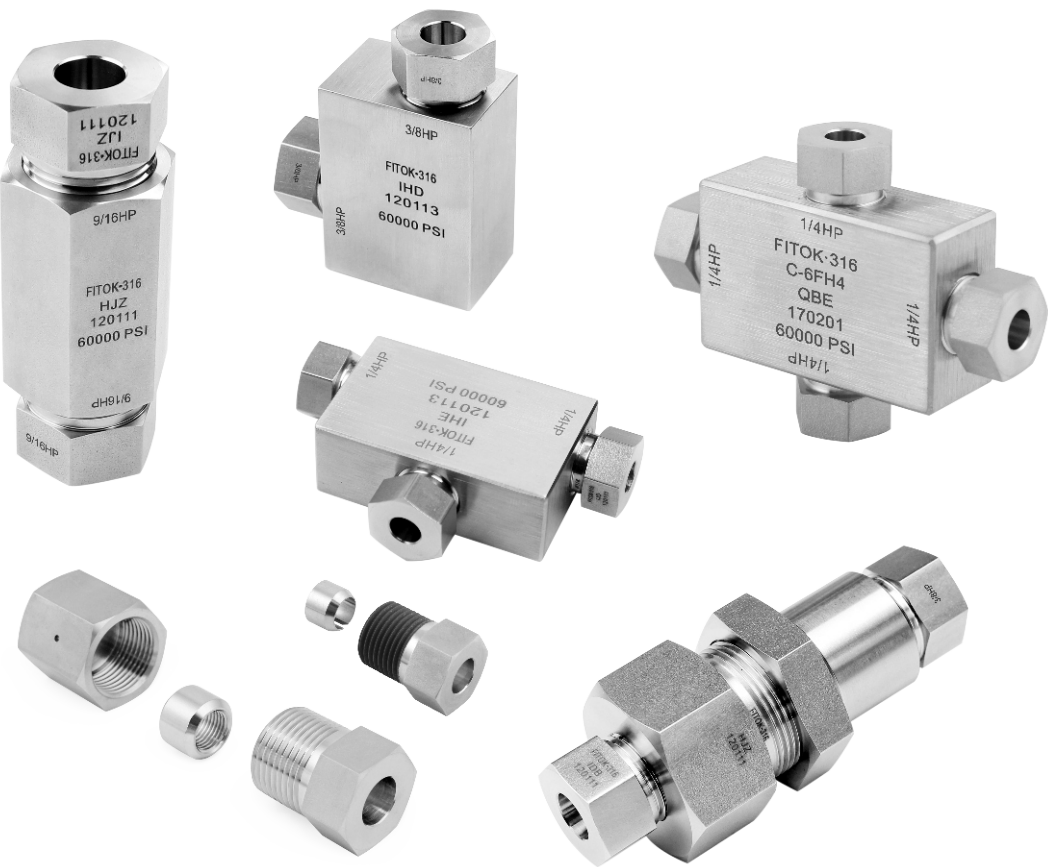


60H Series High Pressure Fittings

60,000 psig (4137 bar)



Fittings	Tubing	Quick Couplings	Line Filters	Valves	Sour Service Products	Subsea Valves	Part Number Crossover Charts
----------	--------	-----------------	--------------	--------	-----------------------	---------------	------------------------------

Contents

Glands - HG



A-32

[Installation Instructions](#)

A-112

Collars - HCO



A-32

[Connection Information](#)

A-02

Plugs - HTP



A-32

[Ordering Number Description](#)

