

Contents

Pipe Plugs



Hollow Hex Plugs



Close Nipples



Special Pipe Nipples



Hex Nipples



Hex Long Nipples



Reducing Bushings



Pipe Cap



Hex Couplings



Union Ball Joints



Adapter



Male Elbows



Street Elbows



45° Street Elbows



Female Elbows



45° Female Elbows



Male Tees



Female Branch Tees



Female Run Tees



Male Street Tees



Male Branch Tees



Female Tees



Female Crosses



Features

- ◎ Hardened threads and smoothed surface finishes extend fitting life and prevent sticking of the matching threads.
- ◎ Radius junction design with elbows provides smooth flow path.
- ◎ Every fitting is stamped with connection type and size, material, and heat code.

Technical Data

- ◎ Sizes range from 1/16" to 2" and 6 mm to 30 mm.
- ◎ Thread Specifications

Thread Type	Specification
NPT	ASME B1.20.1, SAE AS71051
BSP (Tapered)	ISO 7/1, BS 21, JIS B0203
BSP (Parallel)	ISO 228, JIS B0202
Unified (SAE)	ASME B1.1
Metric (M)	ISO 261, GB/T196

- ◎ For the working Pressures and temperatures of FD-LOK pipe fittings, refer to the FD-LOK tube fitting catalog.

Material

Material	Bar Stock	Forgings
316 stainless steel	ASTM A276, ASME SA479, EN 1.4401	ASTM A182, ASME SA182, EN 1.4401
304 stainless steel	ASTM A276, ASME SA479, EN 1.4301	ASTM A182, ASME SA182, EN 1.4301
321 stainless steel	ASTM A276, ASME SA479, EN 1.4541	ASTM A182, ASME SA182, EN 1.4541
Alloy 400/R-405	ASTM B164, ASME SB164	ASTM B564, ASME SB564
Alloy 600	ASTM B166, ASME SB166	ASTM B564, ASME SB564
Alloy C-276	ASTM B574	ASTM B564
Brass	ASTM B16/B453	ASTM B283
Carbon steel	ASTM A108	/

Ordering Information

Add the material designator as a prefix to the basic ordering number to get the complete ordering number.

For example:

1. Hex nipple with male 1/4 in. NPT threads and 316 stainless steel Material, the complete ordering number is SS-PHN-NT4.
2. Adapter with female 1/2 in. NPT to male 1/4 in. RS threads and Brass Material, the complete ordering number is B-PA-NT8-RS4.

Material	Designator
316 SS	SS
304 SS	S4
321 SS	S1
Alloy 400/R-405	M
Alloy 600	INC
Alloy C-276	HC
Brass	B
Carbon steel	CS

Installation Instructions

The proper torque for installing pipe fittings is needed, the following is for reference.

NPT/ISO Pipe Thread	Torque (Nm)
1/16"	8-9
1/8"	14-15
1/4"	26-27
3/8"	50-52
1/2"	80-82
3/4"	112-114
1"	149-152
1 1/4"	176-179
1 1/2"	220-223
2"	340-343

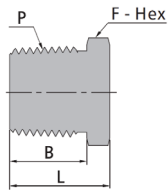
SAE Thread	Torque (Nm)
5/16-24	8-9
3/8-24	11-12
7/16-20	15-16
1/2-20	19-21
9/16-18	24-28
3/4-16	49-53
7/8-14	77-85
1 1/16-12	107-119
1 3/16-12	127-140
1 5/16-12	147-154
1 5/8-12	172-181
1 7/8-12	215-226

Metric Thread	Torque (Nm)
M6 x 1	5-6
M8 x 1	7-8
M10 x 1	12-13
M12 x 1.5	17-19
M14 x 1.5	22-25
M16 x 1.5	32-35
M18 x 1.5	43-47
M20 x 1.5	51-55
M22 x 1.5	76-81
M27 x 2	108-116
M30 x 2	128-136

Cautions

- ⊙ Do not loose or tight fittings when system is pressurized.
- ⊙ Always use proper thread sealants on tapered pipe threads.
- ⊙ Confirm the sealing type when choosing the straight threads, make sure the construction of the matching threads comply with the sealing type.
- Dimensions in mm unless otherwise specified, are for reference only and are subject to change.

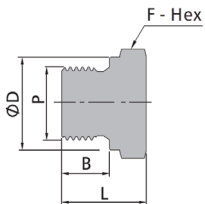
Pipe Plug



Male NPT Threads						
P-NPT Size (in.)	Basic Ordering Number				Inter-changes with	
		L	F	B		
1/16	-PP-NT1	13.7	7.9	9.7	-1-P	
1/8	-PP-NT2	14.2	11.1	9.7	-2-P	
1/4	-PP-NT4	19.1	14.3	14.2	-4-P	
3/8	-PP-NT6	19.8	17.5	14.2	-6-P	
1/2	-PP-NT8	24.6	22.2	19.1	-8-P	
3/4	-PP-NT12	26.9	27.0	19.1	-12-P	
1	-PP-NT16	31.8	33.3	23.9	-16-P	
1 1/4	-PP-NT20	38.4	44.5	23.9		
1 1/2	-PP-NT24	43.7	50.8	26.2		
2	-PP-NT32	50.8	69.9	26.9		

Male ISO Tapered Pipe Threads

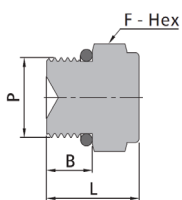
P-RT Size (in.)	Basic Ordering Number			
		L	F	B
1/16	-PP-RT1	13.7	7.9	9.7
1/8	-PP-RT2	14.2	11.1	9.7
1/4	-PP-RT4	19.1	14.3	14.2
3/8	-PP-RT6	19.8	17.5	14.2
1/2	-PP-RT8	26.4	22.2	19.1
3/4	-PP-RT12	26.9	27.0	19.1
1	-PP-RT16	31.8	34.9	23.9
1 1/4	-PP-RT20	34.1	42.9	23.9
1 1/2	-PP-RT24	38.1	49.2	26.2
2	-PP-RT32	39.6	61.9	26.9



Male ISO parallel Pipe Threads

P-RS Size (in.)	Basic Ordering Number				
		L	F	B	D
1/8	-PP-RS2	14.0	14.3	7.1	13.7
1/4	-PP-RS4	19.8	19.1	11.2	18.0
3/8	-PP-RS6	19.8	22.2	11.2	21.8
1/2	-PP-RS8	25.1	27.0	14.2	25.9
3/4	-PP-RS12	28.7	33.3	16.0	32.0
1	-PP-RS16	30.7	41.3	18.3	39.1

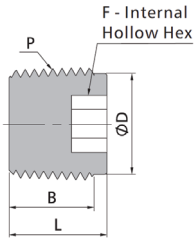
Pipe Plug



Male SAE/MS Straight Threads

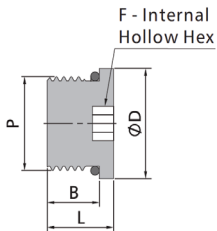
P-SAE/MS Thread Size	Basic Ordering Number				Inter-changes With
		L	F	B	
7/16-20	-PP-ST7	19.3	14.3	9.1	-4-PST
9/16-18	-PP-ST9	20.8	17.5	9.9	-6-PST
3/4-16	-PP-ST12	22.6	22.2	11.2	-8-PST
1 1/16-12	-PP-ST17	28.4	31.8	15.0	-12-PST
15/16-12	-PP-ST21	30.0	38.1	15.0	-16-PST

Hollow Hex Plug



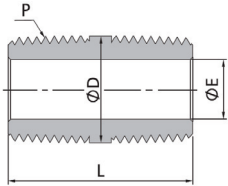
Male NPT Threads						
P-NPT Size (in.)	Basic Ordering Number	L	F	B	D	Inter-changes with
1/16	-PI-NT1	7.6	4.0	7.4	7.4	
1/8	-PI-NT2	10.4	4.8	7.4	9.4	-2-HP
1/4	-PI-NT4	15.5	6.4	12.4	12.1	-4-HP
3/8	-PI-NT6	15.0	7.9	11.9	15.7	-6-HP
1/2	-PI-NT8	19.3	9.5	16.2	19.3	-8-HP
3/4	-PI-NT12	19.8	14.3	16.7	25.7	
1	-PI-NT16	20.8	15.9	17.7	31.8	

Male ISO Tapered Pipe Threads						
P-RT Size (in.)	Basic Ordering Number	L	F	B	D	
1/16	-PI-RT1	7.6	4.0	7.4	7.4	
1/8	-PI-RT2	10.4	4.8	7.4	9.4	
1/4	-PI-RT4	15.5	6.4	12.4	12.1	
3/8	-PI-RT6	15.5	7.9	12.4	15.7	
1/2	-PI-RT8	19.3	9.5	16.2	19.3	
3/4	-PI-RT12	19.8	14.3	16.7	25.7	
1	-PI-RT16	20.8	15.9	17.7	31.8	



Male SAE/MS Straight Threads						
P-SAE/MS Thread Size	Basic Ordering Number	L	F	B	D	Inter-changes with
7/16-20	-PI-ST7	11.4	4.8	9.1	14.2	-4-HPST
9/16-18	-PI-ST9	12.2	6.4	9.9	17.5	-6-HPST
3/4-16	-PI-ST12	14.2	7.9	11.2	22.4	-8-HPST
11/16-16	-PI-ST17	19.1	14.3	15.0	31.8	-12-HPST
15/16-16	-PI-ST21	19.1	15.9	15.0	38.1	-16-HPST

Close Nipple

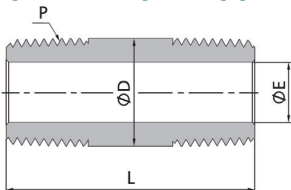


Male NPT Threads							
P-NPT Size (in.)	Basic Ordering Number				Working Pressure psig (bar)		Interchanges with
		L	D	E	SS, Steel	Brass	
1/16	-PCN-NT1	19.1	7.9	3.0	10500 (723)	6000 (413)	
1/8	-PCN-NT2	19.1	10.3	4.8	10000 (689)	5000 (344)	-2-CN
1/4	-PCN-NT4	28.4	13.7	7.1	8000 (551)	4000 (275)	-4-CN
3/8	-PCN-NT6	28.4	17.1	9.7	7800 (537)	3900 (268)	-6-CN
1/2	-PCN-NT8	38.1	21.3	11.9	7700 (530)	3800 (261)	-8-CN
3/4	-PCN-NT12	38.1	26.7	15.7	7300 (502)	3600 (248)	-12-CN
1	-PCN-NT16	47.8	33.4	22.4	5300 (365)	2600 (179)	-16-CN

Male ISO Tapered Pipe Threads

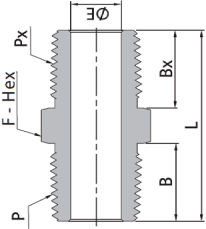
P-RT Size (in.)	Basic Ordering Number				Working Pressure psig (bar)	
		L	D	E	SS, Steel	Brass
1/16	-PCN-RT1	19.1	7.9	3.0	10500 (723)	6000 (413)
1/8	-PCN-RT2	19.1	10.3	4.8	10000 (689)	5000 (344)
1/4	-PCN-RT4	28.4	13.7	7.1	8000 (551)	4000 (275)
3/8	-PCN-RT6	28.4	17.1	9.7	7800 (537)	3900 (268)
1/2	-PCN-RT8	38.1	21.3	11.9	7700 (530)	3800 (261)
3/4	-PCN-RT12	38.1	26.7	15.7	7300 (502)	3600 (248)
1	-PCN-RT16	47.8	33.4	22.4	5300 (365)	2600 (179)

Special Pipe Nipple



Male NPT Threads							
P-NPT Size (in.)	Basic Ordering Number				Working Pressure psig (bar)		
		L	D	E	SS, Steel	Brass	
1/8	-PSN-NT2-38.1	38.1	10.3	4.8	10000 (689)	5000 (344)	
1/8	-PSN-NT2-50.8	50.8	10.3	4.8	10000 (689)	5000 (344)	
1/8	-PSN-NT2-63.5	63.5	10.3	4.8	10000 (689)	5000 (344)	
1/8	-PSN-NT2-76.2	76.2	10.3	4.8	10000 (689)	5000 (344)	
1/4	-PSN-NT4-38.1	38.1	13.7	7.1	8000 (551)	4000 (275)	
1/4	-PSN-NT4-50.8	50.8	13.7	7.1	8000 (551)	4000 (275)	
1/4	-PSN-NT4-63.5	63.5	13.7	7.1	8000 (551)	4000 (275)	
1/4	-PSN-NT4-76.2	76.2	13.7	7.1	8000 (551)	4000 (275)	
1/4	-PSN-NT4-101.6	101.6	13.7	7.1	8000 (551)	4000 (275)	
3/8	-PSN-NT6-38.1	38.1	17.1	9.7	7800 (537)	3900 (268)	
3/8	-PSN-NT6-50.8	50.8	17.1	9.7	7800 (537)	3900 (268)	
3/8	-PSN-NT6-63.5	63.5	17.1	9.7	7800 (537)	3900 (268)	
3/8	-PSN-NT6-76.2	76.2	17.1	9.7	7800 (537)	3900 (268)	
3/8	-PSN-NT6-101.6	101.6	17.1	9.7	7800 (537)	3900 (268)	
1/2	-PSN-NT8-50.8	50.8	21.3	11.9	7700 (530)	3800 (261)	
1/2	-PSN-NT8-76.2	76.2	21.3	11.9	7700 (530)	3800 (261)	
1/2	-PSN-NT8-101.6	101.6	21.3	11.9	7700 (530)	3800 (261)	
1/2	-PSN-NT8-152.4	152.4	21.3	11.9	7700 (530)	3800 (261)	
3/4	-PSN-NT12-50.8	50.8	26.7	15.7	7300 (502)	3600 (248)	
3/4	-PSN-NT12-76.2	76.2	26.7	15.7	7300 (502)	3600 (248)	
3/4	-PSN-NT12-101.6	101.6	26.7	15.7	7300 (502)	3600 (248)	
1	-PSN-NT16-76.2	76.2	33.4	22.4	5300 (365)	2600 (179)	
1	-PSN-NT16-101.6	101.6	33.4	22.4	5300 (365)	2600 (179)	

