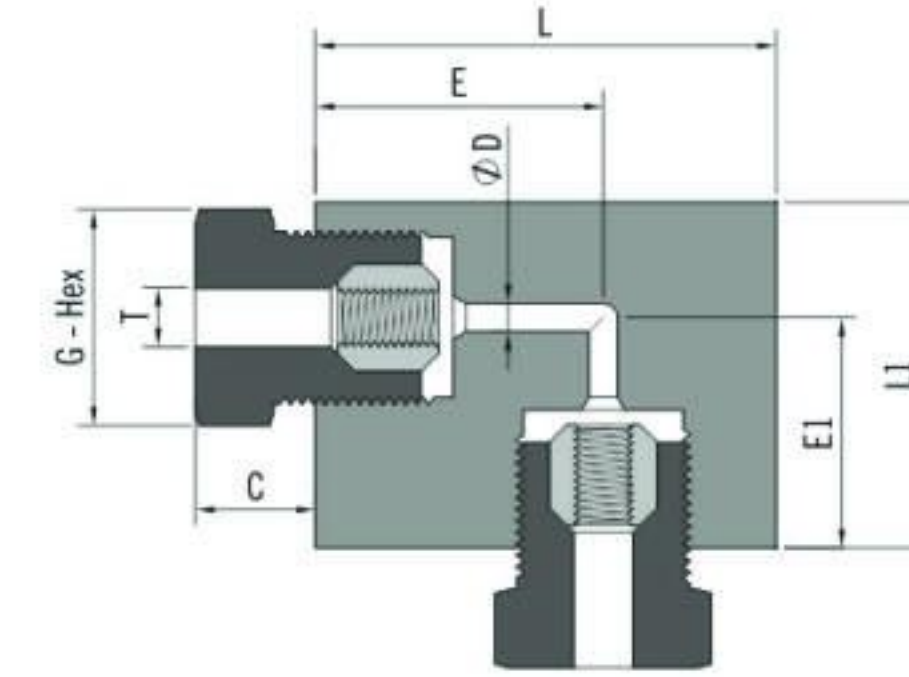
T-Tube O.D. (in.)	Ordering Number	Dimensions, in (mm)						
		L	C	D	G	F	Panel Hole Size	Max. Panel Thickness
1/4	SS-BU-60S4	1.88 (47.8)	0.50 (12.7)	0.09 (2.3)	0.63 (15.9)	1.06 (27.0)	0.94 (23.8)	0.38 (9.7)
3/8	SS-BU-60S6	2.38 (60.5)	0.53 (13.5)	0.13 (3.3)	0.81 (20.6)	1.38 (34.9)	1.13 (28.6)	0.38 (9.7)
9/16	SS-BU-60S9	2.75 (69.7)	0.81 (20.6)	0.19 (4.8)	1.19 (30.2)	1.88 (47.6)	1.69 (42.9)	0.38 (9.7)

Caps



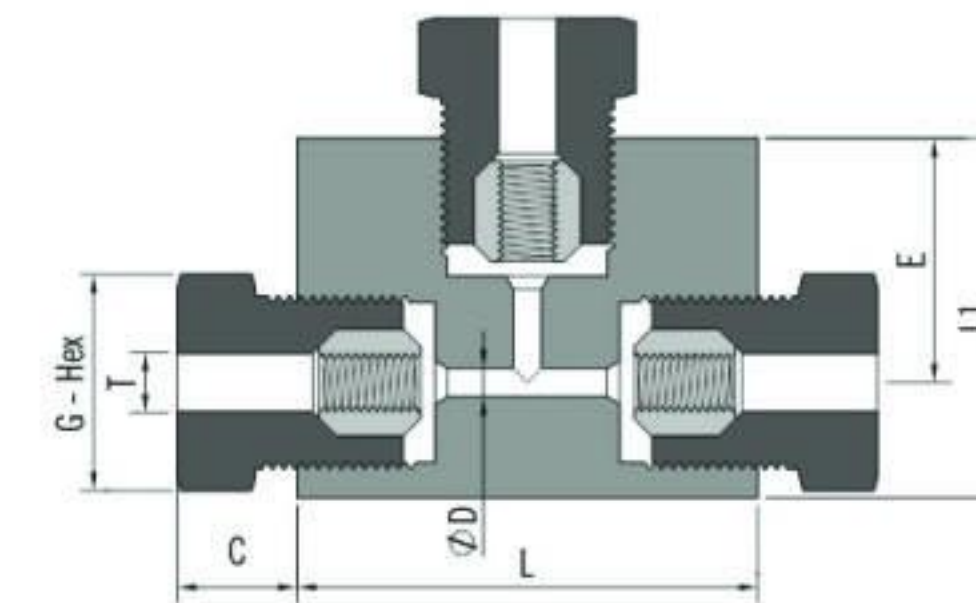
T-Tube O.D. (in.)	Ordering Number	Dimensions, in (mm)			
		L	C	G	F
1/4	SS-TC-60S4	1.00 (25.4)	0.50 (12.7)	0.63 (15.9)	0.75 (19.1)
3/8	SS-TC-60S6	1.50 (38.1)	0.53 (13.5)	0.81 (20.6)	1.00 (25.4)
9/16	SS-TC-60S9	1.75 (44.5)	0.81 (20.6)	1.19 (30.2)	1.38 (34.9)