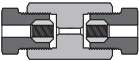
A-36

Caps - HTC



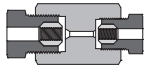
A-33

Unions - HU



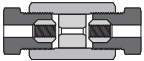
A-33

Reducing Unions - HU



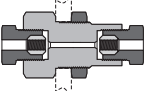
A-33

Unions (Slip Type) - HSU



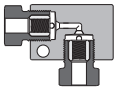
A-33

Bulkhead Unions - HBU



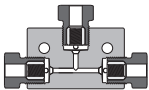
A-34

Union Elbows - HLU



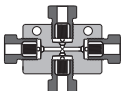
A-34

Union Tees - HT



A-35

Union Crosses - HX



A-35

Anti-vibration Gland Assemblies - HAV

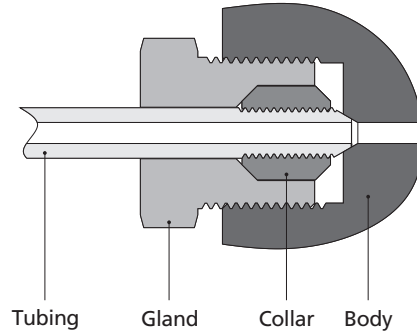


A-36

Features

- Working pressure: 60,000 psig (4137 bar)
- Working temperature range: -423°F to 1200°F (-252°C to 649°C)
- Use with T60H series tubing as standard, tubing sizes available in 1/4", 3/8" and 9/16"
- High tensile 316 stainless steel material
- Every fitting marked with size, material and trace ID

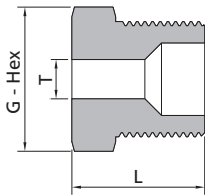
Construction



Ordering Information and Dimensions

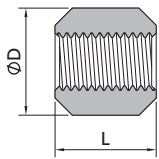
Dimensions are for reference only and are subject to change.

Glands



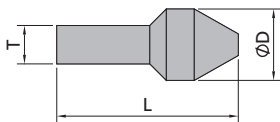
Tube			
T - Tube O.D. in.	Ordering Number	Dimensions, in. (mm)	
		G	L
1/4	SS-HG-HF4	0.63 (15.9)	0.82 (20.8)
3/8	SS-HG-HF6	0.81 (20.6)	1.13 (28.7)
9/16	SS-HG-HF9	1.19 (30.2)	1.50 (38.1)

Collars



Tube			
T - Tube O.D. in.	Ordering Number	Dimensions, in. (mm)	
		D	L
1/4	SS-HCO-HF4	0.38 (9.6)	0.38 (9.6)
3/8	SS-HCO-HF6	0.50 (12.7)	0.54 (13.7)
9/16	SS-HCO-HF9	0.81 (20.6)	0.62 (15.8)

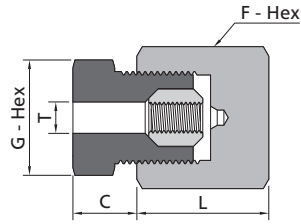
Plugs^①



Tube			
T - Tube O.D. in.	Ordering Number	Dimensions, in. (mm)	
		D	L
1/4	SS-HTP-HF4	0.38 (9.6)	1.04 (26.4)
3/8	SS-HTP-HF6	0.50 (12.7)	1.35 (34.3)
9/16	SS-HTP-HF9	0.81 (20.6)	1.89 (48.0)

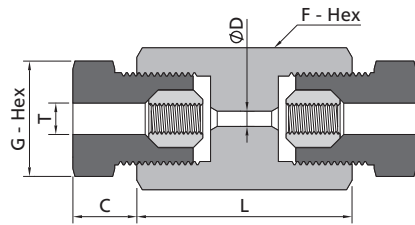
^① When using plug, collar is not required.

Caps



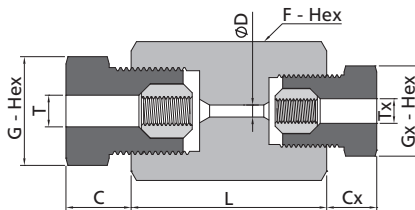
Tube		Dimensions, in. (mm)			
T - Tube O.D. in.	Ordering Number	L	C	G	F
1/4	SS-HTC-HF4	0.75 (19.1)	0.47 (11.9)	0.63 (15.9)	0.75 (19.1)
3/8	SS-HTC-HF6	1.13 (28.6)	0.61 (15.6)	0.81 (20.6)	1.00 (25.4)
9/16	SS-HTC-HF9	1.38 (34.9)	0.95 (24.1)	1.19 (30.2)	1.38 (34.9)

