

INSTRUMENT
MANUAL SELECTING

YT-LOK

CONFIGURATION MANUAL

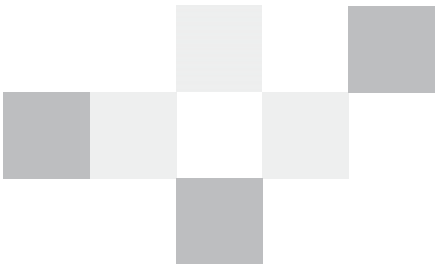


YSMT INSEMOUNT
YT-LOK

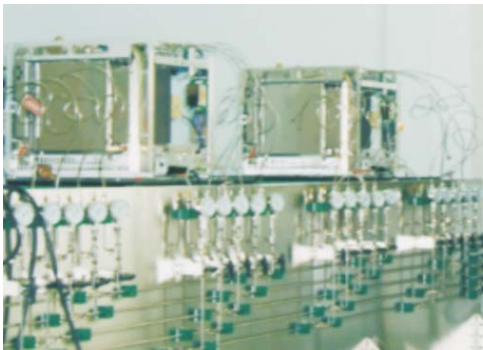
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WENZHOU INSEMOUNT AUTOMATION INSTRUMENTATION CO., LTD.

Wide Application Fields



Offshore Oil Industry



Analytical Instrumentation



Steam Turbine



Gas Industry



Petrochemical



Coal Chemical Industry



Electricity Industry

YT-LOK

YT-LOK rising brand, a partner you can trusted,
with professional standards,
to provide you with a better choice.



Advanced Manufacturing Equipment



Advanced Examining Equipment



Advanced Testing Equipment

Excellent Quality Assurance



Professional Team



Excellence Attitude

THE FEATURES OF YT-LOK FITTINGS

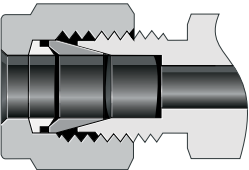
YT-LOK fittings are produced by a high precision design and the best processing technology, complied with industry standards.They have good changeability and Excellent quality, and can meet the requirements of petrochemical, electricity industry, offshore oil industry, steam turbine, gas industry and analytical instrumentation, Variety of materials available for these fittings. Used materials are as follows.

Material	Bar stock	Forgings
316 Stainless Steel	ASTM A276, ASME SA479, EN 1.4401	ASTM A182, ASME SA182, EN 1.4401
Alloy 20	ASTM B473	ASTM B462
Alloy 400	ASTM B164	ASTM B564, ASME SB564
Alloy 600	ASTM B166, ASME SB166	ASTM B564, ASME SB564
Alloy 625	ASTM B446	ASTM B564, ASME SB564
Alloy C-276	ASTM B574	ASTM B564
Aluminum	ASTM B211	ASTM B247
Brass	ASTM B16, ASTM B453	ASTM B283
Carbon steel	ASTM A108	—
Titanium(grade 4)	ASTM B348	ASTM B381

Variety Of End Connections, Details Are As Follows

1、YT-LOK Tube Ends

Tube fittings with YT-LOK double ferrule are consists of 4 precision parts, fitting body, rear ferrule, front ferrule and nut. Sizes range from 1/16" to 2" and 2 mm to 38 mm. Can be connected directly with tubing. No torque is transmitted to tubing during installation. Easy to install. Reliable sealing. And can be repeatedly installed. The allowable working pressure of the tube fitting is rated to the Maximum working pressure of the tubing, which can be found in following tables.



YT-LOK Designator	Tube OD	Nominal Wall Thickness, in.															
		0.010	0.012	0.014	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
		Working Pressure, psig For gas service, select a tube thickness outside of the shaded area															
YT1	1/16"	5600	6800	8100	9400	12000											
YT2	1/8"						8500	10900									
YT3	3/16"						5400	7000	10200								
YT4	1/4"						4000	5100	7500	10200							
YT5	5/16"							4000	5800	8000							
YT6	3/8"							3300	4800	6500	7500						
YT8	1/2"							2600	3700	5100	6700						
YT10	5/8"								2900	4000	5200	6000					
YT12	3/4"								2400	3300	4200	4900	5800				
YT14	7/8"								2000	2800	3600	4200	4800				
YT16	1"									2400	3100	3600	4200	4700			
YT20	1 1/4"										2400	2800	3300	3600	4100	4900	
YT24	1 1/2"											2300	2700	3000	3400	4000	4900
YT32	2"												2000	2200	2500	2900	3600

YT-LOK Designator	Tube OD	Nominal Wall Thickness, mm													
		0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	2.8	3.0	3.5	4.0	4.5	5.0
		Working Pressure, bar For gas service, select a tube thickness outside of the shaded area													
YT3M	3mm	670													
YT6M	6mm	310	420	540	710										
YT8M	8mm		310	390	520										
YT10M	10mm		240	300	400	510	580								
YT12M	12mm		200	250	330	410	470								
YT14M	14mm		160	200	270	340	380	430							
YT15M	15mm		150	190	250	310	360	400							
YT16M	16mm			170	230	290	330	370	400						
YT18M	18mm			150	200	260	290	320	370						
YT20M	20mm			140	180	230	260	290	330	380					
YT22M	22mm			140	160	200	230	260	300	340					
YT25M	25mm					180	200	230	260	290	320				
YT28M	28mm						180	200	230	260	280	330			
YT30M	30mm						170	180	210	240	260	310			
YT32M	32mm						160	170	200	220	240	290	330		
YT38M	38mm							140	160	190	200	240	270	310	
YT50M	50mm										150	180	210	240	270

2、Tube Adapters

Tube adapter ends can be connected directly with tube fittings.Easy to install, Reliable sealing.Installation angle Can be controlled.it is often difficult to align the fitting with the desired run, Such as elbows with threaded ends, see Figure 1; YT-LOK tube adapter can easily solve the alignment problem, see Figure 2 and Figure 3.



3、NPT Threads

Comply with ASME B1.20.1. Threads finished with smooth surface, have improved sealing performance.reducing friction when installed, the pressure capability of YT-LOK NPT thread ends can be found in Following table.

4、ISO Tapered Threads

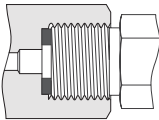
Comply with ISO-7.Threads finished with smooth surface, have improved sealing performance.reducing friction when installed, the pressure capability of YT-LOK ISO tapered thread ends can be found in Following table.

NPT/ISO Pipe Size	316 SS and Carbo Steel				Brass			
	Male		Female		Male		Female	
	psig	bar	psig	bar	psig	bar	psig	bar
1/16	11000	760	6700	460	5500	380	3300	230
1/8	10000	690	6500	440	5000	340	3200	220
1/4	8000	550	6600	450	40000	270	3300	220
3/8	7800	540	5300	360	3900	270	2600	180
1/2	7700	530	4900	330	3800	260	2400	160
3/4	7300	500	4600	320	3600	250	2300	160
1	5300	370	4400	300	2600	180	2200	150
1 1/4	6000	410	5000	350	3000	200	2500	170
1 1/2	5000	340	4600	310	2500	170	2300	150
2	3900	270	3900	270	1900	130	1900	130

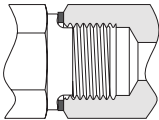
5、ISO Parallel Threads

Comply with ISO 228-1, Sealing methods as following

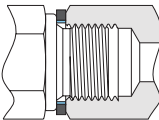
Sealing with a gasket at the female thread root, for YT-LOK PP port as following



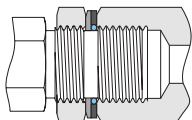
Sealing with a metal gasket at the male thread root, for YT-LOK PPG port as following



Sealing with a GR gasket at the male thread root. the male thread as YT-LOK PPR port, the female thread as YT-LOK PPG port.



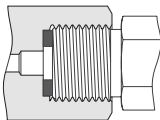
Positionable ends with O-ring sealing. the male thread as YT-LOK PPA port, the female thread as YT-LOK PPG port.



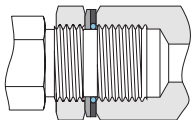
6、Metric Threads

Comply with ASME B1.13, Sealing methods as following

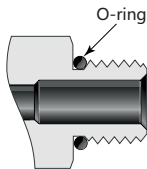
Sealing with a gasket at the female thread root, for YT-LOK MS port as following



Positionable ends with O-ring sealing,the male thread as YT-LOK MSA port, the female thread as YT-LOK MSR port.



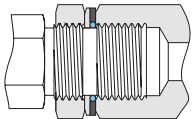
Sealing with O-ring at the male thread root, for YT-LOK MSR port as following



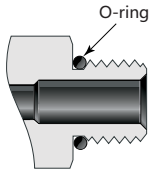
7、SAE Threads

Comply with ASME B1.1, Sealing methods as following

Positionable ends with O-ring sealing.the male thread as YT-LOK UNA port, the female thread as YT-LOK UNR port.



Sealing with O-ring at the male thread root, for YT-LOK UNR port as following



8、Butt Welding

YT-LOK BW port. Sizes range from NPS1/8 to NPS2 for Pipe and 1/8"to 2"for Tube. Comply with ASME B16.25 and working pressure according to ASME B31.3.

9、Socket Welding

YT-LOK SW port. Sizes range from NPS1/8 to NPS2 for Pipe and 1/8"to 2"for Tube. Comply with ASME B16.11.

YT-LOK

Selection Contents

- A Straight Connectors
- B Bulkhead Connectors
- C Detachable Connectors
- D 90° Elbows
- E 45° Elbows
- F Tees
- G Crosses
- H Hose Connectors
- I Others



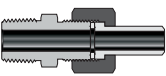
Straight Connectors

Tube Fitting Unions		9	Male NPT Threads to Male ISO Tapered Threads		31
Tube Ends to Tube Adapters		12	Male NPT Threads to Female ISO Tapered Threads		31
Tube Ends to Male NPT Threads		14	Male NPT Threads to Male ISO Parallel Threads(PPR)		31
Tube Ends to Female NPT Threads		16	Male NPT Threads to Male SAE Threads		32
Tube Ends to Male ISO Tapered Threads		17	Male NPT Threads to Tube Socket Welding		32
Tube Ends to Female ISO Tapered Threads		18	Female NPT Thread Unions		33
Tube Ends to Male ISO Parallel Threads(PPR)		19	Female NPT Threads to Male ISO Tapered Threads		34
Tube Ends to Female ISO Parallel Threads(PP)		20	Female NPT Threads to Male ISO Parallel Threads(PPR)		34
Tube Ends to Female ISO Parallel Threads(PPG)		21	Female NPT Threads to Male SAE Threads		35
Tube Ends to Male SAE Threads		21	Female NPT Threads to Tube Socket Welding		35
Tube Ends to Pipe Butt Welding		22	Male ISO Tapered Thread Unions		36
Tube Adapters to Male NPT Threads		23	Male ISO Tapered Threads to Female ISO Tapered Threads		36
Tube Adapters to Male ISO Tapered Threads		24	Female ISO Tapered Thread Unions		37
Tube Adapters to Male ISO Parallel Threads(PPR)		25	Male SAE Threads to Female SAE Threads		37
Tube Adapters to Male ISO Parallel Threads(PPG)		26	Tube Butt Welding Unions		38
Tube Adapters to Female ISO Parallel Threads(PPG)		26	Pipe Butt Welding to Tube Socket Welding		39
Tube Adapters to Female ISO Parallel Threads(PP)		27	Tube Socket Welding Unions		39
Tube Adapters to Male Threads		28	Pipe Socket Welding Unions		40
Male NPT Thread Unions		29			
Male NPT Threads to Female NPT Threads		30			

Bulkhead Connectors

Tube Fitting Bulkhead Unions		42	Tube Ends to Male NPT Threads		43
Tube Ends to Tube Adapters		43	Tube Ends to Female NPT Threads		43

Detachable Connectors

Metal Ball Head Seal Detachable Connectors		45	Gasket Seal Detachable Connectors		45
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90 Elbows

Tube Fitting Elbows		48	Male NPT Thread Elbows		55
Tube Ends to Tube Adapters		48	Male&Female NPT thread Elbows		55
Tube Ends to Male NPT Threads		49	Male NPT Threads to Tube Socket Welding		56
Tube Ends to Female NPT Threads		51	Female NPT Thread Elbows		56
Tube Ends to Male ISO Tapered Threads		52	Female ISO Tapered Thread Elbows		56
Tube Ends to Positionable ISO Parallel Threads (PPA)		53	Female NPT Threads to Tube Socket Welding		57
Tube Ends to Positionable SAE Threads(UNA)		54	Tube Butt Welding Elbows		57
Tube Ends to Pipe Butt Welding		54	Tube Socket Welding Elbows		58
Tube Ends to Tube Socket Welding		54			

45 Elbows

Tube Ends to Male NPT Threads		60	Tube Ends to Positionable SAE Threads(UNA)		60
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Tees

Tube Fitting Tees		62	Male&Female NPT Thread Tees		67
Tube Ends to Male NPT Threads		64	Female NPT Threads to Tube Ends		68
Tube Ends to Positionable Run ISO Parallel Threads(PPA)		65	Tube Butt Welding Tees		69
Male NPT Threads to Tube Ends		66	Tube Socket Welding Tees		69
Male NPT Thread Tees		66			

Crosses

Tube Fitting Crosses		71	Tube Butt Welding Crosses		72
Female NPT ThreadCrosses		71	Tube Socket Welding Crosses		72

Hose Connectors

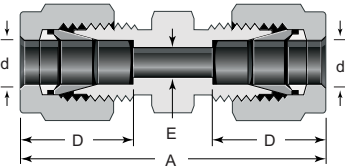
Hose Ends to Tube Ends		74	Hose Ends to Male ISO Tapered Threads		76
Hose Ends to Tube Adapters		74	Hose Ends to Female ISO Tapered Threads		76
Hose Ends to Male NPT Threads		75	Hose Inserts		77
Hose Ends to Female NPT Threads		75	Hose Clamps		77

Others

Ferrule Nuts		79	Tube Plugs		83
Back Ferrules		80	Pipe Plugs		83
Front Ferrules		80	Hollow Hex Plugs		83
Ferrule Sets		81	G Series Gaskets		84
Nut-Ferrule Sets		81	GR Series Gaskets		85
Tube Caps		82	GE Series Gaskets		85
Pipe Caps		82	Stainless Steel Seamless Tubing		86

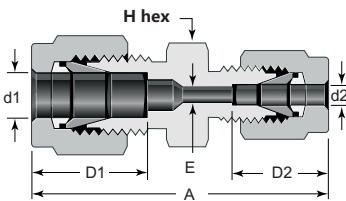
Straight Connectors

Tube Fitting Unions

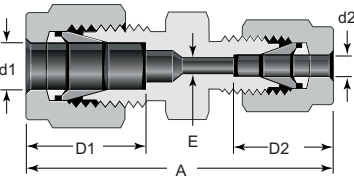


Tube OD	Basic Ordering Number	Dimension, in.		
d		A	D	E
1/16"	-U-YT1	0.99	0.34	0.05
1/8"	-U-YT2	1.4	0.5	0.09
3/16"	-U-YT3	1.47	0.54	0.12
1/4"	-U-YT4	1.61	0.6	0.19
5/16"	-U-YT5	1.69	0.64	0.25
3/8"	-U-YT6	1.77	0.66	0.28
1/2"	-U-YT8	2.02	0.9	0.41
5/8"	-U-YT10	2.05	0.96	0.50
3/4"	-U-YT12	2.11		0.62
7/8"	-U-YT14	2.17	1.02	0.72
1"	-U-YT16	2.55	1.23	0.88
1 1/8"	-U-YT18			0.97
1 1/4"	-U-YT20	3.63	1.62	1.09
1 1/2"	-U-YT24	4.25	1.97	1.34
2"	-U-YT32	5.88	2.66	1.81

Tube OD	Basic Ordering Number	Dimension, mm		
d		A	D	E
2mm	-U-YT2M	35.6	12.9	1.7
3mm	-U-YT3M	35.3		2.4
4mm	-U-YT4M	37.3	13.7	
6mm	-U-YT6M	41	15.3	4.8
8mm	-U-YT8M	43.2	16.2	6.4
10mm	-U-YT10M	46.2	17.2	7.9
12mm	-U-YT12M	51.2	22.8	9.5
14mm	-U-YT14M	52	24.4	11.1
15mm	-U-YT15M			11.9
16mm	-U-YT16M			12.7
18mm	-U-YT18M	53.5	26	15.1
20mm	-U-YT20M	55		15.9
22mm	-U-YT22M		18.3	
25mm	-U-YT25M	65	31.3	21.8
28mm	-U-YT28M	85	36.6	
30mm	-U-YT30M	92.7	39.6	26.2
32mm	-U-YT32M	97.3	42	28.6
38mm	-U-YT38M	114	49.4	33.7
50mm	-U-YT50M	146	65	45.2



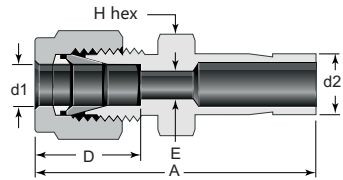
Tube OD		Basic Ordering Number	Dimension, mm				
d1	d2		A	D1	D2	E	H
2mm	1/8"	-U-YT2M-YT2	35.2	12.9	12.8	1.7	12
	1/4"	-U-YT2M-YT4	38.6		15.3		14
3mm	1/8"	-U-YT3M-YT2	35.2	12.9	12.8	2.4	12
4mm	1/8"	-U-YT4M-YT2	36.5	13.7	12.8	2.4	12
	1/4"	-U-YT4M-YT4	39.4		15.3		14
6mm	1/16"	-U-YT6M-YT1	34.3	15.3	8.6	1.3	14
	1/8"	-U-YT6M-YT2	38.3		12.8	2.4	14
	1/4"	-U-YT6M-YT4	41.0		15.3	4.8	14
	5/16"	-U-YT6M-YT5	42.3		16.2	4.8	14
8mm	3/8"	-U-YT6M-YT6	43.2	16.2	16.8	4.8	16
	1/4"	-U-YT8M-YT4	42.3		15.3	4.8	15
	3/8"	-U-YT8M-YT6	44.3		16.9	6.4	16
10mm	1/8"	-U-YT10M-YT2	41.8	17.2	12.8	2.4	18
	1/4"	-U-YT10M-YT4	44.5		15.3	4.8	
	5/16"	-U-YT10M-YT5	45.1		16.2	6.4	
	3/8"	-U-YT10M-YT6	45.9		16.9	7.1	
12mm	1/4"	-U-YT12M-YT4	47.0	22.8	15.3	4.8	22
	5/16"	-U-YT12M-YT5	47.8		16.2	6.4	
	3/8"	-U-YT12M-YT6	48.4		16.9	7.1	
	1/2"	-U-YT12M-YT8	51.2		22.8	9.5	
15mm	1/2"	-U-YT15M-YT8	52	24.4	22.8	10.3	24
16mm	5/8"	-U-YT16M-YT10	52	24.4	24.4	12.7	24
18mm	3/4"	-U-YT18M-YT12	53.5	24.4	24.4	15.1	27
20mm	1/2"	-U-YT20M-YT8	55.0	26	22.8	10.3	30
	1"	-U-YT20M-YT16	62.8		31.3	15.9	35
25mm	1"	-U-YT25M-YT16	65	31.3	31.3	21.8	35



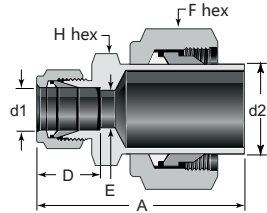
Tube OD		Basic Ordering Number	Dimension, in.			
d1	d2		A	D1	D2	E
1/8"	1/16"	-U-YT2-YT1	1.22	0.5	0.34	0.05
3/16"	1/16"	-U-YT3-YT1	1.27	0.54	0.34	0.05
	1/8"	-U-YT3-YT2	1.44		0.50	0.09
1/4"	1/16"	-U-YT4-YT1	1.35	0.6	0.34	0.05
	1/8"	-U-YT4-YT2	1.52		0.50	0.09
	3/16"	-U-YT4-YT3	1.55		0.54	0.12
5/16"	1/8"	-U-YT5-YT2	1.56	0.64	0.50	0.09
	1/4"	-U-YT5-YT4	1.66		0.60	0.19
3/8"	1/16"	-U-YT6-YT1	1.44	0.66	0.34	0.05
	1/8"	-U-YT6-YT2	1.61		0.50	0.09
	1/4"	-U-YT6-YT4	1.70		0.60	0.19
	5/16"	-U-YT6-YT5	1.74		0.64	0.25
1/2"	1/8"	-U-YT8-YT2	1.78	0.9	0.50	0.09
	1/4"	-U-YT8-YT4	1.85		0.60	0.19
	3/8"	-U-YT8-YT6	1.91		0.66	0.28
5/8"	3/8"	-U-YT10-YT6	1.94	0.96	0.66	0.28
	1/2"	-U-YT10-YT8	2.05		0.90	0.41
3/4"	1/4"	-U-YT12-YT4	1.94	0.96	0.60	0.19
	3/8"	-U-YT12-YT6	2.00		0.66	0.28
	1/2"	-U-YT12-YT8	2.11		0.90	0.41
	5/8"	-U-YT12-YT10	2.11		0.96	0.50
1"	1/2"	-U-YT16-YT8	2.38	1.23	0.90	0.41
	3/4"	-U-YT16-YT12			0.96	0.62

Tube OD		Basic Ordering Number	Dimension, mm			
d1	d2		A	D1	D2	E
3mm	2mm	-U-YT3M-YT2M	35.3	12.9	12.9	1.7
6mm	2mm	-U-YT6M-YT2M	38.6	15.3	12.9	1.7
	3mm	-U-YT6M-YT3M	38.6		12.9	2.4
	4mm	-U-YT6M-YT4M	39.4		13.7	2.4
8mm	6mm	-U-YT8M-YT6M	42.3	16.2	15.3	4.8
10mm	6mm	-U-YT10M-YT6M	44.5	17.2	15.3	4.8
	8mm	-U-YT10M-YT8M	45.1		16.2	6.4
12mm	6mm	-U-YT12M-YT6M	47.0	22.8	15.3	4.8
	8mm	-U-YT12M-YT8M	47.8		16.2	6.4
	10mm	-U-YT12M-YT10M	48.7		17.2	7.9
16mm	10mm	-U-YT16M-YT10M	45.9	24.4	17.2	7.9
	12mm	-U-YT16M-YT12M	52.0		22.8	9.5
18mm	12mm	-U-YT18M-YT12M	53.5	24.4	22.8	9.5
25mm	18mm	-U-YT25M-YT18M	61.0	31.3	24.4	15.1
	20mm	-U-YT25M-YT20M	62.3		26.0	15.9
30mm	18mm	-U-YT30M-YT18M	75.4	39.6	24.4	15.1
	20mm	-U-YT30M-YT20M	75.4		26.0	15.9
	25mm	-U-YT30M-YT25M	80.1		31.3	21.8
32mm	18mm	-U-YT32M-YT18M	77.8	42	24.4	15.1
	20mm	-U-YT32M-YT20M	77.8		26.0	15.9
	25mm	-U-YT32M-YT25M	82.3		31.3	21.8
38mm	20mm	-U-YT38M-YT20M	87.5	49.4	26.0	15.9
	25mm	-U-YT38M-YT25M	92.0		31.3	21.8
	30mm	-U-YT38M-YT30M	105		39.6	26.2

Tube Ends to Tube Adapters



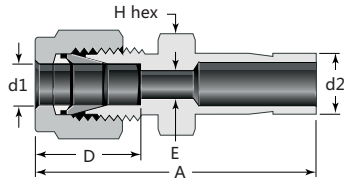
1 in. or 25mm and under



Over 1 in. or 25mm

Tube OD		Basic Ordering Number	Dimension, in.				
d1	d2		A	D	E	H	F
1/16"	1/8"	-U-YT1-OD2	1.15	0.34	0.05	5/16	-
	1/4"	-U-YT1-OD4	1.24				
1/8"	1/16"	-U-YT2-OD1	1.14	0.50	0.03	7/16	-
	1/8"	-U-YT2-OD2	1.32		0.08	7/16	
	3/16"	-U-YT2-OD3	1.35		0.09	7/16	
	1/4"	-U-YT2-OD4	1.42		0.09	7/16	
	3/8"	-U-YT2-OD6	1.48		0.09	7/16	
	1/2"	-U-YT2-OD8	1.74		0.09	9/16	
3/16"	1/8"	-U-YT3-OD2	1.34	0.54	0.08	7/16	-
	1/4"	-U-YT3-OD4	1.46		0.12		
1/4"	1/8"	-U-YT4-OD2	1.45	0.60	0.08	1/2	-
	3/16"	-U-YT4-OD3	1.48		0.12	1/2	
	1/4"	-U-YT4-OD4	1.54		0.17	1/2	
	5/16"	-U-YT4-OD5	1.57		0.19	1/2	
	3/8"	-U-YT4-OD6	1.60		0.19	1/2	
	1/2"	-U-YT4-OD8	1.82		0.19	9/16	
	5/8"	-U-YT4-OD10	1.89		0.19	11/16	
	3/4"	-U-YT4-OD12	1.88		0.19	13/16	
5/16"	3/8"	-U-YT5-OD6	1.65	0.64	0.25	9/16	-
	1/2"	-U-YT5-OD8	1.87				
3/8"	1/4"	-U-YT6-OD4	1.63	0.66	0.17	5/8	-
	3/8"	-U-YT6-OD6	1.70		0.27	5/8	
	1/2"	-U-YT6-OD8	1.91		0.28	5/8	
	5/8"	-U-YT6-OD10	1.98		0.28	11/16	
	3/4"	-U-YT6-OD12	1.98		0.28	13/16	
1/2"	1/4"	-U-YT8-OD4	1.77	0.90	0.17	13/16	-
	3/8"	-U-YT8-OD6	1.84		0.27	13/16	
	1/2"	-U-YT8-OD8	2.06		0.37	13/16	
	5/8"	-U-YT8-OD10	2.12		0.41	13/16	
	3/4"	-U-YT8-OD12	2.12		0.41	1316	
	1"	-U-YT8-OD16	2.37		0.41	1 1/16	
5/8"	3/4"	-U-YT10-OD12	2.15	0.96	0.50	15/16	-
	7/8 "	-U-YT10-OD14	2.21			15/16	
	1"	-U-YT10-OD16	2.40			1 1/16	
3/4"	1/2"	-U-YT12-OD8	2.15	0.96	0.37	1 1/16	-
	1"	-U-YT12-OD16	2.46		0.62		
1"	1 1/4"	-U-YT16-OD20①	3.17	1.23	0.88	1 3/8	1 7/8
	1 1/2"	-U-YT16-OD24①	3.51			1 5/8	2 1/4
	2"	-U-YT16-OD32①	4.43			2 1/8	3
1 1/4"	1 1/2"	-U-YT20-OD24①	4.10	1.62	1.09	1 3/4	2 1/4
	2"	-U-YT20-OD32①	4.93			2 1/8	3
1 1/2"	2"	-U-YT24-OD32①	5.17	1.97	1.34	2 1/8	3

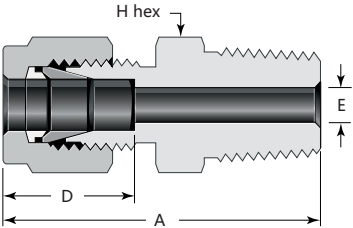
①Furnished with nuts and preswaged ferrules.



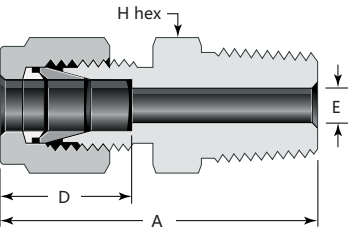
1 in. or 25mm and under

Tube OD		Basic Ordering Number	Dimension, mm			
d1	d2		A	D	E	H
2mm	3mm	-U-YT2M-OD3M	33.5	12.9	1.7	12
3mm	4mm	-U-YT3M-OD4M	35.0	12.9	2.4	12
	6mm	-U-YT3M-OD6M	36.1			12
	10mm	-U-YT3M-OD10M	38.4			14
4mm	6mm	-U-YT4M-OD6M	37.1	13.7	2.4	12
6mm	3mm	-U-YT6M-OD3M	36.9	15.3	1.9	14
	8mm	-U-YT6M-OD8M	39.9		4.8	14
	10mm	-U-YT6M-OD10M	40.7		4.8	14
	12mm	-U-YT6M-OD12M	46.3		4.8	14
8mm	18mm	-U-YT6M-OD18M	49.6		4.8	22
	6mm	-U-YT8M-OD6M	40.3	16.2	4.1	15
	10mm	-U-YT8M-OD10M	42.0		6.4	
	12mm	-U-YT8M-OD12M	47.6		6.4	
10mm	6mm	-U-YT10M-OD6M	42.4	17.2	4.1	18
	8mm	-U-YT10M-OD8M	43.4		5.6	18
	12mm	-U-YT10M-OD12M	49.8		7.9	18
	15mm	-U-YT10M-OD15M	51.3		7.9	18
12mm	18mm	-U-YT10M-OD18M	51.3		7.9	22
	6mm	-U-YT12M-OD6M	44.9	22.8	4.1	22
	8mm	-U-YT12M-OD8M	45.9		5.6	22
	10mm	-U-YT12M-OD10M	46.7		7.1	22
	16mm	-U-YT12M-OD16M	53.8		9.5	22
	18mm	-U-YT12M-OD18M	53.8		9.5	22
	20mm	-U-YT12M-OD20M	56.1		9.5	22
16mm	22mm	-U-YT12M-OD22M	56.1		9.5	24
	25mm	-U-YT12M-OD25M	62.4		9.5	27
16mm	12mm	-U-YT16M-OD12M	53.0	24.4	8.8	24
18mm	12mm	-U-YT18M-OD12M	54.6	24.4	8.8	27
	16mm	-U-YT18M-OD16M	56.1		12.0	
	20mm	-U-YT18M-OD20M	57.6		15.1	
	22mm	-U-YT18M-OD22M	57.6		15.1	
20mm	25mm	-U-YT18M-OD25M	62.4		15.1	
	16mm	-U-YT20M-OD16M	57.9	26.0	12.0	30
	18mm	-U-YT20M-OD18M	57.9		13.9	
	22mm	-U-YT20M-OD22M	59.4		15.9	
	25mm	-U-YT20M-OD25M	64.2		15.9	
22mm	18mm	-U-YT22M-OD18M	57.9	26.0	13.9	30
	20mm	-U-YT22M-OD20M	59.4		15.5	
	25mm	-U-YT22M-OD25M	64.2		18.3	
25mm	18mm	-U-YT25M-OD18M	63.1	31.3	13.9	35
	20mm	-U-YT25M-OD20M	64.6		15.5	