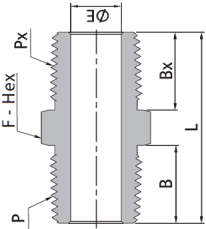
Hex Nipple



Male NPT Threads

P-NPT Size (in.)	Px-NPT Size (in.)	Basic Ordering Number	Working Pressure						Inter-changes with	
			L	F	B	Bx	E	SS, Steel		Brass
1/16	1/16	-PHN-NT1	25.7	7.9	9.7	9.7	3.0	11000 (757)	5500 (378)	-1-HN
1/8	1/16	-PHN-NT2-NT1	25.7	11.1	9.7	9.7	3.0	11000 (757)	5500 (378)	-2-HRN-1
1/8	1/8	-PHN-NT2	25.7	11.1	9.7	9.7	4.8	10000 (689)	5000 (344)	-2-HN
1/4	1/16	-PHN-NT4-NT1	31.8	15.9	14.2	9.7	3.0	11000 (757)	5500 (378)	-4-HRN-2
1/4	1/8	-PHN-NT4-NT2	31.0	14.3	14.2	9.7	4.8	10000 (689)	5000 (344)	-4-HN
1/4	1/4	-PHN-NT4	35.6	14.3	14.2	14.2	7.1	8000 (551)	4000 (275)	-4-HN
3/8	1/16	-PHN-NT6-NT1	31.8	17.5	14.2	9.7	3.0	8000 (551)	4000 (275)	-6-HRN-2
3/8	1/8	-PHN-NT6-NT2	31.8	17.5	14.2	9.7	4.8	10000 (689)	5000 (344)	-6-HRN-4
3/8	1/4	-PHN-NT6-NT4	36.3	17.5	14.2	14.2	7.1	8000 (551)	4000 (275)	-6-HN
3/8	3/8	-PHN-NT6	36.3	17.5	14.2	14.2	9.7	7800 (537)	3900 (268)	-8-HRN-2
1/2	1/8	-PHN-NT8-NT2	37.3	22.2	19.1	9.7	4.8	7700 (530)	3800 (261)	-8-HRN-4
1/2	1/4	-PHN-NT8-NT4	41.9	22.2	19.1	14.2	7.1	8000 (551)	4000 (275)	-8-HRN-6
1/2	3/8	-PHN-NT8-NT6	41.9	22.2	19.1	14.2	9.7	7800 (537)	3900 (268)	-8-HN
1/2	1/2	-PHN-NT8	46.7	22.2	19.1	19.1	11.9	7700 (530)	3800 (261)	-12-HRN-4
3/4	1/8	-PHN-NT12-NT2	40.4	27.0	19.1	9.7	4.8	7700 (530)	3800 (261)	-12-HRN-8
3/4	1/4	-PHN-NT12-NT4	41.9	27.0	19.1	14.2	7.1	8000 (551)	4000 (275)	-12-HN
3/4	3/8	-PHN-NT12-NT6	45.2	27.0	19.1	14.2	9.7	7700 (530)	3800 (261)	-16-HRN-4
3/4	1/2	-PHN-NT12-NT8	46.7	27.0	19.1	19.1	11.9	7700 (530)	3800 (261)	-16-HRN-8
3/4	3/4	-PHN-NT12	46.7	27.0	19.1	19.1	15.7	7300 (502)	3600 (248)	-16-HN
1	1/8	-PHN-NT16-NT2	45.2	34.9	23.9	9.7	4.8	4900 (337)	2700 (186)	-16-HRN-12
1	1/4	-PHN-NT16-NT4	49.3	34.9	23.9	14.2	7.1	5300 (365)	2600 (179)	-16-HN
1	3/8	-PHN-NT16-NT6	50.0	34.9	23.9	14.2	9.7	4900 (337)	2700 (186)	-16-HRN-12
1	1/2	-PHN-NT16-NT8	54.1	34.9	23.9	19.1	11.9	7700 (530)	3800 (261)	-16-HN
1	3/4	-PHN-NT16-NT12	54.1	34.9	23.9	19.1	15.7	7300 (502)	3600 (248)	-16-HN
1	1	-PHN-NT16	58.9	34.9	23.9	23.9	22.4	5300 (365)	2600 (179)	-16-HN
1 1/4	1	-PHN-NT20-NT16	62.2	44.5	23.9	23.9	22.4	3700 (254)	2000 (137)	-16-HN
1 1/4	1 1/4	-PHN-NT20	62.9	44.5	23.9	23.9	27.7	3700 (254)	2000 (137)	-16-HN
1 1/2	1 1/2	-PHN-NT24	66.3	50.8	26.2	26.2	34.0	5300 (365)	2600 (179)	-16-HN
2	2	-PHN-NT32	77.7	69.9	26.9	26.9	36.3	3100 (213)	1800 (124)	-16-HN
Heavy-Wall Male NPT Threads										
1/4	1/4	-PHN-NT4-10K	35.6	14.3	14.2	14.2	4.8	10000 (689)		-4-HN-10K
1/2	1/4	-PHN-NT8-NT4-10K	41.9	22.2	19.1	14.2	5.8	10000 (689)		-8-HRN-4-10K
1/2	1/2	-PHN-NT8-10K	46.7	22.2	19.1	19.1	9.9	10000 (689)		-8-HN-10K

Hex Nipple

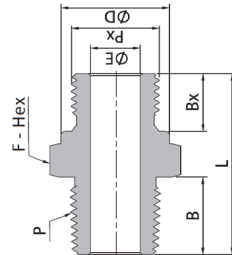


Male ISO Tapered Pipe Threads

P-RT Size (in.)	Px-RT Size (in.)	Basic Ordering Number	L	F	B	Bx	E	SS, Steel	Working Pressure psig (bar)	Inter-changes with
1/8	1/8	-PHN-RT2	25.7	11.1	9.7	9.7	4.8	10000 (689)	5000 (344)	-2-HN-RT
1/4	1/4	-PHN-RT4	35.6	14.3	14.2	14.2	7.1	8000 (551)	4000 (275)	-4-HN-RT
3/8	3/8	-PHN-RT6	36.3	17.5	14.2	14.2	9.7	7800 (537)	3900 (268)	-6-HN-RT
1/2	1/2	-PHN-RT8	46.7	22.2	19.1	19.1	11.9	7700 (530)	3800 (261)	-8-HN-RT
3/4	3/4	-PHN-RT12	46.7	27.0	19.1	19.1	15.7	7300 (502)	3600 (248)	
1	1	-PHN-RT16	58.9	34.9	23.9	23.9	22.4	5300 (365)	2600 (179)	

Male NPT to Male ISO Tapered Pipe Threads

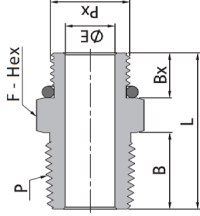
P-NPT Size (in.)	Px-RT Size (in.)	Basic Ordering Number	L	F	B	Bx	E	SS, Steel	Working Pressure psig (bar)	Inter-changes with
1/8	1/8	-PHN-NT2-RT2	25.7	11.1	9.7	9.7	4.8	10000 (689)	5000 (344)	-2-HN-2RT
1/4	1/4	-PHN-NT4-RT4	35.6	14.3	14.2	14.2	7.1	8000 (551)	4000 (275)	-4-HN-4RT
3/8	3/8	-PHN-NT6-RT6	36.3	17.5	14.2	14.2	9.7	7800 (537)	3900 (268)	-6-HN-6RT
1/2	1/2	-PHN-NT8-RT8	46.7	22.2	19.1	19.1	11.9	7700 (530)	3800 (261)	-8-HN-8RT
3/4	3/4	-PHN-NT12-RT12	46.7	27.0	19.1	19.1	15.7	7300 (502)	3600 (248)	-12-HN-12RT
1	1	-PHN-NT16-RT16	58.9	34.9	23.9	23.9	22.4	5300 (365)	2600 (179)	-16-HN-16RT



Male NPT to Male ISO parallel Pipe Threads

P-NPT Size (in.)	Px-RS Size (in.)	Basic Ordering Number	L	F	B	Bx	E	D	SS, Steel	Working Pressure psig (bar)	Inter-changes with
1/8	1/8	-PHN-NT2-RS2	27.7	14.3	9.7	7.1	4.1	13.7	11400 (785)	5700 (392)	-2-HN-2RS
1/4	1/4	-PHN-NT4-RS4	36.8	19.1	14.2	11.2	5.8	18.0	10300 (709)	5100 (351)	-4-HN-4RS
3/8	3/8	-PHN-NT6-RS6	37.6	22.2	14.2	11.2	7.9	21.8	10300 (709)	5100 (351)	-6-HN-6RS
1/2	1/2	-PHN-NT8-RS8	44.4	27.0	19.1	14.2	11.9	25.9	7600 (523)	3800 (261)	-8-HN-8RS
3/4	3/4	-PHN-NT12-RS12	49.0	33.3	19.1	15.7	15.7	32.0	7300 (502)	3600 (248)	-12-HN-12RS
1	1	-PHN-NT16-RS16	56.6	41.3	23.9	18.3	19.8	39.1	7400 (509)	3700 (254)	-16-HN-16RS

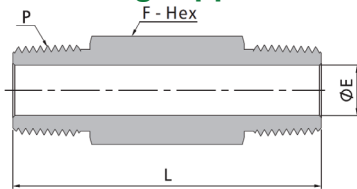
Hex Nipple



Male NPT to Male SAE/MS Straight Threads

P-NPT Size (in.)	Px- SAE/MS Thread Size	Basic Ordering Number	L	F	B	Bx	E	Working Pressure psig (bar)	Inter-changes with
1/4	7/16-20	-PHN-NT4-ST7	30.5	14.3	14.2	9.1	5.1	4500 (310)	-4-SAE-1-4
3/8	9/16-18	-PHN-NT6-ST9	32.0	17.5	14.2	9.9	7.1	4500 (310)	-6-SAE-1-6
1/2	3/4-16	-PHN-NT8-ST12	38.9	22.2	19.1	14.2	10.7	4500 (310)	-8-SAE-1-8
3/4	1 1/16-12	-PHN-NT12-ST17	44.4	31.8	19.1	15.0	16.7	3600 (248)	-12-SAE-1-12
1	1 5/16-12	-PHN-NT16-ST21	50.8	38.1	23.9	15.0	22.4	2900 (199)	-16-SAE-1-16

Hex Long Nipple



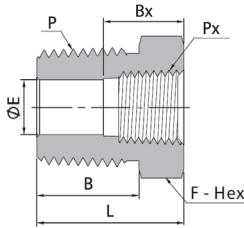
Male NPT Threads

P-NPT Size (in.)	Basic Ordering Number	L	F	E	Working Pressure		Interchanges with
					SS, Steel	Brass	
1/8	-PLN-NT2-38.1	38.1	11.1	4.8	10000 (689)	5000 (344)	-2-HLN-1.50
1/8	-PLN-NT2-50.8	50.8	11.1	4.8	10000 (689)	5000 (344)	-2-HLN-2.00
1/8	-PLN-NT2-63.5	63.5	11.1	4.8	10000 (689)	5000 (344)	-2-HLN-2.50
1/8	-PLN-NT2-76.2	76.2	11.1	4.8	10000 (689)	5000 (344)	-2-HLN-3.00
1/4	-PLN-NT4-38.1	38.1	14.3	7.1	8000 (551)	4000 (275)	-4-HLN-1.50
1/4	-PLN-NT4-50.8	50.8	14.3	7.1	8000 (551)	4000 (275)	-4-HLN-2.00
1/4	-PLN-NT4-63.5	63.5	14.3	7.1	8000 (551)	4000 (275)	-4-HLN-2.50
1/4	-PLN-NT4-76.2	76.2	14.3	7.1	8000 (551)	4000 (275)	-4-HLN-3.00
1/4	-PLN-NT4-101.6	101.6	14.3	7.1	8000 (551)	4000 (275)	-4-HLN-4.00
3/8	-PLN-NT6-38.1	38.1	17.5	9.7	7800 (537)	3900 (268)	-6-HLN-1.50
3/8	-PLN-NT6-50.8	50.8	17.5	9.7	7800 (537)	3900 (268)	-6-HLN-2.00
3/8	-PLN-NT6-63.5	63.5	17.5	9.7	7800 (537)	3900 (268)	-6-HLN-2.50
3/8	-PLN-NT6-76.2	76.2	17.5	9.7	7800 (537)	3900 (268)	-6-HLN-3.00
3/8	-PLN-NT6-101.6	101.6	17.5	9.7	7800 (537)	3900 (268)	-6-HLN-4.00
1/2	-PLN-NT8-50.8	50.8	22.2	11.9	7700 (530)	3800 (261)	-8-HLN-2.00
1/2	-PLN-NT8-76.2	76.2	22.2	11.9	7700 (530)	3800 (261)	-8-HLN-3.00
1/2	-PLN-NT8-101.6	101.6	22.2	11.9	7700 (530)	3800 (261)	-8-HLN-4.00
1/2	-PLN-NT8-152.4	152.4	22.2	11.9	7700 (530)	3800 (261)	-8-HLN-6.00
3/4	-PLN-NT12-50.8	50.8	27.0	15.7	7300 (502)	3600 (248)	-12-HLN-2.00
3/4	-PLN-NT12-76.2	76.2	27.0	15.7	7300 (502)	3600 (248)	-12-HLN-3.00
3/4	-PLN-NT12-101.6	101.6	27.0	15.7	7300 (502)	3600 (248)	-12-HLN-4.00
1	-PLN-NT16-76.2	76.2	34.9	22.4	5300 (365)	2600 (179)	-16-HLN-3.00
1	-PLN-NT16-101.6	101.6	34.9	22.4	5300 (365)	2600 (179)	-16-HLN-4.00