Elbows



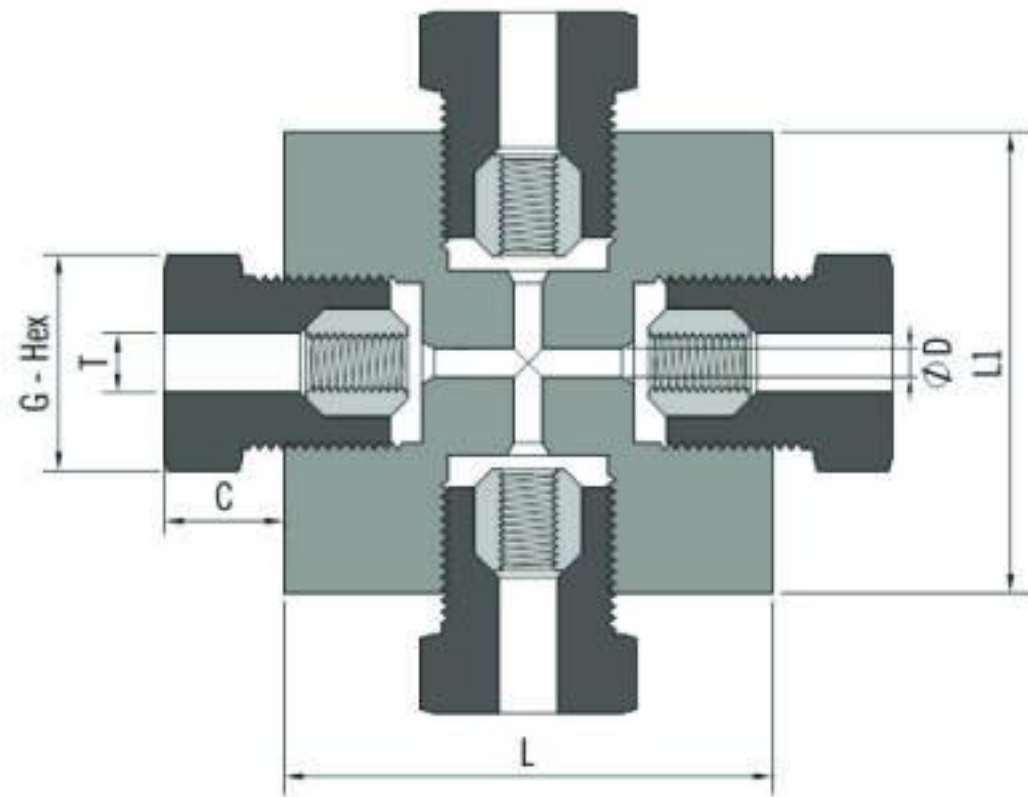
T-Tube O.D. (in.)	Ordering Number	Dimensions, in (mm)							
		C	D	G	L	E	L1	E1	Thickness
1/4	SS-LU-60S4	0.50 (12.7)	0.09 (2.3)	0.63 (15.9)	1.50 (38.1)	0.88 (22.4)	1.00 (25.4)	0.62 (15.7)	0.75 (19.1)
3/8	SS-LU-60S6	0.53 (13.5)	0.13 (3.3)	0.81 (20.6)	2.00 (50.8)	1.25 (31.8)	1.50 (38.1)	1.00 (25.4)	1.00 (25.4)
9/16	SS-LU-60S9	0.81 (20.6)	0.19 (4.8)	1.19 (30.2)	2.62 (66.5)	1.88 (47.8)	1.88 (47.8)	1.12 (28.4)	1.50 (38.1)