Unions



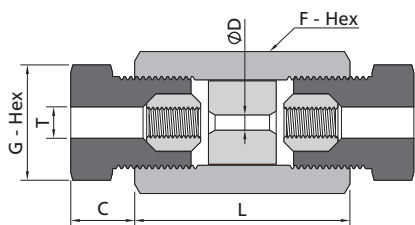
Tube		Dimensions, in. (mm)				
T - Tube O.D. in.	Ordering Number	L	C	D	G	F
1/4	SS-HU-HF4	1.38 (34.9)	0.47 (11.9)	0.09 (2.4)	0.63 (15.9)	0.75 (19.1)
3/8	SS-HU-HF6	1.75 (44.5)	0.61 (15.6)	0.13 (3.2)	0.81 (20.6)	1.00 (25.4)
9/16	SS-HU-HF9	2.19 (55.6)	0.95 (24.1)	0.19 (4.8)	1.19 (30.2)	1.38 (34.9)

Reducing Unions



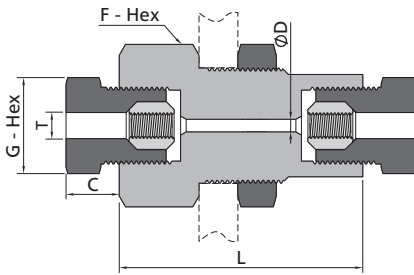
Tube			Dimensions, in. (mm)						
T - Tube O.D. in.	Tx - Tube O.D. in.	Ordering Number	L	C	Cx	D	G	Gx	F
3/8	1/4	SS-HU-HF6-HF4	1.63 (41.3)	0.61 (15.6)	0.47 (11.9)	0.09 (2.4)	0.81 (20.6)	0.63 (15.9)	1.00 (25.4)
9/16	1/4	SS-HU-HF9-HF4	1.75 (44.5)	0.95 (24.1)	0.47 (11.9)	0.09 (2.4)	1.19 (30.2)	0.63 (15.9)	1.38 (34.9)
9/16	3/8	SS-HU-HF9-HF6	2.00 (50.8)	0.95 (24.1)	0.61 (15.6)	0.13 (3.2)	1.19 (30.2)	0.81 (20.6)	1.38 (34.9)

Unions (Slip Type)



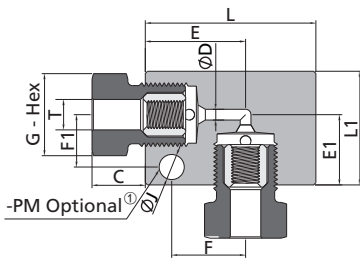
Tube		Dimensions, in. (mm)				
T - Tube O.D. in.	Ordering Number	L	C	D	G	F
1/4	SS-HSU-HF4	1.38 (34.9)	0.47 (11.9)	0.09 (2.4)	0.63 (15.9)	0.75 (19.1)
3/8	SS-HSU-HF6	1.75 (44.5)	0.61 (15.6)	0.13 (3.2)	0.81 (20.6)	1.00 (25.4)
9/16	SS-HSU-HF9	2.19 (55.6)	0.95 (24.1)	0.19 (4.8)	1.19 (30.2)	1.38 (34.9)

Bulkhead Unions



Tube								
T - Tube O.D. in.	Ordering Number	Dimensions, in. (mm)						
		L	C	D	G	F	Panel Hole Size	Max. Panel Thickness
1/4	SS-HBU-HF4	1.88 (47.8)	0.47 (11.9)	0.09 (2.4)	0.63 (15.9)	1.06 (27.0)	0.94 (23.9)	0.38 (9.7)
3/8	SS-HBU-HF6	2.38 (60.5)	0.61 (15.6)	0.13 (3.2)	0.81 (20.6)	1.38 (34.9)	1.13 (28.6)	0.38 (9.7)
9/16	SS-HBU-HF9	2.75 (69.9)	0.95 (24.1)	0.19 (4.8)	1.19 (30.2)	1.88 (47.6)	1.69 (42.9)	0.38 (9.7)