Male ISO Tapered Pipe Threads

P-RT Size (in.)	Basic Ordering Number	L	F	E	Working Pressure	
					SS, Steel	Brass
1/8	-PLN-RT2-38.1	38.1	11.1	4.8	10000 (689)	5000 (344)
1/8	-PLN-RT2-50.8	50.8	11.1	4.8	10000 (689)	5000 (344)
1/8	-PLN-RT2-63.5	63.5	11.1	4.8	10000 (689)	5000 (344)
1/8	-PLN-RT2-76.2	76.2	11.1	4.8	10000 (689)	5000 (344)
1/4	-PLN-RT4-38.1	38.1	14.3	7.1	8000 (551)	4000 (275)
1/4	-PLN-RT4-50.8	50.8	14.3	7.1	8000 (551)	4000 (275)
1/4	-PLN-RT4-63.5	63.5	14.3	7.1	8000 (551)	4000 (275)
1/4	-PLN-RT4-76.2	76.2	14.3	7.1	8000 (551)	4000 (275)
1/4	-PLN-RT4-101.6	101.6	14.3	7.1	8000 (551)	4000 (275)
3/8	-PLN-RT6-38.1	38.1	17.5	9.7	7800 (537)	3900 (268)
3/8	-PLN-RT6-50.8	50.8	17.5	9.7	7800 (537)	3900 (268)
3/8	-PLN-RT6-63.5	63.5	17.5	9.7	7800 (537)	3900 (268)
3/8	-PLN-RT6-76.2	76.2	17.5	9.7	7800 (537)	3900 (268)
3/8	-PLN-RT6-101.6	101.6	17.5	9.7	7800 (537)	3900 (268)
1/2	-PLN-RT8-50.8	50.8	22.2	11.9	7700 (530)	3800 (261)
1/2	-PLN-RT8-76.2	76.2	22.2	11.9	7700 (530)	3800 (261)
1/2	-PLN-RT8-101.6	101.6	22.2	11.9	7700 (530)	3800 (261)
1/2	-PLN-RT8-152.4	152.4	22.2	11.9	7700 (530)	3800 (261)
3/4	-PLN-RT12-50.8	50.8	27.0	15.7	7300 (502)	3600 (248)
3/4	-PLN-RT12-76.2	76.2	27.0	15.7	7300 (502)	3600 (248)
3/4	-PLN-RT12-101.6	101.6	27.0	15.7	7300 (502)	3600 (248)
1	-PLN-RT16-76.2	76.2	34.9	22.4	5300 (365)	2600 (179)
1	-PLN-RT16-101.6	101.6	34.9	22.4	5300 (365)	2600 (179)

Reducing Bushing



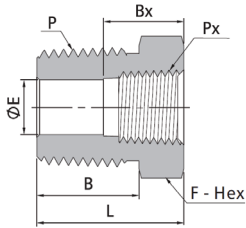
Male to Female NPT Threads

P-NPT Size (in.)	Px-NPT Size (in.)	Basic Ordering Number	Basic Ordering Number					Working Pressure psig (bar)		Inter-changes with
			L	F	B	Bx	E	SS, Steel	Brass	
1/8	1/16	-PRB-NT2-NT1	26.2	11.1	9.7	9.9	4.8	6500 (447)	3200 (220)	-2-RB-1
1/4	1/16	-PRB-NT4-NT1	21.8	14.3	14.2	9.9	4.8	7500 (516)	4100 (282)	
1/4	1/8	-PRB-NT4-NT2	26.9	14.3	14.2	10.4	7.1	6500 (447)	3300 (227)	-4-RB-2
3/8	1/16	-PRB-NT6-NT1	21.8	17.5	14.2	9.9	4.8	6600 (454)	3300 (227)	
3/8	1/8	-PRB-NT6-NT2	21.8	17.5	14.2	10.4	7.1	9200 (454)	4700 (227)	-6-RB-2
3/8	1/4	-PRB-NT6-NT4	30.2	19.1	14.2	15.0	9.7	6600 (454)	3300 (227)	-6-RB-4
1/2	1/8	-PRB-NT8-NT2	27.4	22.2	19.1	10.4	7.1	12200 (840)	6200 (427)	-8-RB-2
1/2	1/4	-PRB-NT8-NT4	27.4	22.2	19.1	15.0	10.4	8300 (571)	4400 (303)	-8-RB-4
1/2	3/8	-PRB-NT8-NT6	35.8	22.2	19.1	15.0	11.9	5300 (365)	2600 (179)	-8-RB-6
3/4	1/8	-PRB-NT12-NT2	29.7	27.0	19.1	10.4	7.1	6400 (441)	3800 (261)	
3/4	1/4	-PRB-NT12-NT4	27.4	27.0	19.1	15.0	10.4	12000 (826)	6000 (413)	-12-RB-4
3/4	3/8	-PRB-NT12-NT6	27.4	27.0	19.1	15.0	12.7	8200 (564)	4300 (296)	-12-RB-6
3/4	1/2	-PRB-NT12-NT8	41.4	27.0	19.1	19.8	15.7	4900 (337)	2400 (165)	-12-RB-8
1	1/8	-PRB-NT16-NT2	34.5	34.9	23.9	10.4	7.1	4600 (317)	2700 (186)	
1	1/4	-PRB-NT16-NT4	34.8	34.9	23.9	15.0	10.4	14500 (999)	7400 (509)	-16-RB-4
1	3/8	-PRB-NT16-NT6	34.8	34.9	23.9	15.0	12.7	11600 (799)	5900 (406)	-16-RB-6
1	1/2	-PRB-NT16-NT8	34.8	34.9	23.9	19.8	15.7	8600 (592)	4300 (296)	-16-RB-8
1	3/4	-PRB-NT16-NT12	47.0	34.9	23.9	20.6	22.4	5300 (365)	2600 (179)	-16-RB-12
1 1/4	3/4	-PRB-NT20-NT12	37.3	44.5	23.9	20.6	22.4	3500 (241)	2000 (137)	
1 1/4	1	-PRB-NT20-NT16	37.3	44.5	23.9	25.4	22.4	3500 (241)	2000 (137)	
1 1/2	1	-PRB-NT24-NT16	40.1	50.8	26.2	25.4	22.4	2900 (199)	1800 (124)	
1 1/2	1 1/4	-PRB-NT24-NT20	40.1	50.8	26.2	25.4	27.7	2700 (186)	1700 (117)	

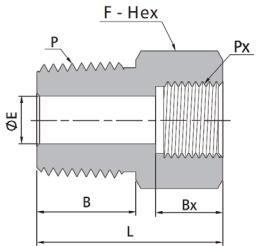
Male NPT to Female ISO Tapered Pipe Threads

P-NPT Size (in.)	Px-RT Size (in.)	Basic Ordering Number	Basic Ordering Number					Working Pressure psig (bar)	
			L	F	B	Bx	E	SS, Steel	Brass
1/8	1/16	-PRB-NT2-RT1	26.2	11.1	9.7	9.9	4.8	6500 (447)	3200 (220)
1/4	1/16	-PRB-NT4-RT1	21.8	14.3	14.2	9.9	4.8	7500 (516)	4100 (282)
1/4	1/8	-PRB-NT4-RT2	26.9	14.3	14.2	10.4	7.1	6500 (447)	3300 (227)
3/8	1/16	-PRB-NT6-RT1	21.8	17.5	14.2	9.9	4.8	6600 (454)	3300 (227)
3/8	1/8	-PRB-NT6-RT2	21.8	17.5	14.2	10.4	7.1	9200 (454)	4700 (227)
3/8	1/4	-PRB-NT6-RT4	30.2	19.1	14.2	15.0	9.7	6600 (454)	3300 (227)
1/2	1/8	-PRB-NT8-RT2	27.4	22.2	19.1	10.4	7.1	12200 (840)	6200 (427)
1/2	1/4	-PRB-NT8-RT4	27.4	22.2	19.1	15.0	10.4	8300 (571)	4400 (303)
1/2	3/8	-PRB-NT8-RT6	35.8	22.2	19.1	15.0	11.9	5300 (365)	2600 (179)
3/4	1/8	-PRB-NT12-RT2	29.7	27.0	19.1	10.4	7.1	6400 (441)	3800 (261)
3/4	1/4	-PRB-NT12-RT4	27.4	27.0	19.1	15.0	10.4	12000 (826)	6000 (413)
3/4	3/8	-PRB-NT12-RT6	27.4	27.0	19.1	15.0	12.7	8200 (564)	4300 (296)
3/4	1/2	-PRB-NT12-RT8	41.4	27.0	19.1	19.8	15.7	4900 (337)	2400 (165)
1	1/8	-PRB-NT16-RT2	34.5	34.9	23.9	10.4	7.1	4600 (317)	2700 (186)
1	1/4	-PRB-NT16-RT4	34.8	34.9	23.9	15.0	10.4	14500 (999)	7400 (509)
1	3/8	-PRB-NT16-RT6	34.8	34.9	23.9	15.0	12.7	11600 (799)	5900 (406)
1	1/2	-PRB-NT16-RT8	34.8	34.9	23.9	19.8	15.7	8600 (592)	4300 (296)
1	3/4	-PRB-NT16-RT12	47.0	34.9	23.9	20.6	22.4	5300 (365)	2600 (179)
1 1/4	3/4	-PRB-NT20-RT12	37.3	44.5	23.9	20.6	22.4	3500 (241)	2000 (137)
1 1/4	1	-PRB-NT20-RT16	37.3	44.5	23.9	25.4	22.4	3500 (241)	2000 (137)
1 1/2	1	-PRB-NT24-RT16	40.1	50.8	26.2	25.4	22.4	2900 (199)	1800 (124)
1 1/2	1 1/4	-PRB-NT24-RT20	40.1	50.8	26.2	25.4	27.7	2700 (186)	1700 (117)

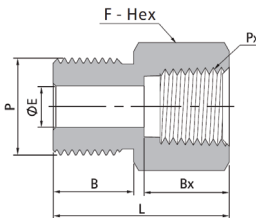
Reducing Bushing



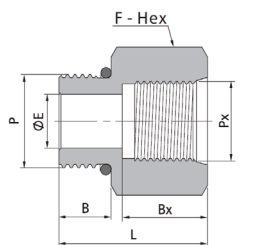
Male to Female ISO Tapered Pipe Threads										
P-RT Size (in.)	Px-RT Size (in.)	Basic Ordering Number	Basic Ordering Number					Working Pressure		Inter-changes with
			L	F	B	Bx	E	SS, Steel	Brass	
1/4	1/8	-PRB-RT4-RT2	26.9	14.3	14.2	10.4	7.7	6500(447)	3200(220)	-4-RBT-2RT
3/8	1/4	-PRB-RT6-RT4	30.2	19.1	14.2	15.0	9.7	6600(454)	3300(227)	-6-RBT-4RT
1/2	1/4	-PRB-RT8-RT4	27.4	22.2	19.1	15.0	11.4	8300(571)	4400(303)	-8-RBT-4RT
1/2	3/8	-PRB-RT8-RT6	35.8	22.2	19.1	15.0	11.9	5300(365)	2600(179)	-8-RBT-6RT



Male NPT to Female ISO Parallel Pipe Threads										
P-NPT Size (in.)	Px-RG Size (in.)	Basic Ordering Number	Basic Ordering Number					Working Pressure		Inter-changes with
			L	F	B	Bx	E	SS, Steel	Brass	
3/8	1/4	-PRB-NT6-RG4	30.2	19.1	14.2	12.9	5.6	5700(392)		
1/2	3/8	-PRB-NT8-RG6	35.8	22.2	19.1	14.2	6.6	5700(392)		
3/4	1/2	-PRB-NT12-RG8	41.4	27.0	19.1	18.8	7.1	3900(268)		

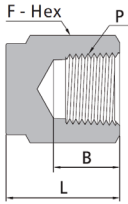


Male ISO Parallel Pipe to Female NPT Threads										
P-BP Size (in.)	Px-NPT Size (in.)	Basic Ordering Number	Basic Ordering Number					Working Pressure		Inter-changes with
			L	F	B	Bx	E	SS, Steel	Brass	
1/4	1/8	-PRB-BP4-NT2	26.9	14.3	12.9	10.4	4.5	6500(447)	3200(220)	
3/8	1/4	-PRB-BP6-NT4	31.0	19.1	14.2	15	7.1	6600(454)	3300(227)	
1/2	3/8	-PRB-BP8-NT6	35.8	22.2	18.8	15	6.6	5300(365)	2600(179)	



Male to Female SAE/MS Straight Threads										
P- SAE/MS Thread Size	Px- SAE/MS Thread Size	Basic Ordering Number	Basic Ordering Number					Working Pressure		Inter-changes with
			L	F	B	Bx	E	SS, Steel	Brass	
9/16-18	7/16-20	-PRB-ST9-US7	28.4	23.8	9.9	14.0	7.1	4500(310)		-6-RBST-4
3/4-16	7/16-20	-PRB-ST12-US7	24.9	22.2	11.2	14.0	9.9	4500(310)		-8-RBST-4
3/4-16	9/16-18	-PRB-ST12-US9	30.2	25.4	11.2	16.0	10.7	4500(310)		-8-RBST-6
7/8-14	9/16-18	-PRB-ST14-US9	27.9	25.4	12.7	16.0	12.7	3600(248)		-10-RBST-6
7/8-14	3/4-16	-PRB-ST14-US12	36.1	30.2	12.7	18.0	12.7	3600(248)		-10-RBST-8
11/16-12	3/4-16	-PRB-ST17-US12	32.3	31.8	15.0	18	16.5	3600(248)		-12-RBST-8
15/16-12	11/16-12	-PRB-ST21-US17	40.9	41.3	15.0	24.0	22.1	2900(199)		-16-RBST-12
15/8-12	15/16-12	-PRB-ST26-US21	50.3	31.8	15.0	24.0	27.7	2300(158)		-20-RBST-16
17/8-12	15/16-12	-PRB-ST30-US21	32.2	54.0	15.0	24.0	31.2	2300(158)		-24-RBST-16