Tube Ends to Male NPT Threads

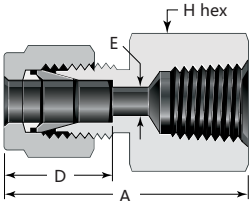


Tube OD	NPT Size	Basic Ordering Number	Dimension, in.			
			A	D	E	H
1/16"	1/16	-U-YT1-NT1	0.94	0.34	0.05	5/16
	1/8	-U-YT1-NT2	1.03			7/16
	1/4	-U-YT1-NT4	1.22			9/16
1/8"	1/16	-U-YT2-NT1	1.17	0.5	0.09	7/16
	1/8	-U-YT2-NT2	1.20			7/16
	1/4	-U-YT2-NT4	1.40			9/16
	3/8	-U-YT2-NT6	1.41			11/16
3/16"	1/2	-U-YT2-NT8	1.66			7/8
	1/8	-U-YT3-NT2	1.23	0.54	0.12	7/16
	1/4	-U-YT3-NT4	1.43			9/16
1/4"	1/16	-U-YT4-NT1	1.29	0.6	0.12	1/2
	1/8	-U-YT4-NT2	1.29		0.19	1/2
	1/4	-U-YT4-NT4	1.49		0.19	9/16
	3/8	-U-YT4-NT6	1.51		0.19	11/16
	1/2	-U-YT4-NT8	1.76		0.19	7/8
5/16"	3/4	-U-YT4-NT12	1.82		0.19	1 1/16
	1/8	-U-YT5-NT2	1.34	0.64	0.19	9/16
	1/4	-U-YT5-NT4	1.52		0.25	9/16
	3/8	-U-YT5-NT6	1.54		0.25	11/16
3/8"	1/8	-U-YT6-NT2	1.39	0.66	0.19	5/8
	1/4	-U-YT6-NT4	1.57		0.28	5/8
	3/8	-U-YT6-NT6	1.57		0.28	11/16
	1/2	-U-YT6-NT8	1.82		0.28	7/8
	3/4	-U-YT6-NT12	1.88		0.28	1 1/16
	1	-U-YT6-NT16	2.14		0.28	1 3/8
1/2"	1/8	-U-YT8-NT2	1.53	0.9	0.19	13/16
	1/4	-U-YT8-NT4	1.71		0.28	13/16
	3/8	-U-YT8-NT6	1.71		0.38	13/16
	1/2	-U-YT8-NT8	1.93		0.41	7/8
	3/4	-U-YT8-NT12	1.99		0.41	1 1/16
5/8"	1	-U-YT8-NT16	2.25		0.41	1 3/8
	1/4	-U-YT10-NT4	1.74	0.96	0.28	15/16
	3/8	-U-YT10-NT6	1.74		0.38	15/16
	1/2	-U-YT10-NT8	1.93		0.47	15/16
3/4"	3/4	-U-YT10-NT12	1.99		0.50	1 1/16
	3/8	-U-YT12-NT6	1.80	0.96	0.41	1 1/16
	1/2	-U-YT12-NT8	1.99		0.47	1 1/16
	3/4	-U-YT12-NT12	1.99		0.62	1 1/16
7/8"	1	-U-YT12-NT16	2.25		0.62	1 3/8
	1/2	-U-YT14-NT8	1.99	1.02	0.47	1 3/16
	3/4	-U-YT14-NT12	1.99		0.62	1 3/16
	1	-U-YT14-NT16	2.25		0.72	1 3/8
1"	1/2	-U-YT16-NT8	2.26	1.23	0.47	1 3/8
	3/4	-U-YT16-NT12	2.26		0.62	
	1	-U-YT16-NT16	2.45		0.88	
1 1/8"	1	-U-YT18-NT16	2.45	1.23	0.88	1 5/8
1 1/4"	1	-U-YT20-NT16	3.04	1.62	0.88	1 3/4
	1 1/4	-U-YT20-NT20			1.09	
1 1/2"	1 1/2	-U-YT24-NT24	4.47	1.97	1.34	2 1/8
2"	2	-U-YT32-NT32	3.50	2.66	1.81	2 3/4



Tube OD	NPT Size	Basic Ordering Number	Dimension, mm			
			A	D	E	H
2mm	1/4	-U-YT2M-NT4	30.5	12.9	1.7	12
3mm	1/8	-U-YT3M-NT2	30.5	12.9	2.4	12
	1/4	-U-YT3M-NT4	35.6			14
4mm	1/8	-U-YT4M-NT2	31.2	13.7	2.4	12
	1/4	-U-YT4M-NT4	36.3			14
6mm	1/8	-U-YT6M-NT2	32.8	15.3	4.8	14
	1/4	-U-YT6M-NT4	37.9			14
	3/8	-U-YT6M-NT6	38.4			18
	1/2	-U-YT6M-NT8	44.7			22
8mm	1/8	-U-YT8M-NT2	34.2	16.2	4.8	15
	1/4	-U-YT8M-NT4	38.7		6.4	15
	3/8	-U-YT8M-NT6	39.3		6.4	18
	1/2	-U-YT8M-NT8	45.6		6.4	22
10mm	1/8	-U-YT10M-NT2	36.3	17.2	4.8	18
	1/4	-U-YT10M-NT4	40.9		7.1	18
	3/8	-U-YT10M-NT6	40.9		7.9	18
	1/2	-U-YT10M-NT8	46.5		7.9	22
	3/4	-U-YT10M-NT12	48.0		7.9	27
12mm	1/8	-U-YT12M-NT2	38.8	22.8	4.8	22
	1/4	-U-YT12M-NT4	43.4		7.1	22
	3/8	-U-YT12M-NT6	43.4		9.5	22
	1/2	-U-YT12M-NT8	49.0		9.5	22
	3/4	-U-YT12M-NT12	50.5		9.5	27
14mm	1/4	-U-YT14M-NT4	44.1	24.4	7.1	24
	3/8	-U-YT14M-NT6	44.1		9.5	
	1/2	-U-YT14M-NT8	49.0		11.1	
15mm	1/2	-U-YT15M-NT8	49.0	24.4	11.9	24
16mm	3/8	-U-YT16M-NT6	44.1	24.4	9.5	24
	1/2	-U-YT16M-NT8	49.0		11.9	24
	3/4	-U-YT16M-NT12	50.5		12.7	27
18mm	1/2	-U-YT18M-NT8	50.5	24.4	11.9	27
	3/4	-U-YT18M-NT12			15.1	
20mm	1/2	-U-YT20M-NT8	52.3	26	11.9	30
	3/4	-U-YT20M-NT12			15.9	
22mm	3/4	-U-YT22M-NT12	52.3	26	15.9	30
	1	-U-YT22M-NT16	57.1		18.3	35
25mm	1/2	-U-YT25M-NT8	57.5	31.3	11.9	35
	3/4	-U-YT25M-NT12	57.5		15.9	
	1	-U-YT25M-NT16	62.3		21.8	
28mm	1	-U-YT28M-NT16	72.4	36.6	21.8	41
	1 1/4	-U-YT28M-NT20	73.1		21.8	46
30mm	1 1/4	-U-YT30M-NT20	77.2	39.6	26.2	46
32mm	1 1/4	-U-YT32M-NT20	79.6	42	28.6	46
38mm	1 1/2	-U-YT38M-NT24	91.6	49.4	33.7	55

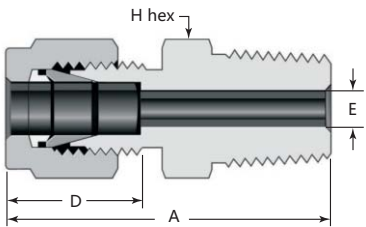
Tube Ends to Female NPT Threads



Tube OD	NPT Size	Basic Ordering Number	Dimension, in.			
			A	D	E	H
1/16"	1/16	-U-YT1-NT1F	0.93	0.34	0.05	7/16
	1/8	-U-YT1-NT2F	0.96			9/16
1/8"	1/8	-U-YT2-NT2F	1.13	0.50	0.09	9/16
	1/4	-U-YT2-NT4F	1.32			3/4
3/16"	1/8	-U-YT3-NT2F	1.17	0.54	1.12	9/16
1/4"	1/8	-U-YT4-NT2F	1.23	0.60	0.19	9/16
	1/4	-U-YT4-NT4F	1.41			3/4
	3/8	-U-YT4-NT6F	1.48			7/8
	1/2	-U-YT4-NT8F	1.67			1 1/16
5/16"	1/8	-U-YT5-NT2F	1.26	0.64	0.25	9/16
	1/4	-U-YT5-NT4F	1.45			3/4
3/8"	1/8	-U-YT6-NT2F	1.29	0.66	0.28	5/8
	1/4	-U-YT6-NT4F	1.48			3/4
	3/8	-U-YT6-NT6F	1.54			7/8
	1/2	-U-YT6-NT8F	1.73			1 1/16
1/2"	3/4	-U-YT6-NT12F	1.88			1 5/16
	1/4	-U-YT8-NT4F	1.59	0.90	0.41	13/16
	3/8	-U-YT8-NT6F	1.65			7/8
	1/2	-U-YT8-NT8F	1.84			1 1/16
	3/4	-U-YT8-NT12F	1.90			1 5/16
5/8"	3/8	-U-YT10-NT6F	1.65	0.96	0.50	15/16
	1/2	-U-YT10-NT8F	1.84			1 1/16
	3/4	-U-YT10-NT12F	1.90			1 5/16
3/4"	1/2	-U-YT12-NT8F	1.84	0.96	0.62	1 1/16
	3/4	-U-YT12-NT12F	1.90			1 5/16
7/8"	3/4	-U-YT14-NT12F	1.96	1.02	0.72	1 5/16
1"	3/4	-U-YT16-NT12F	2.10	1.23	0.88	1 3/8
	1	-U-YT16-NT16F	2.45			1 5/8
1 1/4"	1 1/4	-U-YT20-NT20F	2.94	1.62	1.09	2 1/8
1 1/2"	1 1/2	-U-YT24-NT24F	3.28	1.97	1.34	2 3/8
2"	2	-U-YT32-NT32F	4.00	2.66	1.81	2 7/8

Tube OD	NPT Size	Basic Ordering Number	Dimension, mm			
			A	D	E	H
3mm	1/8	-U-YT3M-NT2F	28.7	12.9	2.4	14
	1/4	-U-YT3M-NT4F	33.5			19
4mm	1/8	-U-YT4M-NT2F	29.7	13.7	2.4	14
6mm	1/8	-U-YT6M-NT2F	31.3	15.3	4.8	14
	1/4	-U-YT6M-NT4F	35.8			19
	3/8	-U-YT6M-NT6F	37.6			22
8mm	1/2	-U-YT6M-NT8F	42.5	16.2	6.4	27
	1/8	-U-YT8M-NT2F	32.1			15
	1/4	-U-YT8M-NT4F	37.0			19
	3/8	-U-YT8M-NT6F	38.5			22
10mm	1/2	-U-YT8M-NT8F	43.3			27
	1/4	-U-YT10M-NT4F	37.8	17.2	7.9	19
	3/8	-U-YT10M-NT6F	39.4			22
12mm	1/2	-U-YT10M-NT8F	44.2			27
	1/4	-U-YT12M-NT4F	40.3	22.8	9.5	22
	3/8	-U-YT12M-NT6F	41.9			22
15mm	1/2	-U-YT12M-NT8F	46.7			27
	1/2	-U-YT15M-NT8F	46.7	24.4	11.9	27
16mm	1/2	-U-YT16M-NT8F	46.9	24.4	12.7	27
20mm	1/2	-U-YT20M-NT8F	47.9	26.0	15.9	30
	3/4	-U-YT20M-NT12F	49.7			35
22mm	3/4	-U-YT22M-NT12F	49.7	26.0	18.3	35
	1	-U-YT22M-NT16F	57.9			41
25mm	3/4	-U-YT25M-NT12F	53.4	31.3	21.8	35
	1	-U-YT25M-NT16F	62.3			41

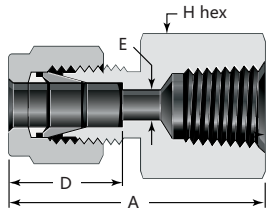
Tube Ends to Male ISO Tapered Threads



Tube OD	ISO Size	Basic Ordering Number	Dimension, in.			
			A	D	E	H
1/8"	1/8	-U-YT2-PT2	1.31	0.50	0.09	9/16
	1/4	-U-YT2-PT4	1.50			3/4
	3/8	-U-YT2-PT6	1.53			7/8
1/4"	1/8	-U-YT4-PT2	1.40	0.60	0.16	9/16
	1/4	-U-YT4-PT4	1.59		0.19	3/4
	3/8	-U-YT4-PT6	1.62		0.19	7/8
	1/2	-U-YT4-PT8	1.70		0.19	1 1/16
3/8"	1/8	-U-YT6-PT2	1.49	0.66	0.16	5/8
	1/4	-U-YT6-PT4	1.65		0.23	3/4
	3/8	-U-YT6-PT6	1.68		0.28	7/8
	1/2	-U-YT6-PT8	1.76		0.28	1 1/16
1/2"	1/4	-U-YT8-PT4	1.76	0.90	0.23	1 3/16
	3/8	-U-YT8-PT6	1.79		0.31	7/8
	1/2	-U-YT8-PT8	1.87		0.41	1 1/16
3/4"	1/2	-U-YT12-PT8	1.92	0.96	0.47	1 1/16
	3/4	-U-YT12-PT12	2.05		0.62	1 5/16
1"	1/2	-U-YT16-PT8	2.19	1.23	0.47	1 3/8
	3/4	-U-YT16-PT12	2.27		0.63	1 3/8
	1	-U-YT16-PT16	2.35		0.78	1 5/8

Tube OD	ISO Size	Basic Ordering Number	Dimension, mm			
			A	D	E	H
2mm	1/8	-U-YT2M-PT2	33.3	12.9	1.7	14
3mm	1/8	-U-YT3M-PT2	33.3	12.9	2.4	14
	1/4	-U-YT3M-PT4	38.1		2.4	19
4mm	1/8	-U-YT4M-PT2	34.0	13.7	2.4	14
6mm	1/8	-U-YT6M-PT2	35.6	15.3	4.0	14
	1/4	-U-YT6M-PT4	40.4		4.8	19
	3/8	-U-YT6M-PT6	41.1		4.8	22
	1/2	-U-YT6M-PT8	43.2		4.8	27
8mm	1/8	-U-YT8M-PT2	36.6	16.2	4.0	15
	1/4	-U-YT8M-PT4	41.4		5.9	19
	3/8	-U-YT8M-PT6	42.2		6.4	22
	1/2	-U-YT8M-PT8	44.2		6.4	27
10mm	1/4	-U-YT10M-PT4	42.2	17.2	5.9	19
	3/8	-U-YT10M-PT6	42.9		7.9	22
	1/2	-U-YT10M-PT8	45.0		7.9	27
12mm	1/4	-U-YT12M-PT4	44.5	22.8	5.9	22
	3/8	-U-YT12M-PT6	45.5		7.9	22
	1/2	-U-YT12M-PT8	47.5		9.5	27
	3/4	-U-YT12M-PT12	52.1		9.5	35
14mm	3/8	-U-YT14M-PT6	43.9	24.4	7.9	24
	1/2	-U-YT14M-PT8	47.5		11.1	27
15mm	3/8	-U-YT15M-PT6	45.5	24.4	7.9	24
	1/2	-U-YT15M-PT8	47.5		11.9	27
	3/4	-U-YT15M-PT12	52.8		11.9	35
16mm	3/8	-U-YT16M-PT6	45.5	24.4	7.9	24
	1/2	-U-YT16M-PT8	47.5		11.9	27
18mm	3/4	-U-YT16M-PT12	52.8	24.4	12.7	35
	1/2	-U-YT18M-PT8	48.8		11.9	27
20mm	3/4	-U-YT18M-PT12	52.1	26.0	15.1	35
	1/2	-U-YT20M-PT8	50.5		11.9	30
22mm	3/4	-U-YT20M-PT12	52.6	26.0	15.9	35
	1	-U-YT22M-PT12	52.6		15.9	35
25mm	1	-U-YT22M-PT16	54.9	31.3	18.3	41
	3/4	-U-YT25M-PT12	57.7		15.9	35
28mm	1	-U-YT25M-PT16	59.7	36.6	19.8	41
	1 1/4	-U-YT28M-PT16	69.9		19.8	41
30mm	1 1/4	-U-YT28M-PT20	72.9	36.6	21.8	50
32mm	1 1/4	-U-YT30M-PT20	76.7	39.6	26.2	50
38mm	1 1/2	-U-YT32M-PT20	79.2	42.0	28.6	50
	1 1/2	-U-YT38M-PT24	90.9	49.4	31.8	55

Tube Ends to Female ISO Tapered Threads

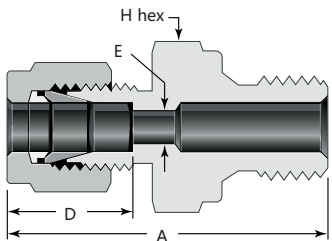


Tube OD	ISO Size	Basic Ordering Number	Dimension, in.			
			A	D	E	H
1/8"	1/8	-U-YT2-PT2F	1.13	0.50	0.09	9/16
1/4"	1/8	-U-YT4-PT2F	1.23	0.60	0.19	9/16
	1/4	-U-YT4-PT4F	1.41			3/4
	3/8	-U-YT4-PT6F	1.48			7/8
	1/2	-U-YT4-PT8F	1.67			1 1/16
3/8"	1/4	-U-YT6-PT4F	1.48	0.66	0.28	3/4
	3/8	-U-YT6-PT6F	1.54			7/8
	1/2	-U-YT6-PT8F	1.73			1 1/16
1/2"	1/4	-U-YT8-PT4F	1.59	0.90	0.41	13/16
	3/8	-U-YT8-PT6F	1.65			7/8
	1/2	-U-YT8-PT8F	1.84			1 1/16

Tube OD	ISO Size	Basic Ordering Number	Dimension, mm			
			A	D	E	H
3mm	1/8	-U-YT3M-PT2F	28.7	12.9	2.4	14
6mm	1/8	-U-YT6M-PT2F	31.3	15.3	4.8	14
	1/4	-U-YT6M-PT4F	35.8			19
	3/8	-U-YT6M-PT6F	37.6			22
	1/2	-U-YT6M-PT8F	42.5			27
8mm	1/8	-U-YT8M-PT2F	32.1	16.2	6.4	15
	1/4	-U-YT8M-PT4F	37.0			19
	3/8	-U-YT8M-PT6F	38.5			22
	1/2	-U-YT8M-PT8F	43.3			27
10mm	1/8	-U-YT10M-PT2F	33.0	17.2	7.9	18
	1/4	-U-YT10M-PT4F	37.8			19
	3/8	-U-YT10M-PT6F	39.4			22
	1/2	-U-YT10M-PT8F	44.2			27
12mm	1/8	-U-YT12M-PT2F	35.5	22.8	8.3	22
	1/4	-U-YT12M-PT4F	40.3		9.5	22
	3/8	-U-YT12M-PT6F	41.9		9.5	22
	1/2	-U-YT12M-PT8F	46.7		9.5	27
	3/4	-U-YT12M-PT12F	49.0		9.5	35
15mm	3/8	-U-YT15M-PT6F	41.9	24.4	11.9	24
	1/2	-U-YT15M-PT8F	46.7			27
20mm	1/2	-U-YT20M-PT8F	47.9	26.0	15.9	30
	3/4	-U-YT20M-PT12F	49.7			35
22mm	3/4	-U-YT22M-PT12F	49.7	26.0	18.3	35
	1	-U-YT22M-PT16F	57.9			41
25mm	3/4	-U-YT25M-PT12F	53.4	31.3	21.8	35
	1	-U-YT25M-PT16F	62.3			41

Tube Ends to Male ISO Parallel Threads(PPR)

Sealing with GR gasket at male ISO threads root



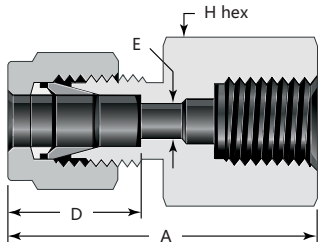
For GR gasket, see page 85

Tube OD	ISO Size	Basic Ordering Number	Dimension, mm			
			A	D	E	H
3mm	1/8	-U-YT3M-PPR2	33.3	12.9	2.4	14
	1/4	-U-YT3M-PPR4	38.1			
4mm	1/8	-U-YT4M-PPR2	34.0	13.7	2.4	14
	1/4	-U-YT4M-PPR4	40.4			
6mm	1/8	-U-YT6M-PPR2	35.6	15.3	4.0	14
	1/4	-U-YT6M-PPR4	40.4		4.8	19
	3/8	-U-YT6M-PPR6	41.2		4.8	22
	1/2	-U-YT6M-PPR8	43.2		4.8	27
8mm	1/8	-U-YT8M-PPR2	36.5	16.2	4.0	15
	1/4	-U-YT8M-PPR4	41.3		5.9	19
	3/8	-U-YT8M-PPR6	41.9		6.4	22
	1/2	-U-YT8M-PPR8	44.1		6.4	27
10mm	1/4	-U-YT10M-PPR4	42.2	17.2	5.9	19
	3/8	-U-YT10M-PPR6	42.9		7.9	22
	1/2	-U-YT10M-PPR8	45.0		7.9	27
12mm	1/4	-U-YT12M-PPR4	45.4	22.8	5.9	22
	3/8	-U-YT12M-PPR6	45.4		7.9	22
	1/2	-U-YT12M-PPR8	47.5		9.5	27
	3/4	-U-YT12M-PPR12	52.1		9.5	35
15mm	1/2	-U-YT15M-PPR8	47.5	24.4	11.9	27
16mm	3/8	-U-YT16M-PPR6	45.4	24.4	7.9	24
	1/2	-U-YT16M-PPR8	47.5		11.9	27
18mm	1/2	-U-YT18M-PPR8	49.0	24.4	11.9	27
	3/4	-U-YT18M-PPR12	52.3		15.1	35
20mm	1/2	-U-YT20M-PPR8	50.5	26.0	11.9	30
	3/4	-U-YT20M-PPR12	52.5		15.9	35
22mm	3/4	-U-YT22M-PPR12	52.8	26.0	15.9	35
	1	-U-YT22M-PPR16	54.5		18.3	41
25mm	1 1/4	-U-YT25M-PPR12	58.7	31.3	15.9	35
	1	-U-YT25M-PPR16	59.8		19.8	41
28mm	1	-U-YT28M-PPR16	69.8	36.6	19.8	41
	1 1/4	-U-YT28M-PPR20	72.9		21.8	50
30mm	1 1/4	-U-YT30M-PPR20	76.8	39.6	26.2	50
32mm	1 1/4	-U-YT32M-PPR20	79.2	42.0	28.6	50
38mm	1 1/2	-U-YT38M-PPR24	92.1	49.4	31.8	55

Tube OD	ISO Size	Basic Ordering Number	Dimension, in.			
			A	D	E	H
1/8"	1/8	-U-YT2-PPR2	1.31	0.50	0.90	9/16
	1/4	-U-YT2-PPR4	1.50			
1/4"	1/8	-U-YT4-PPR2	1.40	0.60	0.16	9/16
	1/4	-U-YT4-PPR4	1.59		0.19	3/4
1/2"	3/8	-U-YT8-PPR6	1.79	0.90	0.31	7/8
	1/2	-U-YT8-PPR8	1.87		0.41	1 1/16
3/4"	1/2	-U-YT12-PPR8	1.92	0.96	0.47	1 1/16
	3/4	-U-YT12-PPR12	2.05		0.62	1 5/16
1"	1	-U-YT16-PPR16	2.35	1.23	0.78	1 5/8

Tube Ends to Female ISO Parallel Threads(PP)

Sealing with G gasket at female ISO threads root



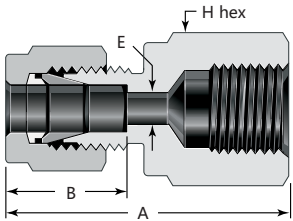
For G gasket, see page 84

Tube OD	ISO Size	Basic Ordering Number	Dimension, in.			
			A	D	E	H
1/8"	1/4	-U-YT2-PP4F	1.39	0.59	0.09	3/4
1/4"	1/8	-U-YT4-PP2F	1.26	0.60	0.18	9/19
	1/4	-U-YT4-PP4F	1.48		0.19	3/4
	3/8	-U-YT4-PP6F	1.48		0.19	15/16
	1/2	-U-YT4-PP8F	1.71		0.19	1 1/16
5/16"	1/4	-U-YT5-PP4F	1.51	0.64	0.22	3/4
	1/2	-U-YT5-PP8F	1.61		0.28	1 1/16
3/8"	1/4	-U-YT6-PP4F	1.54	0.66	0.22	3/4
	3/8	-U-YT6-PP6F	1.52		0.26	15/16
	1/2	-U-YT6-PP8F	1.65		0.28	1 1/16
1/2"	3/8	-U-YT8-PP6F	1.75	0.90	0.26	15/16
	1/2	-U-YT8-PP8F	1.90		0.28	1 1/16

Tube OD	ISO Size	Basic Ordering Number	Dimension, mm			
			A	D	E	H
3mm	1/4	-U-YT3M-PP4F	35.3	12.9	2.4	19
6mm	1/8	-U-YT6M-PP2F	32.0	15.3	4.5	14
	1/4	-U-YT6M-PP4F	37.6		4.8	19
	3/8	-U-YT6M-PP6F	37.6		4.8	14
	1/2	-U-YT6M-PP8F	43.5		4.8	27
8mm	1/4	-U-YT8M-PP4F	38.5	16.2	5.5	19
	3/8	-U-YT8M-PP6F	36.2		6.5	14
10mm	1/2	-U-YT8M-PP8F	41.0	17.2	7.0	27
	1/4	-U-YT10M-PP4F	39.4		5.5	19
	3/8	-U-YT10M-PP6F	38.8		6.5	14
12mm	1/2	-U-YT10M-PP8F	42.1	22.8	7.0	27
	1/4	-U-YT12M-PP4F	41.9		5.5	22
	3/8	-U-YT12M-PP6F	44.4		6.5	24
20mm	1/2	-U-YT12M-PP8F	48.2	26.0	7.0	27
22mm	1/2	-U-YT20M-PP8F	54.3		7.0	30
22mm	1/2	-U-YT22M-PP8F	54.3	26.0	7.0	30

Tube Ends to Female ISO Parallel Threads(PPG)

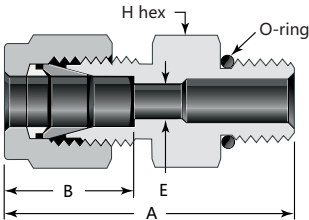
Sealing with gasket at female ISO threads end



Tube OD	ISO Size	Basic Ordering Number	Dimension, mm			
			A	B	E	H
6mm	1/8	-U-YT6M-PPG2F	33.5	15.3	4.8	14
	1/4	-U-YT6M-PPG4F	39.4			19
22mm	3/4	-U-YT22M-PPG12F	53.3	26.0	18.3	35
25mm	1	-U-YT25M-PPG16F	63.9	26.5	21.8	40

Tube Ends to Male SAE Threads

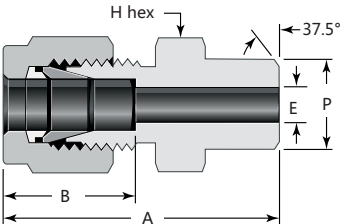
O-ring seal at male threads root



Tube OD	SAE thread Size	Basic Ordering Number	Dimension, in.			
			A	B	E	H
1/8"	5/16-24	-U-YT2-UNR5	1.18			7/16
	7/16-20	-U-YT2-UNR7	1.24	0.50	0.09	9/16
	9/16-18	-U-YT2-UNR9	1.31			11/16
1/4"	5/16-24	-U-YT4-UNR5	1.27		0.09	1/2
	7/16-20	-U-YT4-UNR7	1.34		0.19	9/16
	9/16-18	-U-YT4-UNR9	1.40	0.60	0.19	11/16
	3/4-16	-U-YT4-UNR12	1.48		0.19	7/8
	7/8-14	-U-YT4-UNR14	1.60		0.19	1
5/16"	1/2-20	-U-YT5-UNR8	1.37	0.64	0.25	5/8
3/8"	7/16-20	-U-YT6-UNR7	1.40		0.18	5/8
	9/16-18	-U-YT6-UNR9	1.46	0.66	0.28	11/16
	3/4-16	-U-YT6-UNR12	1.54		0.28	7/8
	7/8-14	-U-YT6-UNR14	1.66		0.28	1
1/2"	9/16-18	-U-YT8-UNR9	1.54		0.28	13/16
	3/4-16	-U-YT8-UNR12	1.65	0.90	0.41	7/8
	7/8-14	-U-YT8-UNR14	1.77		0.41	1
	1 1/16-12	-U-YT8-UNR17	1.93		0.41	1 1/4
5/8"	3/4-16	-U-YT10-UNR12	1.65	0.96	0.42	15/16
	7/8-14	-U-YT10-UNR14	1.78		0.50	1
3/4"	3/4-16	-U-YT12-UNR12	1.81		0.42	1 1/16
	1 1/16-12	-U-YT12-UNR17	1.93	0.96	0.62	1 1/4
	1 5/16-12	-U-YT12-UNR21	1.96		0.63	1 1/2
7/8"	1 3/16-12	-U-YT14-UNR19	1.93	1.02	0.72	1 3/8
1"	1 1/16-12	-U-YT16-UNR17	2.10	1.23	0.66	1 3/8
	1 5/16-12	-U-YT16-UNR21	2.14		0.88	1 1/2
1 1/4"	1 5/8-12	-U-YT20-UNR26	2.69	1.62	1.09	1 7/8
1 1/2"	1 7/8-12	-U-YT24-UNR30	3.06	1.97	1.34	2 1/8
2"	2 1/2-12	-U-YT32-UNR40	4.00	2.66	1.81	2 3/4

Tube OD	SAE thread Size	Basic Ordering Number	Dimension, mm			
			A	B	E	H
6mm	9/16-18	-U-YT6M- UNR 9	35.6	15.3	4.8	18
10mm	9/16-18	-U-YT10M-UNR9	37.3		7.1	
	3/4-16	-U-YT10M-UNR12	39.4	17.2	7.9	22
12mm	7/16-20	-U-YT12M-UNR7	40.6		5.2	
	9/16-18	-U-YT12M-UNR9	39.9	22.8	7.1	22
	3/4-16	-U-YT12M-UNR12	41.9		9.5	

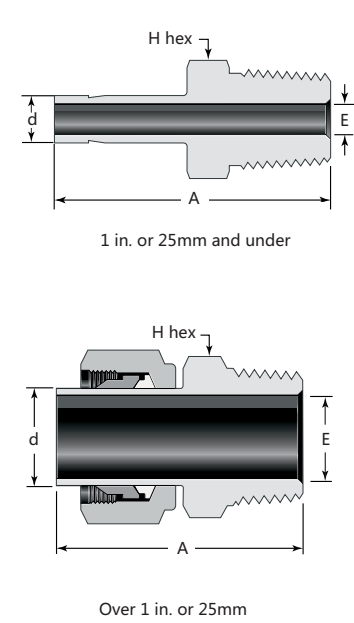
Tube Ends to Pipe Butt Welding



Tube OD	Pipe Size	Basic Ordering Number	Dimension, in.				
			A	B	E	H	P
1/8"	1/8	-U-YT2-BW2P	1.20	0.50	0.09	7/16	0.405
3/16"	1/8	-U-YT3-BW2P	1.23	0.54	0.12	7/16	0.405
1/4"	1/8	-U-YT4-BW2P	1.29		0.19	1/2	0.405
	1/4	-U-YT4-BW4P	1.49	0.60		9/16	0.540
5/16"	1/8	-U-YT5-BW2P	1.34		0.21		0.405
	1/4	-U-YT5-BW4P	1.52	0.64	0.25	9/16	0.540
3/8"	1/4	-U-YT6-BW4P	1.57			5/8	0.540
	3/8	-U-YT6-BW6P	1.57	0.66	0.28	11/16	0.675
	1/2	-U-YT6-BW8P	1.82			7/8	0.840
	3/4	-U-YT6-BW12P	1.88			1 1/6	1.050
1/2"	3/8	-U-YT8-BW6P	1.71			13/16	0.675
	1/2	-U-YT8-BW8P	1.93	0.90	0.41	7/8	0.840
	3/4	-U-YT8-BW12P	1.99			1 1/16	1.050
	1	-U-YT8-BW16P	2.25			1 3/8	1.315
5/8"	1/2	-U-YT10-BW8P	1.93	0.96	0.50	15/16	0.840
3/4"	1/2	-U-YT12-BW8P	1.99	0.96	0.55		0.840
	3/4	-U-YT12-BW12P			0.62	1 1/16	1.050
1"	1	-U-YT16-BW16P	2.45	1.23	0.88	1 3/8	1.315
1 1/4"	1 1/4	-U-YT20-BW20P	3.04	1.62	1.09	1 3/4	1.660
1 1/2"	1 1/2	-U-YT24-BW24P	3.50	1.97	1.34	2 1/8	1.900
2"	2	-U-YT32-BW32P	4.47	2.66	1.81	2 3/4	2.375

