

PRECILOK

- **Tube Fittings**
- **Pipe Fittings**
- **Needle Valves**
- **Manifolds**
- **Ball Valves**
- **Check Valves**

SNSKAR CONTROLS PRIVATE LIMITED

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ASSEMBLY INSTRUCTIONS

Tube Cutting

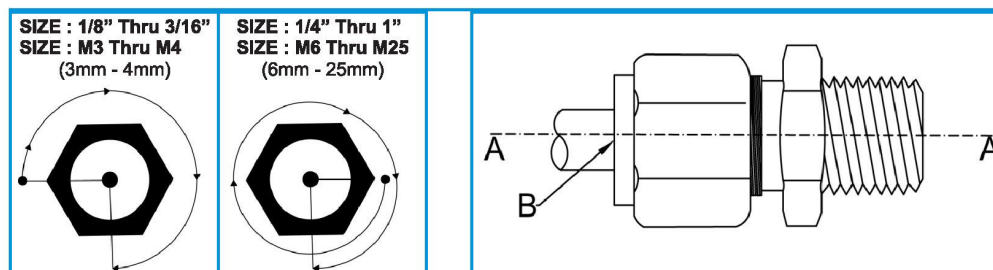
Two different methods can be used to cut tubes: 1. Tube Cutter, 2. Hacksaw.

Warning: Do not hold the tube in a vise in the place where it will be inserted into the fitting (the vise will leave a mark on the tube that may cause leaks and might cause ovality).

Tube Handling

Scratches on the tube might cause leaks. It is, therefore, important to handle the tube carefully to reduce the risk of leaks.

Using like tubing and fitting material is essential for leak-free sealing system. Unlike material may have different mechanical properties that may adversely affect the fitting seal on tubing.



1. PRECILOK tube fittings, with front and back ferrules, are sold completely assembled and ready for direct use. Disassembly before use can allow the entry of dirt or other particles.
2. Easily insert the tube into the center of the nut until it bottoms in the fitting body. If the fitting is disassembled, please note that the small tapered end of the ferrule goes into the fitting body.
3. Tighten the nut as much as you can by finger; this is called 'finger tight.' Then, tighten the nut with a wrench an additional 1-1/4 turn as indicated. Hold the fitting body with a second wrench to prevent it from turning. It is helpful to mark the nut to facilitate counting the number of turns.
4. Most important, only 1-1/4 turn are required, if over tightening, as this could lead to leakage or tube blow-out under pressure. Additional 3/4 turn for size 3mm O.D. through 4mm O.D.

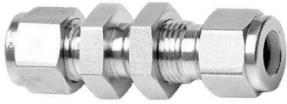
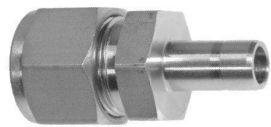
Remake Instructions :

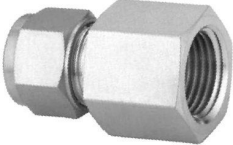
1. When repeated assemblies insert tubing to the preswaged with ferrule and nut into fitting body.
2. Finger tighten the ferrule, nut and further tighten the nut with a wrench to the original position keeping the body steady with a back-up wrench.
3. When a sharp rise in resistance will be felt at the original position. The sung-up slightly with a wrench.

Note:

- ▶ All dimensions are for reference only and are subject to change without prior notice.
- ▶ Sizes and types other than those featured above are available on request.

TUBE FITTING INDEX

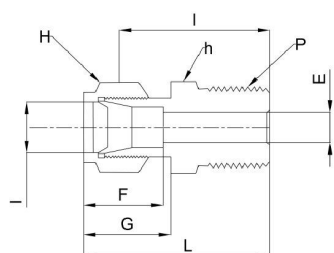
Product (Ordering Model)	Image	Page No.	Product (Ordering Model)	Image	Page No.
Male Connector (PKMC)		5	Union (PKU)		22
Male Pipe Weld Connector (PKPWC)		7	Bulkhead Union (PKBU)		23
Male Elbow (PKME)		8	Union Tee (PKUT)		24
Male Adapter (PKMA)		10	Union Cross (PKUC)		25
Bulkhead Male Connector (PKBMC)		11	Reducing Union (PKRU)		26
Bulkhead Female Connector (PKBFC)		12	Union Elbow (PKEU)		28
Male Run Tee (PKMRT)		13	Bulkhead Reducer (PKBR)		29
Male Branch Tee (PKMBT)		14	Reducer (PKR)		30