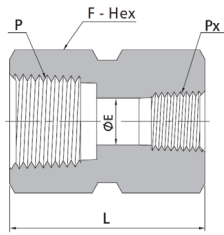
Pipe Cap



Female NPT Threads							
P-NPT Size (in.)	Basic Ordering Number	Basic Dimensions (in.)			Working Pressure psig (bar)		Inter-changes with
		L	F	B	SS, Steel	Brass	
1/16	-PC-NT1	12.7	11.1	9.9	7500 (516)	4500 (310)	
1/8	-PC-NT2	19.1	14.3	10.4	6400 (441)	4000 (275)	-2-CP
1/4	-PC-NT4	23.1	19.1	15.0	6600 (454)	4300 (169)	-4-CP
3/8	-PC-NT6	26.2	22.2	15.0	5300 (365)	3500 (241)	-6-CP
1/2	-PC-NT8	34.0	27.0	19.8	5200 (358)	3600 (248)	-8-CP
3/4	-PC-NT12	36.6	33.3	20.6	4300 (296)	3000 (206)	-12-CP
1	-PC-NT16	41.1	41.3	25.4	4500 (310)	3100 (213)	-16-CP
Heavy-Wall Female NPT Threads							
1/4	-PC-NT4-10K	28.2	25.4	15.0	10000 (689)		-4-CP-10K
1/2	-PC-NT8-10K	40.1	38.1	19.8	10000 (689)		-8-CP-10K

Female ISO Tapered Pipe Threads							
P-RT Size (in.)	Basic Ordering Number	Basic Dimensions (in.)			Working Pressure psig (bar)		Inter-changes with
		L	F	B	SS, Steel	Brass	
1/16	-PC-RT1	12.7	11.1	9.9	7500 (516)	4500 (310)	
1/8	-PC-RT2	19.1	14.3	10.4	6400 (441)	4000 (275)	
1/4	-PC-RT4	23.1	19.1	15.0	6600 (454)	4300 (169)	
3/8	-PC-RT6	26.2	22.2	15.0	5300 (365)	3500 (241)	
1/2	-PC-RT8	34.0	27.0	19.8	5200 (358)	3600 (248)	
3/4	-PC-RT12	36.6	33.3	20.6	4300 (296)	3000 (206)	
1	-PC-RT16	41.1	41.3	25.4	4500 (310)	3100 (213)	

Hex Coupling



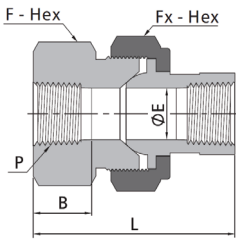
Female NPT Threads

P- NPT Size (in.)	Px- NPT Size (in.)	Basic Ordering Number	Basic Dimensions			Working Pressure psig (bar)		Inter- changes with
			L	F	E	SS, Steel	Brass	
1/16	1/16	-PCG-NT1	19.8	12.7	4.8	7500 (516)	4500 (310)	
1/8	1/8	-PCG-NT2	20.6	14.3	7.1	6500 (447)	3200 (220)	-2-HCG
1/4	1/8	-PCG-NT4-NT2	31.0	19.1	7.1	6600 (454)	3300 (227)	-4-HRCG-2
1/4	1/4	-PCG-NT4	30.2	19.1	10.4	6600 (454)	3300 (227)	-4-HCG
3/8	1/4	-PCG-NT6-NT4	35.1	22.2	10.4	5300 (365)	2600 (179)	-6-HRCG-4
3/8	3/8	-PCG-NT6	33.3	22.2	12.7	5300 (365)	2600 (179)	-6-HCG
1/2	1/8	-PCG-NT8-NT2	39.6	27.0	8.6	4900 (337)	2400 (165)	-8-HRCG-2
1/2	1/4	-PCG-NT8-NT4	44.4	27.0	10.4	4900 (337)	2400 (165)	-8-HRCG-4
1/2	3/8	-PCG-NT8-NT6	45.2	27.0	12.7	4900 (337)	2400 (165)	-8-HRCG-6
1/2	1/2	-PCG-NT8	39.6	27.0	15.7	4900 (337)	2400 (165)	-8-HCG
3/4	1/4	-PCG-NT12-NT4	46.0	33.3	10.4	4600 (316)	2300 (158)	-12-HRCG-4
3/4	1/2	-PCG-NT12-NT8	52.3	33.3	15.7	4600 (316)	2300 (158)	-12-HRCG-8
3/4	3/4	-PCG-NT12	41.1	33.3	22.4	4600 (316)	2300 (158)	-12-HCG
1	1/2	-PCG-NT16-NT8	55.6	41.3	15.7	4400 (303)	2200 (151)	-16-HRCG-8
1	3/4	-PCG-NT16-NT12	57.2	41.3	22.4	4400 (303)	2200 (151)	-16-HRCG-12
1	1	-PCG-NT16	50.8	41.3	22.4	4400 (303)	2200 (151)	-16-HCG
Heavy-Wall Female NPT Threads								
1/4	1/4	-PCG-NT4-10K	30.2	25.4	11.4	10000 (689)		-4-HCG-10K
1/2	1/2	-PCG-NT8-10K	39.6	38.1	18.5	10000 (689)		-8-HCG-10K
1/2	1/4	-PCG-NT8-NT4-10K	44.4	38.1	11.4	10000 (689)		-8-HRCG-4-10K

Female ISO Tapered Pipe Threads

P-RT Size (in.)	Px- RT Size (in.)	Basic Ordering Number	Basic Dimensions			Working Pressure psig (bar)		Inter- changes with
			L	F	E	SS, Steel	Brass	
1/8	1/8	-PCG-RT2	20.6	14.3	7.1	6500 (447)	3200 (220)	-2-HCG-RT
1/4	1/4	-PCG-RT4	30.2	19.1	10.4	6600 (454)	3300 (227)	-4-HCG-RT
3/8	1/4	-PCG-RT6-RT4	35.1	22.2	10.4	5300 (365)	2600 (179)	-6-HRCGT-4RT
3/8	3/8	-PCG-RT6	33.3	22.2	12.7	5300 (365)	2600 (179)	-6-HCG-RT
1/2	1/4	-PCG-RT8-RT4	44.4	27.0	10.4	4900 (337)	2400 (165)	-8-HRCGT-4RT
1/2	3/8	-PCG-RT8-RT6	45.2	27.0	12.7	4900 (337)	2400 (165)	-8-HRCGT-6RT
1/2	1/2	-PCG-RT8	39.6	27.0	15.7	4900 (337)	2400 (165)	-8-HCG-RT

Union Ball Joints



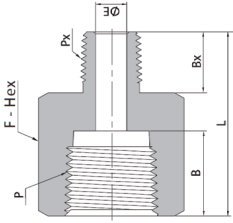
Female NPT Threads

P-NPT Size (in.)	Ordering Number	L	F	Fx	B	E	Working Pressure		Inter-changes with
							psig	(bar)	
1/8	-UBJ-NT2	46.0	23.8	28.6	10.4	6.8	8400	(578)	-2-UBJ
1/4	-UBJ-NT4	59.4	30.2	34.9	15.0	9.1	6600	(454)	-4-UBJ
3/8	-UBJ-NT6	63.5	33.3	38.1	15.0	13.2	5300	(365)	-6-UBJ
1/2	-UBJ-NT8	68.3	41.3	44.5	19.8	15.7	6000	(413)	-8-UBJ
3/4	-UBJ-NT12	79.2	47.6	54.0	20.6	22.4	4600	(316)	-12-UBJ
1	-UBJ-NT16	90.4	60.3	63.5	25.4	26.2	6800	(468)	-16-UBJ

Female ISO Tapered Pipe Threads

P-RT Size (in.)	Ordering Number	L	F	Fx	B	E	Working Pressure	
							psig	(bar)
1/8	-UBJ-RT2	46.0	23.8	28.6	10.4	6.8	8400	(578)
1/4	-UBJ-RT4	59.4	30.2	34.9	15.0	9.1	6600	(454)
3/8	-UBJ-RT6	63.5	33.3	38.1	15.0	13.2	5300	(365)
1/2	-UBJ-RT8	68.3	41.3	44.5	19.8	15.7	6000	(413)
3/4	-UBJ-RT12	79.2	47.6	54.0	20.6	22.4	4600	(316)
1	-UBJ-RT16	90.4	60.3	63.5	25.4	26.2	6800	(468)

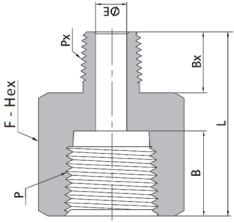
Adapter



Female to male NPT Threads

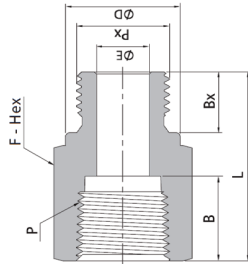
P-NPT Size (in.)	Px-NPT Size (in.)	Basic Ordering Number	L	F	B	Bx	E	Working Pressure			Inter-changes with
								SS, Steel	Brass	psig (bar)	
1/8	1/16	-PA-NT2-NT1	27.7	14.3	10.4	9.7	3.0	6500 (447)	3200 (220)		-2-RA-1
1/8	1/8	-PA-NT2	27.9	14.3	10.4	9.7	4.8	6500 (447)	3200 (220)		-2-A
1/4	1/16	-PA-NT4-NT1	30.5	19.1	15.0	9.7	3.0	6600 (454)	4300 (296)		
1/4	1/8	-PA-NT4-NT2	32.0	19.1	15.0	9.7	4.8	6600 (454)	3300 (227)		-4-RA-2
1/4	1/4	-PA-NT4	35.6	19.1	15.0	14.2	7.1	6600 (454)	3300 (227)		-4-A
3/8	1/16	-PA-NT6-NT1	31.8	22.2	15.0	9.7	3.0	5300 (365)	3500 (241)		
3/8	1/8	-PA-NT6-NT2	33.8	22.2	15.0	9.7	4.8	5300 (365)	2600 (179)		-6-RA-2
3/8	1/4	-PA-NT6-NT4	38.1	22.2	15.0	14.2	7.1	5300 (365)	3500 (241)		-6-RA-4
3/8	3/8	-PA-NT6	38.4	22.2	15.0	14.2	9.7	5300 (365)	3500 (241)		-6-A
1/2	1/8	-PA-NT8-NT2	40.1	27.0	19.8	9.7	4.8	4900 (337)	2400 (165)		-8-RA-2
1/2	1/4	-PA-NT8-NT4	44.4	27.0	19.8	14.2	7.1	4900 (337)	2400 (165)		-8-RA-4
1/2	3/8	-PA-NT8-NT6	44.7	27.0	19.8	14.2	9.7	4900 (337)	2400 (165)		-8-RB-6
1/2	1/2	-PA-NT8	49.3	27.0	19.8	19.1	11.9	4900 (337)	2400 (165)		-8-A
3/4	1/8	-PA-NT12-NT2	39.6	33.3	20.6	9.7	4.8	4300 (296)	3000 (206)		
3/4	1/4	-PA-NT12-NT4	47.0	33.3	20.6	14.2	7.1	4600 (316)	2300 (158)		-12-RA-4
3/4	3/8	-PA-NT12-NT6	46.2	33.3	20.6	14.2	9.7	4600 (316)	2300 (158)		-12-RA-6
3/4	1/2	-PA-NT12-NT8	51.3	33.3	20.6	19.1	11.9	4600 (316)	2300 (158)		-12-RA-8
3/4	3/4	-PA-NT12	51.3	33.3	20.6	19.1	15.7	4600 (316)	2300 (158)		-12-A
1	1/8	-PA-NT16-NT2	46.0	41.3	25.4	9.7	4.8	4500 (310)	3100 (213)		
1	1/4	-PA-NT16-NT4	49.8	41.3	25.4	14.2	7.1	4400 (303)	2200 (151)		-16-RA-4
1	3/8	-PA-NT16-NT6	50.8	41.3	25.4	14.2	9.7	4500 (310)	3100 (213)		
1	1/2	-PA-NT16-NT8	54.9	41.3	25.4	19.1	11.9	4400 (303)	2200 (151)		-16-RA-8
1	3/4	-PA-NT16-NT12	55.1	41.3	25.4	19.1	15.7	4400 (303)	2200 (151)		-16-RA-12
1	1	-PA-NT16	57.9	41.3	25.4	23.9	22.4	4400 (303)	2200 (151)		-16-A
1 1/4	1	-PA-NT20-NT16	62.7	50.8	25.4	23.9	22.4	3500 (137)	2300 (158)		
Heavy-Wall Female to male NPT Threads											
1/4	1/4	-PA-NT4-10K	35.6	19.1	15.0	14.2	7.1	10000 (689)			-4-A-10K
1/2	1/2	-PA-NT8-10K	49.3	27.0	19.8	19.1	11.9	10000 (689)			-8-A-10K
1/2	1/4	-PA-NT8-NT4-10K	44.4	27.0	19.8	14.2	7.1	10000 (689)			-8-RA-4-10K

Adapter



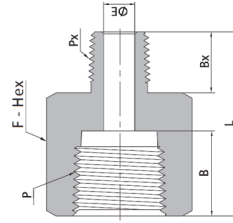
Female NPT to Male ISO Tapered Pipe Threads