Tube OD	Pipe Size	Basic Ordering Number	Dimension, mm				
			A	B	E	H	P
3mm	1/8	-U-YT3M-BW2P	30.5	12.9	2.4	12	10.3
4mm	1/8	-U-YT4M-BW2P	31.2	13.7	2.4	12	10.3
6mm	1/8	-U-YT6M-BW2P	32.8				10.3
	1/4	-U-YT6M-BW4P	37.9	15.3	4.8	14	13.7
8mm	1/8	-U-YT8M-BW2P	34.2		5.4	15	10.3
	1/4	-U-YT8M-BW4P	38.7	16.2	6.4	15	13.7
	1/2	-U-YT8M-BW8P	45.6		6.4	22	21.3
10mm	1/4	-U-YT10M-BW4P	40.9		7.5	18	13.7
	3/8	-U-YT10M-BW6P	40.9	17.2	7.9	18	17.1
	1/2	-U-YT10M-BW8P	46.5		7.9	22	21.3
12mm	1/4	-U-YT12M-BW4P	43.4		7.5	22	13.7
	3/8	-U-YT12M-BW6P	43.4	22.8	9.5	22	17.1
	1/2	-U-YT12M-BW8P	49.0		9.5	22	21.3
	3/4	-U-YT12M-BW12P	50.5		9.5	27	26.7
14 mm	3/8	-U-YT14M-BW6P	44.1	24.4	10.7	24	17.1
15mm	1/2	-U-YT15M-BW8P	49.0	24.4	11.9	24	21.3
16mm	1/2	-U-YT16M-BW8P	49.0	24.4	12.7	24	21.3
18mm	1/2	-U-YT18M-BW8P	50.5	24.4	13.9	27	21.3
30mm	1 1/4	-U-YT30M-BW20P	77.2	39.6	26.2	46	42.2
32mm	1 1/4	-U-YT32M-BW20P	79.6	42.0	28.6	46	42.2
38mm	1 1/2	-U-YT38M-BW24P	91.6	49.4	33.7	55	48.3

Tube Adapters to Male NPT Threads

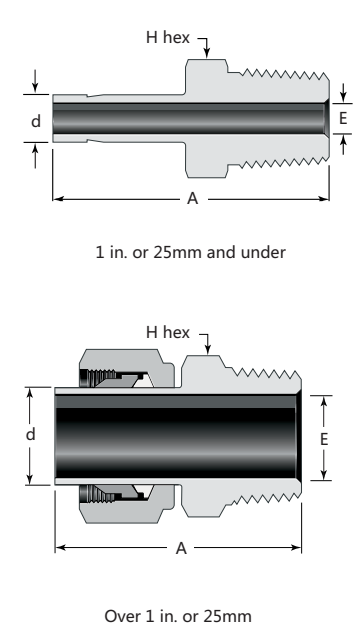


Tube OD d	NPT Size	Basic Ordering Number	Dimension, in.		
			A	E	H
1/8"	1/8	-U-OD2-NT2	1.16	0.08	7/16
	1/4	-U-OD2-NT4	1.37		9/16
3/16"	1/8	-U-OD3-NT2	1.19	0.12	7/16
	1/4	-U-OD3-NT4	1.40		9/16
1/4"	1/8	-U-OD4-NT2	1.25	0.17	7/16
	1/4	-U-OD4-NT4	1.46		9/16
	3/8	-U-OD4-NT6	1.49		11/16
	1/2	-U-OD4-NT8	1.71		7/8
5/16"	1/8	-U-OD5-NT2	1.29	0.19	7/16
	1/4	-U-OD5-NT4	1.50		9/16
3/8"	1/8	-U-OD6-NT2	1.32	0.27	7/16
	1/4	-U-OD6-NT4	1.53		9/16
	3/8	-U-OD6-NT6	1.56		11/16
	1/2	-U-OD6-NT8	1.78		7/8
1/2"	1/4	-U-OD8-NT4	1.75	0.37	9/16
	3/8	-U-OD8-NT6	1.78		11/16
	1/2	-U-OD8-NT8	2.00		7/8
5/8"	1/2	-U-OD10-NT8	2.06	0.47	7/8
3/4"	1/2	-U-OD12-NT8	2.06	0.47	7/8
	3/4	-U-OD12-NT12		0.58	1 1/16
1"	3/4	-U-OD16-NT12	2.31	0.62	1 1/16
	1	-U-OD16-NT16	2.60		1 3/8
1 1/4"	1 1/4	-U-OD20-NT20①	3.16	1.02	1 3/4
1 1/2"	1 1/2	-U-OD24-NT24①	3.72	1.25	2 1/8
2"	2	-U-OD32-NT32①	4.70	1.72	2 3/4

Tube OD d	NPT Size	Basic Ordering Number	Dimension, mm		
			A	E	H
6mm	1/8	-U-OD6M-NT2	32.8	4.1	12
	1/4	-U-OD6M-NT4	38.1		14
8mm	1/4	-U-OD8M-NT4	39.1	5.6	14
	3/8	-U-OD8M-NT6	39.9		19
10mm	1/4	-U-OD10M-NT4	39.9	7.1	14
	3/8	-U-OD10M-NT6	40.6		18
	1/2	-U-OD10M-NT8	46.2		22
12mm	1/4	-U-OD12M-NT4	46.5	8.8	16
	1/2	-U-OD12M-NT8	52.1		22
28mm	1	-U-OD28M-NT16①	74.7	22.2	35
	1 1/4	-U-OD28M-NT20①	76.2		46
30mm	1	-U-OD30M-NT16①	79.2	22.2	41
	1 1/4	-U-OD30M-NT20①	80.0		46
32mm	1 1/4	-U-OD32M-NT20①	81.0	26.5	46
38mm	1 1/2	-U-OD38M-NT24①	92.2	31.6	55

①Furnished with nuts and preswaged ferrules.

Tube Adapters to Male ISO Tapered Threads

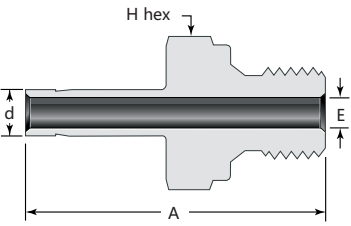


Tube OD d	ISO Size	Basic Ordering Number	Dimension, in.		
			A	E	H
1/8"	1/8	-U-OD2-PT2	1.16	0.08	7/16
	1/4	-U-OD2-PT4	1.37		9/16
1/4"	1/8	-U-OD4-PT2	1.25	0.17	7/16
	1/4	-U-OD4-PT4	1.46		9/16
3/8"	1/4	-U-OD6-PT4	1.53	0.27	9/16
	3/8	-U-OD6-PT6	1.56		11/16
	1/2	-U-OD6-PT8	1.78		7/8
1/2"	1/4	-U-OD8-PT4	1.75	0.37	9/16
	3/8	-U-OD8-PT6	1.78		11/16
	1/2	-U-OD8-PT8	2.00		7/8
3/4"	3/4	-U-OD12-PT12	2.06	0.58	1 1/16
1"	1	-U-OD16-PT16	2.60	0.80	1 3/8

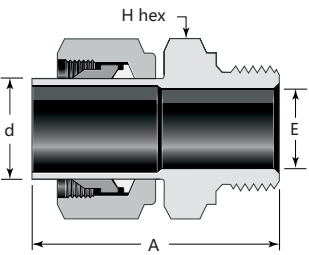
Tube OD d	ISO Size	Basic Ordering Number	Dimension, mm		
			A	E	H
6mm	1/8	-U-OD6M-PT2	32.8	4.1	12
	1/4	-U-OD6M-PT4	38.1		14
8mm	1/4	-U-OD8M-PT4	39.1	5.6	14
10mm	1/4	-U-OD10M-PT4	39.9	7.1	14
	3/8	-U-OD10M-PT6	40.6		18
12mm	1/4	-U-OD12M-PT4	46.5	8.8	16
	3/8	-U-OD12M-PT6	46.2		18
	1/2	-U-OD12M-PT8	51.8		22
28mm	1	-U-OD28M-PT16①	74.7	22.2	35
	1 1/4	-U-OD28M-PT20①	76.2		46
30mm	1 1/4	-U-OD30M-PT20①	80.0	24.3	46
32mm	1 1/4	-U-OD32M-PT20①	81.0	26.5	46
38mm	1 1/2	-U-OD38M-PT24①	92.2	31.6	55

①Furnished with nuts and preswaged ferrules.

Tube Adapters to Male ISO Parallel Threads(PPR)
Sealing with GR gasket at male ISO threads root



1 in. or 25mm and under



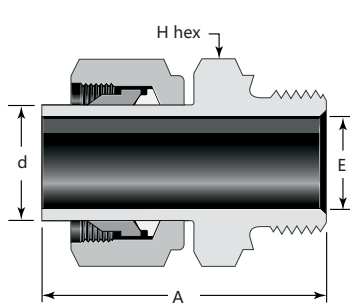
Over 1 in. or 25mm
For GR gasket, see page 85

Tube OD d	ISO Size	Basic Ordering Number	Dimension, in.		
			A	E	H
1/8"	1/8	-U-OD2-PPR2	1.25	0.08	9/16
	1/4	-U-OD2-PPR4	1.43		3/4
1/4"	1/8	-U-OD4-PPR2	1.35	0.16	9/16
	1/4	-U-OD4-PPR4	1.53		3/4
3/8"	1/4	-U-OD6-PPR4	1.59	0.23	3/4
	3/8	-U-OD6-PPR6	1.62		7/8
1/2"	1/4	-U-OD8-PPR4	1.85	0.23	3/4
	3/8	-U-OD8-PPR6	1.88		7/8
	1/2	-U-OD8-PPR8	1.96	0.37	1 1/16
3/4"	3/4	-U-OD12-PPR12	2.20	0.58	1 5/16
1"	1	-U-OD16-PPR16	2.59	0.80	1 5/8

Tube OD d	ISO Size	Basic Ordering Number	Dimension, mm		
			A	E	H
6mm	1/8	-U-OD6M-PPR2	34.3	4.0	14
	1/4	-U-OD6M-PPR4	38.9	4.1	19
8mm	1/4	-U-OD8M-PPR4	39.6	5.6	19
10mm	1/4	-U-OD10M-PPR4	40.4	5.9	19
	3/8	-U-OD10M-PPR6	41.1	7.1	22
	1/2	-U-OD10M-PPR8	43.2	7.1	27
12mm	1/4	-U-OD12M-PPR4	47.0	5.9	19
	3/8	-U-OD12M-PPR6	47.8	7.9	22
	1/2	-U-OD12M-PPR8	49.8	8.8	27
18mm	1/2	-U-OD18M-PPR8	51.3	11.9	27
	3/4	-U-OD18M-PPR12	55.9	13.9	35
28mm	1	-U-OD28M-PPR16①	71.9	19.8	41
	1 1/4	-U-OD28M-PPR20①	75.4	22.5	50
30mm	1 1/4	-U-OD30M-PPR20①	79.8	24.3	50
32mm	1 1/4	-U-OD32M-PPR20①	80.8	26.5	50
38mm	1 1/2	-U-OD38M-PPR24①	91.9	31.6	55

①Furnished with nuts and preswaged ferrules.

Tube Adapters to Male ISO Parallel Threads(PPG)
Sealing with GE gasket at male ISO threads root

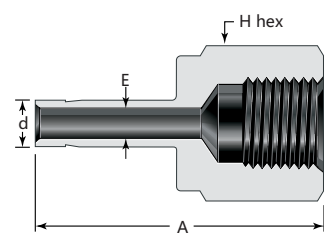


For GE gasket, see page 85

Tube OD d	ISO Size	Basic Ordering Number	Dimension, mm		
			A	E	H
28mm	1	-U-OD28M -PPG16①	72.7	19.8	41
	1 1/4	-U-OD28M-PPG20①	77.3	22.5	50
30mm	1 1/4	-U-OD30M-PPG20①	81.1	24.3	50
32mm	1 1/4	-U-OD32M-PPG20①	82.1	26.5	50
38mm	1 1/2	-U-OD38M-PPG24①	94.5	31.8	55

①Furnished with nuts and preswaged ferrules.

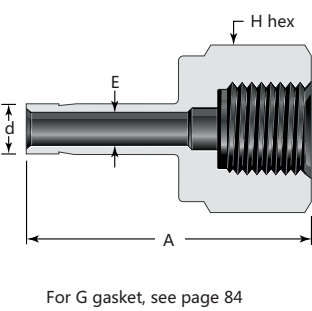
Tube Adapters to Female ISO Parallel Threads(PPG)
Sealing with gasket at female ISO threads end



Tube OD d	ISO Size	Basic Ordering Number	Dimension, in.		
			A	E	H
1/8"	1/8	-U-OD2-PPG2F	1.17	0.08	9/16
1/4"	1/8	-U-OD4-PPG2F	1.25	0.17	9/16
	1/4	-U-OD4-PPG4F	1.50		3/4
3/8"	1/4	-U-OD6-PPG4F	1.55	0.27	3/4
	3/8	-U-OD6-PPG6F	1.57		15/16
1/2"	3/8	-U-OD8-PPG6F	1.78	0.38	15/16
	1/2	-U-OD8-PPG8F	2.02		1 1/16

Tube OD d	ISO Size	Basic Ordering Number	Dimension, mm		
			A	E	H
6mm	1/8	-U-OD6M-PPG2F	32.0	4.1	14
	1/4	-U-OD6M-PPG4F	37.8		19
12mm	1/2	-U-OD12M-PPG8F	49.8	8.8	27

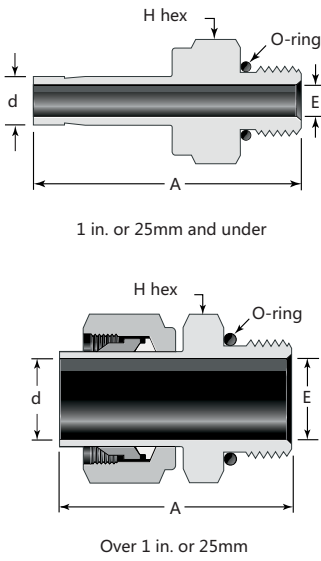
Tube Adapters to Female ISO Parallel Threads(PP)
Female ISO threads root with gasket seal (G gasket)



Tube OD d	ISO Size	Basic Ordering Number	Dimension, in.		
			A	E	H
1/4"	1/4	-U-OD4-PP4F	1.39	0.17	3/4
3/8"	3/8	-U-OD6-PP6F	1.55	0.26	15/16
1/2"	1/2	-U-OD8-PP8F	1.80	0.28	1 1/16

Tube OD d	ISO Size	Basic Ordering Number	Dimension, mm		
			A	E	H
6mm	1/4	-U-OD6M-PP4F	35.3		19
	3/8	-U-OD6M-PP6F	38.4	4.1	24
	1/2	-U-OD6M-PP8F	42.9		27
8mm	1/4	-U-OD8M-PP4F	33.0	5.5	19
	3/8	-U-OD8M-PP6F	38.9	5.6	24
	1/2	-U-OD8M-PP8F	43.7	5.6	27
10mm	1/4	-U-OD10M-PP4F	34.5	5.5	19
	3/8	-U-OD10M-PP6F	36.1	6.5	24
	1/2	-U-OD10M-PP8F	41.1	7.1	27
12mm	1/4	-U-OD12M-PP4F	40.1	5.5	19
	3/8	-U-OD12M-PP6F	44.7	6.5	24
	1/2	-U-OD12M-PP8F	48.8	7.0	27
16mm	1/2	-U-OD16M-PP8F	49.0	7.0	27
18mm	1/2	-U-OD18M-PP8F	49.3	7.0	27

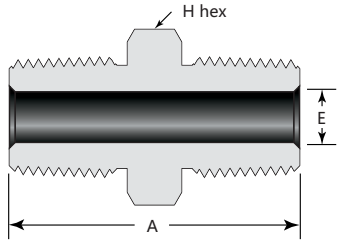
Tube Adapters to SAE Male Threads
O-ring seal at male threads root



Tube OD d	SAE thread Size	Basic Ordering Number	Dimension, in.		
			A	E	H
1/8"	5/16-24	-U-OD2-UNR5	1.20	0.08	7/16
1/4"	7/16-20	-U-OD4-UNR7	1.39	0.17	9/16
3/8"	7/16-20	-U-OD6-UNR7	1.46	0.20	9/16
	9/16-18	-U-OD6-UNR9	1.52	0.27	11/16
	3/4-16	-U-OD6-UNR12	1.60	0.27	7/8
1/2"	9/16-18	-U-OD8-UNR9	1.74	0.28	11/16
	3/4-16	-U-OD8-UNR12	1.82	0.37	7/8
5/8"	7/8-14	-U-OD10-UNR14	1.94	0.47	1
3/4"	1 1/16-12	-U-OD12-UNR17	2.10	0.58	1 1/4
1"	1 5/16-12	-U-OD16-UNR21	2.41	0.80	1 1/2
1 1/4"	1 5/8-12	-U-OD20-UNR26①	2.81	1.02	1 7/8
1 1/2"	1 7/8-12	-U-OD24-UNR30①	3.28	1.25	2 1/8
2"	2 1/2-12	-U-OD32-UNR40①	4.23	1.72	2 3/4

①Furnished with nuts and preswaged ferrules.

Male NPT Thread Unions

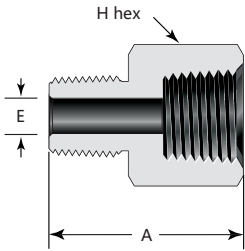


Tube OD	NPT Size	Dimension, in.(mm)			Pressure Ratings, psig(bar)	
		A	E	H	316SS, Steel	Brass
1/16	-U-NT1	1.01(25.6)	0.12(3.0)	5/16	11000(757)	5500(378)
1/8	-U-NT2	1.01(25.6)	0.19(4.8)	7/16	10000(689)	5000(344)
1/4	-U-NT4	1.40(35.6)	0.28(7.1)	9/16	8000(551)	4000(275)
3/8	-U-NT6	1.43(36.3)	0.38(9.6)	11/16	7800(537)	3900(268)
1/2	-U-NT8	1.84(46.7)	0.47(11.9)	7/8	7700(530)	3800(261)
3/4	-U-NT12	1.84(46.7)	0.62(15.7)	1 1/16	7300(502)	3600(248)
1	-U-NT16	2.32(58.9)	0.88(22.4)	1 3/8	5300(365)	2600(179)

Long fitting are available, just in the ordering number add length, Example: -U-NT8-L60M, the L60M means fitting whose total length is 60 mm.

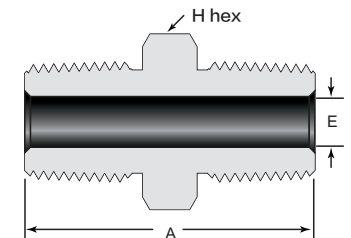
NPT Size	Basic Ordering Number	Dimension, in.(mm)			Pressure Ratings, psig(bar)	
		A	E	H	316SS, Steel	Brass
1/8 to 1/16	-U-NT2-NT1	1.01(25.6)	0.12(3.0)	7/16	11000(757)	5500(378)
1/4 to 1/8	-U-NT4-NT2	1.22(31.0)	0.19(4.8)	9/16	10000(689)	5000(344)
3/8 to 1/8	-U-NT6-NT2	1.25(31.8)	0.19(4.8)	11/16	10000(689)	5000(344)
3/8 to 1/4	-U-NT6-NT4	1.43(36.3)	0.28(7.1)	11/16	8000(551)	4000(275)
1/2 to 1/8	-U-NT8-NT2	1.47(37.3)	0.19(4.8)	7/8	7700(530)	3800(261)
1/2 to 1/4	-U-NT8-NT4	1.65(41.9)	0.28(7.1)	7/8	8000(551)	4000(275)
1/2 to 3/8	-U-NT8-NT6	1.65(41.9)	0.38(9.6)	7/8	7800(537)	3900(268)
3/4 to 1/4	-U-NT12-NT4	1.65(41.9)	0.28(7.1)	1 1/16	8000(551)	4000(275)
3/4 to 1/2	-U-NT12-NT8	1.84(46.7)	0.47(11.9)	1 1/16	7700(530)	3800(261)
1 to 1/4	-U-NT16-NT4	1.94(49.3)	0.28(7.1)	1 3/8	5300(365)	2600(179)
1 to 1/2	-U-NT16-NT8	2.13(54.1)	0.47(11.9)	1 3/8	7700(530)	3800(261)
1 to 3/4	-U-NT16-NT12	2.13(54.1)	0.62(15.7)	1 3/8	7300(502)	3600(248)

Male NPT Threads to Female NPT Threads



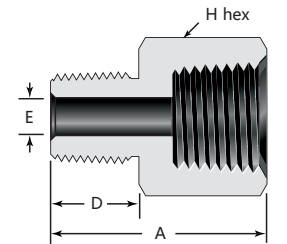
Tube OD	NPT Size	Basic Ordering Number	Dimension, in.(mm)			Pressure Ratings, psig(bar)	
			A	E	H	316SS, Steel	Brass
1/16	1/8	-U-NT1-NT2F	1.09(27.7)	0.12(3.0)	9/16	6500(447)	3200(220)
1/8	1/16	-U-NT2-NT1F	1.03(26.2)	0.19(4.8)	7/16	6700(461)	3300(227)
	1/8	-U-NT2-NT2F	1.10(27.9)	0.19(4.8)	9/16	6500(447)	3200(220)
	1/4	-U-NT2-NT4F	1.26(32.0)	0.19(4.8)	3/4	6600(454)	3300(227)
	3/8	-U-NT2-NT6F	1.33(33.8)	0.19(4.8)	7/8	5300(365)	2600(179)
	1/2	-U-NT2-NT8F	1.58(40.1)	0.19(4.8)	1 1/16	4900(337)	2400(165)
1/4	1/8	-U-NT4-NT2F	1.06(26.9)	0.28(7.1)	9/16	6500(447)	3300(227)
	1/4	-U-NT4-NT4F	1.40(35.6)	0.28(7.1)	3/4	6600(454)	3300(227)
	3/8	-U-NT4-NT6F	1.50(38.1)	0.28(7.1)	7/8	5300(365)	2600(179)
	1/2	-U-NT4-NT8F	1.76(44.7)	0.28(7.1)	1 1/16	4900(337)	2400(165)
	3/4	-U-NT4-NT12F	1.85(47.0)	0.28(7.1)	1 5/16	4600(316)	2300(158)
	1	-U-NT4-NT16F	1.96(49.8)	0.28(7.1)	1 5/8	4400(303)	2200(151)
3/8	1/8	-U-NT6-NT2F	0.86(21.8)	0.34(8.6)	11/16	9200(633)	4700(323)
	1/4	-U-NT6-NT4F	1.19(30.2)	0.38(9.6)	3/4	6600(454)	3300(227)
	3/8	-U-NT6-NT6F	1.51(38.4)	0.38(9.6)	7/8	5300(365)	2600(179)
	1/2	-U-NT6-NT8F	1.75(44.4)	0.38(9.6)	1 1/16	4900(337)	2400(165)
	3/4	-U-NT6-NT12F	1.82(46.2)	0.38(9.6)	1 5/16	4600(316)	2300(158)
1/2	1/8	-U-NT8-NT2F	1.08(27.4)	0.34(8.6)	7/8	122200(840)	6200(427)
	1/4	-U-NT8-NT4F	1.08(27.4)	0.45(11.4)	7/8	8300(571)	4400(303)
	3/8	-U-NT8-NT6F	1.41(35.8)	0.47(11.9)	7/8	5300(365)	2600(179)
	1/2	-U-NT8-NT8F	1.94(49.3)	0.47(11.9)	1 1/16	4900(337)	2400(165)
	3/4	-U-NT8-NT12F	2.02(51.3)	0.47(11.9)	1 5/16	4600(316)	2300(158)
	1	-U-NT8-NT16F	2.16(54.9)	0.47(11.9)	1 5/8	4400(303)	2200(151)
	1 1/4	-U-NT12-NT4F	1.08(27.4)	0.45(11.4)	1 1/16	122200(840)	6000(413)
3/4	3/8	-U-NT12-NT6F	1.08(27.4)	0.59(15.0)	1 1/16	8200(564)	4300(296)
	1/2	-U-NT12-NT8F	1.63(41.4)	0.62(15.7)	1 1/16	4900(337)	2400(165)
	3/4	-U-NT12-NT12F	2.01(51.3)	0.62(15.7)	1 5/16	4600(316)	2300(158)
	1	-U-NT12-NT16F	2.17(55.1)	0.62(15.7)	1 5/8	4400(303)	2200(151)
	1 1/4	-U-NT16-NT4F	1.37(34.8)	0.45(11.4)	1 3/8	14500(999)	7400(504)
1	3/8	-U-NT16-NT6F	1.37(34.8)	0.59(15.0)	1 3/8	11600(799)	5900(406)
	1/2	-U-NT16-NT8F	1.37(34.8)	0.73(18.5)	1 3/8	8600(592)	4300(297)
	3/4	-U-NT16-NT12F	1.85(47.0)	0.88(22.4)	1 3/8	5300(365)	2600(179)
	1	-U-NT16-NT16F	2.28(57.9)	0.88(22.4)	1 5/8	4400(303)	2200(151)

Male NPT Threads to Male ISO Tapered Threads



NPT Size	ISO Size	Basic Ordering Number	Dimension, in.(mm)			Pressure Ratings, psig(bar)	
			A	E	H	316SS, Steel	Brass
1/8	1/8	-U-NT2-PT2	1.01(25.6)	0.19(4.8)	7/16	10000(689)	5000(344)
1/4	1/4	-U-NT4-PT4	1.40(35.6)	0.28(7.1)	9/16	8000(551)	4000(275)
3/8	3/8	-U-NT6-PT6	1.43(36.3)	0.38(9.6)	11/16	7800(537)	3900(268)
1/2	1/2	-U-NT8-PT8	1.84(46.7)	0.47(11.9)	7/8	7700(530)	3800(261)
3/4	3/4	-U-NT12-PT12	1.84(46.7)	0.62(15.7)	1 1/16	7300(502)	3600(248)
1	1	-U-NT16-PT16	2.32(58.9)	0.88(22.4)	1 3/8	5300(365)	2600(179)

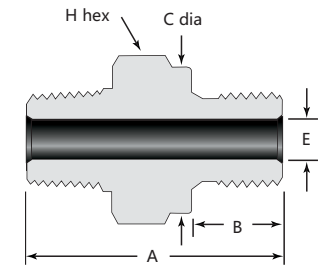
Male NPT Threads to Female ISO Tapered Threads



NPT Size	ISO Size	Basic Ordering Number	Dimension, in.(mm)				Pressure Ratings, psig(bar)	
			A	D	E	H	316SS, Steel	Brass
1/4	1/4	-U-NT4-PT4F	1.43(36.3)	0.56(14.2)	0.28(7.1)	3/4	6600(454)	3300(227)
3/8	3/8	-U-NT6-PT6F	1.51(38.4)	0.56(14.2)	0.38(9.6)	7/8	5300(365)	2600(179)
1/2	1/2	-U-NT8-PT8F	1.96(49.8)	0.75(19.1)	0.47(11.9)	1 1/16	4900(337)	2400(165)

Male NPT Threads to Male ISO Parallel Threads(PPR)
Sealing with GR gasket at male ISO threads root

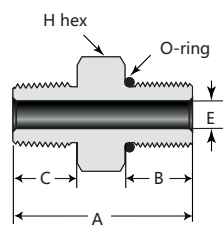
①Pressure ratings are for the NPT end connections. Pressure ratings for the male ISO end connections are dependent on the selected gasket. Contact your authorized INSEMOUNT representative for more pressure-temperature ratings.



For GR gasket, see page 85

NPT Size	ISO Size	Basic Ordering Number	Dimension, in.(mm)					Pressure Ratings①, psig(bar)	
			A	B	C	E	H	316SS, Steel	Brass
1/8	1/8	-U-NT2-PPR2	1.09(27.7)	0.28(7.1)	0.54(13.7)	0.16(4.1)	9/16	11400(785)	5700(392)
1/4	1/4	-U-NT4-PPR4	1.45(36.8)	0.44(11.2)	0.71(18.0)	0.23(5.8)	3/4	10300(709)	5100(351)
3/8	3/8	-U-NT6-PPR6	1.48(37.6)	0.44(11.2)	0.85(21.6)	0.31(7.9)	7/8	10300(709)	5100(351)
1/2	1/2	-U-NT8-PPR8	1.75(44.4)	0.56(14.2)	1.02(25.9)	0.47(11.9)	1 1/16	7600(523)	3800(261)
3/4	3/4	-U-NT12-PPR12	1.93(49.0)	0.62(15.7)	1.26(32.0)	0.62(15.7)	1 5/16	7300(502)	3600(248)
1	1	-U-NT16-PPR16	2.23(56.6)	0.72(18.3)	15.3(38.9)	0.78(19.8)	1 5/8	7400(509)	3700(254)

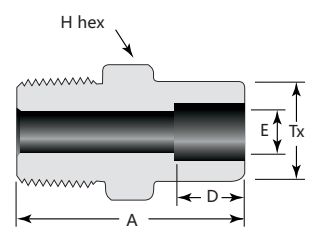
Male NPT threads to Male SAE threads
Male threads root with o-ring seal



NPT Size	SAE Size	Basic Ordering Number	Dimension, in.(mm)					O-ring① Size	Pressure Ratings, psig(bar)
			A	B	C	E	H		
1/4	7/16-20	-U-NT4-UNR7	1.20(30.5)	0.36(9.1)	0.56(14.2)	0.20(5.1)	9/16	-904	4500(310)
3/8	9/16-18	-U-NT6-UNR9	1.26(32.0)	0.36(9.1)	0.56(14.2)	0.28(7.1)	11/16	-906	4500(310)
1/2	3/4-16	-U-NT8-UNR12	1.53(38.9)	0.44(11.2)	0.75(19.1)	0.42(10.7)	7/8	-908	4500(310)
3/4	1 1/16-12	-U-NT12-UNR17	1.75(44.4)	0.59(15.0)	0.75(19.1)	0.62(15.7)	1 1/4	-912	3600(248)
1	1 5/16-12	-U-NT16-UNR21	2.00(50.8)	0.59(15.0)	0.94(23.9)	0.88(22.4)	1 1/2	-916	2900(119)

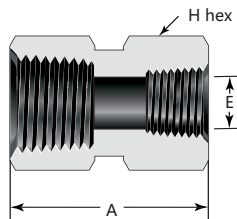
①O-ring material is 90 durometer fluorocarbon FKM. Contact your authorized INSEMOUNT representative for other material.