Union Elbows



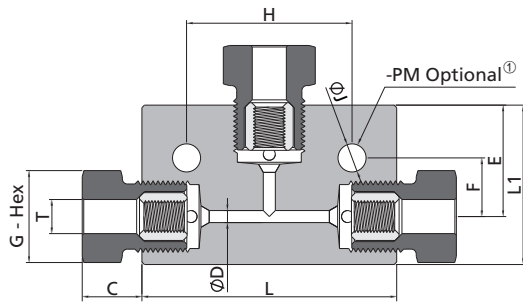
Tube 管							
T - Tube O.D. in.	Ordering Number	Dimensions, in. (mm)					
		C	D	G	L	E	L1
1/4	SS-HLU-HF4	0.47 (11.9)	0.09 (2.4)	0.63 (15.9)	1.50 (38.1)	0.88 (22.4)	1.00 (25.4)
3/8	SS-HLU-HF6	0.61 (15.6)	0.13 (3.2)	0.81 (20.6)	2.00 (50.8)	1.25 (31.8)	1.50 (38.1)
9/16	SS-HLU-HF9	0.95 (24.1)	0.19 (4.8)	1.19 (30.2)	2.62 (66.5)	1.88 (47.8)	1.88 (47.8)

T - Tube O.D. in.	Ordering Number	Dimensions, in. (mm)				
		E1	F ^②	F1 ^②	J ^②	Thickness
1/4	SS-HLU-HF4	0.62 (15.7)	0.65 (16.5)	0.46 (11.7)	0.22 (5.6)	0.75 (19.1)
3/8	SS-HLU-HF6	1.00 (25.4)	0.69 (17.5)	0.72 (18.3)	0.26 (6.6)	1.00 (25.4)
9/16	SS-HLU-HF9	1.12 (28.4)	0.94 (24.0)	0.83 (21.1)	0.33 (8.4)	1.50 (38.1)

① To order a fitting with a mounting hole, add "-PM" to ordering number.

② Applicable only to "-PM" models.

Union Tees



Tube

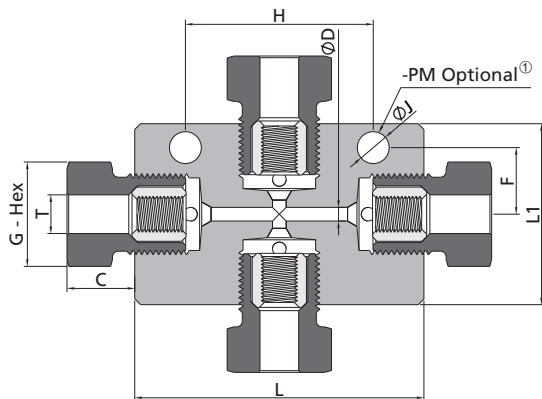
T - Tube O.D. in.	Ordering Number	Dimensions, in. (mm)				
		C	D	G	L	L1
1/4	SS-HT-HF4	0.47 (11.9)	0.09 (2.4)	0.63 (15.9)	2.00 (50.8)	1.25 (31.8)
3/8	SS-HT-HF6	0.61 (15.6)	0.13 (3.2)	0.81 (20.6)	2.00 (50.8)	1.56 (39.6)
9/16	SS-HT-HF9	0.95 (24.1)	0.19 (4.8)	1.19 (30.2)	2.62 (66.5)	2.12 (53.8)

T - Tube O.D. in.	Ordering Number	Dimensions, in. (mm)				
		E	F ^②	H ^②	J ^②	Thickness
1/4	SS-HT-HF4	0.88 (22.4)	0.46 (11.7)	1.30 (33.0)	0.22 (5.6)	0.75 (19.1)
3/8	SS-HT-HF6	1.06 (26.9)	0.72 (18.3)	1.38 (35.0)	0.26 (6.6)	1.00 (25.4)
9/16	SS-HT-HF9	1.38 (35.0)	0.83 (21.1)	1.89 (48.0)	0.33 (8.4)	1.50 (38.1)

① To order a fitting with a mounting hole, add "-PM" to ordering number.