P-NPT Size (in.)	Px-RT Size (in.)	Basic Ordering Number	L	F	B	Bx	E	SS, Steel	Working Pressure psig (bar)	Inter-changes with
1/8	1/8	-PA-NT2-RT2	27.7	14.3	10.4	9.7	4.8	6500 (447)	3200 (220)	-2-A-2RT
1/4	1/4	-PA-NT4-RT4	36.1	19.1	15.0	14.2	7.1	6600 (454)	3300 (227)	-4-A-4RT
3/8	3/8	-PA-NT6-RT6	38.1	22.2	15.0	14.2	9.7	5300 (365)	2600 (179)	-6-A-6RT
1/2	1/2	-PA-NT8-RT8	49.3	27.0	19.8	19.1	11.9	4900 (337)	2400 (165)	-8-A-8RT
3/4	3/4	-PA-NT12-RT12	51.3	33.3	20.6	19.1	15.7	4600 (316)	2300 (158)	-12-A-12RT
1	1	-PA-NT16-RT16	58.4	41.3	25.4	23.9	22.4	4400 (303)	2200 (151)	-16-A-16RT



Female NPT to Male ISO Parallel Pipe Threads

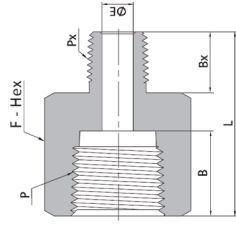
P-NPT Size (in.)	Px-RS Size (in.)	Basic Ordering Number	L	F	B	Bx	D	E	SS, Steel	Working Pressure psig (bar)	Inter-changes with
1/8	1/8	-PA-NT2-RS2	25.1	14.3	9.9	7.1	13.7	4.1	6500 (447)	3200 (220)	-2-A-2RS
1/4	1/4	-PA-NT4-RS4	33.5	19.1	10.4	11.2	18.0	5.8	6600 (454)	3300 (227)	-4-A-4RS
3/8	3/8	-PA-NT6-RS6	35.8	22.2	15.0	11.2	21.6	7.9	5300 (365)	2600 (179)	-6-A-6RS
1/2	1/2	-PA-NT8-RS8	44.2	27.0	15.0	14.2	25.9	11.9	4900 (337)	2400 (165)	-8-A-8RS
3/4	3/4	-PA-NT12-RS12	48.0	33.3	20.6	15.7	32.0	15.7	4600 (316)	2300 (158)	-12-A-12RS
1	1	-PA-NT16-RS16	53.3	41.3	25.4	18.3	38.9	19.8	4400 (303)	2200 (151)	-16-A-16RS



Female to male ISO Tapered Pipe Threads

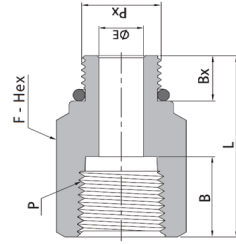
P-RT Size (in.)	Px-RT Size (in.)	Basic Ordering Number	L	F	B	Bx	E	SS, Steel	Working Pressure psig (bar)	Inter-changes with
1/8	1/8	-PART2	27.7	14.3	10.4	9.7	4.8	6500 (447)	3200 (220)	-2-A-RT
1/4	1/8	-PART4-RT2	32.0	19.1	15.0	9.7	4.8	6600 (454)	3300 (227)	-4-A-RT
1/4	1/4	-PART4	36.1	19.1	15.0	14.2	7.1	6600 (454)	3300 (227)	-4-A-RT
3/8	1/4	-PART6-RT4	38.1	22.2	15.0	14.2	7.1	5300 (365)	2600 (179)	-6-A-RT
3/8	3/8	-PART6	38.1	22.2	15.0	14.2	9.7	5300 (365)	2600 (179)	-6-A-RT
1/2	1/4	-PART8-RT4	44.7	27.0	19.8	14.2	7.1	4900 (337)	2400 (165)	-8-A-RT
1/2	3/8	-PART8-RT6	44.4	27.0	19.8	14.2	9.7	4900 (337)	2400 (165)	-8-A-RT
1/2	1/2	-PART8	49.5	27.0	19.8	19.1	11.9	4900 (337)	2400 (165)	-8-A-RT
3/4	3/4	-PART12	51.3	33.3	20.6	19.1	15.7	4600 (316)	2300 (158)	-12-A-RT
1	1	-PART16	58.4	41.3	25.4	23.9	22.4	4400 (303)	2200 (151)	-16-A-RT

Adapter



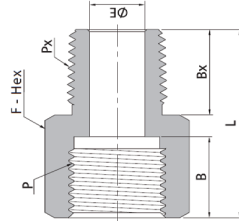
Female ISO Tapered to Male NPT Threads

P-RT Size (in.)	Px-NPT Size (in.)	Basic Ordering Number	L	F	B	Bx	E	Working Pressure (psig)	Material	Inter-changes with
1/8	1/8	-PA-RT2-NT2	27.7	14.3	10.4	9.7	4.8	6500 (447)	3200 (220)	
1/4	1/4	-PA-RT4-NT4	36.1	19.1	15.0	14.2	7.1	6600 (454)	3300 (227)	-4-AT-4
3/8	3/8	-PA-RT6-NT6	38.1	22.2	15.0	14.2	9.7	5300 (365)	2600 (179)	-6-AT-6
1/2	1/2	-PA-RT8-NT8	49.3	27.0	19.8	19.1	11.9	4900 (337)	2400 (165)	-8-AT-8
3/4	3/4	-PA-RT12-NT12	51.3	33.3	20.6	19.1	15.7	4600 (316)	2300 (158)	
1	1	-PA-RT16-NT16	58.4	41.3	25.4	23.9	22.4	4400 (303)	2200 (151)	



Female NPT to Male SAE/MS Straight Threads

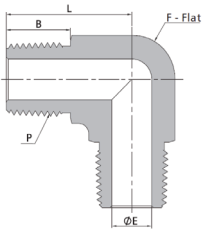
P-NPT Size (in.)	Px-SAE/MS Thread Size (in.)	Basic Ordering Number	L	F	B	Bx	E	Working Pressure (psig)	Material	Inter-changes with
1/4	7/16-20	-PA-NT4-ST7	33.5	19.1	15.0	9.1	5.1	4500 (310)	SS, Steel	-4-SAE-1-4
3/8	9/16-18	-PA-NT6-ST9	35.3	23.8	15.0	9.9	7.1	4500 (310)	SS, Steel	-6-SAE-1-6
1/2	3/4-16	-PA-NT8-ST12	44.7	27.0	19.8	11.2	10.7	4500 (310)	SS, Steel	-8-SAE-1-8
3/4	1 1/16-12	-PA-NT12-ST17	50.5	34.9	20.6	15.0	16.8	3600 (248)	SS, Steel	-12-SAE-1-12
1	1 5/16-12	-PA-NT16-ST21	53.8	41.3	25.4	15.0	22.4	2900 (199)	SS, Steel	-16-SAE-1-16



Female ISO Parallel to Male NPT Threads

P-RG Size (in.)	Px-NPT Size (in.)	Basic Ordering Number	L	F	B	Bx	E	Working Pressure (psig)	Material	Inter-changes with
1/8	1/8	-PA-RG2-NT2	21.8	14.3	6.5	9.7	4.8	6100 (420)	SS, Steel	
1/4	1/4	-PA-RG4-NT4	30.2	19.1	12.9	14.2	5.6	5700 (392)	SS, Steel	-4-AG-4
3/8	3/8	-PA-RG6-NT6	32.2	23.8	14.2	14.2	6.6	5700 (392)	SS, Steel	-6-AG-6
1/2	1/2	-PA-RG8-NT8	42.7	27.0	18.8	19.1	7.1	3900 (268)	SS, Steel	-8-AG-8

Male Elbow



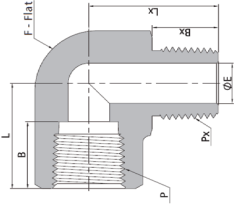
Male NPT Threads

P-NPT Size (in.)	Basic Ordering Number	L	F	B	E	Working Pressure psig (bar)		Inter- changes with
						SS, Steel	Brass	
1/16	-PME-NT1	16.8	9.5	9.7	3.0	9500 (654)	5500 (378)	
1/8	-PME-NT2	22.4	11.1	9.7	4.8	10000 (689)	5000 (344)	-2-ME
1/4	-PME-NT4	26.7	12.7	14.2	7.1	8000 (551)	4000 (275)	-4-ME
3/8	-PME-NT6	29.7	17.5	14.2	9.7	7800 (537)	3900 (268)	-6-ME
1/2	-PME-NT8	36.8	20.6	19.1	11.9	7700 (530)	3800 (261)	-8-ME
3/4	-PME-NT12	40.4	27.0	19.1	15.7	6400 (440)	3400 (234)	
1	-PME-NT16	50.0	34.9	23.9	22.4	5500 (378)	2900 (199)	

Male ISO Tapered Pipe Threads

P-RT Size (in.)	Basic Ordering Number	L	F	B	E	Working Pressure psig (bar)	
						SS, Steel	Brass
1/16	-PME-RT1	16.8	9.5	9.7	3.0	9500 (654)	5500 (378)
1/8	-PME-RT2	22.4	11.1	9.7	4.8	10000 (689)	5000 (344)
1/4	-PME-RT4	26.7	12.7	14.2	7.1	8000 (551)	4000 (275)
3/8	-PME-RT6	29.7	17.5	14.2	9.7	7800 (537)	3900 (268)
1/2	-PME-RT8	36.8	20.6	19.1	11.9	7700 (530)	3800 (261)
3/4	-PME-RT12	40.4	27.0	19.1	15.7	6400 (440)	3400 (234)
1	-PME-RT16	50.0	34.9	23.9	22.4	5500 (378)	2900 (199)

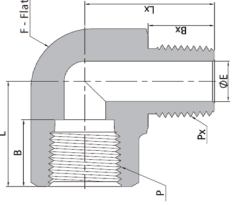
Street Elbow



Female to male NPT Threads

P- NPT Size (in.)	Px- NPT Size (in.)	Basic Ordering Number	Working Pressure						Inter- changes with		
			L	F	B	E	Lx	Bx		SS, Steel	Brass
1/16	1/16	-PSE-NT1	21.8	11.1	9.9	3.0	22.4	9.7	9200 (633)	4600 (316)	-1-SE
1/16	1/8	-PSE-NT1-NT2	16.8	14.3	9.9	4.8	19.8	9.7	7000 (482)	3800 (261)	
1/16	1/4	-PSE-NT1-NT4	16.8	14.3	9.9	4.8	27.7	14.2	7000 (482)	3800 (261)	
1/16	3/8	-PSE-NT1-NT6	22.4	17.5	9.9	4.8	27.7	14.2	7000 (482)	3800 (261)	
1/8	1/16	-PSE-NT2-NT1	26.4	12.7	10.4	3.0	22.1	9.7	6200 (426)	3100 (213)	-2-RSE-1
1/8	1/8	-PSE-NT2	26.4	12.7	10.4	4.8	22.1	9.7	6200 (426)	3100 (213)	-2-SE
1/8	1/4	-PSE-NT2-NT4	16.8	14.3	10.4	7.1	27.7	14.2	5500 (378)	2900 (199)	
1/8	3/8	-PSE-NT2-NT6	22.4	17.5	10.4	7.1	31.0	14.2	5500 (378)	2900 (199)	
1/8	1/2	-PSE-NT2-NT8	24.1	22.2	10.4	7.1	37.3	19.1	5000 (344)	2900 (199)	
1/8	3/4	-PSE-NT2-NT12	25.4	27.0	10.4	7.1	40.4	19.1	5500 (378)	2900 (199)	
1/8	1	-PSE-NT2-NT16	26.4	34.9	10.4	7.1	49.3	23.9	5500 (378)	2700 (185)	
1/4	1/8	-PSE-NT4-NT2	29.7	17.5	15.0	4.8	25.4	9.7	7200 (496)	3600 (248)	-4-RSE-2
1/4	1/4	-PSE-NT4	29.7	17.5	15.0	7.1	29.7	14.2	7200 (496)	3600 (248)	-4-SE
1/4	3/8	-PSE-NT4-NT6	22.4	17.5	15.0	8.6	31.0	14.2	5500 (378)	3000 (206)	
1/4	1/2	-PSE-NT4-NT8	24.1	22.2	15.0	8.6	37.3	19.1	5600 (385)	3000 (206)	
1/4	3/4	-PSE-NT4-NT12	25.4	27.0	15.0	8.6	40.4	19.1	5600 (385)	3000 (206)	
1/4	1	-PSE-NT4-NT16	41.4	34.9	15.0	8.6	50.0	23.9	5600 (385)	2700 (185)	
3/8	1/4	-PSE-NT6-NT4	36.1	20.6	15.0	7.1	32.0	14.2	5600 (385)	2800 (192)	-6-RSE-4
3/8	3/8	-PSE-NT6	36.1	20.6	15.0	9.7	32.0	14.2	5600 (385)	2800 (192)	-6-SE
3/8	1/2	-PSE-NT6-NT8	31.2	22.2	15.0	11.9	37.3	19.1	5000 (344)	2700 (185)	
3/8	3/4	-PSE-NT6-NT12	31.2	27.0	15.0	11.9	40.4	19.1	5000 (344)	2700 (185)	
3/8	1	-PSE-NT6-NT16	38.1	34.9	15.0	11.9	50.0	23.9	5000 (344)	2700 (185)	
1/2	1/4	-PSE-NT8-NT4	39.6	25.4	19.8	7.1	35.1	14.2	5600 (385)	2800 (192)	-8-RSE-4
1/2	3/8	-PSE-NT8-NT6	39.6	25.4	19.8	9.7	35.1	14.2	5600 (385)	2800 (192)	-8-RSE-6
1/2	1/2	-PSE-NT8	39.6	25.4	19.8	11.9	39.6	19.1	5600 (385)	2800 (192)	-8-SE
1/2	3/4	-PSE-NT8-NT12	31.2	27.0	19.8	15.7	40.4	19.1	4500 (310)	2500 (172)	
1/2	1	-PSE-NT8-NT16	41.4	34.9	19.8	15.7	50.0	23.9	4500 (310)	2500 (172)	
3/4	3/4	-PSE-NT12	48.8	31.8	20.6	15.7	42.4	19.1	5100 (351)	2500 (172)	-12-SE
3/4	1	-PSE-NT12-NT16	34.5	34.9	25.4	22.4	50.0	23.9	3500 (248)	2000 (138)	
1	1	-PSE-NT16	48.5	42.9	25.4	22.4	49.3	23.9	5300 (365)	2600 (179)	-16-SE
1 1/4	1 1/4	-PSE-NT20	43.2	50.8	25.4	31.8	60.5	23.9	3100 (213)	1900 (130)	