Male NPT Threads to Tube Socket Welding



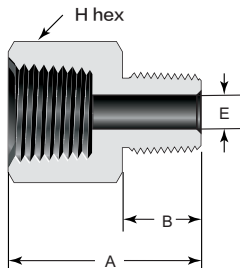
NPT Size	Tube OD	Basic Ordering Number	Dimension, in.(mm)					Pressure Ratings, psig(bar)
			A	D	E	H	Tx	
1/4	1/4"	-U-NT4-SW4	1.15(29.2)	0.28(7.1)	0.19(4.8)	9/16	0.48(12.2)	8000(551)
1/4	3/8"	-U-NT4-SW6	1.25(31.8)	0.31(7.9)	0.28(7.1)	5/8	0.60(15.2)	8000(551)
3/8		-U-NT6-SW6				11/16		7800(537)
1/2		-U-NT8-SW6				7/8		7700(530)
1/4	1/2"	-U-NT4-SW8	1.31(33.3)	0.38(9.7)	0.28(7.1)	3/4	0.73(18.5)	6600(454)
3/8		-U-NT6-SW8			0.38(9.7)			
1/2		-U-NT8-SW8			0.41(10.4)			

Female NPT Thread Unions



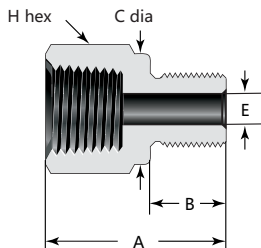
NPT Size	Basic Ordering Number	Dimension, in.(mm)			Pressure Ratings, psig(bar)	
		A	E	H	316SS, Steel	Brass
1/8	-U-NT2F	0.81(20.6)	0.43(8.6)	9/16	6500(447)	3200(220)
1/4	-U-NT4F	1.19(30.2)	0.45(11.4)	3/4	6600(454)	3300(227)
3/8	-U-NT6F	1.31(33.3)	0.59(15.0)	7/8	5300(365)	2600(179)
1/2	-U-NT8F	1.56(39.6)	0.73(18.5)	1 1/16	4900(337)	2400(165)
3/4	-U-NT12F	1.62(41.1)	0.94(23.9)	1 5/16	4600(316)	2300(158)
1	-U-NT16F	2.00(50.8)	1.17(29.7)	1 5/8	4400(303)	2200(151)
1/4 to 1/8	-U-NT4F-NT2F	1.22(31.0)	0.34(8.6)	3/4	6600(454)	3300(227)
3/8 to 1/4	-U-NT6F-NT4F	1.38(35.1)	0.45(11.4)	7/8	5300(365)	2600(179)
1/2 to 1/8	-U-NT8F-NT2F	1.56(39.6)	0.34(8.6)	1 1/16	4900(337)	2400(165)
1/2 to 1/4	-U-NT8F-NT4F	1.75(44.4)	0.45(11.4)	1 1/16	4900(337)	2400(165)
1/2 to 3/8	-U-NT8F-NT6F	1.78(45.2)	0.59(15.0)	1 1/16	4900(337)	2400(165)
3/4 to 1/4	-U-NT12F-NT4F	1.81(46.0)	0.45(11.4)	1 5/16	4600(316)	2300(158)
3/4 to 1/2	-U-NT12F-NT8F	2.06(52.3)	0.73(18.5)	1 5/16	4600(316)	2300(158)
1 to 1/2	-U-NT16F-NT8F	2.19(55.6)	0.73(18.5)	1 5/8	4400(303)	2200(151)
1 to 3/4	-U-NT16F-NT12F	2.25(57.2)	0.94(23.9)	1 5/8	4400(303)	2200(151)

Female NPT Threads to male ISO tapered Threads



NPT Size	ISO Size	Basic Ordering Number	Dimension, in.(mm)				Pressure Ratings, psig(bar)	
			A	B	E	H	316SS, Steel	Brass
1/8	1/8	-U-NT2F-PT2	1.09(27.7)	0.38(9.6)	0.19(4.8)	9/16	6500(447)	3200(220)
1/4	1/4	-U-NT4F-PT4	1.42(36.1)	0.56(14.2)	0.28(7.1)	3/4	6600(454)	3300(227)
3/8	3/8	-U-NT6F-PT6	1.50(38.1)	0.56(14.2)	0.38(9.6)	7/8	5300(365)	2600(179)
1/2	1/2	-U-NT8F-PT8	1.94(49.3)	0.75(19.1)	0.47(11.9)	1 1/16	4900(337)	2400(165)
3/4	3/4	-U-NT12F-PT12	2.02(51.3)	0.75(19.1)	0.62(15.7)	1 5/16	4600(316)	2300(158)
1	1	-U-NT16F-PT16	2.30(58.4)	0.94(23.9)	0.88(22.4)	1 5/8	4400(303)	2200(151)

Female NPT Thread to Male ISO Parallel Threads(PPR)
Sealing with GR gasket at male ISO threads root



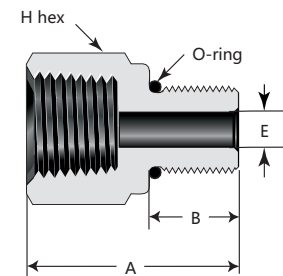
For GR gasket, see page 85

NPT Size	ISO Size	Basic Ordering Number	Dimension, in.(mm)					Pressure Ratings①, psig(bar)	
			A	B	C	E	H	316SS, Steel	Brass
1/8	1/8	-U-NT2F-PPR2	0.99(25.1)	0.28(7.1)	0.54(13.7)	0.16(4.1)	9/16	6500(447)	3200(220)
1/4	1/4	-U-NT4F-PPR4	1.32(33.5)	0.44(11.2)	0.71(18.0)	0.23(5.8)	3/4	6600(454)	3300(227)
3/8	3/8	-U-NT6F-PPR6	1.41(35.8)	0.44(11.2)	0.85(21.6)	0.31(7.9)	7/8	5300(365)	2600(179)
1/2	1/2	-U-NT8F-PPR8	1.74(44.2)	0.56(14.2)	1.02(25.9)	0.47(11.9)	1 1/16	4900(337)	2400(165)
3/4	3/4	-U-NT12F-PPR12	1.89(48.0)	0.62(15.7)	1.26(32.0)	0.62(15.7)	1 5/16	4600(316)	2300(158)
1	1	-U-NT16F-PPR16	2.10(53.3)	0.72(18.3)	1.53(38.9)	0.78(19.8)	1 5/8	4400(303)	2200(151)

①Pressure ratings are for the NPT end connections.Pressure ratings for the male ISO end connections are dependent on the selected gasket.
Contact your authorized INSEMOUNT representative for more pressure-temperature ratings.

Female NPT Threads to Male SAE Threads

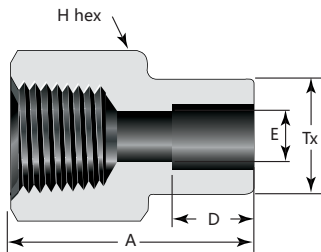
O-ring seal at male threads root



NPT Size	SAE Size	Basic Ordering Number	Dimension, in.(mm)				O-ring① Size	Pressure Ratings, psig(bar)
			A	B	E	H		
1/4	7/16-20	-U-NT4F-UNR7	1.32(33.5)	0.36(9.1)	0.20(5.1)	3/4	-904	4500(310)
3/8	9/16-18	-U-NT6F-UNR9	1.39(35.3)	0.39(9, 9)	0.28(7.1)	15/16	-906	4500(310)
1/2	3/4-16	-U-NT8F-UNR12	1.76(44.7)	0.44(11.2)	0.42(10.7)	1 1/16	-908	4500(310)
3/4	1 1/16-12	-U-NT12F-UNR17	1.99(50.5)	0.59(15.0)	0.66(16.7)	1 3/8	-912	3600(248)
1	1 5/16-12	-U-NT16F-UNR21	2.12(53.8)	0.59(15.0)	0.88(22.4)	1 5/8	-916	2900(119)

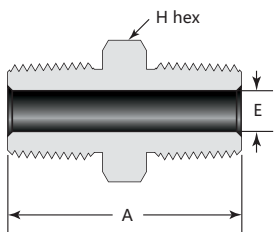
①O-ring material is 90 durometer fluorocarbon FKM. Contact your authorized INSEMOUNT representative for other material.

Female NPT Threads to Tube Socket Welding



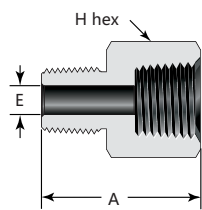
NPT Size	Tube OD	Basic Ordering Number	Dimension, in.(mm)					Pressure Ratings, psig(bar)
			A	D	E	H	Tx	
1/8	1/8"	-U-NT2F-SW2	0.83(21.2)	0.10(2.5)	0.09(2.3)	9/16	0.29(7.4)	6500(447)
1/8	1/4"	-U-NT2F-SW4	1.05(26.7)	0.28(7.1)	0.19(4.8)	9/16	0.48(12.2)	6500(447)
1/4		-U-NT4F-SW4	1.18(30.0)			3/4		6600(454)
1/4	3/8"	-U-NT4F-SW6	1.24(31.5)	0.31(7.9)	0.28(7.1)	3/4	0.60(15.2)	6600(454)
3/8	1/2"	-U-NT6F-SW8	1.36(34.5)	0.38(9.7)	0.41(10.4)	7/8	0.73(18.5)	5300(365)
1/2		-U-NT8F-SW8	1.59(40.4)			1 1/16		4900(337)
3/4		-U-NT12F-SW12	1.73(43.9)			1 5/16		4600(316)

Male ISO Tapered Thread Unions



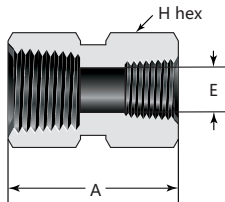
ISO Size	Basic Ordering Number	Dimension, in.(mm)			Pressure Ratings, psig(bar)	
		A	E	H	316SS, Steel	Brass
1/8	-U-PT2	1.01(25.6)	0.19(4.8)	7/16	10000(689)	5000(344)
1/4	-U-PT4	1.40(35.6)	0.28(7.1)	9/16	8000(551)	4000(275)
3/8	-U-PT6	1.43(36.3)	0.38(9.6)	11/16	7800(537)	3900(268)
1/2	-U-PT8	1.84(46.7)	0.47(11.9)	7/8	7700(530)	3800(261)
3/8 to 1/4	-U-PT6-PT4	1.43(36.3)	0.28(7.1)	11/16	7800(537)	3900(268)
1/2 to 1/8	-UT-PT8-PT2	1.47(37.3)	0.19(4.8)	7/8	7700(530)	3800(261)
1/2 to 3/8	-U-PT8-PT6	1.65(41.9)	0.38(9.6)	7/8	7800(537)	3900(268)

Male ISO Tapered Threads to Female ISO Tapered Threads



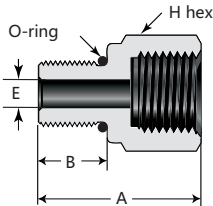
Male ISO Size	Female ISO Size	Basic Ordering Number	Dimension, in.(mm)			Pressure Ratings, psig(bar)	
			A	E	H	316SS, Steel	Brass
1/8	1/8	-U-PT2-PT2F	1.09(27.7)	0.19(4.8)	9/16	6500(447)	3200(220)
	1/4	-U-PT2-PT4F	1.26(32.0)	0.19(4.8)	3/4	6600(454)	3300(227)
1/4	1/8	-U-PT4-PT2F	1.06(26.9)	0.28(7.1)	9/16	6500(447)	3200(220)
	1/4	-U-PT4-PT4F	1.42(36.1)	0.28(7.1)	3/4	6600(454)	3300(227)
	3/8	-U-PT4-PT6F	1.50(38.1)	0.28(7.1)	7/8	5300(365)	2600(179)
	1/2	-U-PT4-PT8F	1.76(44.7)	0.28(7.1)	1 1/16	4900(337)	2400(165)
3/8	1/4	-U-PT6-PT4F	1.19(30.2)	0.38(9.6)	3/4	6600(454)	3300(227)
	3/8	-U-PT6-PT6F	1.50(38.1)	0.38(9.6)	7/8	5300(365)	2600(179)
	1/2	-U-PT6-PT8F	1.75(44.4)	0.38(9.6)	1 1/16	4900(337)	2400(165)
1/2	1/4	-U-PT8-PT4F	1.08(27.4)	0.44(11.2)	7/8	8300(571)	4400(303)
	3/8	-U-PT8-PT6F	1.41(35.8)	0.47(11.9)	7/8	5300(365)	2600(179)
	1/2	-U-PT8-PT8F	1.95(49.5)	0.47(11.9)	1 1/16	4900(337)	2400(165)

Female ISO Tapered Thread Unions



ISO Size	Basic Ordering Number	Dimension, in(mm)			Pressure Ratings, psig(bar)	
		A	E	H	316SS, Steel	Brass
1/8	-U-PT2F	0.81(20.6)	0.33(8.4)	9/16	6500(447)	3200(220)
1/4	-U-PT4F	1.19(30.2)	0.44(11.2)	3/4	6600(454)	3300(227)
3/8	-U-PT6F	1.31(33.3)	0.58(14.7)	7/8	5300(365)	2600(179)
1/2	-U-PT8F	1.56(39.6)	0.72(18.3)	1 1/16	4900(337)	2400(165)
3/8 to 1/4	-U-PT6F-PT4F	1.38(35.1)	0.44(11.2)	7/8	5300(365)	2600(179)
1/2 to 1/4	-U-PT8F-PT4F	1.75(44.4)	0.44(11.2)	1 1/16	4900(337)	2400(165)
1/2 to 3/8	-U-PT8F-PT6F	1.78(45.2)	0.58(14.7)	1 1/16	4900(337)	2400(165)

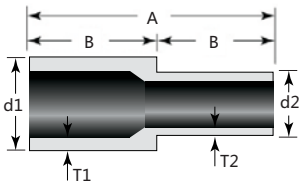
Male SAE Threads to Female SAE Threads
Male threads root with O-ring seal



Male Thread Size	Female Thread Size	Basic Ordering Number	Dimension, in(mm)				O-ring ^① Size	Pressure Ratings, psig(bar)
			A	B	E	H		
9/16-18	7/16-20	-U-UNR9-UNR7F	1.12(28.4)	0.39(9.9)	0.28(7.1)	13/16	-906	4500(310)
3/4-16	7/16-20	-U-UNR12-UNR7F	0.98(24.9)	0.44(11.2)	0.39(9.9)	7/8	-908	4500(310)
	9/16-18	-U-UNR12-UNR9F	1.19(30.2)	0.44(11.2)	0.42(10.7)	1	-908	4500(310)
7/8-14	9/16-18	-U-UNR14-UNR9F	1.10(27.9)	0.50(12.7)	0.50(12.7)	1	-910	3600(248)
	3/4-16	-U-UNR14-UNR12F	1.42(36.1)	0.50(12.7)	0.50(12.7)	1 3/16	-910	3600(248)
1 1/16-12	3/4-16	-U-UNR17-UNR12F	1.27(32.3)	0.59(15.0)	0.65(16.5)	1 1/4	-912	3600(248)
1 5/16-12	1 1/16-12	-U-UNR21-UNR17F	1.61(40.9)	0.59(15.0)	0.87(22.1)	1 5/8	-916	2900(199)
1 5/8-12	1 5/16-12	-U-UNR26-UNR21F	1.98(50.3)	0.59(15.0)	1.09(27.7)	2 1/8	-920	2300(158)
1 7/8-12	1 5/16-12	-U-UNR30-UNR21F	1.27(32.3)	0.59(15.0)	1.23(31.2)	2 1/8	-924	2300(158)

①O-ring material is 90 durometer fluorocarbon FKM.Contact your authorized INSEMOUNT representative for other material.

Tube Butt Welding Unions

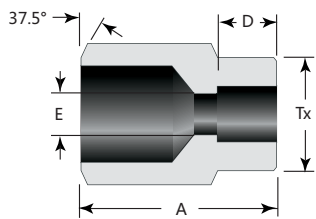


Tube OD	Wall Thickness	Tube OD	Wall Thickness	Basic Ordering Number	Dimension, in.(mm)		Pressure Ratings, psig(bar)
					A	B	
3/8"	0.035"	1/4"	0.035"	-U-BW6-BW4	1.50(38.1)	0.75(19.0)	3300(227)
1/2"	0.049"	1/4"	0.035"	-U-BW8-BW4			3700(254)
		3/8"		-U-BW8-BW6			3300(227)
3/4"	0.049"	1/2"	0.049"	-U-BW12-BW8			2400(165)
1"	0.065"	1/2"	0.049"	-U-BW16-BW8			2400(165)
		3/4"		-U-BW16-BW12			

Tube OD	Wall Thickness	Tube OD	Wall Thickness	Basic Ordering Number	Dimension, in.(mm)		Pressure Ratings, psig(bar)
					A	B	
10mm	1.0mm	6mm	1.0mm	-U-BW10M-BW6M	1.50(38.1)	0.75(19.0)	240(3483)
		8mm		-U-BW10M-BW8M			
12mm	1.0mm	6mm	1.0mm	-U-BW12M-BW6M			200(2902)
		8mm		-U-BW12M-BW8M			
		10mm		-U-BW12M-BW10M			
16mm	1.5mm	6mm	1.5mm	-U-BW16M-BW6M			200(2902)
		12mm		-U-BW16M-BW12M			

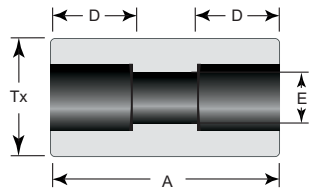
Butt weld not listed in table of wall thickness and length, please indicate in the ordering number. Example:
- U - BW8×0.065 ×20m means butt weld outside diameter is 1/2", wall thickness is 0.065", butt weld length is 20 mm;
- U- BW8×2M×20M means butt weld outside diameter is 1/2", wall thickness is 2 mm, butt weld length is 20 mm.

Pipe Butt Welding to Tube Socket Welding



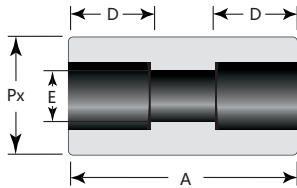
Pipe Size (Sch80)	Tube OD	Basic Ordering Number	Dimension, in.(mm)				Pressure Ratings, psig(bar)
			A	D	E	Tx	
1/4	1/4"	-U-BW4P-SW4	0.88(22.4)	0.28(7.1)	0.19(4.8)	0.48(12.2)	10300(709)
3/8	3/8"	-U-BW6P-SW6	1.03(26.2)	0.31(7.9)	0.28(7.1)	0.60(15.2)	8100(558)
	1/2"	-U-BW6P-SW8	1.00(25.4)	0.38(9.7)	0.42(10.7)	0.73(18.5)	6600(454)
1/2	1/4"	-U-BW8P-SW4	1.12(28.4)	0.28(7.1)	0.19(4.8)	0.48(12.2)	7800(537)
	3/8"	-U-BW8P-SW6	1.12(28.4)	0.31(7.9)	0.28(7.1)	0.60(15.2)	7800(537)
	1/2"	-U-BW8P-SW8	1.19(30.2)	0.38(9.7)	0.42(10.7)	0.73(18.5)	6600(454)
3/4	3/8"	-U-BW12P-SW6	1.50(38.1)	0.31(7.9)	0.28(7.1)	0.60(15.2)	6600(454)
	1/2"	-U-BW12P-SW8	1.50(38.1)	0.38(9.7)	0.42(10.7)	0.73(18.5)	6600(454)
	3/4"	-U-BW12P-SW12	1.50(38.1)	0.44(11.2)	0.62(15.7)	1.05(26.7)	5900(406)
1	3/8"	-U-BW16P-SW6	1.38(35.1)	0.31(7.9)	0.28(7.1)	0.60(15.2)	6000(413)
	1/2"	-U-BW16P-SW8	1.56(39.6)	0.44(11.2)	0.38(9.7)	0.73(18.5)	6000(413)

Tube Socket Welding Unions



Tube OD	Basic Ordering Number	Dimension, in.(mm)				Pressure Ratings, psig(bar)
		A	D	E	Tx	
1/4	-U-SW4	0.75(19.0)	0.28(7.1)	0.19(4.8)	0.48(12.2)	10700(737)
3/8"	-U-SW6	0.88(22.4)	0.31(7.9)	0.28(7.1)	0.60(15.2)	8100(558)
1/2"	-U-SW8	1.06(26.9)	0.38(9.7)	0.41(10.4)	0.73(18.5)	6600(454)
3/4"	-U-SW12	1.31(33.3)	0.44(11.2)	0.63(16.0)	1.04(26.4)	5900(406)
1"	-U-SW16	1.44(36.6)	0.62(15.7)	0.88(22.4)	1.36(34.5)	5600(385)

Pipe Socket Welding Unions



Pipe Size	Basic Ordering Number	Dimension, in.(mm)				Pressure Ratings, psig(bar)
		A	D	E	Px	
1/4	-U-SW4P	1.06(26.9)	0.39(10.0)	0.36(9.1)	0.88(22.4)	8100(558)
3/8	-U-SW6P	1.12(28.4)	0.39(10.0)	0.49(12.4)	1.03(26.2)	7100(489)
1/2	-U-SW8P	1.12(28.4)	0.39(10.0)	0.62(15.7)	1.25(31.8)	6800(468)
3/4	-U-SW12P	1.75(44.4)	0.51(13.0)	0.82(20.8)	1.47(37.3)	5800(399)
1	-U-SW16P	1.75(44.4)	0.51(13.0)	1.05(26.7)	1.86(47.2)	6100(420)

- 1.To order, add a material designator in the basic ordering number before, constitute INSEMOUNT complete ordering number, detailed information see the selection table.
- 2.All dimensions are for reference only and are subject to change.
- 3.For dimensions not shown above, please contact your authorized INSEMOUNT representative.

Straight Connectors Ordering Information

SS - U - YT 6 M - Y T 4
1 2 3 4 5

1 Material

SS	316SS
S4	304SS
S1	321SS
S6H	316H
S4H	304H
S1H	321H
S6L	316L
S4L	304L
M4	Alloy 400
M5	Alloy 500
600	Alloy 600
625	Alloy 625
800	Alloy 800
825	Alloy 825
H22	Alloy C-22
H276	Alloy C-276
D5	DuplEx 2205
D7	DuplEx 2507
C20	20# carbon steel
C105	A105 carbon steel
B	Brass
CO	Copper
T	PTFE

2 Series

U	Union
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3 End Connection Type

YT	YT-LOK Tube end
OD	Tube adapter
NT	NPT thread
PT	ISO tapered thread
PP	ISO parallel thread (seal with G gasket)
PPG	ISO parallel thread (seal with GE gasket)
PPR	ISO parallel thread (seal with GR gasket)
PPA	Positionable ISO parallel thread
MS	Metric thread
MSR	Metric thread (seal with O-ring)
MSA	Positionable metric thread
UNR	American unified thread (seal with O-ring)
UNA	Positionable SAE thread
BW	Butt welding
SW	Socket welding

4 End Connection Size

1	1/16" or 1mm
2	1/8" or 2mm
3	3/16" or 3mm
4	1/4" or 4mm
5	5/16" or 5mm
6	3/8" or 6mm
7	7/16" or 7mm
8	1/2" or 8mm
9	9/16" or 9mm
10	5/8" or 10mm
11	11/16" or 11mm
12	3/4" or 12mm
13	13/16" or 13mm
14	7/8" or 14mm
15	15/16" or 15mm
16	1" or 16mm

For metric threads

8	M8×1
10	M10×1
12	M12×1.5
14	M14×1.5
16	M16×1.5
18	M18×1.5
20	M20×1.5
22	M22×1.5
24	M24×1.5
27	M27×2
30	M30×2
33	M33×2

For threads not appeared above please marked the pitch:

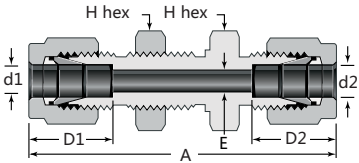
20×2	M20×2
27×1.5	M27×1.5

The model code of YT-LOK straight connectors contains: material, series, the first end connection, the second end connection. The sequence of the four parts is from left to right, Each part separated by "-". The principle of the order between the two end connections as following:

1. See the top priorities as the first end connection. Another one as a second end connection.
2. When the two of the end connection type and size were the same, take the metric sizes as the fist, For the same kind of threads, take the male threads as the fist, Same as butt welding or socket welding, metric sizes as the fist, then is inch sizes, then is pipe.
3. After above principles, take the big one as the first end connection.
4. When the two end connections are identical, take any one as the first end connection and the second end connection will be omitted.

Bulkhead Connectors

Tube Fitting Bulkhead Unions

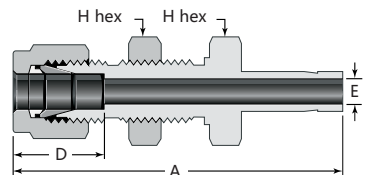


Tube OD		Basic Ordering Number	Dimension, in.						
d1	d2		A	D1	D2	E	H	Panel Hole Size	Max Panel Thickness
1/16"	1/16"	-BU-YT1	1.24	0.34	0.34	0.05	5/16	13/64	0.12①
1/8"	1/8"	-BU-YT2	2.02	0.5	0.5	0.09	1/2	21/64	0.5
3/16"	3/16"	-BU-YT3	2.11	0.54	0.54	0.12	9/16	25/64	
1/4"	1/4"	-BU-YT4	2.27	0.6	0.6	0.19	5/8	29/64	0.4
5/16"	5/16"	-BU-YT5	2.39	0.64	0.64	0.25	11/16	33/64	0.44
3/8"	3/8"	-BU-YT6	2.45	0.66	0.66	0.28	3/4	37/64	
1/2"	1/2"	-BU-YT8	2.8	0.9	0.9	0.41	15/16	49/64	0.5
5/8"	5/8"	-BU-YT10	2.86	0.96	0.96	0.5	11/16	57/64	
3/4"	3/4"	-BU-YT12	3.11	0.96	0.96	0.62	13/16	11/64	0.66
1"	1"	-BU-YT16	3.77	1.23	1.23	0.88	1 5/8	1 21/64	0.75
1 1/4"	1 1/4"	-BU-YT20	4.85	1.62	1.62	1.09	1 7/8	1 41/64	
1 1/2"	1 1/2"	-BU-YT24	5.48	1.97	1.97	1.34	2 1/4	1 61/64	
2"	2"	-BU-YT32	7.1	2.66	2.66	1.81	2 3/4	2 41/64	

①Minimum panel thickness is 0.06 in.(1.5mm)

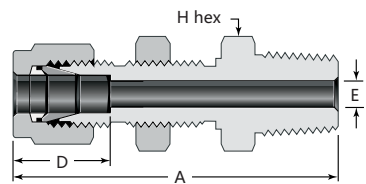
Tube OD		Basic Ordering Number	Dimension, (mm)						
d1	d2		A	D	D2	E	H	Panel Hole Size	Max Panel Thickness
3mm	3mm	-BU-YT3M	51.3	12.9	12.9	2.4	14	8.3	12.7
4mm	4mm	-BU-YT4M	53.6	13.7	13.7	2.4		9.9	
6mm	6mm	-BU-YT6M	57.7	15.3	15.3	4.8	16	11.5	10.2
8mm	8mm	-BU-YT8M	61	16.2	16.2	6.4	18	13.1	11.2
10mm	10mm	-BU-YT10M	63.7	17.2	17.2	7.9	22	16.3	
12mm	12mm	-BU-YT12M	71	22.8	22.8	9.5	24	19.5	12.7
14mm	14mm	-BU-YT14M	72.5	24.4	24.4	11.1	27	22.5	
15mm	15mm	-BU-YT15M	72.5	24.4	24.4	11.9		22.8	
16mm	16mm	-BU-YT16M	72.5	24.4	24.4	12.7			
18mm	18mm	-BU-YT18M	78.9	24.4	24.4	15.1	30	26	16.8
20mm	20mm	-BU-YT20M	84.5	26	26	15.9	35	29	19
25mm	25mm	-BU-YT25M	96	31.3	31.3	21.8	41	34	
30mm	30mm	-BU-YT30M	124	39.6	39.6	26.2	50	40.5	
32mm	32mm	-BU-YT32M	128	42	42	28.6		42.5	
38mm	38mm	-BU-YT38M	145	49.4	49.4	33.7	60	50.5	

Tube Ends to Tube Adapters



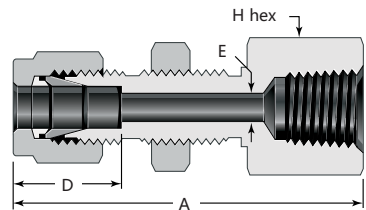
Tube OD	Basic Ordering Number	Dimension, in.					
		A	D	E	H	Panel Hole Size	Max Panel Thickness
1/8	-BU-YT2-OD2	1.95	0.50	0.08	1/2	21/64	0.50
1/4"	-BU-YT4-OD4	2.20	0.60	0.17	5/8	29/64	0.40
3/8"	-BU-YT6-OD6	2.41	0.66	0.27	3/4	37/64	0.44
1/2"	-BU-YT8-OD8	2.87	0.90	0.37	15/16	49/64	0.50
5/8"	-BU-YT10-OD10	2.96	0.96	0.47	1 1/16	57/64	0.50
3/4"	-BU-YT12-OD12	3.21	0.96	0.58	1 3/16	1 1/64	0.66
1"	-BU-YT16-OD16	3.95	1.23	0.80	1 5/8	1 21/64	0.75

Tube Ends to Male NPT Threads



Tube OD	NPT Size	Basic Ordering Number	Dimension, in.(mm) □					
			A	D	E	H	Panel Hole Size	Max Panel Thickness
1/8"	1/8	-BU-YT2-NT2	1.83	0.50	0.09	1/2	21/64	0.50
1/4"	1/8	-BU-YT4-NT2	1.95	0.60	0.19	5/8	29/64	0.40
	1/4	-BU-YT4-NT4	2.13					
3/8"	1/4	-BU-YT6-NT4	2.26	0.66	1.28	3/4	37/64	0.44
	3/8	-BU-YT6-NT6	2.26					
	1/2	-BU-YT6-NT8	2.51					
1/2"	3/8	-BU-YT8-NT6	2.49	0.90	0.38 0.41	15/16	49/64	0.50
	1/2	-BU-YT8-NT8	2.71					
3/4"	3/4	-BU-YT12-NT12	3.00	0.96	0.62	1 3/16	1 1/64	0.66
1"	1	-BU-YT16-NT16	3.67	1.23	0.88	1 5/8	1 21/64	0.75
6mm	1/8	-BU-YT6M-NT2	(49.5)	(15.3)	(4.8)	(16)	(11.5)	(10.2)
	1/4	-BU-YT6M-NT4	(53.6)					
12mm	1/2	-BU-YT12M-NT8	(68.8)	(22.8)	(9.5)	(24)	(19.5)	(12.7)

Tube Ends to Female NPT Threads



Tube OD	NPT Size	Basic Ordering Number	Dimension, in.(mm)					
			A	D	E	H	Panel Hole Size	Max Panel Thickness
1/8"	1/8	-BU-YT2-NT2F	1.76	0.50	0.09	9/16	21/64	0.50
1/4"	1/8	-BU-YT4-NT2F	1.85	0.60	0.19	5/8	29/64	0.40
	1/4	-BU-YT4-NT4F	2.04			3/4		
3/8"	1/4	-BU-YT6-NT4F	2.17	0.66	0.28	3/4	37/64	0.44
1/2"	3/8	-BU-YT8-NT6F	2.43	0.90	0.41	15/16	49/64	0.50
	1/2	-BU-YT8-NT8F	2.62			1 1/16		
6mm	1/4	-BU-YT6M-NT4F	(51.8)	(15.3)	(4.8)	(19)	(11.5)	(10.2)
12mm	1/2	-BU-YT12M-NT8F	(66.5)	(22.8)	(9.5)	(27)	(19.5)	(12.7)

- 1.To order, add a material designator in the basic ordering number before, constitute INSEMOUNT complete ordering number detailed information see the selection table.
- 2.All dimensions are for reference only and are subject to change.
- 3.For dimensions not shown above, please contact your authorized INSEMOUNT representative.

Bulkhead Connectors Ordering Information

SS - BU - YT 6 M - YT4
1 2 3 4 5

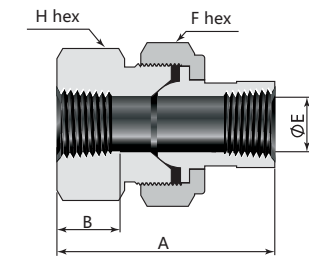
- | 1 | Material | 3 | End Connection Type | 4 | End Connection Size |
|------|---------------------|-----|---|--------|--|
| SS | 316SS | YT | YT-LOK Tube end | 1 | 1/16" or 1mm |
| S4 | 304SS | OD | Tube adapter | 2 | 1/8" or 2mm |
| S1 | 321SS | NT | NPT thread | 3 | 3/16" or 3mm |
| S6H | 316H | PT | ISO tapered thread | 4 | 1/4" or 4mm |
| S4H | 304H | PP | ISO parallel thread (seal with G gasket) | 5 | 5/16" or 5mm |
| S1H | 321H | PPG | ISO parallel thread (seal with GE gasket) | 6 | 3/8" or 6mm |
| S6L | 316L | PPR | ISO parallel thread (seal with GR gasket) | 7 | 7/16" or 7mm |
| S4L | 304L | PPA | Positionable ISO parallel thread | 8 | 1/2" or 8mm |
| M4 | Alloy 400 | MS | Metric thread | 9 | 9/16" or 9mm |
| M5 | Alloy 500 | MSR | Metric thread (seal with O-ring) | 10 | 5/8" or 10mm |
| 600 | Alloy 600 | MSA | Positionable metric thread | 11 | 11/16" or 11mm |
| 625 | Alloy 625 | UNR | American unified thread (seal with O-ring) | 12 | 3/4" or 12mm |
| 800 | Alloy 800 | UNA | Positionable SAE thread | 13 | 13/16" or 13mm |
| 825 | Alloy 825 | BW | Butt welding | 14 | 7/8" or 14mm |
| H22 | Alloy C-22 | SW | Socket welding | 15 | 15/16" or 15mm |
| H276 | Alloy C-276 | | | 16 | 1" or 16mm |
| D5 | DuplEx 2205 | | | | |
| D7 | DuplEx 2507 | | | | For metric threads |
| C20 | 20# carbon steel | | | 8 | M8×1 |
| C105 | A105 carbon steel | | | 10 | M10×1 |
| B | Brass | | | 12 | M12×1.5 |
| CO | Copper | | | 14 | M14×1.5 |
| T | PTFE | | | 16 | M16×1.5 |
| | | | | 18 | M18×1.5 |
| | | | | 20 | M20×1.5 |
| | | | | 22 | M22×1.5 |
| | | | | 24 | M24×1.5 |
| | | | | 27 | M27×2 |
| | | | | 30 | M30×2 |
| | | | | 33 | M33×2 |
| | | | | | For threads not appeared above
please marked the pitch: |
| | | | | 20×2 | M20×2 |
| | | | | 27×1.5 | M27×1.5 |
| 2 | Series | 5 | Distinguish Code | | |
| BU | Bulkhead Connectors | F | Stamp F for female threads | | |
| | | M | Stamp M for metric sizes | | |
| | | P | Stamp P for Pipe Butt welding or Socket welding | | |

The model code of YT-LOK bulkhead connectors contains: material, series, the first end connection, the second end connection. The sequence of the four parts is from left to right, Each part separated by "-".The end connection with bulkhead end as the first. Another one as a second. When the two end connection are identical, take any one as the first end connection and the second end connection will be omitted.