Product (Ordering Model)	Image	Page No.	Product (Ordering Model)	Image	Page No.
Female Adapter (PKFA)		15	Tube Cap (PKC)		32
Female Connector (PKFC)		16	Tube Plug (PKP)		33
Female Elbow (PKFE)		18	Nut (PKN)		33
Female Branch Tee (PKFBT)		20	Front Ferrule (PKFF)		34
Female Run Tee (PKFRT)		21	Back Ferrule (PKBF)		34

PIPE FITTING INDEX

Product (Ordering Model)	Image	Page No.	Product (Ordering Model)	Image	Page No.
Hex Nipple (PKPHN)		36	Reducing Bushing (PKPRB)		38
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Reducing Adapter (PKPRA)		37	Female Elbow (PKPFE)		39
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Coupling (PKPC)		38	Street Elbow (PKPSE)		40
Female Tee (PKPFT)		40	Male Tee (PKPMT)		40

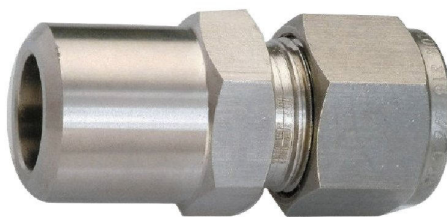
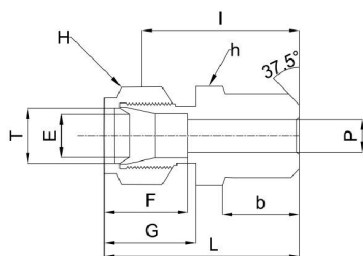
Male Connector (PKMC)