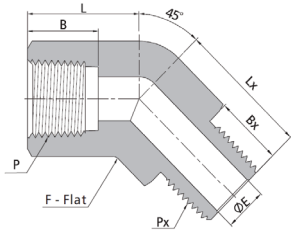
Street Elbow



Female to male ISO Tapered Pipe Threads

P-RT Size (In.)	Px-RT Size (In.)	Basic Ordering Number	L	F	B	E	Lx	Bx	Working Pressure		
									SS, Steel	Steel	Brass
1/16	1/16	-PSE-RT1	21.8	11.1	9.9	3.0	22.4	9.7	9200 (633)	4600 (316)	
1/16	1/8	-PSE-RT1-RT2	16.8	14.3	9.9	4.8	19.8	9.7	7000 (482)	3800 (261)	
1/16	1/4	-PSE-RT1-RT4	16.8	14.3	9.9	4.8	27.7	14.2	7000 (482)	3800 (261)	
1/16	3/8	-PSE-RT1-RT6	22.4	17.5	9.9	4.8	27.7	14.2	7000 (482)	3800 (261)	
1/8	1/16	-PSE-RT2-RT1	26.4	12.7	10.4	3.0	22.1	9.7	6200 (426)	3100 (213)	
1/8	1/8	-PSE-RT2	26.4	12.7	10.4	4.8	22.1	9.7	6200 (426)	3100 (213)	
1/8	1/4	-PSE-RT2-RT4	16.8	14.3	10.4	7.1	27.7	14.2	5500 (378)	2900 (199)	
1/8	3/8	-PSE-RT2-RT6	22.4	17.5	10.4	7.1	31.0	14.2	5500 (378)	2900 (199)	
1/8	1/2	-PSE-RT2-RT8	24.1	22.2	10.4	7.1	37.3	19.1	5000 (344)	2900 (199)	
1/8	3/4	-PSE-RT2-RT12	25.4	27.0	10.4	7.1	40.4	19.1	5500 (378)	2900 (199)	
1/8	1	-PSE-RT2-RT16	26.4	34.9	10.4	7.1	49.3	23.9	5500 (378)	2700 (185)	
1/4	1/8	-PSE-RT4-RT2	29.7	17.5	15.0	4.8	25.4	9.7	7200 (496)	3600 (248)	
1/4	1/4	-PSE-RT4	29.7	17.5	15.0	7.1	29.7	14.2	7200 (496)	3600 (248)	
1/4	3/8	-PSE-RT4-RT6	22.4	17.5	15.0	8.6	31.0	14.2	5500 (378)	3000 (206)	
1/4	1/2	-PSE-RT4-RT8	24.1	22.2	15.0	8.6	37.3	19.1	5600 (385)	3000 (206)	
1/4	3/4	-PSE-RT4-RT12	25.4	27.0	15.0	8.6	40.4	19.1	5600 (385)	3000 (206)	
1/4	1	-PSE-RT4-RT16	41.4	34.9	15.0	8.6	50.0	23.9	5600 (385)	2700 (185)	
3/8	1/4	-PSE-RT6-RT4	36.1	20.6	15.0	7.1	32.0	14.2	5600 (385)	2800 (192)	
3/8	3/8	-PSE-RT6	36.1	20.6	15.0	9.7	32.0	14.2	5600 (385)	2800 (192)	
3/8	1/2	-PSE-RT6-RT8	31.2	22.2	15.0	11.9	37.3	19.1	5000 (344)	2700 (185)	
3/8	3/4	-PSE-RT6-RT12	31.2	27.0	15.0	11.9	40.4	19.1	5000 (344)	2700 (185)	
3/8	1	-PSE-RT6-RT16	38.1	34.9	15.0	11.9	50.0	23.9	5000 (344)	2700 (185)	
1/2	1/4	-PSE-RT8-RT4	39.6	25.4	19.8	7.1	35.1	14.2	5600 (385)	2800 (192)	
1/2	3/8	-PSE-RT8-RT6	39.6	25.4	19.8	9.7	35.1	14.2	5600 (385)	2800 (192)	
1/2	1/2	-PSE-RT8	39.6	25.4	19.8	11.9	39.6	19.1	5600 (385)	2800 (192)	
1/2	3/4	-PSE-RT8-RT12	31.2	27.0	19.8	15.7	40.4	19.1	4500 (310)	2500 (172)	
1/2	1	-PSE-RT8-RT16	41.4	34.9	19.8	15.7	50.0	23.9	4500 (310)	2500 (172)	
3/4	3/4	-PSE-RT12	48.8	31.8	20.6	15.7	42.4	19.1	5100 (351)	2500 (172)	
3/4	1	-PSE-RT12-RT16	34.5	34.9	25.4	22.4	50.0	23.9	3500 (248)	2000 (138)	
1	1	-PSE-RT16	48.5	42.9	25.4	22.4	49.3	23.9	5300 (365)	2600 (179)	
1 1/4	1 1/4	-PSE-RT20	43.2	50.8	25.4	31.8	60.5	23.9	3100 (213)	1900 (130)	

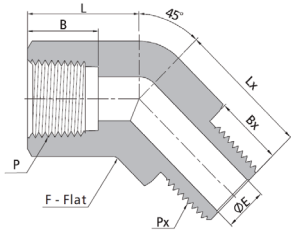
45° Street Elbow



Female to male NPT Threads

P-NPT Size (in.)	Px-NPT Size (in.)	Basic Ordering Number	Basic Dimensions (in.)						Working Pressure (psig (bar))	
			L	F	B	E	Lx	Bx	SS, Steel	Brass
1/16	1/16	-PSV-NT1	21.8	11.1	9.9	3.0	22.4	9.7	9200 (633)	4600 (316)
1/16	1/8	-PSV-NT1-NT2	16.8	14.3	9.9	4.8	19.8	9.7	7000 (482)	3800 (261)
1/16	1/4	-PSV-NT1-NT4	16.8	14.3	9.9	4.8	27.7	14.2	7000 (482)	3800 (261)
1/16	3/8	-PSV-NT1-NT6	22.4	17.5	9.9	4.8	27.7	14.2	7000 (482)	3800 (261)
1/8	1/16	-PSV-NT2-NT1	26.4	12.7	10.4	3.0	22.1	9.7	6200 (426)	3100 (213)
1/8	1/8	-PSV-NT2	26.4	12.7	10.4	4.8	22.1	9.7	6200 (426)	3100 (213)
1/8	1/4	-PSV-NT2-NT4	16.8	14.3	10.4	7.1	27.7	14.2	5500 (378)	2900 (199)
1/8	3/8	-PSV-NT2-NT6	22.4	17.5	10.4	7.1	31.0	14.2	5500 (378)	2900 (199)
1/8	1/2	-PSV-NT2-NT8	24.1	22.2	10.4	7.1	37.3	19.1	5000 (344)	2900 (199)
1/8	3/4	-PSV-NT2-NT12	25.4	27.0	10.4	7.1	40.4	19.1	5500 (378)	2900 (199)
1/8	1	-PSV-NT2-NT16	26.4	34.9	10.4	7.1	49.3	23.9	5500 (378)	2700 (185)
1/4	1/8	-PSV-NT4-NT2	29.7	17.5	15.0	4.8	25.4	9.7	7200 (496)	3600 (248)
1/4	1/4	-PSV-NT4	29.7	17.5	15.0	7.1	29.7	14.2	7200 (496)	3600 (248)
1/4	3/8	-PSV-NT4-NT6	22.4	17.5	15.0	8.6	31.0	14.2	5500 (378)	3000 (206)
1/4	1/2	-PSV-NT4-NT8	24.1	22.2	15.0	8.6	37.3	19.1	5600 (385)	3000 (206)
1/4	3/4	-PSV-NT4-NT12	25.4	27.0	15.0	8.6	40.4	19.1	5600 (385)	3000 (206)
1/4	1	-PSV-NT4-NT16	41.4	34.9	15.0	8.6	50.0	23.9	5600 (385)	2700 (185)
3/8	1/4	-PSV-NT6-NT4	36.1	20.6	15.0	7.1	32.0	14.2	5600 (385)	2800 (192)
3/8	3/8	-PSV-NT6	36.1	20.6	15.0	9.7	32.0	14.2	5600 (385)	2800 (192)
3/8	1/2	-PSV-NT6-NT8	31.2	22.2	15.0	11.9	37.3	19.1	5000 (344)	2700 (185)
3/8	3/4	-PSV-NT6-NT12	31.2	27.0	15.0	11.9	40.4	19.1	5000 (344)	2700 (185)
3/8	1	-PSV-NT6-NT16	38.1	34.9	15.0	11.9	50.0	23.9	5000 (344)	2700 (185)
1/2	1/4	-PSV-NT8-NT4	39.6	25.4	19.8	7.1	35.1	14.2	5600 (385)	2800 (192)
1/2	3/8	-PSV-NT8-NT6	39.6	25.4	19.8	9.7	35.1	14.2	5600 (385)	2800 (192)
1/2	1/2	-PSV-NT8	39.6	25.4	19.8	11.9	39.6	19.1	5600 (385)	2800 (192)
1/2	3/4	-PSV-NT8-NT12	31.2	27.0	19.8	15.7	40.4	19.1	4500 (310)	2500 (172)
1/2	1	-PSV-NT8-NT16	41.4	34.9	19.8	15.7	50.0	23.9	4500 (310)	2500 (172)
3/4	3/4	-PSV-NT12	48.8	31.8	20.6	15.7	42.4	19.1	5100 (351)	2500 (172)
3/4	1	-PSV-NT12-NT16	34.5	34.9	25.4	22.4	50.0	23.9	3500 (248)	2000 (138)
1	1	-PSV-NT16	48.5	42.9	25.4	22.4	49.3	23.9	5300 (365)	2600 (179)
1 1/4	1 1/4	-PSV-NT20	43.2	50.8	25.4	31.8	60.5	23.9	3100 (213)	1900 (130)

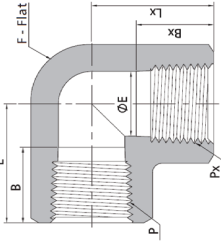
45° Street Elbow



Female to male ISO Tapered Pipe Threads

P-RT Size (in.)	Px-RT Size (in.)	Basic Ordering Number	Basic Ordering Number						Working Pressure	
			L	F	B	E	Lx	Bx	SS, Steel	Brass
1/16	1/16	-PSV-RT1	21.8	11.1	9.9	3.0	22.4	9.7	9200 (633)	4600 (316)
1/16	1/8	-PSV-RT1-RT2	16.8	14.3	9.9	4.8	19.8	9.7	7000 (482)	3800 (261)
1/16	1/4	-PSV-RT1-RT4	16.8	14.3	9.9	4.8	27.7	14.2	7000 (482)	3800 (261)
1/16	3/8	-PSV-RT1-RT6	22.4	17.5	9.9	4.8	27.7	14.2	7000 (482)	3800 (261)
1/8	1/16	-PSV-RT2-RT1	26.4	12.7	10.4	3.0	22.1	9.7	6200 (426)	3100 (213)
1/8	1/8	-PSV-RT2	26.4	12.7	10.4	4.8	22.1	9.7	6200 (426)	3100 (213)
1/8	1/4	-PSV-RT2-RT4	16.8	14.3	10.4	7.1	27.7	14.2	5500 (378)	2900 (199)
1/8	3/8	-PSV-RT2-RT6	22.4	17.5	10.4	7.1	31.0	14.2	5500 (378)	2900 (199)
1/8	1/2	-PSV-RT2-RT8	24.1	22.2	10.4	7.1	37.3	19.1	5000 (344)	2900 (199)
1/8	3/4	-PSV-RT2-RT12	25.4	27.0	10.4	7.1	40.4	19.1	5500 (378)	2900 (199)
1/8	1	-PSV-RT2-RT16	26.4	34.9	10.4	7.1	49.3	23.9	5500 (378)	2700 (185)
1/4	1/8	-PSV-RT4-RT2	29.7	17.5	15.0	4.8	25.4	9.7	7200 (496)	3600 (248)
1/4	1/4	-PSV-RT4	29.7	17.5	15.0	7.1	29.7	14.2	7200 (496)	3600 (248)
1/4	3/8	-PSV-RT4-RT6	22.4	17.5	15.0	8.6	31.0	14.2	5500 (378)	3000 (206)
1/4	1/2	-PSV-RT4-RT8	24.1	22.2	15.0	8.6	37.3	19.1	5600 (385)	3000 (206)
1/4	3/4	-PSV-RT4-RT12	25.4	27.0	15.0	8.6	40.4	19.1	5600 (385)	3000 (206)
1/4	1	-PSV-RT4-RT16	41.4	34.9	15.0	8.6	50.0	23.9	5600 (385)	2700 (185)
3/8	1/4	-PSV-RT6-RT4	36.1	20.6	15.0	7.1	32.0	14.2	5600 (385)	2800 (192)
3/8	3/8	-PSV-RT6	36.1	20.6	15.0	9.7	32.0	14.2	5600 (385)	2800 (192)
3/8	1/2	-PSV-RT6-RT8	31.2	22.2	15.0	11.9	37.3	19.1	5000 (344)	2700 (185)
3/8	3/4	-PSV-RT6-RT12	31.2	27.0	15.0	11.9	40.4	19.1	5000 (344)	2700 (185)
3/8	1	-PSV-RT6-RT16	38.1	34.9	15.0	11.9	50.0	23.9	5000 (344)	2700 (185)
1/2	1/4	-PSV-RT8-RT4	39.6	25.4	19.8	7.1	35.1	14.2	5600 (385)	2800 (192)
1/2	3/8	-PSV-RT8-RT6	39.6	25.4	19.8	9.7	35.1	14.2	5600 (385)	2800 (192)
1/2	1/2	-PSV-RT8	39.6	25.4	19.8	11.9	39.6	19.1	5600 (385)	2800 (192)
1/2	3/4	-PSV-RT8-RT12	31.2	27.0	19.8	15.7	40.4	19.1	4500 (310)	2500 (172)
1/2	1	-PSV-RT8-RT16	41.4	34.9	19.8	15.7	50.0	23.9	4500 (310)	2500 (172)
3/4	3/4	-PSV-RT12	48.8	31.8	20.6	15.7	42.4	19.1	5100 (351)	2500 (172)
3/4	1	-PSV-RT12-RT16	34.5	34.9	25.4	22.4	50.0	23.9	3500 (248)	2000 (138)
1	1	-PSV-RT16	48.5	42.9	25.4	22.4	49.3	23.9	5300 (365)	2600 (179)
1 1/4	1 1/4	-PSV-RT20	43.2	50.8	25.4	31.8	60.5	23.9	3100 (213)	1900 (130)