Detachable Connectors

Metal Ball Head Seal Detachable Connectors

Female NPT thread Unions



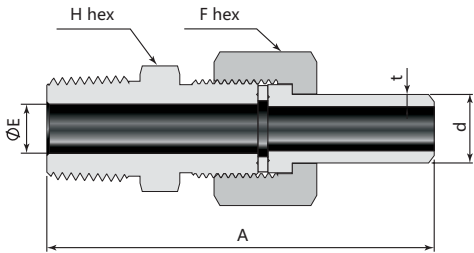
NPT Size	Basic Ordering Number	Dimension, mm					Pressure Ratings, psig(bar) 316SS, Steel
		A	B	E	F	H	
1/8	-JM-NT2F	46.0	10.4	6.8	28.6	23.8	8400 (578)
1/4	-JM-NT4F	59.4	15.0	9.1	34.9	30.2	6600 (454)
3/8	-JM-NT6F	63.5	15.0	13.2	38.1	33.3	5300 (365)
1/2	-JM-NT8F	68.3	19.8	15.7	44.5	41.3	6000 (410)
3/4	-JM-NT12F	79.2	20.6	22.4	54.0	47.6	4600 (316)
1	-JM-NT16F	90.4	25.4	26.2	63.5	60.3	6800 (468)

Female ISO Tapered Thread Unions

ISO Size	Basic Ordering Number	Dimension, mm					Pressure Ratings, psig(bar) 316SS, Steel
		A	B	E	F	H	
1/8	-JM-PT2F	46.0	10.4	6.8	28.6	23.8	8400 (578)
1/4	-JM-PT4F	59.4	15.0	9.1	34.9	30.2	6600 (454)
3/8	-JM-PT6F	63.5	15.0	13.2	38.1	33.3	5300 (365)
1/2	-JM-PT8F	68.3	19.8	15.7	44.5	41.3	6000 (410)
3/4	-JM-PT12F	79.2	20.6	22.4	54.0	47.6	4600 (316)
1	-JM-PT16F	90.4	25.4	26.2	63.5	60.3	6800 (468)

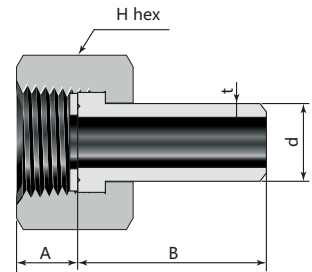
Gasket Seal Detachable Connectors

Male NPT Threads to Tube Butt Welding



NPT Size	Tube OD	Wall Thickness	Basic Ordering Number	Dimension, mm				Pressure Ratings, psig(bar)
				A	E	H	F	
1/8	14mm	2.5mm	-JC-NT2-BW14M×2.5M	69	4.8	19	22	6280 (433)
1/4	6mm	1.8mm	-JC-NT4-BW6M×1.8M	60	3	14	14	8240 (566)
	8mm	1.8mm	-JC-NT4-BW8M×1.8M	73.2	4	14	16	8240 (566)
	10mm	2.2mm	-JC-NT4-BW10M×2.2M	73.2	6	15	18	8160 (563)
	12mm	2.2mm	-JC-NT4-BW12M×2.2M	73.2	7	18	22	6470 (446)
	14mm	2.5mm	-JC-NT4-BW14M×2.5M	73.2	7.1	19	22	6280 (433)
	16mm	2.8mm	-JC-NT4-BW16M×2.8M	73.2	7.1	22	25	6140 (423)
	18mm	2.8mm	-JC-NT4-BW18M×2.8M	74.2	7.1	24	27	5670 (392)
3/8	14mm	2.5mm	-JC-NT6-BW14M×2.5M	73.2	9.7	19	22	6280 (433)
1/2	12mm	2.2mm	-JC-NT8-BW12M×2.2M	78	7	18	22	6470 (446)
	14mm	2.5mm	-JC-NT8-BW14M×2.5M	78	9	19	22	6280 (433)
	16mm	2.8mm	-JC-NT8-BW16M×2.8M	78	10	22	25	6140 (423)
	22mm	3.0mm	-JC-NT8-BW22M×3M	82	11.9	30	32	4620 (319)
	25mm	2.8mm	-JC-NT8-BW25M×2.8M	86	11.9	32	35	4730 (326)
1	25mm	3.5mm	-JC-NT16-BW25M×3.5M	103	17	35	35	4730 (326)

Female ISO Parallel Threads to Tube Butt Welding



ISO Size	Tube OD	Wall Thickness	Basic Ordering Number	Dimension, mm			Pressure Ratings, psig(bar)
				A	B	H	
1/2	12mm	2.2mm	-JC-PP8F-BW12M×2.2M	11	34	27	6470 (446)
	14mm	2.5mm	-JC-PP8F-BW14M×2.5M				6280 (433)
	16mm	2.8mm	-JC-PP8F-BW16M×2.8M				6140 (423)

Female Metric Threads to Tube Butt Welding

Metric Thread Size	Tube OD	Wall Thickness	Basic Ordering Number	Dimension, mm			Pressure Ratings, psig(bar)
				A	B	H	
M12 × 1.5	6mm	1.8mm	-JC-MS12F-BW6M×1.8M	9	25	16	12660 (873)
	8mm	1.8mm	-JC-MS12F-BW8M×1.8M		30		8320 (574)
M14 × 1.5	8mm	1.8mm	-JC-MS14F-BW8M×1.8M	9	30	18	8320 (574)
	10mm	2.2mm	-JC-MS14F-BW10M×2.2M				8160 (563)
M16 × 1.5	8mm	1.8mm	-JC-MS16F-BW8M×1.8M	9	30	22	8320 (574)
	10mm	2.2mm	-JC-MS16 F-BW10M×2.2M		30		8160 (563)
	12mm	2.2mm	-JC-MS16F-BW12M×2.2M		34		6470 (446)
M18 × 1.5	10mm	2.2mm	-JC-MS18F-BW10M×2.2M	10	34	22	8160 (563)
	12mm	2.2mm	-JC-MS18F-BW12M×2.2M				6470 (446)
	14mm	2.5mm	-JC-MS18F-BW14M×2.5M				6280 (433)
M20 × 1.5	10mm	2.2mm	-JC-MS20F-BW10M×2.2M	11	34	25	8160 (563)
	12mm	2.2mm	-JC-MS20F-BW12M×2.2M				6470 (446)
	14mm	2.5mm	-JC-MS20F-BW14M×2.5M				6280 (433)
	15mm	2.5mm	-JC-MS20F-BW15M×2.5M				6160 (425)
	16mm	2.8mm	-JC-MS20F-BW16M×2.8M				6140 (423)
M22 × 1.5	14mm	2.5mm	-JC-MS22F-BW14M×2.5M	11	34	27	6280 (433)
	16mm	2.8mm	-JC-MS22F-BW16M×2.8M				6140 (423)
M24 × 1.5	16mm	2.8mm	-JC-MS24F-BW16M×2.8M	11	34	30	6140 (423)
	18mm	2.8mm	-JC-MS24F-BW18M×2.8M				5670 (392)
	20mm	3.0mm	-JC-MS24F-BW20M×3M				5110 (352)
M27 × 2	14mm	2.5mm	-JC-MS27F-BW14M×2.5M	14	34	32	6280 (433)
	16mm	2.8mm	-JC-MS27F-BW16M×2.8M		34		6140 (423)
	18mm	2.8mm	-JC-MS27F-BW18M×2.8M		34		5670 (392)
	20mm	3.0mm	-JC-MS27F-BW20M×3M		40		5110 (352)
	22mm	3.0mm	-JC-MS27F-BW22M×3M		40		4620 (319)
M30 × 2	22mm	3.0mm	-JC-MS30F-BW22M×3M	18	40	35	4620 (319)
	25mm	3.5mm	-JC-MS30F-BW25M×3.5M		45		4730 (326)
M33 × 2	28mm	4.0mm	-JC-MS33F-BW28M×4M	18	45	41	5160 (356)
M36 × 2	30mm	4.0mm	-JC-MS36F-BW30M×4M	18	45	41	4760 (328)

For other wall thickness butt welding, please indicate in the ordering number. Example: -JC-NT2-BW14M×2M means butt welding outside diameter is 14mm, wall thickness is 2mm.
JC series gasket default material for copper, can provide PTFE gasket sealing detachable connector, add -T in the ordering number back.Example: to order 1/2 NPT thread to 22mm×3mm butt welding with PTFE gasket sealing detachable connector, the basic ordering number is -JC-NT8-BW22M×3M-T.

1. To order, add a material designator in the basic ordering number before, constitute INSEMOUNT complete ordering number, detailed information see the selection table.
2. All dimensions are for reference only and are subject to change.
3. For dimensions not shown above, please contact your authorized INSEMOUNT representative.

Detachable Connectors Ordering Information

SS - JC - YT 6 M - Y T 4
1 2 3 4 5

1	Material	3	End Connection Type	4	End Connection Size
SS	316SS	YT	YT-LOK Tube end	1	1/16" or 1mm
S4	304SS	OD	Tube adapter	2	1/8" or 2mm
S1	321SS	NT	NPT thread	3	3/16" or 3mm
S6H	316H	PT	ISO tapered thread	4	1/4" or 4mm
S4H	304H	PP	ISO parallel thread (seal with G gasket)	5	5/16" or 5mm
S1H	321H	PPG	ISO parallel thread (seal with GE gasket)	6	3/8" or 6mm
S6L	316L	PPR	ISO parallel thread (seal with GR gasket)	7	7/16" or 7mm
S4L	304L	PPA	Positionable ISO parallel thread	8	1/2" or 8mm
M4	Alloy 400	MS	Metric thread	9	9/16" or 9mm
M5	Alloy 500	MSR	Metric thread (seal with O-ring)	10	5/8" or 10mm
600	Alloy 600	MSA	Positionable metric thread	11	11/16" or 11mm
625	Alloy 625	UNR	American unified thread (seal with O-ring)	12	3/4" or 12mm
800	Alloy 800	UNA	Positionable SAE thread	13	13/16" or 13mm
825	Alloy 825	BW	Butt welding	14	7/8" or 14mm
H22	Alloy C-22	SW	Socket welding	15	15/16" or 15mm
H276	Alloy C-276			16	1" or 16mm
D5	DuplEx 2205				
D7	DuplEx 2507				
C20	20# carbon steel				
C105	A105 carbon steel				
B	Brass				
CO	Copper				
T	PTFE				

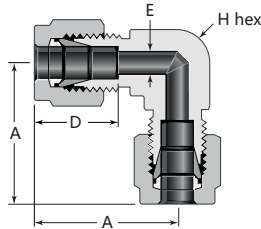
5	Distinguish Code
F	Stamp F for female threads
M	Stamp M for metric sizes
P	Stamp P for Pipe Butt welding or Socket welding

2	Series
JM	Metal ball head seal detachable connector
JC	Gasket seal detachable connector

- The model code of YT-LOK detachable connectors contains: material, series, the first end connection, the second end connection. The sequence of the four parts is from left to right, Each part separated by "-". The principle of the order between the two end connections as following:
- See 5 the top priorities as the first end connection. Another one as a second end connection.
 - When the two of the end connections were the same, take the metric sizes as the fist, For the same kind of threads, take the male threads as the fist, Same as butt welding or socket welding, metric sizes as the fist, then is inch sizes, then is pipe.
 - After above principles, take the big one as the first end connection.
 - When the two end connections are identical, take any one as the first end connection and the second end connection will be omitted.

90° Elbows

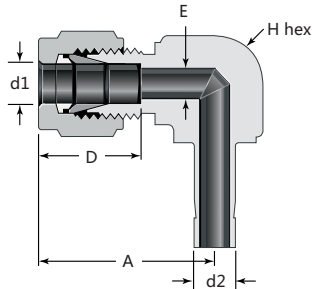
Tube Fitting Elbows



Tube OD	Basic Ordering Number	Dimension, in.			
		A	D	E	H
1/16"	-L-YT1	0.70	0.34	0.05	3/8
1/8"	-L-YT2	0.88	0.50	0.09	3/8
3/16"	-L-YT3	1.00	0.54	0.12	1/2
1/4"	-L-YT4	1.06	0.60	0.19	1/2
5/16"	-L-YT5	1.13	0.64	0.25	9/16
3/8"	-L-YT6	1.20	0.66	0.28	5/8
1/2"	-L-YT8	1.42	0.90	0.41	13/16
5/8"	-L-YT10	1.50	0.96	0.50	15/16
3/4"	-L-YT12	1.57	0.96	0.62	1 1/16
7/8"	-L-YT14	1.76	1.02	0.72	1 3/8
1"	-L-YT16	1.93	1.23	0.88	1 3/8
1 1/8"	-L-YT18	2.17	1.23	0.97	1 11/16
1 1/4"	-L-YT20	2.67	1.62	1.09	1 11/16
1 1/2"	-L-YT24	3.10	1.97	1.34	2
2"	-L-YT32	4.22	2.66	1.81	2 3/4

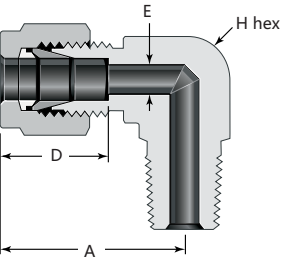
Tube OD	Basic Ordering Number	Dimension, mm			
		A	D	E	H
3mm	-L-YT3M	22.3	12.9	2.4	9.5
4mm	-L-YT4M	25.4	13.7	2.4	12.7
6mm	-L-YT6M	27.0	15.3	4.8	12.7
8mm	-L-YT8M	28.8	16.2	6.4	14.3
10mm	-L-YT10M	31.5	17.2	7.9	17.5
12mm	-L-YT12M	36.0	22.8	9.5	20.6
14mm	-L-YT14M	38.0	24.4	11.1	22.2
15mm	-L-YT15M	38.0	24.4	11.9	22.2
16mm	-L-YT16M	38.0	24.4	12.7	22.2
18mm	-L-YT18M	39.8	24.4	15.1	27
20mm	-L-YT20M	44.6	26.0	15.9	34.9
22mm	-L-YT22M	44.6	26.0	18.3	34.9
25mm	-L-YT25M	49.1	31.3	21.8	34.9
28mm	-L-YT28M	64.0	36.6	21.8	41
30mm	-L-YT30M	69.9	39.6	26.2	46
32mm	-L-YT32M	72.3	42.0	28.6	46
38mm	-L-YT38M	84.0	49.4	33.7	55
50mm	-L-YT50M	106	65.0	45.2	69.9

Tube Ends to Tube Adapters

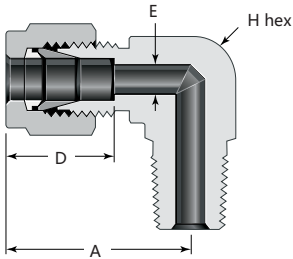


Tube OD		Basic Ordering Number	Dimension, mm			
d1	d2		A	D	E	H
6mm	6mm	-L-YT6M-OD6M	27.0	15.3	4.6	12.7
12mm	12mm	-L-YT12M-OD12M	38.1	22.1	8.8	23.8

Tube Ends to Male NPT Threads

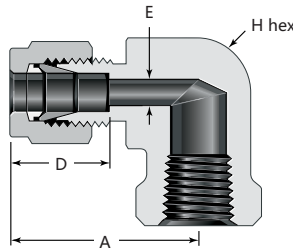


Tube OD	NPT Size	Basic Ordering Number	Dimension, in.			
			A	D	E	H
1/16"	1/16	-L-YT1-NT1	0.75	0.34	0.05	7/16
	1/8	-L-YT1-NT2				
1/8"	1/16	-L-YT2-NT1	0.93	0.50	0.09	7/16
	1/8	-L-YT2-NT2	0.93			7/16
	1/4	-L-YT2-NT4	0.97			1/2
3/16"	1/8	-L-YT3-NT2	1.00	0.54	0.12	1/2
	1/4	-L-YT3-NT4				
1/4"	1/16	-L-YT4-NT1	1.06	0.60	0.12	1/2
	1/8	-L-YT4-NT2	1.06		0.19	1/2
	1/4	-L-YT4-NT4	1.06		0.19	1/2
	3/8	-L-YT4-NT6	1.17		0.19	11/16
	1/2	-L-YT4-NT8	1.25		0.19	13/16
5/16"	1/8	-L-YT5-NT2	1.13	0.64	0.19	9/16
	1/4	-L-YT5-NT4	1.13		0.25	9/16
	3/8	-L-YT5-NT6	1.20		0.25	11/16
3/8"	1/8	-L-YT6-NT2	1.20	0.66	0.19	5/8
	1/4	-L-YT6-NT4	1.20		0.28	5/8
	3/8	-L-YT6-NT6	1.23		0.28	11/16
	1/2	-L-YT6-NT8	1.31		0.28	13/16
	3/4	-L-YT6-NT12	1.46		0.28	1 1/16
1/2"	1/4	-L-YT8-NT4	1.42	0.90	0.28	13/16
	3/8	-L-YT8-NT6	1.42		0.38	13/16
	1/2	-L-YT8-NT8	1.42		0.41	13/16
	3/4	-L-YT8-NT12	1.57		0.41	1 1/16
5/8"	3/8	-L-YT10-NT6	1.50	0.96	0.38	15/16
	1/2	-L-YT10-NT8	1.50		0.47	15/16
	3/4	-L-YT10-NT12	1.57		0.50	1 1/16
3/4"	1/2	-L-YT12-NT8	1.57	0.96	0.47	1 1/16
	3/4	-L-YT12-NT12			0.62	
7/8"	3/4	-L-YT14-NT12	1.76	1.02	0.62	1 3/8
1"	3/4	-L-YT16-NT12	1.93	1.23	0.62	1 3/8
	1	-L-YT16-NT16			0.88	
1 1/4"	1 1/4	-L-YT20-NT20	2.67	1.62	1.09	1 11/16
1 1/2"	1 1/2	-L-YT24-NT24	3.10	1.97	1.34	2
2"	2	-L-YT32-NT32	4.22	2.66	1.81	2 3/4



Tube OD	NPT Size	Basic Ordering Number	Dimension, mm			
			A	D	E	H
3mm	1/8	-L-YT3M-NT2	23.6	12.9	2.4	11.1
	1/4	-L-YT3M-NT4	24.6			12.7
4mm	1/8	-L-YT4M-NT2	25.4	13.7	2.4	12.7
	1/4	-L-YT4M-NT4				
6mm	1/8	-L-YT6M-NT2	27.0	15.3	4.8	12.7
	1/4	-L-YT6M-NT4	27.0			12.7
	3/8	-L-YT6M-NT6	29.8			17.5
	1/2	-L-YT6M-NT8	31.8			20.6
8mm	1/8	-L-YT8M-NT2	28.8	16.2	4.8	14.3
	1/4	-L-YT8M-NT4	28.8		6.4	14.3
	3/8	-L-YT8M-NT6	30.6		6.4	17.5
	1/2	-L-YT8M-NT8	32.6		6.4	20.6
10mm	1/8	-L-YT10M-NT2	31.5	17.2	4.8	17.5
	1/4	-L-YT10M-NT4	31.5		7.1	17.5
	3/8	-L-YT10M-NT6	31.5		7.9	17.5
	1/2	-L-YT10M-NT8	33.5		7.9	20.6
12mm	1/4	-L-YT12M-NT4	36.0	22.8	7.1	20.6
	3/8	-L-YT12M-NT6	36.0		9.5	20.6
	1/2	-L-YT12M-NT8	36.0		9.5	20.6
	3/4	-L-YT12M-NT12	39.8		9.5	27
15mm	1/2	-L-YT15M-NT8	38.0	24.4	11.9	22.2
16mm	3/8	-L-YT16M-NT6	38.0	24.4	9.5	22.2
	1/2	-L-YT16M-NT8	38.0		11.9	22.2
	3/4	-L-YT16M-NT12	39.8		12.7	17.5
18mm	1/2	-L-YT18M-NT8	39.8	24.4	11.9	27
	3/4	-L-YT18M-NT12			15.1	
20mm	1/2	-L-YT20M-NT8	44.6	26.0	11.9	34.9
	3/4	-L-YT20M-NT12			15.9	
22mm	3/4	-L-YT22M-NT12	44.6	26.0	15.9	34.9
	1	-L-YT22M-NT16			18.3	
25mm	3/4	-L-YT25M-NT12	49.1	31.3	15.9	34.9
	1	-L-YT25M-NT16			21.8	
30mm	1 1/4	-L-YT30M-NT20	69.9	39.6	26.2	46
32mm	1 1/4	-L-YT32M-NT20	72.3	42.0	27.8	46
38mm	1 1/2	-L-YT38M-NT24	84.0	49.4	33.7	55

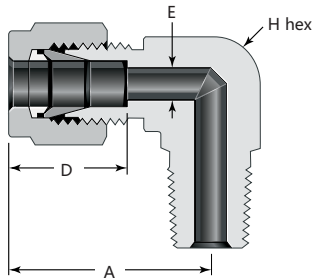
Tube Ends to Female NPT Threads



Tube OD	NPT Size	Basic Ordering Number	Dimension, in.			
			A	D	E	H
1/8"	1/8	-L-YT2-NT2F	0.97			1/2
	1/4	-L-YT2-NT4F	1.08	0.50	0.09	11/16
3/16"	1/8	-L-YT3-NT2F	1.00	0.54	0.12	1/2
1/4"	1/8	-L-YT4-NT2F	1.06			1/2
	1/4	-L-YT4-NT4F	1.17			11/16
	3/8	-L-YT4-NT6F	1.25	0.60	0.19	13/16
	1/2	-L-YT4-NT8F	1.36			1
5/16"	1/8	-L-YT5-NT2F	1.13			9/16
	1/4	-L-YT5-NT4F	1.20	0.64	0.25	11/16
3/8"	1/8	-L-YT6-NT2F	1.20			5/8
	1/4	-L-YT6-NT4F	1.23			11/16
	3/8	-L-YT6-NT6F	1.31	0.66	0.28	13/16
	1/2	-L-YT6-NT8F	1.42			1
1/2"	1/4	-L-YT8-NT4F	1.42			13/16
	3/8	-L-YT8-NT6F	1.42	0.90	0.41	13/16
	1/2	-L-YT8-NT8F	1.53			1
5/8"	3/8	-L-YT10-NT6F	1.50			15/16
	1/2	-L-YT10-NT8F	1.57	0.96	0.50	1 1/16
3/4"	1/2	-L-YT12-NT8F	1.57			1 1/16
	3/4	-L-YT12-NT12F	1.76	0.96	0.62	1 3/8
7/8"	3/4	-L-YT14-NT12F	1.76	1.02	0.72	1 3/8
1"	3/4	-L-YT16-NT12F	1.93			1 3/8
	1	-L-YT16-NT16F	2.11	1.23	0.88	1 11/16

Tube OD	NPT Size	Basic Ordering Number	Dimension, mm.			
			A	D	E	H
6mm	1/8	-L-YT6M-NT 2F	27.0			12.7
	1/4	-L-YT6M-NT4F	29.8	15.3	4.8	17.5
	1/2	-L-YT6M-NT8F	34.6			25.4
8mm	1/4	-L-YT8M-NT4F	30.6	16.2	6.4	17.5
10mm	1/8	-L-YT10M-NT2F	31.5			17.5
	1/4	-L-YT10M-NT4F	33.5	17.2	7.9	20.6
12mm	1/4	-L-YT12M-NT4F	36.0			20.6
	1/2	-L-YT12M-NT8F	38.8	22.8	9.5	25.4
16mm	1/2	-L-YT16M-NT8F	39.5	24.4	12.7	27

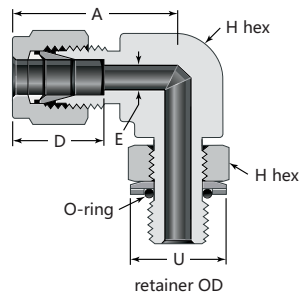
Tube Ends to Male ISO Tapered Threads



Tube OD	ISO Size	Basic Ordering Number	Dimension, in.			
			A	D	E	H
1/8"	1/8	-L-YT2-PT2	0.83			7/16
	1/4	-L-YT2-PT4	0.97	0.50	0.09	1/2
1/4"	1/8	-L-YT4-PT2	1.06			1/2
	1/4	-L-YT4-PT4	1.06			1/2
	3/8	-L-YT4-PT6	1.17	0.60	0.19	11/16
	1/2	-L-YT4-PT8	1.25			13/16
5/16"	1/4	-L-YT5-PT4	1.13	0.64	0.25	9/16
3/8"	1/8	-L-YT6-PT2	1.20			5/8
	1/4	-L-YT6-PT4	1.20	0.66	0.28	5/8
	3/8	-L-YT6-PT6	1.23			11/16
1/2"	1/4	-L-YT8-PT4			0.28	
	3/8	-L-YT8-PT6	1.42	0.90	0.38	13/16
	1/2	-L-YT8-PT8			0.41	
3/4"	1/2	-L-YT12-PT8	1.57	0.96	0.47	1 3/8
1"	1	-L-YT16-PT16	1.93	1.23	0.88	1 3/8

Tube OD	ISO Size	Basic Ordering Number	Dimension, mm			
			A	D	E	H
3mm	1/8	-L-YT3M-PT2	23.6			11.1
	1/4	-L-YT3M-PT4	24.6	12.9	2.4	12.7
4mm	1/8	-L-YT4M-PT2	25.4			12.7
	1/4	-L-YT4M-PT4		13.7	2.4	
6mm	1/8	-L-YT6M-PT2	27.0			12.7
	1/4	-L-YT6M-PT4	27.0			12.7
	3/8	-L-YT6M-PT6	29.8	15.3	4.8	17.5
	1/2	-L-YT6M-PT8	31.8			20.6
8mm	1/8	-L-YT8M-PT2	28.8			17.5
	1/4	-L-YT8M-PT4	28.8			14.3
	3/8	-L-YT8M-PT6	30.6	16.2	6.4	17.5
	1/2	-L-YT8M-PT8	32.6		6.4	20.6
10mm	1/4	-L-YT10M-PT4	31.5		7.1	17.5
	3/8	-L-YT10M-PT6	31.5	17.2	7.9	17.5
	1/2	-L-YT10M-PT8	33.5		7.9	20.6
12mm	1/8	-L-YT12M-PT2	36.0		4.8	20.6
	1/4	-L-YT12M-PT4	36.0		7.1	20.6
	3/8	-L-YT12M-PT6	36.0	22.8	9.5	20.6
	1/2	-L-YT12M-PT8	36.0		9.5	20.6
14mm	1/2	-L-YT14M-PT8	39.8		9.5	17.5
14mm	1/2	-L-YT14M-PT8	38.1	24.4	11.1	23.8
15mm	1/2	-L-YT15M-PT8	38.1	24.4	11.9	23.8
16mm	3/8	-L-YT16M-PT6			9.5	
	1/2	-L-YT16M-PT8	38.0	24.4	11.9	23.8
18mm	1/2	-L-YT18M-PT8			11.9	
	3/4	-L-YT18M-PT12	39.8	24.4	15.1	27
20mm	1/2	-L-YT20M-PT8			11.9	
	3/4	-L-YT20M-PT12	44.6	26.0	15.9	34.9
22mm	3/4	-L-YT22M-PT12			15.9	
	1	-L-YT22M-PT16	44.6	26.0	18.3	34.9
25mm	3/4	-L-YT25M-PT12			15.9	
	1	-L-YT25M-PT16	49.1	31.3	21.8	34.9
28mm	1	-L-YT28M-PT16	65.0	36.6	21.8	41

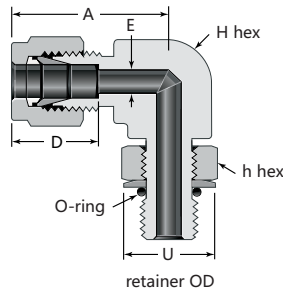
Tube Ends to Positionable ISO Parallel Threads (PPA)



Tube OD	ISO Size	Basic Ordering Number	Dimension, in.					
			A	D	E	H	h	U
1/4"	1/8	-L-YT4-PPA2	1.06	0.60	0.16	1/2	9/16	0.60
	1/4	-L-YT4-PPA4	1.14		0.19	5/8	3/4	0.80
3/8"	1/4	-L-YT6-PPA4	1.20	0.66	0.23	5/8	3/4	0.80
	3/8	-L-YT6-PPA6	1.31		0.28	13/16	7/8	0.96
1/2"	1/4	-L-YT8-PPA4	1.42	0.90	0.23	13/16	3/4	0.80
	3/8	-L-YT8-PPA6	1.42		0.31	13/16	7/8	0.96
	1/2	-L-YT8-PPA8	1.50		0.41	15/16	1 1/16	1.16
5/8"	1/2	-L-YT10-PPA8	1.50	0.96	0.47	15/16	1 1/16	1.16
3/4"	1/2	-L-YT12-PPA8	1.57	0.96	0.47	1 1/16	1 1/16	1.16
	3/4	-L-YT12-PPA12			0.62		1 3/8	1.43
1"	3/4	-L-YT16-PPA12	1.93	1.23	0.62	1 3/8	1 3/8	1.43
	1	-L-YT16-PPA16			0.78		1 5/8	1.82

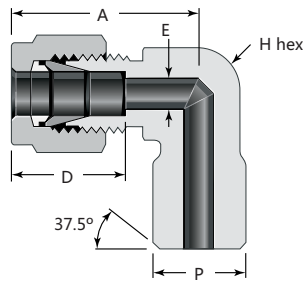
Tube OD	ISO Size	Basic Ordering Number	Dimension, mm					
			A	D	E	H	h	U
6mm	1/8	-L-YT6M-PPA2	27.0	15.3	4.0	12.7	14.3	15.2
	1/4	-L-YT6M-PPA4	29.0		4.8	15.9	19.1	20.3
8mm	1/8	-L-YT8M-PPA2	28.8	16.2	4.0	14.3	14.3	15.2
	1/4	-L-YT8M-PPA4	29.9		5.9	15.9	19.1	20.3
10mm	1/4	-L-YT10M-PPA4	33.5	17.2	5.9	20.6	19.1	20.3
	3/8	-L-YT10M-PPA6			7.9		22.2	24.4
12mm	1/4	-L-YT12M-PPA4	36.0	22.8	5.9	20.6	19.1	20.3
	3/8	-L-YT12M-PPA6	36.0		7.9	20.6	22.2	24.4
	1/2	-L-YT12M-PPA8	38.0		9.5	22.2	27.0	29.5
	3/4	-L-YT12M-PPA12	39.8		9.5	27.0	34.9	36.3

Tube Ends to Positionable SAE threads(UNA)



Tube OD	SAE Size	Basic Ordering Number	Dimension, in.					
			A	D	E	H	h	U
1/4"	7/16-20	-L-YT4-UNA7	1.12	0.60	0.19	1/2	9/16	0.65
	9/16-18	-L-YT4-UNA9	1.20			5/8	11/16	0.79
5/16"	1/2-20	-L-YT5-UNA8	1.19	0.64	0.23	9/16	5/8	0.72
3/8"	7/16-20	-L-YT6-UNA7	1.26	0.66	0.20	5/8	9/16	0.65
	9/16-18	-L-YT6-UNA9	1.26		0.28	5/8	11/16	0.79
	3/4-16	-L-YT6-UNA12	1.37		0.28	13/16	7/8	1.01
1/2"	9/16-18	-L-YT8-UNA9	1.48	0.90	0.28	13/16	11/16	0.79
	3/4-16	-L-YT8-UNA12			0.41		7/8	1.01
5/8"	7/8-14	-L-YT10-UNA14	1.56	0.96	0.50	15/16	1	1.16
3/4"	1 1/16-12	-L-YT12-UNA17	1.63	0.96	0.62	1 1/16	1 1/4	1.44
7/8"	1 3/16-12	-L-YT14-UNA19	1.70	1.06	0.72	1 3/16	1 3/8	1.59
1"	1 5/16-12	-L-YT16-UNA21	1.99	1.23	0.88	1 3/8	1 1/2	1.73
1 1/4"	1 5/8-12	-L-YT20-UNA26	2.67	1.62	1.09	1 11/16	1 7/8	2.16
1 1/2"	1 7/8-12	-L-YT24-UNA30	3.07	1.97	1.34	2	2 1/8	2.45
2"	2 1/2-12	-L-YT32-UNA40	4.22	2.66	1.81	2 3/4	2 3/4	3.16

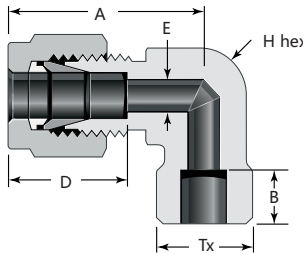
Tube Ends to Pipe Butt Welding



Tube OD	Pipe Size	Basic Ordering Number	Dimension, in.				
			A	D	E	H	P
1/4"	1/8	-L-YT4-BW2P	1.06	0.60	0.19	1/2	0.405
	1/4	-L-YT4-BW4P					0.540
3/8"	1/4	-L-YT6-BW4P	1.20	0.66	0.28	5/8	0.540
1/2"	1/2	-L-YT8-BW8P	1.42	0.90	0.41	13/16	0.840
3/4"	3/4	-L-YT12-BW12P	1.57	0.96	0.62	1 1/16	1.050

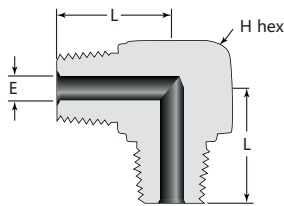
Wall thickness of the pipe butt welding is based on schedule 80, other wall thickness of the pipe butt welding, please indicate in the ordering number. Example: -L-YT4-BW8PxS160 means butt welding size is NPS 1/2, schedule is 160.