Part No.	Tube O.D. (T)		P (PT)	E Min	h		H		F	G	I	L
	in	mm			in	mm	in	mm				
2PKMC-2N	1/8	3.17	1/8	2.3	7/16	11.11	7/16	11.11	12.7	15.2	23.9	30.5
2PKMC-4N	1/8	3.17	1/4	2.3	9/16	14.28	7/16	11.11	12.7	15.2	29.0	35.6
2PKMC-6N	1/8	3.17	3/8	2.3	11/16	17.46	7/16	11.11	12.7	15.2	29.2	35.8
2PKMC-8N	1/8	3.17	1/2	2.3	7/8	22.22	7/16	11.11	12.7	15.2	35.6	42.2
3PKMC-2N	3/16	4.76	1/8	3.0	7/16	11.11	1/2	12.70	13.7	16.0	24.7	31.2
3PKMC-4N	3/16	4.76	1/4	3.0	9/16	14.28	1/2	12.70	13.7	16.0	29.7	36.3
4PKMC-2N	1/4	6.35	1/8	4.8	1/2	12.70	9/16	14.28	15.2	17.8	25.4	32.8
4PKMC-4N	1/4	6.35	1/4	4.8	9/16	14.28	9/16	14.28	15.2	17.8	30.5	37.8
4PKMC-6N	1/4	6.35	3/8	4.8	11/16	17.46	9/16	14.28	15.2	17.8	31.0	38.4
4PKMC-8N	1/4	6.35	1/2	4.8	7/8	22.22	9/16	14.28	15.2	17.8	37.4	44.7
4PKMC-12N	1/4	6.35	3/4	4.8	1-1/16	26.98	9/16	14.28	15.2	17.8	38.9	46.2
5PKMC-2N	5/16	7.93	1/8	4.8	9/16	14.28	5/8	15.87	16.3	18.5	26.7	34.0
5PKMC-4N	5/16	7.93	1/4	6.4	9/16	14.28	5/8	15.87	16.3	18.5	31.3	38.6
5PKMC-6N	5/16	7.93	3/8	6.4	11/16	17.46	5/8	15.87	16.3	18.5	31.8	39.1
6PKMC-2N	3/8	9.52	1/8	4.8	5/8	15.87	11/16	17.46	16.8	19.3	28.0	35.3
6PKMC-4N	3/8	9.52	1/4	6.5	5/8	15.87	11/16	17.46	16.8	19.3	32.5	39.9
6PKMC-6N	3/8	9.52	3/8	7.0	11/16	17.46	11/16	17.46	16.8	19.3	32.5	39.9
6PKMC-8N	3/8	9.52	1/2	7.0	7/8	22.22	11/16	17.46	16.8	19.3	38.9	46.2
6PKMC-12N	3/8	9.52	3/4	7.0	1-1/16	26.98	11/16	17.46	16.8	19.3	40.4	47.8
8PKMC-2N	1/2	12.70	1/8	4.8	13/16	20.63	7/8	22.22	22.9	21.8	28.7	38.9
8PKMC-4N	1/2	12.70	1/4	6.5	13/16	20.63	7/8	22.22	22.9	21.8	33.3	43.4
8PKMC-6N	1/2	12.70	3/8	10.0	13/16	20.63	7/8	22.22	22.9	21.8	33.3	43.4
8PKMC-8N	1/2	12.70	1/2	10.0	7/8	22.22	7/8	22.22	22.9	21.8	38.9	49.0
8PKMC-12N	1/2	12.70	3/4	10.0	1-1/16	26.98	7/8	22.22	22.9	21.8	40.4	50.5
8PKMC-16N	1/2	12.70	1	10.0	1-3/8	34.92	7/8	22.22	22.9	21.8	47.0	57.2
10PKMC-6N	5/8	15.87	3/8	10.0	15/16	23.81	1	25.40	24.4	21.8	34.0	44.2
10PKMC-8N	5/8	15.87	1/2	12.0	15/16	23.81	1	25.40	24.4	21.8	38.9	49.0
10PKMC-12N	5/8	15.87	3/4	12.0	1-1/16	26.98	1	25.40	24.4	21.8	40.4	50.5
12PKMC-8N	3/4	19.05	1/2	12.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	40.4	50.5
12PKMC-12N	3/4	19.05	3/4	16.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	40.0	50.5
12PKMC-16N	3/4	19.05	1	16.0	1-3/8	34.92	1-1/8	28.57	24.4	21.8	47.0	57.2
14PKMC-12N	7/8	22.22	3/4	16.0	1-3/16	30.16	1-1/4	31.75	25.9	21.8	40.4	50.5
14PKMC-16N	7/8	22.22	1	18.0	1-3/8	34.92	1-1/4	31.75	25.9	21.8	47.0	57.2
16PKMC-8N	1	25.40	1/2	12.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	45.2	57.4
16PKMC-12N	1	25.40	3/4	16.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	45.2	57.4
16PKMC-16N	1	25.40	1	22.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	50.0	62.2