Female Elbow



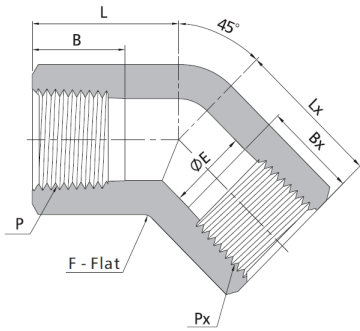
Female NPT Threads

P- NPT Size (in.)	Px- NPT Size (in.)	Basic Ordering Number	L	F	B	E	Lx	Bx	SS, Steel	Working Pressure psig (bar)	Inter- changes with
1/16	1/16	-PE-NT1	12.7	11.1	9.9	4.8	12.7	9.9	7000 (482)	3800 (261)	
1/8	1/16	-PE-NT2-NT1	16.8	12.7	10.4	4.8	16.8	9.9	5500 (378)	2900 (199)	
1/8	1/8	-PE-NT2	26.4	12.7	10.4	7.1	26.4	10.4	6200 (427)	3100 (213)	-2-E
1/4	1/8	-PE-NT4-NT2	22.4	17.5	15.0	7.1	22.4	10.4	5500 (378)	2900 (199)	
1/4	1/4	-PE-NT4	29.7	17.5	15.0	10.4	29.7	15.0	7200 (496)	3600 (248)	-4-E
3/8	3/8	-PE-NT6	36.1	20.6	15.0	12.7	36.1	15.0	5600 (385)	2800 (192)	-6-E
1/2	1/2	-PE-NT8	39.6	25.4	19.8	15.7	39.6	19.8	5600 (385)	2800 (192)	-8-E
3/4	3/4	-PE-NT12	48.8	31.8	20.6	22.4	48.8	20.6	5100 (351)	2500 (172)	-12-E
1	1	-PE-NT16	48.5	42.9	25.4	22.4	48.5	25.4	6400 (440)	3200 (220)	-16-E
1 1/4	1 1/4	-PE-NT20	43.2	54.0	25.4	27.7	43.2	25.4	5100 (351)	2500 (172)	
1 1/2	1 1/2	-PE-NT24	52.8	60.3	27.7	34.0	52.8	27.7	6400 (440)	3200 (220)	
Heavy-Wall Female NPT Threads											
1/4	1/4	-PE-NT4-10K	39.6	25.4	15.0	11.4	29.7	15.0	10000 (689)		-4-E-10K
1/2	1/2	-PE-NT8-10K	50.0	27.0	19.8	18.5	39.6	19.8	10000 (689)		-8-E-10K

Female ISO Tapered Pipe Threads

P-RT Size (in.)	Px-RT Size (in.)	Basic Ordering Number	L	F	B	E	Lx	Bx	SS, Steel	Working Pressure psig (bar)
1/16	1/16	-PE-RT1	12.7	11.1	9.9	4.8	12.7	9.9	7000 (482)	3800 (261)
1/8	1/16	-PE-RT2-RT1	16.8	12.7	10.4	4.8	16.8	9.9	5500 (378)	2900 (199)
1/8	1/8	-PE-RT2	26.4	12.7	10.4	7.1	26.4	10.4	6200 (427)	3100 (213)
1/4	1/8	-PE-RT4-RT2	22.4	17.5	15.0	7.1	22.4	10.4	5500 (378)	2900 (199)
1/4	1/4	-PE-RT4	29.7	17.5	15.0	10.4	29.7	15.0	7200 (496)	3600 (248)
3/8	3/8	-PE-RT6	36.1	20.6	15.0	12.7	36.1	15.0	5600 (385)	2800 (192)
1/2	1/2	-PE-RT8	39.6	25.4	19.8	15.7	39.6	19.8	5600 (385)	2800 (192)
3/4	3/4	-PE-RT12	48.8	31.8	20.6	22.4	48.8	20.6	5100 (351)	2500 (172)
1	1	-PE-RT16	48.5	42.9	25.4	22.4	48.5	25.4	6400 (440)	3200 (220)
1 1/4	1 1/4	-PE-RT20	43.2	54.0	25.4	27.7	43.2	25.4	5100 (351)	2500 (172)
1 1/2	1 1/2	-PE-RT24	52.8	60.3	27.7	34.0	52.8	27.7	6400 (440)	3200 (220)

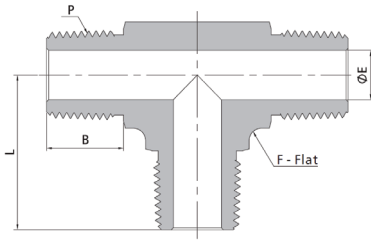
45° Female Elbow



Female NPT Threads										
P-NPT Size (in.)	Px-NPT Size (in.)	Basic Ordering Number							Working Pressure psig (bar)	
			L	F	B	E	Lx	Bx	SS, Steel	Brass
1/16	1/16	-PVE-NT1	12.7	11.1	9.9	4.8	12.7	9.9	7000 (482)	3800 (261)
1/8	1/16	-PVE-NT2-NT1	16.8	12.7	10.4	4.8	16.8	9.9	5500 (378)	2900 (199)
1/8	1/8	-PVE-NT2	26.4	12.7	10.4	7.1	26.4	10.4	6200 (427)	3100 (213)
1/4	1/8	-PVE-NT4-NT2	22.4	17.5	15.0	7.1	22.4	10.4	5500 (378)	2900 (199)
1/4	1/4	-PVE-NT4	29.7	17.5	15.0	10.4	29.7	15.0	7200 (496)	3600 (248)
3/8	3/8	-PVE-NT6	36.1	20.6	15.0	12.7	36.1	15.0	5600 (385)	2800 (192)
1/2	1/2	-PVE-NT8	39.6	25.4	19.8	15.7	39.6	19.8	5600 (385)	2800 (192)
3/4	3/4	-PVE-NT12	48.8	31.8	20.6	22.4	48.8	20.6	5100 (351)	2500 (172)
1	1	-PVE-NT16	48.5	42.9	25.4	22.4	48.5	25.4	6400 (440)	3200 (220)
1 1/4	1 1/4	-PVE-NT20	43.2	54.0	25.4	27.7	43.2	25.4	5100 (351)	2500 (172)
1 1/2	1 1/2	-PVE-NT24	52.8	60.3	27.7	34.0	52.8	27.7	6400 (440)	3200 (220)

Female ISO Tapered Pipe Threads										
P-RT Size (in.)	Px-RT Size (in.)	Basic Ordering Number							Working Pressure psig (bar)	
			L	F	B	E	Lx	Bx	SS, Steel	Brass
1/16	1/16	-PVE-RT1	12.7	11.1	9.9	4.8	12.7	9.9	7000 (482)	3800 (261)
1/8	1/16	-PVE-RT2-RT1	16.8	12.7	10.4	4.8	16.8	9.9	5500 (378)	2900 (199)
1/8	1/8	-PVE-RT2	26.4	12.7	10.4	7.1	26.4	10.4	6200 (427)	3100 (213)
1/4	1/8	-PVE-RT4-RT2	22.4	17.5	15.0	7.1	22.4	10.4	5500 (378)	2900 (199)
1/4	1/4	-PVE-RT4	29.7	17.5	15.0	10.4	29.7	15.0	7200 (496)	3600 (248)
3/8	3/8	-PVE-RT6	36.1	20.6	15.0	12.7	36.1	15.0	5600 (385)	2800 (192)
1/2	1/2	-PVE-RT8	39.6	25.4	19.8	15.7	39.6	19.8	5600 (385)	2800 (192)
3/4	3/4	-PVE-RT12	48.8	31.8	20.6	22.4	48.8	20.6	5100 (351)	2500 (172)
1	1	-PVE-RT16	48.5	42.9	25.4	22.4	48.5	25.4	6400 (440)	3200 (220)
1 1/4	1 1/4	-PVE-RT20	43.2	54.0	25.4	27.7	43.2	25.4	5100 (351)	2500 (172)
1 1/2	1 1/2	-PVE-RT24	52.8	60.3	27.7	34.0	52.8	27.7	6400 (440)	3200 (220)

Male Tee



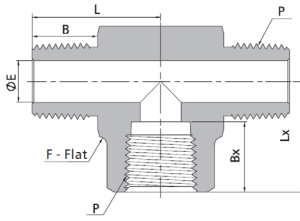
Male NPT Threads

P-NPT Size (in.)	Basic Ordering Number	Basic Dimensions (in.)				Working Pressure (psig (bar))		Interchanges with
		L	F	B	E	SS, Steel	Brass	
1/16	-PMT-NT1	18.3	9.5	9.7	3.0	9500 (654)	5500 (378)	
1/8	-PMT-NT2	22.4	11.1	9.7	4.8	10000 (689)	5000 (344)	-2-MT
1/4	-PMT-NT4	26.7	12.7	14.2	7.1	8000 (551)	4000 (275)	-4-MT
3/8	-PMT-NT6	29.7	17.5	14.2	9.7	7800 (537)	3900 (268)	-6-MT
1/2	-PMT-NT8	36.8	20.6	19.1	11.9	7700 (530)	3800 (261)	-8-MT
3/4	-PMT-NT12	42.4	27.0	19.1	15.7	6400 (440)	3400 (234)	
1	-PMT-NT16	49.3	34.9	23.9	22.4	4600 (316)	2700 (185)	
1 1/4	-PMT-NT20	56.4	42.9	23.9	27.7	3500 (240)	2000 (137)	
1 1/2	-PMT-NT24	67.1	47.6	26.2	34.0	2900 (199)	1800 (123)	

Male ISO Tapered Pipe Threads

P-RT Size (in.)	Basic Ordering Number	Basic Dimensions (in.)				Working Pressure (psig (bar))	
		L	F	B	E	SS, Steel	Brass
1/16	-PMT-RT1	18.3	9.5	9.7	3.0	9500 (654)	5500 (378)
1/8	-PMT-RT2	22.4	11.1	9.7	4.8	10000 (689)	5000 (344)
1/4	-PMT-RT4	26.7	12.7	14.2	7.1	8000 (551)	4000 (275)
3/8	-PMT-RT6	29.7	17.5	14.2	9.7	7800 (537)	3900 (268)
1/2	-PMT-RT8	36.8	20.6	19.1	11.9	7700 (530)	3800 (261)
3/4	-PMT-RT12	42.4	27.0	19.1	15.7	6400 (440)	3400 (234)
1	-PMT-RT16	49.3	34.9	23.9	22.4	4600 (316)	2700 (185)
1 1/4	-PMT-RT20	56.4	42.9	23.9	27.7	3500 (240)	2000 (137)
1 1/2	-PMT-RT24	67.1	47.6	26.2	34.0	2900 (199)	1800 (123)

Female Branch Tee



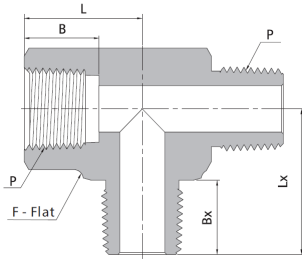
Male and Female NPT Threads

P-NPT Size (in.)	Basic Ordering Number								Working Pressure	
		L	F	E	B	Lx	Bx	SS, Steel	Brass	
1/16	-PTB-NT1	18.3	11.1	3.0	9.7	12.7	9.9	7000 (482)	3800 (261)	
1/8	-PTB-NT2	22.1	12.7	4.8	9.7	26.4	10.4	6200 (427)	3100 (213)	
1/4	-PTB-NT4	29.7	17.5	7.1	14.2	29.7	15.0	7200 (496)	3600 (248)	
3/8	-PTB-NT6	32.0	20.6	9.7	14.2	36.1	15.0	5600 (385)	2800 (192)	
1/2	-PTB-NT8	39.6	25.4	11.9	19.1	39.6	19.8	5600 (385)	2800 (192)	
3/4	-PTB-NT12	42.4	31.8	15.7	19.1	48.8	20.6	3500 (241)	2000 (137)	
1	-PTB-NT16	49.3	42.9	22.4	23.9	48.5	25.4	3900 (268)	2300 (158)	