Tube Ends to Tube Socket Welding



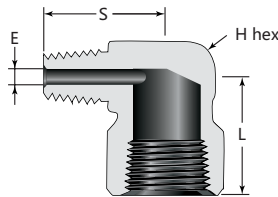
Tube OD	Tube OD	Basic Ordering Number	Dimension, in.					
			A	B	D	E	H	Tx
1/4"	1/4"	-L-YT4-SW4	1.06	0.28	0.60	0.19	1/2	0.50
3/8"	3/8"	-L-YT6-SW6	1.20	0.31	0.66	0.28	5/8	0.63
1/2"	1/2"	-L-YT8-SW8	1.42	0.38	0.90	0.41	13/16	0.81
3/4"	3/4"	-L-YT12-SW12	1.57	0.44	0.96	0.62	1 1/16	1.06
1"	1"	-L-YT16-SW16	1.93	0.62	1.23	0.88	1 3/8	1.38

Male NPT Thread Elbows



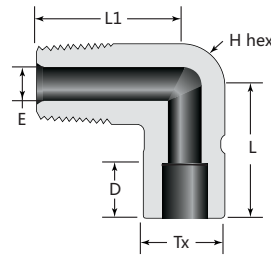
NPT Size	Basic Ordering Number	Dimension, in.(mm)			Pressure Ratings, psig(bar)	
		E	L	H	316SS, Steel	Brass
1/8	-L-NT2	0.19(4.8)	0.88(22.4)	7/16	10000(689)	5000(344)
1/4	-L-NT4	0.28(7.1)	1.05(26.7)	1/2	8000(551)	4000(275)
3/8	-L-NT6	0.38(9.6)	1.17(29.7)	11/16	7800(537)	3900(268)
1/2	-L-NT8	0.47(11.9)	1.45(36.8)	13/16	7700(530)	3800(261)

Male&Female NPT Thread Elbows



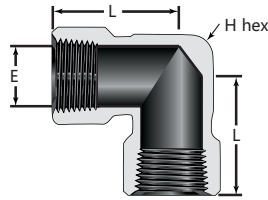
Male NPT Size	Female NPT Size	Basic Ordering Number	Dimension, in.(mm)				Pressure Ratings, psig(bar)	
			E	L	S	H	316SS, Steel	Brass
1/16	1/16	-L-NT1-NT1F	0.12(3.0)	0.86(21.8)	0.88(22.4)	7/16	9200(633)	4600(316)
1/16	1/8	-L-NT1-NT2F	0.12(3.0)	1.04(26.4)	0.87(22.1)	1/2	6200(427)	3100(213)
1/8	1/8	-L-NT2-NT2F	0.19(4.8)	1.04(26.4)	0.87(22.1)	1/2	6200(427)	3100(213)
1/8	1/4	-L-NT2-NT4F	0.19(4.8)	1.17(29.7)	1.00(25.4)	11/16	7200(496)	3600(248)
1/4	1/4	-L-NT4-NT4F	0.28(7.1)	1.17(29.7)	1.00(25.4)	11/16	7200(496)	3600(248)
1/4	3/8	-L-NT4-NT6F	0.28(7.1)	1.42(36.1)	1.26(32.0)	13/16	5600(385)	2800(192)
1/4	1/2	-L-NT4-NT8F	0.28(7.1)	1.56(39.6)	1.38(35.1)	1	5600(385)	2800(192)
3/8	3/8	-L-NT6-NT6F	0.38(9.6)	1.42(36.1)	1.26(32.0)	13/16	5600(385)	2800(192)
3/8	1/2	-L-NT6-NT8F	0.38(9.6)	1.56(39.6)	1.38(35.1)	1	5600(385)	2800(192)
1/2	1/2	-L-NT8-NT8F	0.47(11.9)	1.56(39.6)	1.56(39.6)	1	5600(385)	2800(192)
3/4	3/4	-L-NT12-NT12F	0.62(15.7)	1.92(48.8)	1.67(42.4)	1 1/4	5100(351)	2500(172)
1	1	-L-NT16-NT16F	0.88(22.4)	1.91(48.5)	1.94(49.3)	1 11/16	5300(365)	2600(179)

Male NPT Threads to Tube Socket Welding



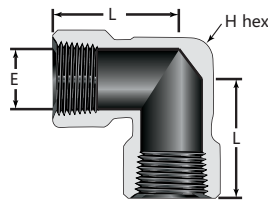
NPT Size	Tube OD	Basic Ordering Number	Dimension, in.(mm)						Pressure Ratings, psig(bar)
			D	E	H	L	L1	Tx	
1/4	1/4"	-L-NT4-SW4	0.28(7.1)	0.19(4.8)	1/2	0.79(20.1)	1.05(26.7)	0.48(12.2)	8000(551)
3/8	1/4"	-L-NT6-SW4	0.31(7.9)	0.28(7.1)	1/2	1.04(26.4)	1.05(26.7)	0.64(16.3)	8000(551)
	3/8"	-L-NT6-SW6			11/16	0.97(24.6)	1.17(29.7)	0.60(15.2)	7800(537)
	1/2"	-L-NT6-SW8			13/16	1.02(25.9)	1.45(36.8)	0.60(15.2)	7700(530)
1/2	1/2"	-L-NT8-SW8	0.38(9.7)	0.41(10.4)	13/16	1.08(27.4)	1.45(36.8)	0.73(18.5)	6600(454)

Female NPT Thread Elbows



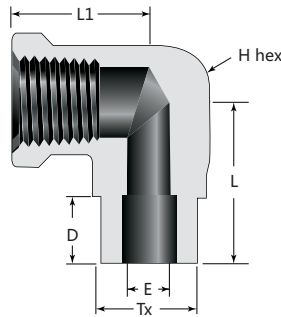
NPT Size	Basic Ordering Number	Dimension, in.(mm)			Pressure Ratings, psig(bar)	
		E	L	H	316SS, Steel	Brass
1/8	-L-NT2F	0.34(8.6)	1.04(26.4)	1/2	6200(427)	3100(213)
1/4	-L-NT4F	0.45(11.4)	1.17(29.7)	11/16	7200(496)	3600(248)
3/8	-L-NT6F	0.59(15.0)	1.42(36.1)	13/16	5600(385)	2800(192)
1/2	-L-NT8F	0.73(18.5)	1.56(39.6)	1	5600(385)	2800(192)
3/4	-L-NT12F	0.94(23.9)	1.92(48.8)	1 1/4	5100(351)	2500(172)
1	-L-NT16F	1.17(29.7)	1.91(48.5)	1 11/16	6400(440)	3200(220)

Female ISO Tapered Thread Elbows



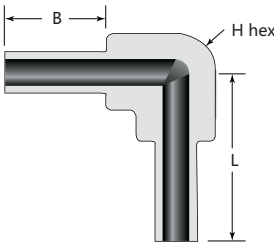
ISO Size	Basic Ordering Number	Dimension, in.(mm)			Pressure Ratings, psig(bar)	
		E	L	H	316SS, Steel	Brass
1/4	-L-PT4F	0.44(11.2)	1.17(29.7)	11/16	7200(496)	3600(248)
3/8	-L-PT6F	0.58(14.7)	1.42(36.1)	13/16	5600(385)	2800(192)
1/2	-L-PT8F	0.72(18.3)	1.56(39.6)	1	5600(385)	2800(192)

Female NPT Threads to Tube Socket Welding



NPT Size	Tube OD	Basic Ordering Number	Dimension, in.(mm)						Pressure Ratings, psig(bar)
			D	E	H	L	L1	Tx	
1/4	1/4"	-L-NT4F-SW4	0.28(7.1)	0.19(4.8)	11/16	0.79(20.1)	1.05(26.7)	0.48(12.2)	7400(509)
1/4	3/8"	-L-NT4F-SW6	0.31(7.9)	0.28(7.1)	11/16	1.04(26.4)	1.05(26.7)	0.60(15.2)	7400(509)
1/2		-L-NT8F-SW6			1	0.97(24.6)	1.56(39.6)		5700(392)
1/2	1/2"	-L-NT8F-SW8	0.38(9.7)	0.41(10.4)	1	1.02(25.9)	1.56(39.6)	0.73(18.5)	5700(392)

Tube Butt Welding Elbows

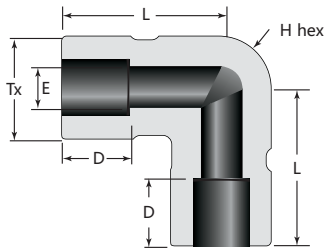


Tube OD	Wall Thickness	Basic Ordering Number	Dimension, in.(mm)			Pressure Ratings, psig(bar)
			B	H	L	
1/4"	0.035"	-L-BW4	0.75(19.0)	7/16	1.23(31.2)	5100(351)
3/8"	0.035"	-L-BW6		7/16	1.20(30.5)	3300(227)
1/2"	0.049"	-L-BW8		11/16	1.34(34.0)	3700(254)
3/4"	0.049"	-L-BW12		15/16	1.46(37.1)	2400(165)

Tube OD	Wall Thickness	Basic Ordering Number	Dimension, mm(in.)			Pressure Ratings, psig(bar)
			B	H	L	
6mm	1.0mm	-L-BW6M	19.0 (0.75)	(7/16)	31.2(1.23)	420(6095)
8mm	1.0mm	-L-BW8M		(7/16)	31.2(1.23)	310(4499)
10mm	1.0mm	-L-BW10M		(11/16)	34.0(1.34)	240(3483)
12mm	1.0mm	-L-BW12M		(11/16)	34.0(1.34)	200(2902)
18mm	1.5mm	-L-BW18M		(15/16)	37.6(1.48)	200(2902)

Butt weld not listed in table of wall thickness and length, please indicate in the ordering number. Example: - L - BW8-0.065-20m means butt weld outside diameter is 1/2", wall thickness is 0.065", butt weld length is 20 mm; - L - BW8-2M-20M means butt weld outside diameter is 1/2", wall thickness is 2 mm, butt weld length is 20 mm.

Tube Socket Welding Elbows



Tube OD	Basic Ordering Number	Dimension, in.(mm)					Pressure Ratings, psig(bar)
		D	E	H	L	Tx	
1/4	-L-SW4	0.28(7.1)	0.19(4.8)	7/16	0.86(21.8)	0.53(13.5)	10700(737)
3/8"	-L-SW6	0.31(7.9)	0.28(7.1)	1/2	1.04(26.4)	0.64(16.3)	8100(558)
1/2"	-L-SW8	0.38(9.7)	0.41(10.4)	11/16	1.17(29.7)	0.81(20.6)	6600(454)
3/4"	-L-SW12	0.44(11.2)	0.63(16.0)	1	1.56(39.6)	1.12(28.4)	5900(406)
1"	-L-SW16	0.62(15.7)	0.88(22.4)	1 1/4	1.92(48.8)	1.44(36.6)	5600(385)

1. To order, add a material designator in the basic ordering number before, constitute INSEMOUNT complete ordering number, detailed information see the selection table.
2. All dimensions are for reference only and are subject to change.
3. For dimensions not shown above, please contact your authorized INSEMOUNT representative.

90° Elbows Ordering Information

SS - L - YT6M - YT4

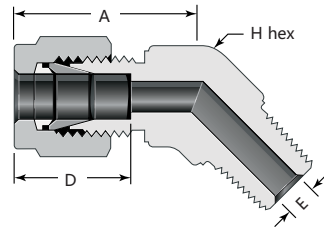
[illegible]

The model code of YT-LOK 90° elbows contains: material, series, the first end connection, the second end connection. The sequence of the four parts is from left to right, Each part separated by "-". The principle of the order between the two end connections as following:

- 1、See 3 the top priorities as the first end connection. Another one as a second end connection.
- 2、When the two of the end connections were the same, take the metric sizes as the fist, For the same kind of threads, take the male threads as the fist, Same as butt welding or socket welding, metric sizes as the fist, then is inch sizes, then is pipe.
- 3、After above principles, take the big one as the first end connection.
- 4、When the two end connections are identical, take any one as 1 the first end connection and the second end connection will be omitted.

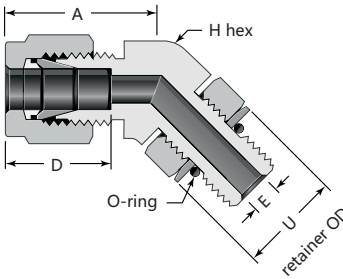
45° Elbows

Tube Ends to Male NPT Threads



Tube OD	NPT Size	Basic Ordering Number	Dimension, in.			
			A	D	E	H
1/4"	1/8	-E-YT4-NT2	0.97	0.60	0.19	1/2
	1/4	-E-YT4-NT4				
3/8"	1/8	-E-YT6-NT2	1.10		0.19	5/8
	1/4	-E-YT6-NT4	1.10	0.66	0.28	5/8
	3/8	-E-YT6-NT6	1.15		0.28	13/16
1/2"	3/8	-E-YT8-NT6	1.26	0.90	0.38	13/16
	1/2	-E-YT8-NT8			0.41	
3/4"	3/4	-E-YT12-NT12	1.33	0.96	0.62	1 1/16
1"	1	-E-YT16-NT16	1.59	1.23	0.88	1 3/8

Tube Ends to Positionable SAE Threads(UNA)



Tube OD	SAE Size	Basic Ordering Number	Dimension, in.				
			A	D	E	H	U
1/4"	7/16-20	-E-YT4-UNA7	1.01	0.60	0.19	1/2	0.65
3/8"	9/16-18	-E-YT6-UNA9	1.10	0.66	0.28	5/8	0.79
1/2"	3/4-16	-E-YT8-UNA12	1.26	0.90	0.41	13/16	1.01
3/4"	1 1/16-12	-E-YT12-UNA17	1.33	0.96	0.62	1 1/16	1.44
1"	1 5/16-12	-E-YT16-UNA21	1.59	1.23	0.88	1 3/8	1.73

1. To order, add a material designator in the basic ordering number before, constitute INSEMOUNT complete ordering number, detailed information see the selection table.
2. All dimensions are for reference only and are subject to change.
3. For dimensions not shown above, please contact your authorized INSEMOUNT representative.

45° Elbows Ordering Information

SS - E - YT6M - YT4

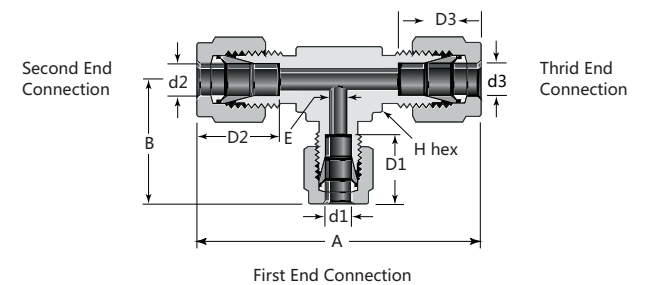
1	Material	3	End Connection Type	4	End Connection Size
SS	316SS	YT	YT-LOK Tube end	1	1/16" or 1mm
S4	304SS	OD	Tube adapter	2	1/8" or 2mm
S1	321SS	NT	NPT thread	3	3/16" or 3mm
S6H	316H	PT	ISO tapered thread	4	1/4" or 4mm
S4H	304H	PP	ISO parallel thread (seal with G gasket)	5	5/16" or 5mm
S1H	321H	PPG	ISO parallel thread (seal with GE gasket)	6	3/8" or 6mm
S6L	316L	PPR	ISO parallel thread (seal with GR gasket)	7	7/16" or 7mm
S4L	304L	PPA	Positionable ISO parallel thread	8	1/2" or 8mm
M4	Alloy 400	MS	Metric thread	9	9/16" or 9mm
M5	Alloy 500	MSR	Metric thread (seal with O-ring)	10	5/8" or 10mm
600	Alloy 600	MSA	Positionable metric thread	11	11/16" or 11mm
625	Alloy 625	UNR	American unified thread (seal with O-ring)	12	3/4" or 12mm
800	Alloy 800	UNA	Positionable SAE thread	13	13/16" or 13mm
825	Alloy 825	BW	Butt welding	14	7/8" or 14mm
H22	Alloy C-22	SW	Socket welding	15	15/16" or 15mm
H276	Alloy C-276			16	1" or 16mm
D5	DuplEx 2205			For metric threads	
D7	DuplEx 2507			8	M8×1
C20	20# carbon steel			10	M10×1
C105	A105 carbon steel			12	M12×1.5
B	Brass			14	M14×1.5
CO	Copper			16	M16×1.5
T	PTFE			18	M18×1.5
				20	M20×1.5
				22	M22×1.5
				24	M24×1.5
				27	M27×2
				30	M30×2
				33	M33×2
				For threads not appeared above please marked the pitch:	
				20×2	M20×2
				27×1.5	M27×1.5
2	Series	5	Distinguish Code		
E	45°Elbow	F	Stamp F for female threads		
		M	Stamp M for metric sizes		
		P	Stamp P for Pipe Butt welding or Socket welding		

The model code of YT-LOK 45° elbows contains: material, series, the first end connection, the second end connection. The sequence of the four parts is from left to right. Each part separated by "-". The principle of the order between the two end connections as following:

1. See 6.1 the top priorities as the first end connection. Another one as a second end connection.
2. When the two of the end connections were the same, take the metric sizes as the first. For the same kind of threads, take the male threads as the first. Same as butt welding or socket welding, metric sizes as the first, then is inch sizes, then is pipe.
3. After above principles, take the big one as the first end connection.
4. When the two end connections are identical, take any one as the first end connection and the second end connection will be omitted.

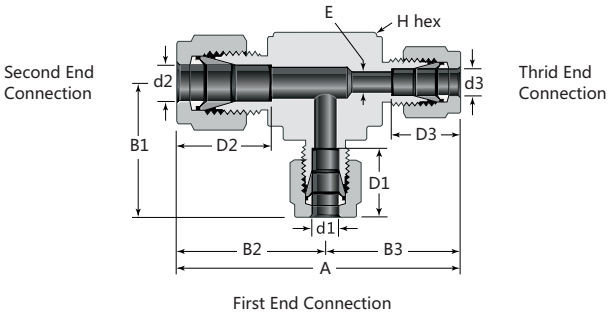
Tees

Tube Fitting Tees



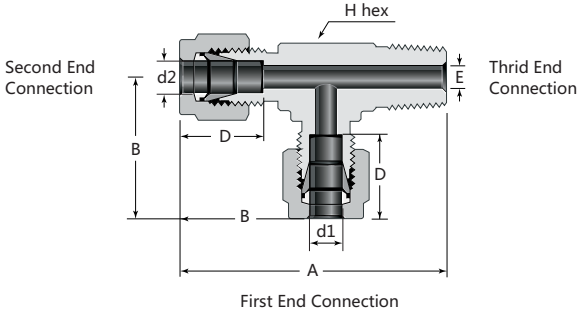
Tube OD			Basic Ordering Number	Dimension, in.						
d1	d2	d3		A	B	D1	D2	D3	E	H
1/4"	3/8"	3/8"	-T-YT4-YT6-YT6	2.40	1.14	0.60	0.66	0.66	0.19	5/8
1/4"	1/2"	1/2"	-T-YT4-YT8-YT8	2.84	1.25	0.60	0.90	0.90	0.19	13/16
3/8"			-T-YT6-YT8-YT8		1.31	0.66			0.28	
3/8"	5/8"	5/8"	-T-YT6-YT10-YT10	3.06	1.42	0.66	0.96	0.96	0.28	1
3/8"	3/4"	3/4"	-T-YT6-YT12-YT12	3.14	1.46	0.66	0.96	0.96	0.28	1 1/16
1/2"			-T-YT8-YT12-YT12		1.57	0.90			0.41	
3/8"	1"	1"	-T-YT6-YT16-YT16	3.86	1.65	0.66	1.23	1.23	0.28	1 3/8
1/2"			-T-YT8-YT16-YT16		1.76	0.90			0.41	
3/4"			-T-YT12-YT16-YT16		1.76	0.96			0.62	
1"	1 1/4"	1 1/4"	-T-YT16-YT20-YT20	5.34	2.17	1.23	1.62	1.62	0.88	1 1/16
1"	1 1/2"	1 1/2"	-T-YT16-YT24-YT24	6.20	2.36	1.23	1.97	1.97	0.88	2
1"	2"	2"	-T-YT16-YT32-YT32	8.44	2.79	1.23	2.66	2.66	0.88	2 3/4
1/16"	1/16"	1/16"	-T-YT1	1.40	0.70	0.34	0.34	0.34	0.05	3/8
1/8"	1/8"	1/8"	-T-YT2	1.76	0.88	0.50	0.50	0.50	0.09	3/8
3/16"	3/16"	3/16"	-T-YT3	1.92	0.96	0.54	0.54	0.54	0.12	7/16
1/4"	1/4"	1/4"	-T-YT4	2.12	1.06	0.60	0.60	0.60	0.19	1/2
5/16"	5/16"	5/16"	-T-YT5	2.34	1.17	0.64	0.64	0.64	0.25	5/8
3/8"	3/8"	3/8"	-T-YT6	2.40	1.20	0.66	0.66	0.66	0.28	5/8
1/2"	1/2"	1/2"	-T-YT8	2.84	1.42	0.90	0.90	0.90	0.41	13/16
5/8"	5/8"	5/8"	-T-YT10	3.06	1.53	0.96	0.96	0.96	0.50	1
3/4"	3/4"	3/4"	-T-YT12	3.14	1.57	0.96	0.96	0.96	0.62	1 1/16
7/8"	7/8"	7/8"	-T-YT14	3.52	1.76	1.02	1.02	1.02	0.72	13/8
1"	1"	1"	-T-YT16	3.86	1.93	1.23	1.23	1.23	0.88	13/8
1 1/8"	1 1/8"	1 1/8"	-T-YT18	4.34	2.17	1.23	1.23	1.23	0.97	1 11/16
1 1/4"	1 1/4"	1 1/4"	-T-YT20	5.34	2.67	1.62	1.62	1.62	1.09	1 11/16
1 1/2"	1 1/2"	1 1/2"	-T-YT24	6.20	3.10	1.97	1.97	1.97	1.34	2
2"	2"	2"	-T-YT32	8.44	4.22	2.66	2.66	2.66	1.81	2 3/4

Tube OD	Basic Ordering Number	Dimension, mm						
d1, d2, d3		A	B	D1	D2	D3	E	H
2mm	-T-YT2M	44.7	22.3	12.9	12.9	12.9	1/7	9.5
3mm	-T-YT3M	44.7	22.3	12.9	12.9	12.9	2.4	9.5
4mm	-T-YT4M	50.8	25.4	12.9	12.9	12.9	2.4	9.5
6mm	-T-YT6M	53.9	27.0	15.3	15.3	15.3	4.8	12.7
8mm	-T-YT8M	59.7	29.9	16.2	16.2	16.2	6.4	15.9
10mm	-T-YT10M	63.0	31.5	17.2	17.2	17.2	7.9	17.5
12mm	-T-YT12M	72.0	36.0	22.8	22.8	22.8	9.5	20.6
14mm	-T-YT14M	77.6	38.8	24.4	24.4	24.4	11.1	25.4
15mm	-T-YT15M	77.6	38.8	24.4	24.4	24.4	11.9	25.4
16mm	-T-YT16M	77.6	38.8	24.4	24.4	24.4	12.7	25.4
18mm	-T-YT18M	79.6	39.8	24.4	24.4	24.4	15.1	27
20mm	-T-YT20M	89.3	44.6	26.0	26.0	26.0	15.9	34.9
22mm	-T-YT22M	89.3	44.6	26.0	26.0	26.0	18.3	34.9
25mm	-T-YT25M	98.3	49.1	31.3	31.3	31.3	21.8	34.9
28mm	-T-YT28M	128	64.0	36.6	36.6	36.6	21.8	41
30mm	-T-YT30M	140	69.9	39.6	39.6	39.6	26.2	46
32mm	-T-YT32M	145	72.3	42.0	42.0	42.0	28.6	46
38mm	-T-YT38M	168	84.0	49.4	49.4	49.4	33.7	55
50mm	-T-YT50M	211	106	65.0	65.0	65.0	45.2	69.9



Tube OD			Basic Ordering Number	Dimension, in.								
d1	d2	d3		A	B1	B2	B3	D1	D2	D3	E	H
3/8"	1/2"	3/8"	-T-YT6-YT8 -YT6	2.73	1.31	1.42	1.31	0.66	0.90	0.66	0.28	13/16
	5/8"		-T-YT6-YT10-YT6	2.95	1.42	1.53	1.42	0.66	0.96	0.66	0.28	1
	3/4"		-T-YT6-YT12-YT6	3.03	1.46	1.57	1.46	0.66	0.96	0.66	0.28	1 1/16

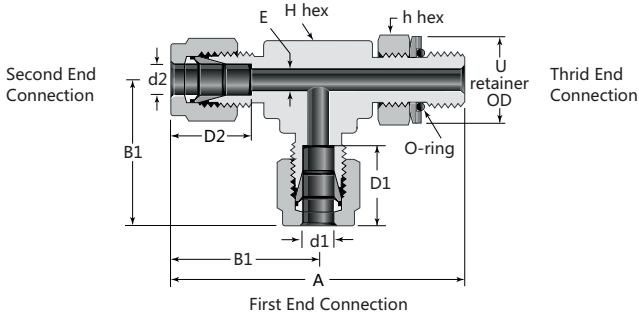
Tube Ends to Male NPT Threads



Tube OD		NPT Size	Basic Ordering Number	Dimension, in.				
d1	d2			A	B	D	E	H
1/8"	1/8"	1/8	-T-YT2-YT2-NT2	1.63	0.93	0.50	0.09	7/16
		1/4	-T-YT2-YT2-NT4	1.89	0.97	0.50	0.09	1/2
3/16"	3/16"	1/8	-T-YT3-YT3-NT2	1.66	0.96	0.54	0.12	7/16
1/4"	1/4"	1/8	-T-YT4-YT4-NT2	1.80	1.06	0.60	0.19	1/2
		1/4	-T-YT4-YT4-NT4	1.98	1.06	0.60	0.19	1/2
5/16"	5/16"	1/8	-T-YT5-YT5-NT2	1.99	1.17	0.64	0.19	5/8
3/8"	3/8"	1/4	-T-YT6-YT6-NT4	2.20	1.20	0.66	0.28	5/8
		3/8	-T-YT6-YT6-NT6	2.42	1.31	0.66	0.28	13/16
1/2"	1/2"	3/8	-T-YT8-YT8-NT6	2.53	0.42	0.90	0.38	13/16
		1/2	-T-YT8-YT8-NT8	2.72	0.42	0.90	0.41	13/16
5/8"	5/8"	1/2	-T-YT10-YT10-NT8	2.88	1.50	0.96	0.47	15/16
3/4"	3/4"	3/4	-T-YT12-YT12-NT12	3.02	1.57	0.96	0.62	1 1/16

Tube OD		NPT Size	Basic Ordering Number	Dimension, mm				
d1	d2			A	B	D	E	H
6mm	6mm	1/8	-T-YT6M-YT6M-NT2	45.8		15.3	4.8	12.7
		1/4	-T-YT6M-YT6M-NT4	50.3	27.0	15.3	4.8	12.7
8mm	8mm	1/4	-T-YT8M-YT8M-NT4	55.3	29.9	16.2	6.4	15.9
12mm	12mm	1/4	-T-YT12M-YT12M-NT4	64.2		22.8	7.1	20.6
		1/2	-T-YT12M-YT12M-NT8	69.0	36.0	22.8	9.5	20.6
16mm	16mm	1/2	-T-YT16M-YT16M-NT8	73.1	38.0	22.4	11.9	23.8

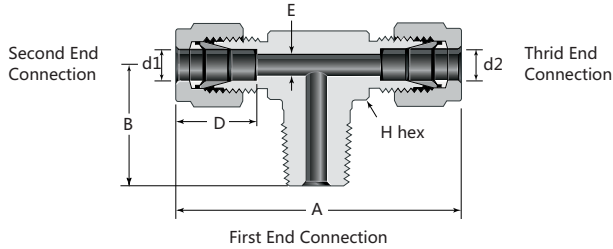
Tube Ends to Positionable Run ISO Parallel Threads(PPA)



Tube OD		ISO Size	Basic Ordering Number	Dimension, in.							
d1	d2			A	B1	D1	D2	E	H	h	U
1/4"	1/4"	1/8	-T-YT4-YT4-PPA2	2.10	1.06	0.60	0.60	0.16	1/2	9/16	0.60
		1/4	-T-YT4-YT4-PPA4	2.41	1.14	0.60	0.60	0.19	5/8	3/4	0.80
3/8"	3/8"	1/4	-T-YT6-YT6-PPA4	2.47	1.20	0.66	0.66	0.23	5/8	3/4	0.80
1/2"	1/2"	3/8	-T-YT8-YT8-PPA6	2.88	1.42	0.90	0.90	0.31	13/16	7/8	0.96
		1/2	-T-YT8-YT8-PPA8	3.21	1.50	0.90	0.90	0.41	15/16	1 1/16	1.16
5/8"	5/8"	1/2	-T-YT10-YT10-PPA8	3.21	1.50	0.96	0.96	0.47	15/16	1 1/16	1.16
3/4"	3/4"	1/2	-T-YT12-YT12-PPA8	3.35	1.57	0.96	0.96	0.47	1 1/16	1 1/16	1.16
		3/4	-T-YT12-YT12-PPA12	3.49		0.96	0.96	0.62		1 3/8	1.43
1"	1"	1	-T-YT16-YT16-PPA16	4.04	1.93	1.23	1.23	0.78	1 3/8	1 5/8	1.82