Part No.	Tube O.D.T (MM)	P (PT)	E Min	h	H	F	G	I	L
M3PKMC-2R	3	1/8	2.3	11.1	11.1	12.9	15.3	23.1	29.7
M3PKMC-4R	3	1/4	2.3	14.3	11.1	12.9	15.3	29.0	35.6
M4PKMC-2R	4	1/8	2.3	11.1	12.7	13.7	16.1	24.6	31.2
M4PKMC-4R	4	1/4	2.3	14.3	12.7	13.7	16.1	29.7	36.3
M6PKMC-2R	6	1/8	4.8	12.7	14.3	15.3	17.7	25.4	32.8
M6PKMC-4R	6	1/4	4.8	14.3	14.3	15.3	17.7	30.2	37.6
M6PKMC-6R	6	3/8	4.8	17.5	14.3	15.3	17.7	31.0	38.4
M6PKMC-8R	6	1/2	4.8	22.2	14.3	15.3	17.7	36.6	44.0
M8PKMC-2R	8	1/8	4.8	14.3	15.9	16.2	18.6	26.7	34.2
M8PKMC-4R	8	1/4	6.4	14.3	15.9	16.2	18.6	31.2	38.7
M8PKMC-6R	8	3/8	6.4	17.5	15.9	16.2	18.6	31.8	39.2
M8PKMC-8R	8	1/2	6.4	22.2	15.9	16.2	18.6	37.3	44.8
M10PKMC-2R	10	1/8	4.8	17.5	19.1	17.2	19.5	28.7	36.3
M10PKMC-4R	10	1/4	6.4	17.5	19.1	17.2	19.5	33.3	40.9
M10PKMC-6R	10	3/8	8.0	17.5	19.1	17.2	19.5	33.3	40.9
M10PKMC-8R	10	1/2	8.0	22.2	19.1	17.2	19.5	38.1	45.7
M12PKMC-4R	12	1/4	6.4	20.6	22.2	22.8	22.0	33.3	43.4
M12PKMC-6R	12	3/8	10.0	20.6	22.2	22.8	22.0	33.3	43.4
M12PKMC-8R	12	1/2	10.0	22.2	22.2	22.8	22.0	38.1	48.2
M12PKMC-12R	12	3/4	10.0	27.0	22.2	22.8	22.0	38.9	49.0
M15PKMC-8R	15	1/2	12.0	23.8	25.4	24.4	22.0	38.9	49.0
M16PKMC-4R	16	1/4	6.4	23.8	25.4	24.4	22.0	34.0	44.1
M16PKMC-6R	16	3/8	10.0	23.8	25.4	24.4	22.0	34.0	44.1
M16PKMC-8R	16	1/2	12.0	23.8	25.4	24.4	22.0	38.9	49.0
M16PKMC-12R	16	3/4	12.0	27.0	25.4	24.4	15.3	38.9	49.0
M18PKMC-8R	18	1/2	12.0	27.0	30.2	24.4	22.0	40.4	50.5
M18PKMC-12R	18	3/4	15.0	27.0	30.2	24.4	22.0	40.4	50.5
M20PKMC-8R	20	1/2	12.0	30.2	31.8	26.0	22.0	42.2	52.3
M20PKMC-12R	20	3/4	16.0	30.2	31.8	26.0	22.0	42.2	52.3
M22PKMC-12R	22	3/4	16.0	30.2	31.8	26.0	22.0	42.2	52.3
M22PKMC-16R	22	1	18.0	34.9	31.8	26.0	22.0	47.8	57.9
M25PKMC-12R	25	3/4	16.0	34.9	38.1	31.3	26.5	45.2	57.9
M25PKMC-12R	25	1	22.0	34.9	38.1	31.3	26.5	50.0	62.3

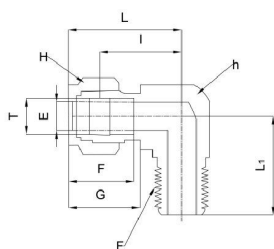
Male Pipe Weld Connector -PKPCW



Part No.	Tube O.D.(T)		Pipe Weld Size. (P)		E Min	h		H		F	G	I	I ₁	L
	in	mm	Nom	O.D.		in	mm	in	mm					
2PKPCW -2P	1/8	3.17	1/8	10.30	2.3	7/16	11.11	7/16	11.11	12.7	15.2	23.9	9.7	30.5
3PKPCW -2P	3/16	4.76	1/8	10.30	3.0	7/16	11.11	1/2	12.70	13.7	16.0	24.6	9.7	31.2
4PKPCW -2P	1/4	6.35	1/8	10.30	4.8	1/2	12.70	9/16	14.28	15.2	17.8	25.4	9.7	32.8
4PKPCW -4P	1/4	6.35	1/4	13.70	4.8	9/16	14.28	9/16	14.28	15.2	17.8	30.5	14.2	37.8
5PKPCW -2P	5/16	7.93	1/8	10.30	4.8	9/16	14.28	5/8	15.87	16.3	18.5	26.7	9.7	34.0
5PKPCW -4P	5/16	7.93	1/4	13.70	6.4	9/16	14.28	5/8	15.87	16.3	18.5	31.2	14.2	38.6
6PKPCW -4P	3/8	9.52	1/4	13.70	7.0	5/8	15.87	11/16	17.46	16.8	19.3	32.5	14.2	39.9
6PKPCW -6P	3/8	9.52	3/8	17.10	7.0	11/16	17.46	11/16	17.46	16.8	19.3	32.5	14.2	39.9
6PKPCW -8P	3/8	9.52	1/2	21.30	7.0	7/8	22.22	11/16	17.46	16.8	19.3	38.9	19.1	46.2
8PKPCW -6P	1/2	12.70	3/8	17.10	10.0	13/16	20.63	7/8	22.22	22.9	21.8	33.3	14.2	43.4
8PKPCW -8P	1/2	12.70	1/2	21.30	10.0	7/8	22.22	7/8	22.22	22.9	21.8	38.9	19.1	49.0
8PKPCW -12P	1/2	12.70	3/4	26.67	10.0	1-1/16	26.98	7/8	22.22	22.9	21.8	40.4	19.1	50.5
10PKPCW -8P	5/8	15.87	1/2	21.30	12.0	15/16	23.81	1	25.40	24.4	21.8	38.9	19.1	49.0
12PKPCW -12P	3/4	19.05	3/4	26.67	16.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	40.4	19.1	50.5
16PKPCW -16P	1	25.40	1	33.40	22.0	1-3/16	34.92	1-1/2	38.10	31.2	26.4	50.0	23.9	62.2