Male and Female ISO Tapered Pipe Threads

P-RT Size (in.)	Basic Ordering Number								Working Pressure	
		L	F	E	B	Lx	Bx	SS, Steel	Brass	
1/16	-PTB-RT1	18.3	11.1	3.0	9.7	12.7	9.9	7000 (482)	3800 (261)	
1/8	-PTB-RT2	22.1	12.7	4.8	9.7	26.4	10.4	6200 (427)	3100 (213)	
1/4	-PTB-RT4	29.7	17.5	7.1	14.2	29.7	15.0	7200 (496)	3600 (248)	
3/8	-PTB-RT6	32.0	20.6	9.7	14.2	36.1	15.0	5600 (385)	2800 (192)	
1/2	-PTB-RT8	39.6	25.4	11.9	19.1	39.6	19.8	5600 (385)	2800 (192)	
3/4	-PTB-RT12	42.4	31.8	15.7	19.1	48.8	20.6	3500 (241)	2000 (137)	
1	-PTB-RT16	49.3	42.9	22.4	23.9	48.5	25.4	3900 (268)	2300 (158)	

Female Run Tee



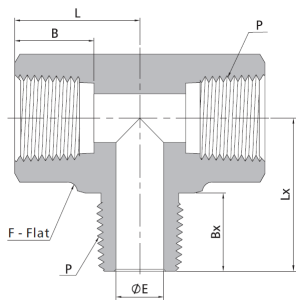
Male and Female NPT Threads

P-NPT Size (in.)	Basic Ordering Number	L	F	E	B	Lx	Bx	Working Pressure	
								SS, Steel	Brass
1/16	-PTR-NT1	18.3	11.1	3.0	9.7	12.7	9.9	7000 (482)	3800 (261)
1/8	-PTR-NT2	22.1	12.7	4.8	9.7	26.4	10.4	6200 (427)	3100 (213)
1/4	-PTR-NT4	29.7	17.5	7.1	14.2	29.7	15.0	7200 (496)	3600 (248)
3/8	-PTR-NT6	32.0	20.6	9.7	14.2	36.1	15.0	5600 (385)	2800 (192)
1/2	-PTR-NT8	39.6	25.4	11.9	19.1	39.6	19.8	5600 (385)	2800 (192)
3/4	-PTR-NT12	42.4	31.8	15.7	19.1	48.8	20.6	3500 (241)	2000 (137)
1	-PTR-NT16	49.3	42.9	22.4	23.9	48.5	25.4	3900 (268)	2300 (158)

Male and Female ISO Tapered Pipe Threads

P-RT Size (in.)	Basic Ordering Number	L	F	E	B	Lx	Bx	Working Pressure	
								SS, Steel	Brass
1/16	-PTR-RT1	18.3	11.1	3.0	9.7	12.7	9.9	7000 (482)	3800 (261)
1/8	-PTR-RT2	22.1	12.7	4.8	9.7	26.4	10.4	6200 (427)	3100 (213)
1/4	-PTR-RT4	29.7	17.5	7.1	14.2	29.7	15.0	7200 (496)	3600 (248)
3/8	-PTR-RT6	32.0	20.6	9.7	14.2	36.1	15.0	5600 (385)	2800 (192)
1/2	-PTR-RT8	39.6	25.4	11.9	19.1	39.6	19.8	5600 (385)	2800 (192)
3/4	-PTR-RT12	42.4	31.8	15.7	19.1	48.8	20.6	3500 (241)	2000 (137)
1	-PTR-RT16	49.3	42.9	22.4	23.9	48.5	25.4	3900 (268)	2300 (158)

Male Branch Tee



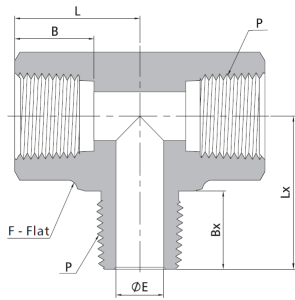
Male and Female NPT Threads

P-NPT Size (in.)	Basic Ordering Number	L	F	E	B	Lx	Bx	Working Pressure psig (bar)		Interchanges with
								SS, Steel	Brass	
1/16	-PBT-NT1	12.7	11.1	3.0	9.9	18.3	9.7	7000 (482)	3800 (261)	
1/8	-PBT-NT2	26.4	12.7	4.8	10.4	22.1	9.7	6200 (427)	3100 (213)	-2-BT
1/4	-PBT-NT4	29.7	17.5	7.1	15.0	29.7	14.2	7200 (496)	3600 (248)	-4-BT
3/8	-PBT-NT6	36.1	20.6	9.7	15.0	32.0	14.2	5600 (385)	2800 (192)	-6-BT
1/2	-PBT-NT8	39.6	25.4	11.9	19.8	39.6	19.1	5600 (385)	2800 (192)	-8-BT
3/4	-PBT-NT12	48.8	31.8	15.7	20.6	42.4	19.1	3500 (241)	2000 (137)	-12-BT
1	-PBT-NT16	48.5	42.9	22.4	25.4	49.3	23.9	3900 (268)	2300 (158)	

Male and Female ISO Tapered Pipe Threads

P-RT Size (in.)	Basic Ordering Number	L	F	E	B	Lx	Bx	Working Pressure psig (bar)	
								SS, Steel	Brass
1/16	-PBT-RT1	12.7	11.1	3.0	9.9	18.3	9.7	7000 (482)	3800 (261)
1/8	-PBT-RT2	26.4	12.7	4.8	10.4	22.1	9.7	6200 (427)	3100 (213)
1/4	-PBT-RT4	29.7	17.5	7.1	15.0	29.7	14.2	7200 (496)	3600 (248)
3/8	-PBT-RT6	36.1	20.6	9.7	15.0	32.0	14.2	5600 (385)	2800 (192)
1/2	-PBT-RT8	39.6	27.0	11.9	19.8	39.6	19.1	5600 (385)	2800 (192)
3/4	-PBT-RT12	48.8	31.8	15.7	20.6	42.4	19.1	3500 (241)	2000 (137)
1	-PBT-RT16	48.5	42.9	22.4	25.4	49.3	23.9	3900 (268)	2300 (158)

Male Branch Tee



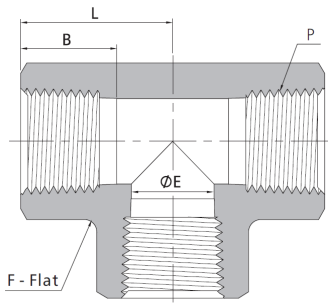
Male and Female NPT Threads

P-NPT Size (in.)	Basic Ordering Number	L	F	E	B	Lx	Bx	Working Pressure psig (bar)		Inter- changes with
								SS, Steel	Brass	
1/16	-PBT-NT1	12.7	11.1	3.0	9.9	18.3	9.7	7000 (482)	3800 (261)	
1/8	-PBT-NT2	26.4	12.7	4.8	10.4	22.1	9.7	6200 (427)	3100 (213)	-2-BT
1/4	-PBT-NT4	29.7	17.5	7.1	15.0	29.7	14.2	7200 (496)	3600 (248)	-4-BT
3/8	-PBT-NT6	36.1	20.6	9.7	15.0	32.0	14.2	5600 (385)	2800 (192)	-6-BT
1/2	-PBT-NT8	39.6	25.4	11.9	19.8	39.6	19.1	5600 (385)	2800 (192)	-8-BT
3/4	-PBT-NT12	48.8	31.8	15.7	20.6	42.4	19.1	3500 (241)	2000 (137)	
1	-PBT-NT16	48.5	42.9	22.4	25.4	49.3	23.9	3900 (268)	2300 (158)	

Male and Female ISO Tapered Pipe Threads

P-RT Size (in.)	Basic Ordering Number	L	F	E	B	Lx	Bx	Working Pressure psig (bar)	
								SS, Steel	Brass
1/16	-PBT-RT1	12.7	11.1	3.0	9.9	18.3	9.7	7000 (482)	3800 (261)
1/8	-PBT-RT2	26.4	12.7	4.8	10.4	22.1	9.7	6200 (427)	3100 (213)
1/4	-PBT-RT4	29.7	17.5	7.1	15.0	29.7	14.2	7200 (496)	3600 (248)
3/8	-PBT-RT6	36.1	20.6	9.7	15.0	32.0	14.2	5600 (385)	2800 (192)
1/2	-PBT-RT8	39.6	27.0	11.9	19.8	39.6	19.1	5600 (385)	2800 (192)
3/4	-PBT-RT12	48.8	31.8	15.7	20.6	42.4	19.1	3500 (241)	2000 (137)
1	-PBT-RT16	48.5	42.9	22.4	25.4	49.3	23.9	3900 (268)	2300 (158)

Female Tee



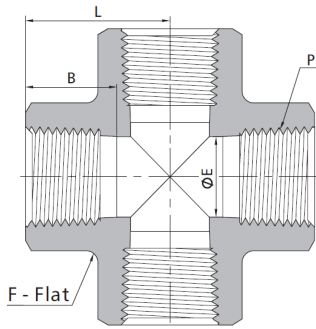
Female NPT Threads

P-NPT Size (in.)	Basic Ordering Number	L	F	E	B	Working Pressure psig (bar)		Interchanges with
						SS, Steel	Brass	
1/16	-PT-NT1	12.7	11.1	4.8	9.9	7000 (482)	3800 (261)	
1/8	-PT-NT2	26.4	12.7	8.6	10.4	6200 (427)	3100 (213)	-2-T
1/4	-PT-NT4	29.7	17.5	11.4	15.0	7200 (496)	3600 (248)	-4-T
3/8	-PT-NT6	36.1	20.6	15.0	15.0	5600 (385)	2800 (192)	-6-T
1/2	-PT-NT8	39.6	25.4	18.5	19.8	5600 (385)	2800 (192)	-8-T
3/4	-PT-NT12	48.8	31.8	23.9	20.6	5100 (351)	2500 (172)	-12-T
1	-PT-NT16	48.5	42.9	29.7	25.4	6400 (440)	3200 (220)	-16-T
1 1/4	-PT-NT20	43.2	47.6	37.2	25.4	3100 (213)	1900 (130)	
1 1/2	-PT-NT24	52.8	63.5	43.3	27.7	2500 (172)	1700 (116)	
Heavy-Wall Female NPT Threads								
1/4	-PT-NT4-10K	39.6	25.4	11.4	15.0	10000 (689)		-4-T-10K
1/2	-PT-NT8-10K	50.0	27.0	18.5	19.8	10000 (689)		-8-T-10K

Female ISO Tapered Pipe Threads

P-RT Size (in.)	Basic Ordering Number	L	F	E	B	Working Pressure psig (bar)		Interchanges With
						SS, Steel	Brass	
1/16	-PT-RT1	12.7	11.1	4.8	9.9	7000 (482)	3800 (261)	
1/8	-PT-RT2	26.4	12.7	8.6	10.4	6200 (427)	3100 (213)	
1/4	-PT-RT4	22.4	19.1	11.4	15.0	7200 (496)	3600 (248)	-4-T-RT
3/8	-PT-RT6	25.7	22.2	15.0	15.0	5600 (385)	2800 (192)	-6-T-RT
1/2	-PT-RT8	31.2	27.0	18.5	19.8	5600 (385)	2800 (192)	-8-T-RT
3/4	-PT-RT12	48.8	31.8	23.9	20.6	5100 (351)	2500 (172)	
1	-PT-RT16	48.5	42.9	29.7	25.4	6400 (440)	3200 (220)	
1 1/4	-PT-RT20	43.2	47.6	37.2	25.4	3100 (213)	1900 (130)	
1 1/2	-PT-RT24	52.8	63.5	43.3	27.7	2500 (172)	1700 (116)	

Female Cross



Female NPT Threads

P-NPT Size (in.)	Basic Ordering Number	L	F	E	B	Working Pressure psig (bar)		Interchanges with
						SS, Steel	Brass	
1/16	-PCR-NT1	12.7	11.1	4.8	9.9	7000 (482)	3800 (261)	
1/8	-PCR-NT2	26.4	12.7	8.6	10.4	6200 (427)	3100 (213)	-2-CS
1/4	-PCR-NT4	29.7	17.5	11.4	15.0	7200 (496)	3600 (248)	-4-CS
3/8	-PCR-NT6	36.1	20.6	15.0	15.0	5600 (385)	2800 (192)	-6-CS
1/2	-PCR-NT8	39.6	25.4	18.5	19.8	5600 (385)	2800 (192)	-8-CS
3/4	-PCR-NT12	48.8	31.8	23.9	20.6	5100 (351)	2500 (172)	-12-CS
1	-PCR-NT16	48.5	42.9	29.7	25.4	6400 (440)	3200 (220)	-16-CS

Female ISO Tapered Pipe Threads

P-RT Size (in.)	Basic Ordering Number	L	F	E	B	Working Pressure psig (bar)	
						SS, Steel	Brass
1/16	-PCR-RT1	12.7	11.1	4.8	9.9	7000 (482)	3800 (261)
1/8	-PCR-RT2	26.4	12.7	8.6	10.4	6200 (427)	3100 (213)
1/4	-PCR-RT4	29.7	17.5	11.4	15.0	7200 (496)	3600 (248)
3/8	-PCR-RT6	36.1	20.6	15.0	15.0	5600 (385)	2800 (192)
1/2	-PCR-RT8	39.6	25.4	18.5	19.8	5600 (385)	2800 (192)
3/4	-PCR-RT12	48.8	31.8	23.9	20.6	5100 (351)	2500 (172)
1	-PCR-RT16	48.5	42.9	29.7	25.4	6400 (440)	3200 (220)