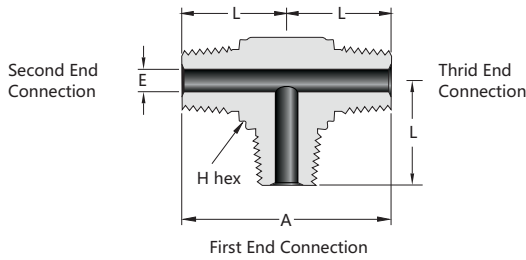
Tube OD		ISO Size	Basic Ordering Number	Dimension, mm							
d1	d2			A	B1	D1	D2	E	H	h	U
6mm	6mm	1/8	-T-YT6M-YT6M-PPA2	53.4	27.0		15.3	4.0	12.7	14.3	15.2
		1/4	-T-YT6M-YT6M-PPA4	61.2	29.0		15.3	4.8	15.9	19.1	20.3
8mm	8mm	1/8	-T-YT8M-YT8M-PPA2	56.3	28.8		16.2	4.0	14.3	14.3	15.2
		1/4	-T-YT8M-YT8M-PPA4	62.1	29.9		16.2	6.4	15.9	15.9	20.3
10mm	10mm	1/4	-T-YT10M-YT10M-PPA4	68.8	33.5	17.2	17.2	5.9	20.6	19.1	20.3
12mm	12mm	3/8	-T-YT12M-YT12M-PPA6	73.1	36.0		22.8	7.9	20.6	22.2	24.4
		1/2	-T-YT12M-YT12M-PPA8	81.5	38.0		22.8	9.5	23.8	27.0	29.5

Male NPT Threads to Tube Ends



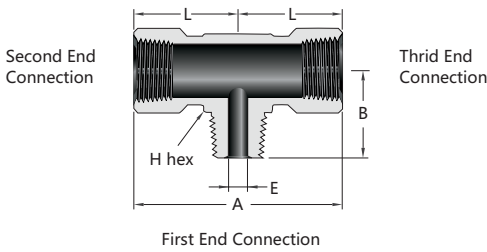
NPT Size	Tube OD		Basic Ordering Number	Dimension, in.				
	d1	d2		A	B	D	E	H
1/8	1/8"	1/8"	-T-NT2-YT2-YT2	1.86	0.70	0.50	0.09	7/16
1/8	3/16"	3/16"	-T-NT2-YT3-YT3	1.92	0.70	0.54	0.12	7/16
1/8	1/4"	1/4"	-T-NT2-YT4-YT4	2.12	0.74	0.60	0.19	1/2
1/8	5/16"	5/16"	-T-NT2-YT5-YT5	1.34	0.82	0.64	0.19	5/8
1/4	1/8"	1/8"	-T-NT4-YT2-YT2	1.94	0.70	0.50	0.09	7/16
1/4	1/4"	1/4"	-T-NT4-YT4-YT4	2.12	0.92	0.60	0.19	1/2
1/4	3/8"	3/8"	-T-NT4-YT6-YT6	2.40	1.00	0.66	0.28	5/8
3/8	3/8"	3/8"	-T-NT6-YT6-YT6	2.62	1.11	0.66	0.28	13/16
3/8	1/2"	1/2"	-T-NT6-YT8-YT8	2.84	1.11	0.90	0.38	13/16
1/2	1/2"	1/2"	-T-NT8-YT8-YT8		1.30		0.41	
1/2	5/8"	5/8"	-T-NT8-YT10-YT10	3.06	1.41	0.96	0.47	1
3/4	3/4"	3/4"	-T-NT12-YT12-YT12	3.14	1.45	0.96	0.62	1 1/16

Male NPT Thread Tees

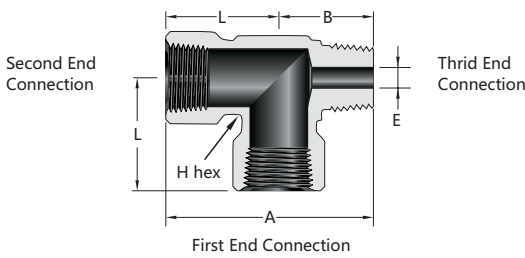


NPT Size	Basic Ordering Number	Dimension, in.(mm)				Pressure Ratings, psig(bar)	
		A	E	L	H	316SS, Steel	Brass
1/8	-T-NT 2	1.76(44.7)	0.19(4.8)	0.88(22.4)	7/16	10000(689)	5000(344)
1/4	-T-NT4	2.10(53.3)	0.28(7.1)	1.05(26.7)	1/2	8000(551)	4000(275)
3/8	-T-NT6	2.34(59.4)	0.38(9.6)	1.17(29.7)	11/16	7800(537)	3900(268)
1/2	-T-NT8	2.90(73.3)	0.47(11.9)	1.45(36.8)	13/16	7700(530)	3800(261)

Male&Female NPT Thread Tees

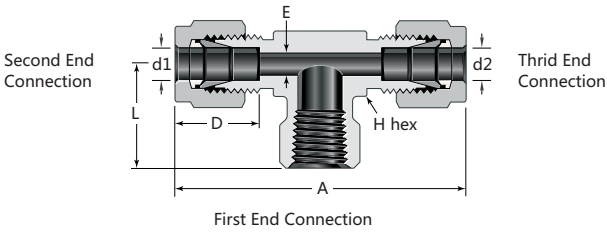


NPT Size	Basic Ordering Number	Dimension, in.(mm)					Pressure Ratings, psig(bar)	
		A	B	L	E	H	316SS, Steel	Brass
1/8	-T-NT 2-NT2F -NT2F	2.08(52.8)	0.87(22.1)	1.04(26.4)	0.19(4.8)	1/2	6200(427)	3100(213)
1/4	-T-NT4-NT4F-NT4F	2.34(59.4)	1.17(29.7)	1.17(29.7)	0.28(7.1)	11/16	7200(496)	3600(248)
3/8	-T-NT6-NT6F-NT6F	2.84(72.1)	1.26(32.0)	1.42(36.1)	0.38(9.6)	13/16	5600(385)	2800(192)
1/2	-T-NT8-NT8F-NT8F	3.12(79.2)	1.56(39.6)	1.56(39.6)	0.47(11.9)	1	5600(385)	2800(192)



NPT Size	Basic Ordering Number	Dimension, in.(mm)					Pressure Ratings, psig(bar)	
		A	B	L	E	H	316SS, Steel	Brass
1/8	-T-NT2F-NT2-NT2F	1.91(48.5)	0.87(22.1)	1.04(26.4)	0.19(4.8)	1/2	6200(427)	3100(213)
1/4	-T-NT4F-NT4-NT4F	2.34(59.4)	1.17(29.7)	1.17(29.7)	0.28(7.1)	11/16	7200(496)	3600(248)
3/8	-T-NT6F-NT6-NT6F	2.68(68.1)	1.26(32.0)	1.42(36.1)	0.38(9.6)	13/16	5600(385)	2800(192)
1/2	-T-NT8F-NT8-NT8F	3.12(79.2)	1.56(39.6)	1.56(39.6)	0.47(11.9)	1	5600(385)	2800(192)
3/4	-T-NT12F-NT12-NT12F	3.59(91.2)	1.67(42.4)	1.92(48.8)	0.62(15.7)	1 1/4	5100(351)	2500(172)

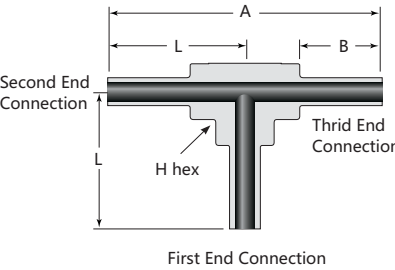
Female NPT Threads to Tube Ends



NPT Size	Tube OD		Basic Ordering Number	Dimension, in.				
	d1	d2		A	D	E	H	L
1/8	1/8"	1/8"	-T-NT2F-YT2-YT2	1.94	0.50	0.09	1/2	0.75
	1/4"	1/4"	-T-NT2F-YT4-YT4	2.12	0.60	0.19		
1/4	1/4"	1/4"	-T-NT4F-YT4-YT4	2.34	0.60	0.19	11/16	0.88
	3/8"	3/8"	-T-NT4F-YT6-YT6	2.46	0.66	0.28		
	1/2"	1/2"	-T-NT4F-YT8-YT8	2.84	0.90	0.41		
3/8	3/8"	3/8"	-T-NT6F-YT6-YT6	2.62	0.66	0.28	13/16	0.88
	1/2"	1/2"	-T-NT6F-YT8-YT8	2.84	0.90	0.41		
1/2	3/8"	3/8"	-T-NT8F-YT6-YT6	2.84	0.66	0.28	1	1.12
	1/2"	1/2"	-T-NT8F-YT8-YT8	3.06	0.90	0.41		
	5/8"	5/8"	-T-NT8F-YT10-YT10	3.06	0.96	0.50		
3/4	3/4"	3/4"	-T-NT12F-YT12-YT12	3.52	0.96	0.62	1 3/8	1.25
	1"	1"	-T-NT12F-YT16-YT16	3.86	1.23	0.88		
1	1"	1"	-T-NT16F-YT16-YT16	4.22	1.24	0.89	1 11/16	1.50

NPT Size	Tube OD	Basic Ordering Number	Dimension, mm				
			A	D	E	H	L
1/8	6mm	-T-NT2F-YT6M-YT6M	53.9	15.3	4.8	12.7	19.0
	8mm	-T-NT2F-YT8M-YT8M	59.7	16.2	6.4	15.9	
1/4	6mm	-T-NT4F-YT6M-YT6M	59.5	15.3	4.8	17.5	22.4
	8mm	-T-NT4F-YT8M-YT8M	61.2	16.2	6.4		
	10mm	-T-NT4F-YT10M-YT10M	67.0	17.2	7.9		
	12mm	-T-NT4F-YT12M-YT12M	72.0	22.8	9.5		
3/8	12mm	-T-NT6F-YT12M-YT12M	72.0	22.8	9.5	25.4	28.4
1/2	12mm	-T-NT8F-YT12M-YT12M	77.7	22.8	9.5		
	16mm	-T-NT8F-YT16M-YT16M	77.6	24.4	12.7		

Tube Butt Welding Tees

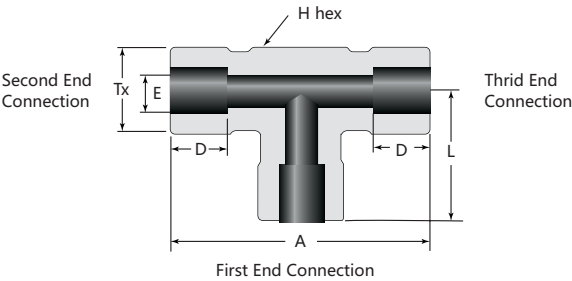


Tube OD	Wall Thickness	Basic Ordering Number	Dimension, in.(mm)				Pressure Ratings, psig(bar)
			A	B	H	L	
1/4"	0.035"	-T-BW4	2.46(62.5)	0.75(19.0)	7/16	1.23(31.2)	5100(351)
3/8"	0.035"	-T-BW6	2.40(61.0)		7/16	1.20(30.5)	3300(227)
1/2"	0.049"	-T-BW8	2.68(68.1)		11/16	1.34(34.0)	3300(227)
3/4"	0.049"	-T-BW12	2.91(73.9)		15/16	1.46(37.1)	2400(165)

Tube OD	Wall Thickness	Basic Ordering Number	Dimension, mm(in.)				Pressure Ratings, psig(bar)
			A	B	H	L	
6mm	1.0mm	-T-BW6M	62.5(2.46)	19.0(0.75)	(7/16)	31.2(1.23)	420(6095)
8mm	1.0mm	-T-BW8M	62.5(2.46)		(7/16)	31.2(1.23)	310(4499)
10mm	1.0mm	-T-BW10M	67.8(2.67)		(11/16)	34.0(1.34)	240(3483)
12mm	1.0mm	-T-BW12M	67.8(2.67)		(11/16)	34.0(1.34)	200(2902)
18mm	1.5mm	-T-BW18M	74.9(2.95)		(15/16)	37.6(1.48)	200(2902)

Butt weld not listed in table of wall thickness and length, please indicate in the ordering number.Example:
- T - BW8×0.065 ×20m means butt weld outside diameter is 1/2", wall thickness is 0.065", butt weld length is 20 mm;
- T- BW8×2M×20M means butt weld outside diameter is 1/2", wall thickness is 2 mm, butt weld length is 20 mm.

Tube Socket Welding Tees



Tube OD	Basic Ordering Number	Dimension, in.(mm)						Pressure Ratings, psig(bar)
		A	D	E	H	L	Tx	
1/8"	-T-SW2	1.18(30.0)	0.10(2.5)	0.09(2.3)	7/16	0.59(15.0)	0.29(7.4)	12600(868)
1/4"	-T-SW4	1.72(43.7)	0.28(7.1)	0.19(4.8)	7/16	0.86(21.8)	0.53(13.5)	10700(737)
3/8"	-T-SW6	2.08(52.8)	0.31(7.9)	0.28(7.1)	1/2	1.04(26.4)	1.64(16.3)	8100(558)
1/2"	-T-SW8	2.34(59.4)	0.38(9.7)	0.41(10.4)	11/16	1.17(29.7)	0.81(20.6)	6600(454)
3/4"	-T-SW12	3.12(79.2)	0.44(11.2)	0.63(16.0)	1	1.56(39.6)	1.04(26.4)	5900(406)
1"	-T-SW16	3.84(97.5)	0.62(15.7)	0.88(22.4)	1 1/4	1.92(48.8)	1.45(36.8)	5600(385)

1. To order, add a material designator in the basic ordering number before, constitute INSEMOUNT complete ordering number, detailed information see the selection table.
2. All dimensions are for reference only and are subject to change.
3. For dimensions not shown above, please contact your authorized INSEMOUNT representative.

Tees Ordering Information

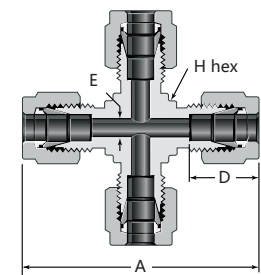
SS - T - YT 6 M - Y T 4 - N T 2
1 2 3 4 5

1	Material	3	End Connection Type	4	End Connection Size
SS	316SS	YT	YT-LOK Tube end	1	1/16" or 1mm
S4	304SS	OD	Tube adapter	2	1/8" or 2mm
S1	321SS	NT	NPT thread	3	3/16" or 3mm
S6H	316H	PT	ISO tapered thread	4	1/4" or 4mm
S4H	304H	PP	ISO parallel thread (seal with G gasket)	5	5/16" or 5mm
S1H	321H	PPG	ISO parallel thread (seal with GE gasket)	6	3/8" or 6mm
S6L	316L	PPR	ISO parallel thread (seal with GR gasket)	7	7/16" or 7mm
S4L	304L	PPA	Positionable ISO parallel thread	8	1/2" or 8mm
M4	Alloy 400	MS	Metric thread	9	9/16" or 9mm
M5	Alloy 500	MSR	Metric thread (seal with O-ring)	10	5/8" or 10mm
600	Alloy 600	MSA	Positionable metric thread	11	11/16" or 11mm
625	Alloy 625	UNR	American unified thread (seal with O-ring)	12	3/4" or 12mm
800	Alloy 800	UNA	Positionable SAE thread	13	13/16" or 13mm
825	Alloy 825	BW	Butt welding	14	7/8" or 14mm
H22	Alloy C-22	SW	Socket welding	15	15/16" or 15mm
H276	Alloy C-276			16	1" or 16mm
D5	DuplEx 2205				
D7	DuplEx 2507				
C20	20# carbon steel				For metric threads
C105	A105 carbon steel				8 M8×1
B	Brass				10 M10×1
CO	Copper				12 M12×1.5
T	PTFE				14 M14×1.5
					16 M16×1.5
					18 M18×1.5
					20 M20×1.5
					22 M22×1.5
					24 M24×1.5
					27 M27×2
					30 M30×2
					33 M33×2
					For threads not appeared above please marked the pitch:
					20×2 M20×2
					27×1.5 M27×1.5
2	Series	5	Distinguish Code		
T	Tee	F	Stamp F for female threads		
		M	Stamp M for metric sizes		
		P	Stamp P for Pipe Butt welding or Socket welding		

- The model code of YT-LOK tee connectors contains: material, series, the first end connection, the second end connection, and the third end connection. The sequence of the five parts is from left to right. Each part separated by "-".Take the branch as the first end connection. The principle of the order between the remaining two, as following:
1. See 1 the top priorities as the first end connection. Another one as a second end connection.
2. When the two of the end connections were the same, take the metric sizes as the fist, For the same kind of threads, take the male threads as the fist, Same as butt welding or socket welding, metric sizes as the fist, then is inch sizes, then is pipe.
3. After above principles, take the big one as the second end connection.
4. When the three end connections are identical, take any one to be the first end connection and the other will be omitted.

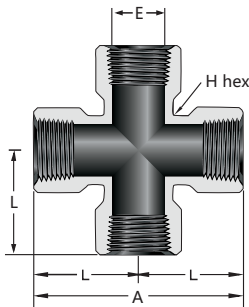
Crosses

Tube Fitting Crosses



Tube OD	Basic Ordering Number	Dimension, in.			
		A	D	E	H
1/8"	-C-YT2	1.76	0.50	0.09	3/8
1/4"	-C-YT4	2.12	0.60	0.19	1/2
5/16"	-C-YT5	2.34	0.64	0.25	5/8
3/8"	-C-YT6	2.40	0.66	0.28	5/8
1/2"	-C-YT8	2.84	0.90	0.41	13/16
3/4"	-C-YT12	3.14	0.96	0.62	1 1/16
1"	-C-YT16	3.86	1.23	0.88	1 3/8

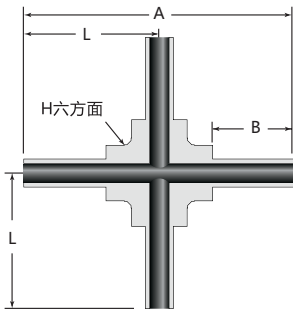
Tube OD	Basic Ordering Number	Dimension, mm			
		A	D	E	H
3mm	-C-YT3M	44.7	12.9	2.4	9.5
6mm	-C-YT6M	53.9	15.3	4.8	12.7
8mm	-C-YT8M	59.7	16.2	6.4	15.9
10mm	-C-YT10M	67.0	17.2	7.9	20.6
12mm	-C-YT12M	72.0	22.8	9.5	20.6
16mm	-C-YT16M	74.0	24.4	12.7	23.8
18mm	-C-YT18M	76.6	24.4	15.1	27
20mm	-C-YT20M	89.3	26.0	15.9	34.9
22mm	-C-YT22M	89.4	26.0	18.3	34.9
25mm	-C-YT25M	98.3	31.3	21.8	34.9



Female NPT Thread Crosses

NPT Size	Basic Ordering Number	Dimension, in.(mm)				Pressure Ratings, psig(bar)	
		A	E	L	H	316SS, Steel	Brass
1/8	-C-NT2F	2.08(52.8)	0.34(8.6)	1.04(26.4)	1/2	6200(427)	3100(213)
1/4	-C-NT4F	2.34(59.4)	0.45(11.6)	1.17(29.7)	11/16	7200(496)	3600(248)
3/8	-C-NT6F	2.84(72.1)	0.59(15.0)	1.42(36.1)	13/16	5600(385)	2800(192)
1/2	-C-NT8F	3.12(79.2)	0.73(18.5)	1.56(39.6)	1	5600(385)	2800(192)
3/4	-C-NT12F	3.84(97.5)	0.94(23.9)	1.92(48.8)	1 1/4	5100(351)	2500(172)
1	-C-NT16F	3.82(97.0)	1.17(29.7)	1.91(48.5)	1 11/16	6400(440)	3200(220)

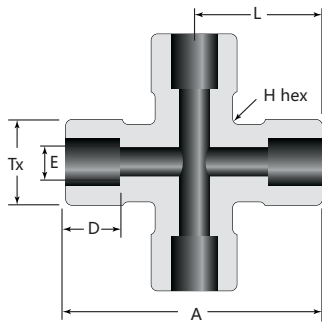
Tube Butt Welding Crosses



Tube OD	Wall Thickness	Basic Ordering Number	Dimension, in.(mm)				Pressure Ratings, psig(bar)
			A	B	H	L	
1/4"	0.035"	-C-BW4	2.45(62.2)	0.75(19.0)	7/16	1.23(31.2)	5100(351)
3/8"	0.035"	-C-BW6	2.39(60.7)		7/16	1.20(30.5)	3300(227)
1/2"	0.049"	-C-BW8	2.61(66.3)		11/16	1.34(34.0)	3700(254)

Tube OD	Wall Thickness	Basic Ordering Number	Dimension, mm				Pressure Ratings, psig(bar)
			A	B	H	L	
6mm	1.0mm	-C-BW6M	62.2	19.0	11.1	31.3	6095 (420)
8mm		-C-BW8M	62.2		11.1	31.3	4499(310)
10mm		-C-BW10M	64.8		15.9	34.0	3483(240)
12mm		-C-BW12M	64.8		22.2	34.0	2902(200)

For butt welding not listed in table of wall thickness and length, please indicate in the ordering number.Example: -C - BW8Ø.065 ±0m means butt welding outside diameter is 1/2", wall thickness is 0.065", butt welding length is 20 mm; - C- BW8±M±0M means butt w eld outside diameter is 1/2", wall thickness is 2 mm, butt welding length is 20 mm.



Tube Socket Welding Crosses

Tube OD	Basic Ordering Number	Dimension, in.(mm)						Pressure Ratings, psig(bar)
		A	D	E	H	L	Tx	
1/4"	-C-SW4	1.72(43.7)	0.28(7.1)	0.19(4.8)	7/16	0.86(21.8)	0.53(13.5)	10700(737)
3/8"	-C-SW6	2.08(52.8)	0.31(7.9)	0.28(7.1)	1/2	1.04(26.4)	1.64(16.3)	8100(558)
1/2"	-C-SW8	2.34(59.4)	0.38(9.7)	0.41(10.4)	11/16	1.17(29.7)	0.81(20.6)	6600(454)
3/4"	-C-SW12	3.12(79.2)	0.44(11.2)	0.63(16.0)	1	1.56(39.6)	1.04(26.4)	5900(406)
1"	-C-SW16	3.84(97.5)	0.62(15.7)	0.88(22.4)	1 1/4	1.92(48.8)	1.45(36.8)	5600(385)

- 1.To order, add a material designator in the basic ordering number before, constitute INSEMOUNT complete ordering number, detailed information see the selection table.
- 2.All dimensions are for reference only and are subject to change.
- 3.For dimensions not shown above, please contact your authorized INSEMOUNT representative.

Crosses Ordering Information

SS-C-YT6M-YT4-YT4-NT2

- 1 2 3 4 5

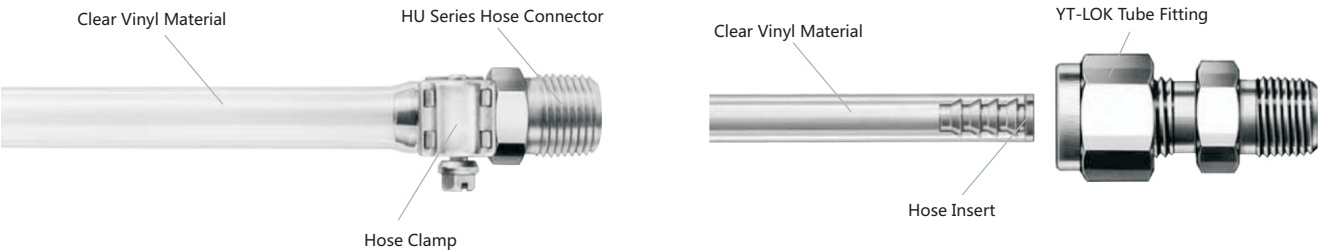
1	Material	3	End Connection Type	4	End Connection Size
SS	316SS	YT	YT-LOK Tube end	1	1/16" or 1mm
S4	304SS	OD	Tube adapter	2	1/8" or 2mm
S1	321SS	NT	NPT thread	3	3/16" or 3mm
S6H	316H	PT	ISO tapered thread	4	1/4" or 4mm
S4H	304H	PP	ISO parallel thread (seal with G gasket)	5	5/16" or 5mm
S1H	321H	PPG	ISO parallel thread (seal with GE gasket)	6	3/8" or 6mm
S6L	316L	PPR	ISO parallel thread (seal with GR gasket)	7	7/16" or 7mm
S4L	304L	PPA	Positionable ISO parallel thread	8	1/2" or 8mm
M4	Alloy 400	MS	Metric thread	9	9/16" or 9mm
M5	Alloy 500	MSR	Metric thread (seal with O-ring)	10	5/8" or 10mm
600	Alloy 600	MSA	Positionable metric thread	11	11/16" or 11mm
625	Alloy 625	UNR	American unified thread (seal with O-ring)	12	3/4" or 12mm
800	Alloy 800	UNA	Positionable SAE thread	13	13/16" or 13mm
825	Alloy 825	BW	Butt welding	14	7/8" or 14mm
H22	Alloy C-22	SW	Socket welding	15	15/16" or 15mm
H276	Alloy C-276			16	1" or 16mm
D5	DuplEx 2205			For metric threads	
D7	DuplEx 2507			8	M8×1
C20	20# carbon steel			10	M10×1
C105	A105 carbon steel			12	M12×1.5
B	Brass			14	M14×1.5
CO	Copper			16	M16×1.5
T	PTFE			18	M18×1.5
				20	M20×1.5
				22	M22×1.5
				24	M24×1.5
				27	M27×2
				30	M30×2
				33	M33×2
				For threads not appeared above please marked the pitch:	
				20×2	M20×2
				27×1.5	M27×1.5
2	Series	5	Distinguish Code		
C	Cross	F	Stamp F for female threads		
		M	Stamp M for metric sizes		
		P	Stamp P for Pipe Butt welding or Socket welding		

The model code of YT-LOK straight connectors contains: material, series, the first end connection, the second end connection, the third end connection, and the fourth end connection. The sequence of the six parts is from left to right. Each part separated by "-". The principle of the order between the four end connections, as following:

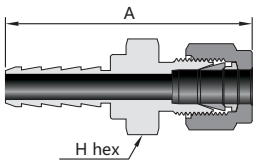
1. How to determine with one is the first end connection of the four end connections.
 - a) See 3 the top priorities as the first end connection.
 - b) When the top priorities was not only, take the metric sizes as the first. For the same kind of thread, take the male thread as the fist. Same as butt welding or socket welding, metric sizes as the first, then is inch sizes, then is pipe.
 - c) After above principles; take the big one as the first end connection.
 - d) If there are two adjacent end connections identical and the top priorities; take the one opposite the top priorities of the other two as the first end connection.
2. Take the one opposite the first end connection as the second end connection.
3. The principle of the order between the remaining two, as following:
 - a) See 3 the top priorities as the third end connection.
 - b) When the two of the end connections were the same, take the metric sizes as the third. For the same kind of threads, take the male threads as the third. Same as butt welding or socket welding, metric sizes as the third, then is inch sizes, then is pipe
 - c) After above principles; take the big one as the third end connection.
4. When the four end connections are identical, take any one as the first end connection and the other end connections will be omitted.

Hose Connectors

HU Series

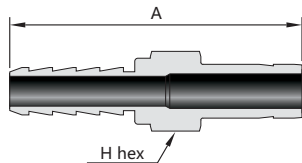


Hose Ends to Tube Ends



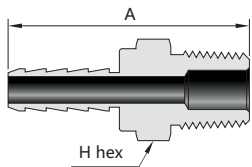
Hose ID	Tube OD	Basic Ordering Number	Dimension, in.(mm)		
			A	H	Minimum Inside Diameter
1/8"	1/8"	-HU-IN2-YT2	1.42 (36.1)	7/16	0.08 (2.0)
1/4"	1/8"	-HU-IN4-YT2	1.81 (46.0)	7/16	0.09 (2.3)
	1/4"	-HU-IN4-YT4	1.92 (48.8)	9/16	0.19 (4.8)
3/8"	1/4"	-HU-IN6-YT4	1.99 (50.6)	9/16	0.19 (4.8)
	3/8"	-HU-IN6-YT6	2.06 (52.3)	3/4	0.28 (7.1)
1/2"	1/2"	-HU-IN8-YT8	2.24 (56.9)	7/8	0.38 (9.7)
6mm	6mm	-HU-IN6M-YT6M	1.95 (49.5)	14	0.19 (4.8)
8mm	8mm	-HU-IN8M-YT8M	1.96 (49.8)	16	0.25 (6.4)
	10mm	-HU-IN8M-YT10M	2.03 (51.6)	18	0.25 (6.4)
10mm	10mm	-HU-IN10M-YT10M	2.06 (52.3)	19	0.31 (7.9)
12mm	12mm	-HU-IN12M-YT12M	2.26 (57.4)	22	0.38 (9.7)

Hose Ends to Tube Adapters



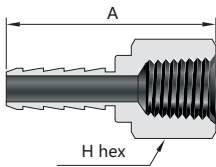
Hose ID	Tube OD	Basic Ordering Number	Dimension, in.(mm)		
			A	H	Minimum Inside Diameter
1/8"	1/8"	-HU-IN2-OD2	1.37 (34.8)	5/16	0.08 (2.0)
	1/4"	-HU-IN2-OD4	1.47 (37.3)	3/8	0.09 (2.3)
1/4"	1/4"	-HU-IN4-OD4	1.86 (47.2)	7/16	0.19 (4.8)
	3/8"	-HU-IN4-OD6	1.92 (48.8)	7/16	0.19 (4.8)
5/16"	1/4"	-HU-IN5-OD4	1.94 (49.3)	7/16	0.19 (4.8)
3/8"	1/4"	-HU-IN6-OD4	1.94 (49.3)	9/16	0.19 (4.8)
	3/8"	-HU-IN6-OD6	2.00 (50.8)	9/16	0.28 (7.1)
	1/2"	-HU-IN6-OD8	2.26 (57.4)	5/8	0.30 (7.6)
1/2"	3/8"	-HU-IN8-OD6	2.07 (52.6)	11/16	0.28 (7.1)
	1/2"	-HU-IN8-OD8	2.33 (59.2)	11/16	0.38 (9.7)
3/4"	3/4"	-HU-IN12-OD12	2.50 (63.5)	13/16	0.63 (16.0)
1"	1"	-HU-IN16-OD16	3.03 (77.0)	1 3/8	0.80 (20.3)

Hose Ends to Male
NPT Threads



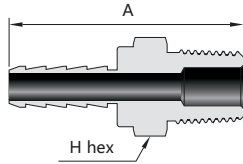
Hose ID	NPT Size	Basic Ordering Number	Dimension, in.(mm)		
			A	H	Minimum Inside Diameter
1/8"	1/8	-HU-IN2-NT2	1.08 (27.4)	7/16	0.08 (2.0)
	1/4	-HU-IN2-NT4	1.26 (32.0)	9/16	0.08 (2.0)
3/16"	1/8	-HU-IN3-NT2	1.27 (32.2)	7/16	0.13 (3.3)
	1/4	-HU-IN3-NT4	1.45 (36.8)	9/16	0.13 (3.3)
1/4"	1/8	-HU-IN4-NT2	1.47 (37.3)	7/16	0.19 (4.8)
	1/4	-HU-IN4-NT4	1.65 (41.9)	9/16	0.19 (4.8)
	3/8	-HU-IN4-NT6	1.66 (42.2)	11/16	0.19 (4.8)
	1/2	-HU-IN4-NT8	1.85 (47.0)	7/8	0.19 (4.8)
5/16"	1/8	-HU-IN5-NT2	1.55 (39.4)	7/16	0.19 (4.8)
	1/4	-HU-IN5-NT4	1.73 (43.9)	9/16	0.19 (4.8)
	3/8	-HU-IN5-NT6	1.74 (44.2)	11/16	0.19 (4.8)
	1/2	-HU-IN5-NT8	1.96 (49.8)	7/8	0.19 (4.8)
3/8"	1/4	-HU-IN6-NT4	1.73 (43.9)	9/16	0.30 (7.6)
	3/8	-HU-IN6-NT6	1.74 (44.2)	11/16	0.30 (7.6)
	1/2	-HU-IN6-NT8	1.96 (49.8)	7/8	0.30 (7.6)
1/2"	1/4	-HU-IN8-NT4	1.80 (45.7)	11/16	0.30 (7.6)
	3/8	-HU-IN8-NT6	1.81 (46.0)	11/16	0.38 (9.7)
	1/2	-HU-IN8-NT8	2.03 (51.6)	7/8	0.38 (9.7)
5/8"	3/8	-HU-IN10-NT6	1.88 (47.8)	1 1/16	0.38 (9.7)
	1/2	-HU-IN10-NT8	2.07 (52.6)	1 1/16	0.47 (11.9)
	3/4	-HU-IN10-NT12	2.07 (52.6)	1 1/16	0.50 (12.7)
3/4"	1/2	-HU-IN12-NT8	2.14 (54.4)	1 1/16	0.47 (11.9)
	3/4	-HU-IN12-NT12	2.14 (54.4)	1 1/16	0.63 (16.0)
	1	-HU-IN12-NT16	2.43 (61.7)	1 3/8	0.63 (16.0)
1"	3/4	-HU-IN16-NT12	2.38 (60.5)	1 3/8	0.63 (16.0)
	1	-HU-IN16-NT16	2.57 (65.3)	1 3/8	0.88 (22.4)