② Applicable only to "-PM" models.

Union Crosses



Tube

T - Tube O.D. in.	Ordering Number	Dimensions, in. (mm)								
		C	D	G	L	L1	F ^②	H ^②	J ^②	Thickness
1/4	SS-HX-HF4	0.47 (11.9)	0.09 (2.4)	0.63 (15.9)	2.00 (50.8)	1.25 (31.8)	0.46 (11.7)	1.30 (33.0)	0.22 (5.6)	0.75 (19.1)
3/8	SS-HX-HF6	0.61 (15.6)	0.13 (3.2)	0.81 (20.6)	2.00 (50.8)	2.12 (53.8)	0.72 (18.3)	1.38 (35.0)	0.26 (6.6)	1.00 (25.4)
9/16	SS-HX-HF9	0.95 (24.1)	0.19 (4.8)	1.19 (30.2)	2.62 (66.5)	2.75 (69.9)	0.83 (21.1)	1.89 (48.0)	0.33 (8.4)	1.50 (38.1)

① To order a fitting with a mounting hole, add "-PM" to ordering number.

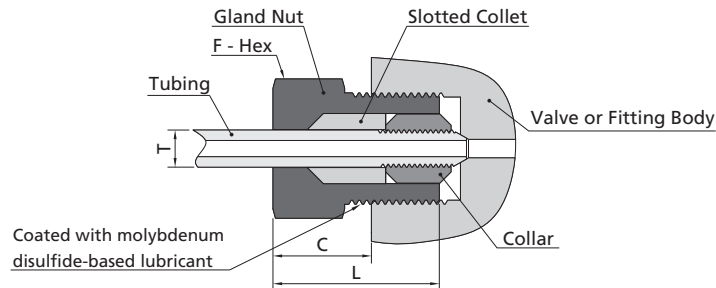
② Applicable only to "-PM" models.

Anti-Vibration Gland Assemblies

Working pressure: 60,000 psig (4137 bar)

Tubing systems may be subject to extreme vibration or shock. In such applications, these assemblies provide the same reliable connection as standard FITOK glands to essentially prolong vibrational fatigue life.

A complete ordering number for anti-vibration gland assembly (for example: SS-HAV-HF4) includes gland nut and slotted collet. To order components with anti-vibration gland assemblies, add "-AV" to ordering number.



Tube					
Anti-vibration Gland Assemblies	T - Tube O.D. in.	Ordering Number	Dimensions, in. (mm)		
			L	C	F
	1/4	SS-HAV-HF4	0.81 (20.6)	0.47 (11.9)	0.63 (15.9)
	3/8	SS-HAV-HF6	1.12 (28.4)	0.61 (15.6)	0.81 (20.6)
	9/16	SS-HAV-HF9	1.50 (38.1)	0.95 (24.1)	1.19 (30.2)

Installation Instructions

Please see A-112.

Connection Information

Please see A-02.

Ordering Number Description

Material		Fitting Type		P1 Type	P1 Size	P2, P3 and P4	Mounting Hole
SS	316 SS	HG	Gland	HF	Female High Pressure	4 1/4"	None
		HCO	Collar			6 3/8"	PM
		HTP	Plug			9 9/16"	Mounting Hole (For elbows, tees, and crosses only)
		HTC	Cap				
		HU	Union or Reducing Union				
		HSU	Union (Slip Type)				
		HBU	Bulkhead Union				
		HLU	Union Elbow				
		HT	Union Tee				
		HX	Union Cross				
		HAV	Anti-vibration Gland Assembly				

SS - HU - HF6 - ☐ - ☐ - ☐ - PM - AV	
Material	SS
Fitting Type	HU
P1 Type	HF
P1 Size	6
P2, P3 and P4	Specified in the same way as the P1
Mounting Hole	PM
Anti-vibration Gland	
AV	

Notes: 1. For more details regarding High Pressure connection, please see **Connection Information** on A-02.

2. "Ordering Number Description" is a reference to understand the combination rules of FITOK product part number. Not all combinations are available.