Tees



T-Tube O.D. (in.)	Ordering Number	Dimensions, in (mm)						
		C	D	G	L	L1	E	Thickness
1/4	SS-TTT-60S4	0.50 (12.7)	0.09 (2.3)	0.63 (15.9)	2.00 (50.8)	1.25 (31.8)	0.88 (22.4)	0.75 (19.1)
3/8	SS-TTT-60S6	0.53 (13.5)	0.13 (3.3)	0.81 (20.6)	2.00 (50.8)	1.56 (39.6)	1.06 (26.9)	1.00 (25.4)
9/16	SS-TTT-60S9	0.81 (20.6)	0.19 (4.8)	1.19 (30.2)	2.62 (66.5)	2.12 (53.8)	1.38 (35.0)	1.50 (38.1)

Crosses

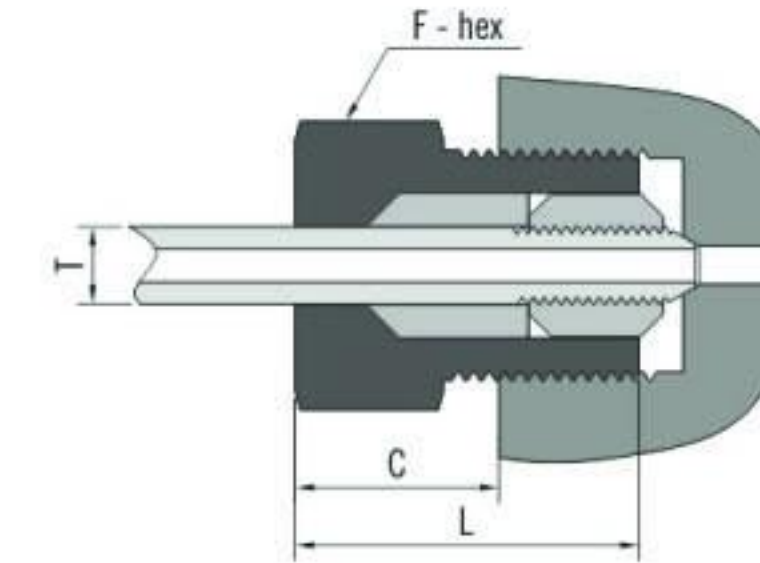


T-Tube O.D. (in.)	Ordering Number	Dimensions, in (mm)					
		C	D	G	L	L1	Thickness
1/4	SS-C-60S4	0.50 (12.7)	0.09 (2.3)	0.63 (15.9)	2.00 (50.8)	1.25 (31.8)	0.75 (19.1)
3/8	SS-C-60S6	0.53 (13.5)	0.13 (3.3)	0.81 (20.6)	2.00 (50.8)	2.12 (53.8)	1.00 (25.4)
9/16	SS-C-60S9	0.81 (20.6)	0.19 (4.8)	1.19 (30.2)	2.62 (66.5)	2.75 (69.9)	1.50 (38.1)

Anti-Vibration Gland Assemblies

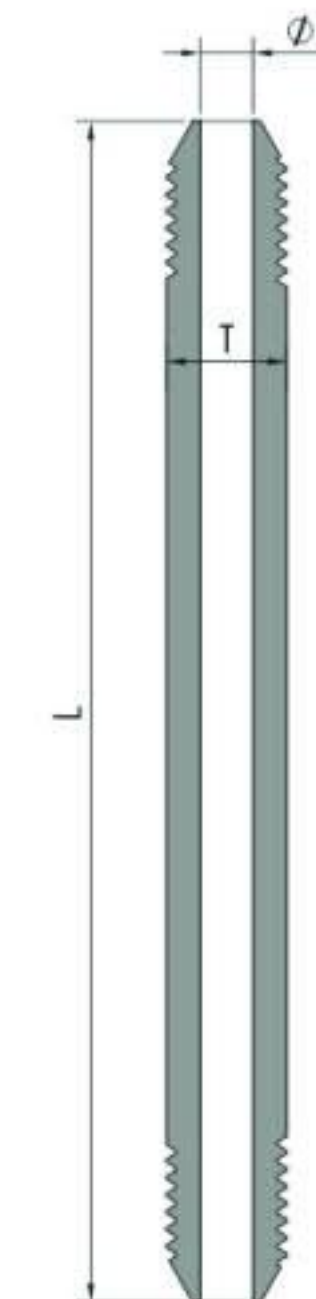
The extreme vibration or shock, such as mobile pressure systems or long tubing runs culminating at a compressor that the tubing systems are subjected to, will be prevented by using C-LOK Anti-Vibration Gland Assemblies. These assemblies use the same reliable connection geometries as the standard C-LOK fittings, with the added advantage of essentially unlimited vibrational fatigue life.