Hose Ends to Female
NPT Threads



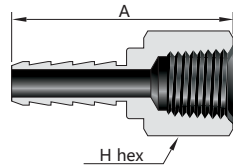
Hose ID	NPT Size	Basic Ordering Number	Dimension, in.(mm)		
			A	H	Minimum Inside Diameter
1/8"	1/8	-HU-IN2-NT2F	1.11 (28.2)	9/16	0.08 (2.0)
	1/4	-HU-IN2-NT4F	1.26 (32.0)	3/4	0.08 (2.0)
3/16"	1/8	-HU-IN3-NT2F	1.29 (32.8)	9/16	0.13 (3.3)
	1/4	-HU-IN3-NT4F	1.44 (36.6)	3/4	0.13 (3.3)
1/4"	1/8	-HU-IN4-NT2F	1.47 (37.3)	9/16	0.19 (4.8)
	1/4	-HU-IN4-NT4F	1.64 (41.7)	3/4	0.19 (4.8)
	3/8	-HU-IN4-NT6F	1.71 (43.4)	7/8	0.19 (4.8)
5/16"	1/4	-HU-IN5-NT4F	1.73 (43.9)	3/4	0.19 (4.8)
	3/8	-HU-IN5-NT6F	1.82 (46.2)	7/8	0.19 (4.8)
3/8"	1/4	-HU-IN6-NT4F	1.69 (42.9)	3/4	0.30 (7.6)
	3/8	-HU-IN6-NT6F	1.78 (45.2)	7/8	0.30 (7.6)
	1/2	-HU-IN6-NT8F	2.03 (51.6)	11/16	0.30 (7.6)
1/2"	1/2	-HU-IN8-NT8F	2.13 (54.1)	11/16	0.38 (9.7)

Hose Ends to Male ISO
Tapered Threads



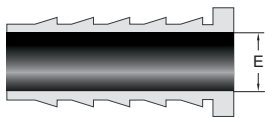
Hose ID	ISO Size	Basic Ordering Number	Dimension, in.(mm)		
			A	H	Minimum Inside Diameter
1/8"	1/8	-HU-IN2-PT2	1.28 (32.5)	7/16	0.08 (2.0)
	1/4	-HU-IN2-PT4	1.40 (35.5)	9/16	0.08 (2.0)
3/16"	1/8	-HU-IN3-PT2	1.40 (35.5)	7/16	0.13 (3.3)
	1/4	-HU-IN3-PT4	1.58 (40.1)	9/16	0.13 (3.3)
1/4"	1/8	-HU-IN4-PT2	1.47 (37.3)	7/16	0.19 (4.8)
	1/4	-HU-IN4-PT4	1.65 (41.9)	9/16	0.19 (4.8)
	3/8	-HU-IN4-PT6	1.66 (42.2)	11/16	0.19 (4.8)
	1/2	-HU-IN4-PT8	1.90 (48.3)	7/8	0.19 (4.8)
	3/4	-HU-IN4-PT12	2.14 (54.4)	1 1/16	0.47 (11.9)
5/16"	1/8	-HU-IN5-PT2	1.67 (42.4)	7/16	0.19 (4.8)
	1/4	-HU-IN5-PT4	1.86 (47.2)	9/16	0.19 (4.8)
	3/8	-HU-IN5-PT6	1.87 (47.5)	11/16	0.19 (4.8)
	1/2	-HU-IN5-PT8	2.10 (53.3)	7/8	0.19 (4.8)
3/8"	1/4	-HU-IN6-PT4	1.73 (43.9)	9/16	0.30 (7.6)
	3/8	-HU-IN6-PT6	1.74 (44.2)	11/16	0.30 (7.6)
	1/2	-HU-IN6-PT8	1.96 (49.8)	7/8	0.30 (7.6)
1/2"	1/4	-HU-IN8-PT4	1.80 (45.7)	11/16	0.30 (7.6)
	3/8	-HU-IN8-PT6	1.81 (46.0)	11/16	0.38 (9.7)
	1/2	-HU-IN8-PT8	2.03 (51.6)	7/8	0.38 (9.7)
5/8"	3/8	-HU-IN10-PT6	1.88 (47.8)	1 1/16	0.38 (9.7)
	1/2	-HU-IN10-PT8	2.07 (52.6)	1 1/16	0.47 (11.9)
	3/4	-HU-IN10-PT12	2.07 (52.6)	1 1/16	0.50 (12.7)
3/4"	1/2	-HU-IN12-PT8	2.14 (54.4)	1 1/16	0.47 (11.9)
	3/4	-HU-IN12-PT12	2.14 (54.4)	1 1/16	0.63 (16.0)
	1	-HU-IN12-PT16	2.43 (61.7)	1 3/8	0.63 (16.0)
1"	3/4	-HU-IN16-PT12	2.38 (60.5)	1 3/8	0.63 (16.0)
	1	-HU-IN16-PT16	2.57 (65.3)	1 3/8	0.88 (22.4)

Hose Ends to Female ISO
Tapered Threads



Hose ID	ISO Size	Basic Ordering Number	Dimension, in.(mm)		
			A	H	Minimum Inside Diameter
1/8"	1/8	-HU-IN2-PT2F	1.11 (28.2)	9/16	0.08 (2.0)
	1/4	-HU-IN2-PT4F	1.26 (32.0)	3/4	0.08 (2.0)
3/16"	1/8	-HU-IN3-PT2F	1.29 (32.8)	9/16	0.13 (3.3)
	1/4	-HU-IN3-PT4F	1.44 (36.6)	3/4	0.13 (3.3)
1/4"	1/8	-HU-IN4-PT2F	1.47 (37.3)	9/16	0.19 (4.8)
	1/4	-HU-IN4-PT4F	1.64 (41.7)	3/4	0.19 (4.8)
	3/8	-HU-IN4-PT6F	1.71 (43.4)	7/8	0.19 (4.8)
5/16"	1/4	-HU-IN5-PT4F	1.73 (43.9)	3/4	0.19 (4.8)
	3/8	-HU-IN5-PT6F	1.82 (46.2)	7/8	0.19 (4.8)
3/8"	1/4	-HU-IN6-PT4F	1.69 (42.9)	3/4	0.30 (7.6)
	3/8	-HU-IN6-PT6F	1.78 (45.2)	7/8	0.30 (7.6)
	1/2	-HU-IN6-PT8F	2.03 (51.6)	1 1/16	0.30 (7.6)
1/2"	1/2	-HU-IN8-PT8F	2.13 (54.1)	1 1/16	0.38 (9.7)

Hose Inserts

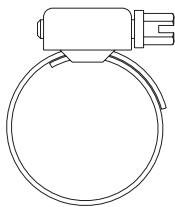


To order, add a material designator in the basic ordering number before, constitute INSEMount complete hose insert ordering number. material designator see below table. Example: SS-HI-4-3

Material	Designator
316 SS	SS
Alloy 400	M4
Brass	B
Aluminum	AL
Nylon	NY

Hose OD	Hose ID	Basic Ordering Number	E(mm)
3/16"	1/8"	-HI-3-2	2.3
1/4"	1/8"	-HI-4-2	2.3
	3/16"	-HI-4-3	3.5
5/16"	1/8"	-HI-5-2	2.3
	3/16"	-HI-5-3	3.0
	1/4"	-HI-5-4	4.8
3/8"	3/16"	-HI-6-3	3.0
	1/4"	-HI-6-4	4.8
1/2"	1/4"	-HI-8-4	4.8
	3/8"	-HI-8-6	7.9
5/8"	3/8"	-HI-10-6	7.9
	1/2"	-HI-10-8	11.1
3/4"	1/2"	-HI-12-8	11.1
	5/8"	-HI-12-10	14.2
	3/4"	-HI-16-12	17.5
1"	4mm	-HI-6M-4M	2.8
6mm	6mm	-HI-8M-6M	4.4
10mm	8mm	-HI-10M-8M	6.4
12mm	8mm	-HI-12M-8M	6.4
	10mm	-HI-12M-10M	8.3

Hose Clamps



■ Material: 304 SS

Extend range		Ordering Number
in.	mm	
0.25 - 0.62	6 - 16	S4-HC-6M-16M
0.30 - 0.87	8 - 22	S4-HC-8M-22M
0.66 - 1.25	16 - 32	S4-HC-16M-32M
0.66 - 1.50	16 - 38	S4-HC-16M-38M
0.75 - 1.75	19 - 45	S4-HC-19M-45M
1.00 - 2.00	25 - 50	S4-HC-25M-50M

1. To order, add a material designator in the basic ordering number before, constitute INSEMOUNT complete ordering number, detailed information see the selection table.
2. All dimensions are for reference only and are subject to change.
3. For dimensions not shown above, please contact your authorized INSEMOUNT representative.

Hose Connectors Ordering Information

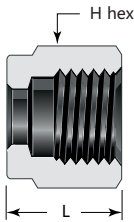
SS - HU - IN 6 M - YT4

[illegible]

The model code of YT-LOK hose connectors contains: material, series, the first end connection, the second end connection. The sequence of the four parts is from left to right, Each part separated by "-". The hose connector end as the fist. Another one as a second. When the two end connections are hose connector end, metric sizes as the fist. For two metric hose connector ends, take the big one as the first. When the two end connections are identical, take any one as the first end connection and the last will be omitted.

Others

Ferrule Nuts



Tube OD	Basic Ordering Number	Dimension, in.	
		H	L
1/16"	-YN-YT1	5/16	0.31
1/8"	-YN-YT2	7/16	0.47
3/16"	-YN-YT3	1/2	0.47
1/4"	-YN-YT4	9/16	0.50
5/16"	-YN-YT5	5/8	0.53
3/8"	-YN-YT6	11/16	0.56
1/2"	-YN-YT8	7/8	0.69
5/8"	-YN-YT10	1	0.69
3/4"	-YN-YT12	1 1/8	0.69
7/8"	-YN-YT14	1 1/4	0.69
1"	-YN-YT16	1 1/2	0.81
1 1/4"	-YN-YT20	1 7/8	1.25
1 1/2"	-YN-YT24	2 1/4	1.50
2"	-YN-YT32	3	2.06

Tube OD	Basic Ordering Number	Dimension, mm	
		H	L
2mm	-YN-YT2M	12	11.9
3mm	-YN-YT3M	12	11.9
4mm	-YN-YT4M	12	11.9
6mm	-YN-YT6M	14	12.7
8mm	-YN-YT8M	16	13.5
10mm	-YN-YT10M	19	15.1
12mm	-YN-YT12M	22	17.4
14mm	-YN-YT14M	25	17.4
15mm	-YN-YT15M	25	17.4
16mm	-YN-YT16M	25	17.4
18mm	-YN-YT18M	30	17.4
20mm	-YN-YT20M	32	17.4
22mm	-YN-YT22M	32	17.4
25mm	-YN-YT25M	38	20.6
28mm	-YN-YT28M	46	30.6
30mm	-YN-YT30M	50	32.7
32mm	-YN-YT32M	50	34.4
38mm	-YN-YT38M	50	40.6

To order, add a material designator in the basic ordering number before, constitute INSEMOUNT complete ferrule nut ordering number. Example: SS-YT-YT2
Nut default are matt silver coated.To order bright silver plated nut, add -L to the ordering number. Example: SS-YN-YT2-L

Back Ferrules



Tube OD	Basic Ordering Number
1/16"	-YB-YT1
1/8"	-YB-YT2
3/16"	-YB-YT3
1/4"	-YB-YT4
5/16"	-YB-YT5
3/8"	-YB-YT6
1/2"	-YB-YT8
5/8"	-YB-YT10
3/4"	-YB-YT12
7/8"	-YB-YT14
1"	-YB-YT16
1 1/4"	-YB-YT20
1 1/2"	-YB-YT24
2"	-YB-YT32

Tube OD	Basic Ordering Number
2mm	-YB-YT 2M
3mm	-YB-YT3M
4mm	-YB-YT4M
6mm	-YB-YT6M
8mm	-YB-YT8M
10mm	-YB-YT10M
12mm	-YB-YT12M
14mm	-YB-YT14M
15mm	-YB-YT15M
16mm	-YB-YT16M
18mm	-YB-YT18M
20mm	-YB-YT20M
22mm	-YB-YT22M
25mm	-YB-YT25M
28mm	-YB-YT28M
30mm	-YB-YT30M
32mm	-YB-YT32M
38mm	-YB-YT38M
50mm	-YB-YT50M

To order, add a material designator in the basic ordering number before, constitute INSEMOUNT complete back ferrule ordering number. Example: SS-YB-YT2

Front Ferrules



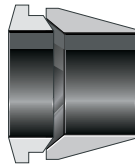
Tube OD	Basic Ordering Number
1/16"	-YF-YT 1
1/8"	-YF-YT2
3/16"	-YF-YT3
1/4"	-YF-YT4
5/16"	-YF-YT5
3/8"	-YF-YT6
1/2"	-YF-YT8
5/8"	-YF-YT10
3/4"	-YF-YT12
7/8"	-YF-YT14
1"	-YF-YT16
1 1/4"	-YF-YT20
1 1/2"	-YF-YT24
2"	-YF-YT32

Tube OD	Basic Ordering Number
2mm	-YF-YT 2M
3mm	-YF-YT3M
4mm	-YF-YT4M
6mm	-YF-YT6M
8mm	-YF-YT8M
10mm	-YF-YT10M
12mm	-YF-YT12M
14mm	-YF-YT14M
15mm	-YF-YT15M
16mm	-YF-YT16M
18mm	-YF-YT18M
20mm	-YF-YT20M
22mm	-YF-YT22M
25mm	-YF-YT25M
28mm	-YF-YT28M
30mm	-YF-YT30M
32mm	-YF-YT32M
38mm	-YF-YT38M
50mm	-YF-YT50M

To order, add a material designator in the basic ordering number before, constitute INSEMOUNT complete front ferrule ordering number. Example: SS-YF-YT2

Ferrule Sets

The ferrule sets contains one back ferrule, and one front ferrule.
Selection information below:



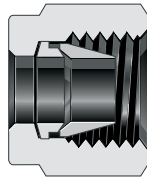
Dimension, in.	Basic Ordering Number
1/16	-BF-YT1
1/8	-BF-YT2
3/16	-BF-YT3
1/4	-BF-YT4
5/16	-BF-YT5
3/8	-BF-YT6
1/2	-BF-YT8
5/8	-BF-YT10
3/4	-BF-YT12

To order, add a material designator in the basic ordering number before, constitute INSEMOUNT complete ferrule sets ordering number.
Example: SS-BF-YT2

Dimension, mm	Basic Ordering Number
2	-BF-YT2M
3	-BF-YT3M
4	-BF-YT4M
6	-BF-YT6M
8	-BF-YT8M
10	-BF-YT10M
12	-BF-YT12M
14	-BF-YT14M
15	-BF-YT15M
16	-BF-YT16M
18	-BF-YT18M

Nut-Ferrule Sets

The nut-ferrule sets contains one nut, one back ferrule, and one front ferrule.
Selection information below:



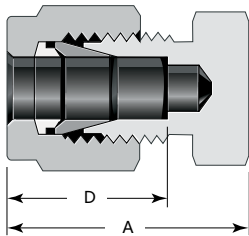
Dimension, in.	Basic Ordering Number
1/16	-NBF-YT1
1/8	-NBF-YT2
3/16	-NBF-YT3
1/4	-NBF-YT4
5/16	-NBF-YT5
3/8	-NBF-YT6
1/2	-NBF-YT8
5/8	-NBF-YT10
3/4	-NBF-YT12

To order, add a material designator in the basic ordering number before, constitute INSEMOUNT complete nut-ferrule sets ordering number.
Example: SS-NBF-YT2

Dimension, mm	Basic Ordering Number
2	-NBF-YT2M
3	-NBF-YT3M
4	-NBF-YT4M
6	-NBF-YT6M
8	-NBF-YT8M
10	-NBF-YT10M
12	-NBF-YT12M
14	-NBF-YT14M
15	-NBF-YT15M
16	-NBF-YT16M
18	-NBF-YT18M

Caps

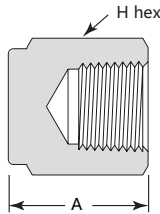
Tube Caps



Tube OD	Basic Ordering Number	A	D
Dimension, in.			
1/16	-BN-YT1	0.59	0.34
3/8	-BN-YT2	0.79	0.50
3/16	-BN-YT3	0.84	0.54
1/4	-BN-YT4	0.92	0.60
5/16	-BN-YT5	0.96	0.64
3/8	-BN-YT6	1.01	0.66
1/2	-BN-YT8	1.21	0.90
5/8	-BN-YT10	1.24	0.96
3/4	-BN-YT12	1.27	0.96
7/8	-BN-YT14	1.37	1.02
1	-BN-YT16	1.61	1.23
1 1/8	-BN-YT18	1.61	1.23
1 1/4	-BN-YT20	2.10	1.62
1 1/2	-BN-YT24	2.54	1.97
2	-BN-YT32	3.41	2.66

Tube OD	Basic Ordering Number	A	D
Dimension, mm			
2	-BN-YT2M	20.1	12.9
3	-BN-YT3M	20.1	12.9
4	-BN-YT4M	21.3	13.7
6	-BN-YT6M	23.1	15.3
8	-BN-YT8M	24.5	16.2
10	-BN-YT10M	26.6	17.2
12	-BN-YT12M	30.6	22.8
14	-BN-YT14M	31.4	24.4
15	-BN-YT15M	31.4	24.4
16	-BN-YT16M	31.4	24.4
18	-BN-YT18M	32.2	24.4
20	-BN-YT20M	34.8	26.0
22	-BN-YT22M	34.8	26.0
25	-BN-YT25M	41.0	31.3
28	-BN-YT28M	48.5	36.6
30	-BN-YT30M	53.4	39.6
32	-BN-YT32M	55.8	42.0
38	-BN-YT38M	65.4	49.4

Pipe Caps

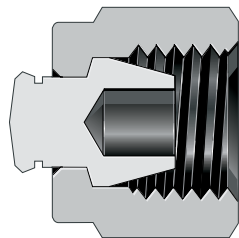


NPT Size	Basic Ordering Number	Dimension, in(mm)	
		A	H
1/8	-BN-NT2	0.75(19.1)	9/16
1/4	-BN-NT4	0.91(23.1)	3/4
3/8	-BN-NT6	1.03(26.2)	7/8
1/2	-BN-NT8	1.34(34.0)	1 1/16
3/4	-BN-NT12	1.44(36.6)	1 5/16
1	-BN-NT16	1.62(41.1)	1 5/8

To order, add a material designator in the basic ordering number before, constitute INSEMOUNT complete cap ordering number.
Example: SS-BN-YT2

Plugs

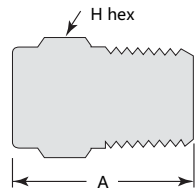
Tube Plugs



Tube OD	Basic Ordering Number
Dimension, in.	
1/16	-P-YT1
1/8	-P-YT2
3/16	-P-YT3
1/4	-P-YT4
5/16	-P-YT5
3/8	-P-YT6
1/2	-P-YT8
5/8	-P-YT10
3/4	-P-YT12
7/8	-P-YT14
1	-P-YT16
1 1/4	-P-YT20
1 1/2	-P-YT24
2	-P-YT32

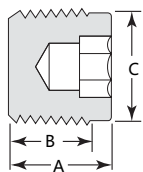
Tube OD	Basic Ordering Number
Dimension, mm	
2	-P-YT2M
3	-P-YT3M
4	-P-YT4M
6	-P-YT6M
8	-P-YT8M
10	-P-YT10M
12	-P-YT12M
15	-P-YT15M
16	-P-YT16M
18	-P-YT18M
20	-P-YT20M
22	-P-YT22M
25	-P-YT25M
28	-P-YT28M
30	-P-YT30M
32	-P-YT32M
38	-P-YT38M

Pipe Plugs



NPT Size	Basic Ordering Number	Dimension, in(mm)	
		A	H
1/16	-P-NT1	0.75(19.1)	5/16
1/8	-P-NT2	0.75(19.1)	7/16
1/4	-P-NT4	0.96(24.4)	9/16
3/8	-P-NT6	0.99(25.1)	11/16
1/2	-P-NT8	1.21(30.7)	7/8
3/4	-P-NT12	1.21(30.7)	1 1/16
1	-P-NT16	1.50(38.1)	1 3/8

Hollow Hex Plugs

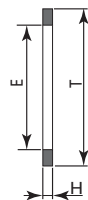


NPT Size	Basic Ordering Number	Dimension, in(mm)		
		A	B	C
1/8	-PI-NT2	0.41(10.4)	0.29(7.4)	0.37(9.4)
1/4	-PI-NT4	0.61(15.5)	0.49(12.4)	0.48(12.1)
3/8	-PI-NT6	0.59(15.0)	0.47(11.9)	0.62(15.7)
1/2	-PI-NT8	0.76(19.3)	0.64(16.2)	0.76(19.3)

To order, add a material designator in the basic ordering number before, constitute INSEMOUNT complete plug ordering number.
Example: SS-P-YT2

Gaskets

G Series Gaskets

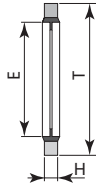


ISO Parallel Thread Size	Basic Ordering Number	Dimension, mm		
		T	E	H
1/4	-G-4	10.7	7.6	1.8
3/8	-G-6	14.2	8.6	2.3
1/2	-G-8	17.8	9.1	2.5

Metric Thread Size	Basic Ordering Number	Dimension, mm		
		T	E	H
M10 × 1	-G-10M	8.3	3.3	1.5
M12 × 1.5	-G-12M	9.7	5.4	2.0
M14 × 1.5	-G-14M	11.7	6.4	
M16 × 1.5	-G-16M	13.7	8.4	
M18 × 1.5	-G-18M	15.7	10.0	
M20 × 1.5	-G-20M	17.6	11.4	
M22 × 1.5	-G-22M	19.6	13.4	
M24 × 1.5	-G-24M	21.6	14.8	2.5
M27 × 2	-G-27M	24.0	13.9	
M30 × 2	-G-30M	27.0	19.5	
M33 × 2	-G-33M	30.0	21.5	
M36 × 2	-G-36M	33.0	23.5	
M39 × 2	-G-39M	36.0	24.5	
M42 × 2	-G-42M	38.9	29.5	
M45 × 2	-G-45M	41.9	30.0	
M48 × 2	-G-48M	44.9	32.5	

To order, add a material designator in the basic ordering number before, constitute INSEMOUNT complete G series gasket ordering number.
Example: CO-G-4

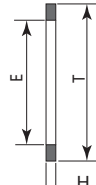
GR Series Gaskets



ISO Parallel Thread Size	Basic Ordering Number	Dimension, mm		
		T	E	H
1/8	-GR-2	16.0	10.4	2.0
1/4	-GR-4	20.6	13.7	
3/8	-GR-6	23.9	17.3	
1/2	-GR-8	28.7	21.6	2.5
3/4	-GR-12	35.1	26.9	
1	-GR-16	42.9	33.8	

- 1、 To order, add a material designator in the basic ordering number before, constitute INSEMOUNT complete GR series gasket ordering number.Example: SS-GR-4
- 2、 Inner ring rubber default for FKM, other materials, please contact your authorized INSEMOUNT representative.

GE Series Gaskets



ISO Parallel Thread Size	Basic Ordering Number	Dimension, mm		
		T	E	H
1/8	-GE-2	15.0	9.9	1.0
1/4	-GE-4	19.1	13.2	2.0
3/8	-GE-6	23.1	16.8	
1/2	-GE-8	26.9	21.1	
3/4	-GE-12	33.0	26.7	2.5
1	-GE-16	40.1	33.2	

To order, add a material designator in the basic ordering number before, constitute INSEMOUNT complete GE series gasket ordering number.
Example: CO-GE-4

Stainless Steel Seamless Tubing



Fractional Sizes

Material Standards

Grade	UNS	ASTM	ASME
316 / 316L	S31600 / S31603	A213 / A269	SA213
304 / 304L	S30400 / S30403	A213 / A269	SA213

Treatment Process

Type	Pickling	Mechanical polishing	Bright annealing	Electrolytic polishing
Mark	AP	MP	BA	EP

Size, Pressure Data

Tubing OD in.	Nominal Wall Thickness in.	Ordering Size	Nominal Length m	Pressure Ratings psig
1/8	0.028	Φ1/8"×0.028" ×6M	6	8500
1/4	0.035	Φ1/4 "×0.035"×6M		5100
	0.049	Φ1/4 "×0.049"×6M		7500
	0.065	Φ1/4 "×0.065"×6M		10200
3/8	0.035	Φ3/8 "×0.035"×6M		3300
	0.049	Φ3/8 "×0.049"×6M		4800
	0.065	Φ3/8 "×0.065"×6M		6500
1/2	0.035	Φ1/2 "×0.035"×6M		2600
	0.049	Φ1/2 "×0.049"×6M		3700
	0.065	Φ1/2 "×0.065"×6M		5100
5/8	0.065	Φ5/8 "×0.065"×6M		4000
3/4	0.065	Φ3/4 "×0.065"×6M		3300
1	0.083	Φ1 "×0.083"×6M		3100
1 1/4	0.095	Φ1 1/4 "×0.095"×6M		2800
	0.120	Φ1 1/4"×0.120 "×6M		3600
1 1/2	0.120	Φ1 1/2 "×0.120 "×6M		3000
	0.134	Φ1 "×0.134"×6M		3400
2	0.134	Φ2 "×0.134"×6M		2500
	0.188	Φ2"×0.188"×6M		3600

Ordering Information:
To order YT-LOK fractional size stainless steel seamless tubing, must indicate material standard&grade, Ordering size and treatment process. Example:A269-TP316-Φ1/2"×0.035"×6M-MP, detailed information, please contact your authorized INSEMOUNT representative.
Need other materials fractional size stainless steel seamless tubing, please contact your authorized INSEMOUNT representative.

Metric Sizes

Material Standards

Grade	UNS	ASTM	ASME
316 / 316L	S31600 / S31603	A213 / A269	SA213
304 / 304L	S30400 / S30403	A213 / A269	SA213

Treatment Process

Type	Pickling	Mechanical polishing	Bright annealing	Electrolytic polishing
Mark	AP	MP	BA	EP

Size, Pressure Data

Tubing OD mm	Nominal Wall Thickness mm	Ordering Size	Nominal Length m	Pressure Ratings bar
3	0.5	Φ3mm×0.5mm×6M	6	340
	0.7	Φ3mm×0.7mm×6M		560
6	1.0	Φ6mm×1.0mm×6M		420
	1.5	Φ6mm×1.5mm×6M		710
8	1.0	Φ8mm×1.0mm×6M		310
	1.5	Φ8mm×1.5mm×6M		520
10	1.0	Φ10mm×1.0mm×6M		240
	1.5	Φ10mm×1.5mm×6M		400
12	1.0	Φ12mm×1.0mm×6M		200
	1.5	Φ12mm×1.5mm×6M		330
	2.0	Φ12mm×2.0mm×6M		470
16	1.0	Φ16mm×1.0mm×6M		140
	1.5	Φ1mm6×1.5mm×6M		230
	2.0	Φ16mm×2.0mm×6M		330
18	1.0	Φ18mm×1.0mm×6M		120
	1.5	Φ18mm×1.5mm×6M		200
	2.0	Φ18mm×2.0mm×6M		290
20	2.0	Φ20mm×2.0mm×6M		260
22	2.0	Φ22mm×2.0mm×6M		230
25	2.0	Φ25mm×2.0mm×6M		200
	2.5	Φ25mm×2.5mm×6M		260

Ordering Information:
To order YT-LOK material size stainless steel seamless tubing, must indicate material standard&grade, Ordering size and treatment process.Example: A269-TP316-Φ3mm×0.5mm×6M-MP, detailed information, please contact your authorized INSEMOUNT representative.
Need other materials material size stainless steel seamless tubing, please contact your authorized INSEMOUNT representative.

Pipe Sizes

Material Standards

Grade	UNS	ASTM	ASME
316 / 316L	S31600 / S31603	A312	SA312
304 / 304L	S30400 / S30403	A312	SA312

Size, Pressure Data

Pipe Size NPS	Nominal OD mm	Schedule Number	Nominal Wall Thickness mm	Pressure Ratings, psig(bar)	Ordering Size
1/8	10.29	sch10	1.25	3940(272)	NPS1/8 sch10
		sch40	1.73	5750(397)	NPS1/8 sch40
		sch80	2.41	8700(600)	NPS1/8 sch80
1/4	13.72	sch10	1.65	3960(273)	NPS1/4 sch10
		sch40	2.24	5620(387)	NPS1/4 sch40
		sch80	3.02	8130(560)	NPS1/4 sch80
3/8	17.15	sch10	1.65	3110(215)	NPS3/8 sch10
		sch40	2.31	4540(313)	NPS3/8 sch40
		sch80	3.2	6660(459)	NPS3/8 sch80
1/2	21.34	sch5	1.65	2470(170)	NPS1/2 sch5
		sch10	2.11	3220(222)	NPS1/2 sch10
		sch40	2.77	4370(301)	NPS1/2 sch40
		sch80	3.73	6190(427)	NPS1/2 sch80
		sch160	4.75	—	NPS1/2 sch160
3/4	26.67	sch5	1.65	1960(135)	NPS3/4 sch5
		sch10	2.11	2540(175)	NPS3/4 sch10
		sch40	2.87	3550(245)	NPS3/4 sch40
		sch80	3.91	5040(348)	NPS3/4 sch80
		sch160	5.54	—	NPS3/4 sch160
1	33.4	sch5	1.65	1550(107)	NPS1 sch5
		sch10	2.77	2680(185)	NPS1 sch10
		sch40	3.38	3330(229)	NPS1 sch40
		sch80	4.55	4650(320)	NPS1 sch80
		sch160	6.35	—	NPS1 sch160
1 1/4	42.16	sch5	1.65	1230(85)	NPS1 1/4 sch5
		sch10	2.77	2110(146)	NPS1 1/4 sch10
		sch40	3.56	2760(190)	NPS1 1/4 sch40
		sch80	4.85	3890(268)	NPS1 1/4 sch80
		sch160	6.35	—	NPS1 1/4 sch160

Pipe Size NPS	Nominal OD mm	Schedule Number	Nominal Wall Thickness mm	Pressure Ratings, psig(bar)	Ordering Size
1 1/2	48.26	sch5	1.65	1070(74)	NPS1 1/2 sch5
		sch10	2.77	1830(126)	NPS1 1/2 sch10
		sch40	3.68	2460(170)	NPS1 1/2 sch40
		sch80	5.08	3520(243)	NPS1 1/2 sch80
		sch160	7.14	—	NPS1 1/2 sch160
2	60.33	sch5	1.65	840(58)	NPS2 sch5
		sch10	2.77	1430(99)	NPS2 sch10
		sch40	3.91	2060(142)	NPS2 sch40
		sch80	5.54	2990(206)	NPS2 sch80
		sch160	8.74	—	NPS2 sch160
2 1/2	73.03	sch5	2.11	—	NPS2 1/2 sch5
		sch10	3.05		NPS2 1/2 sch10
		sch40	5.16		NPS2 1/2 sch40
		sch80	7.01		NPS2 1/2 sch80
		sch160	9.53		NPS2 1/2 sch160
3	88.9	sch5	2.11	—	NPS3 sch5
		sch10	3.05		NPS3 sch10
		sch40	5.49		NPS3 sch40
		sch80	7.62		NPS3 sch80
		sch160	11.13		NPS3 sch160

Ordering Information:

To order YT-LOK pipe size stainless steel seamless tubing, must indicate material standard&grade, Ordering size.
Example: A312-TP316-NPS1/2sch80×2M, detailed information, please contact your authorized INSEMOUNT representative.
Need other materials material size stainless steel seamless tubing, please contact your authorized INSEMOUNT representative.