A coned and threaded tube, when subjected to unusual or excessive vibration, may fail prematurely and break at the last thread. C-LOK Anti-Vibration Gland Assembly acts to move the fulcrum of vibration away from the threaded part of the tube and onto the strong, solid wall of the tubing. A wedge-like collet firmly holds the assembly in place, virtually eliminating premature tubing failure while reliably maintaining a leakage-free connection between the tube and the connection seat.



T-Tube O.D. (in.)	Ordering Number	Dimensions, in (mm)		
		L	G	F
1/4	SS-AVGA-60S4	0.81 (20.6)	0.50 (12.7)	0.63 (15.9)
3/8	SS-AVGA-60S6	1.12 (28.4)	0.62 (15.7)	0.81 (20.6)
9/16	SS-AVGA-60S9	1.50 (38.1)	1.00 (25.4)	1.19 (30.2)

Coned and Threaded Nipples



T-Tube O.D. (in.)	Tx-Tube I.D. (in.)	Ordering Number	L in (mm)
1/4	0.083	SS-CTN-60S4-2.75	2.75 (69.9)
1/4	0.083	SS-CTN-60S4-3	3 (76.2)
1/4	0.083	SS-CTN-60S4-4	4 (101.6)
1/4	0.083	SS-CTN-60S4-6	6 (152.4)
1/4	0.083	SS-CTN-60S4-8	8 (203.2)
1/4	0.083	SS-CTN-60S4-10	10 (254.0)
1/4	0.083	SS-CTN-60S4-12	12 (304.8)
3/8	0.125	SS-CTN-60S6-3	3 (76.2)
3/8	0.125	SS-CTN-60S6-4	4 (101.6)
3/8	0.125	SS-CTN-60S6-6	6 (152.4)
3/8	0.125	SS-CTN-60S6-8	8 (203.2)
3/8	0.125	SS-CTN-60S6-10	10 (254.0)
3/8	0.125	SS-CTN-60S6-12	12 (304.8)
9/16	0.188	SS-CTN-60S9-4	4 (101.6)
9/16	0.188	SS-CTN-60S9-6	6 (152.4)
9/16	0.188	SS-CTN-60S9-8	8 (203.2)
9/16	0.188	SS-CTN-60S9-10	10 (254.0)
9/16	0.188	SS-CTN-60S9-12	12 (304.8)

60 Series Tube Fittings

60 Series Tubing

- Work pressure: 60000 psi (4137 bar).
- 316 and 304 stainless steel are standard material. Other materials are available upon request.
- Material, size, and heat code are indicated on the tubing surface.

T-Tube O.D. (in.)	Tx-Tube I.D. (in.)	Material	Basic Ordering Number	Tolerance O.D. in. (mm)
1/4	0.083	316 SS	SS-HT-60S4-	0.248/0.243 (6.30/6.17)
1/4	0.083	304 SS	S4-HT-60S4-	0.248/0.243 (6.30/6.17)
3/8	0.125	316 SS	SS-HT-60S6-	0.370/0.365 (9.40/9.27)
3/8	0.125	304 SS	S4-HT-60S6-	0.370/0.365 (9.40/9.27)
9/16	0.188	316 SS	SS-HT-60S9-	0.557/0.552 (14.15/14.02)
9/16	0.188	304 SS	S4-HT-60S9-	0.557/0.552 (14.15/14.02)

Add the actual foot (feet)/meter (meters) as a suffix to the basic ordering number to get the complete ordering number.

For example:

1. 10 feet length, O.D. is 1/4", I.D. is 0.083", 316 SS 60 Series tube, the complete ordering number is: SS-HT-60S4-10.
2. 3 meters length, O.D. is 9/16", I.D. is 0.188", 304 SS 60 Series tube, the complete ordering number is: S4-HT-60S9-3M.