Part No.	Tube O.D.(T)	Pipe Weld Size (P)		E Min	h	H	A	B	I	I ₁	L
		Nom	O.D.								
M3PKPCW -2P	3	1/8	10.3	2.3	11.1	11.1	12.9	15.3	23.1	9.7	29.7
M4PKPCW -2P	4	1/8	10.3	2.3	11.1	12.7	13.7	16.1	24.1	9.7	30.7
M6PKPCW -2P	6	1/8	10.3	4.8	12.7	14.3	15.3	17.7	25.4	9.7	32.8
M6PKPCW -4P	6	1/4	13.7	4.8	14.3	14.3	15.3	17.7	30.2	14.2	37.6
M8PKPCW -2P	8	1/8	10.3	4.8	14.3	15.9	16.2	18.6	26.7	9.7	34.2
M8PKPCW -4P	8	1/4	13.7	6.4	14.3	15.9	16.2	18.6	31.2	14.2	38.7
M8PKPCW -8P	8	1/2	21.3	6.4	22.2	15.9	16.2	18.6	37.3	19.0	44.8
M10PKPCW -4P	10	1/4	13.7	7.0	17.5	19.1	17.2	19.5	33.3	14.2	40.9
M10PKPCW -6P	10	3/8	17.1	8.0	17.5	19.1	17.2	19.5	32.5	14.2	40.1
M10PKPCW -8P	10	1/2	21.3	8.0	22.2	19.1	17.2	19.5	38.1	19.0	45.7
M12PKPCW -4P	12	1/4	13.7	7.0	22.2	22.2	22.8	22.0	33.3	14.2	43.4
M12PKPCW -6P	12	3/8	17.1	10.0	20.6	22.2	22.8	22.0	33.3	14.2	43.4
M12PKPCW -8P	12	1/2	21.3	10.0	22.2	22.2	22.8	22.0	38.1	19.0	48.2
M15PKPCW -8P	15	1/2	21.3	12.0	23.8	25.4	24.4	22.0	38.9	19.0	49.0
M16PKPCW -8P	16	1/2	21.3	12.0	23.8	25.4	24.4	22.0	38.9	19.0	49.0
M18PKPCW -8P	18	1/2	21.3	12.0	27.0	30.2	24.4	22.0	40.4	19.0	50.5

Male Elbow- PKME



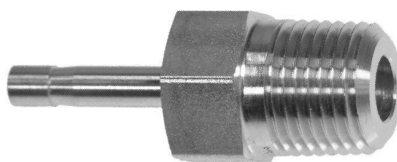
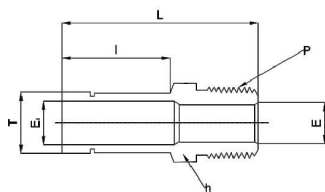
Part No.	Tube O.D.(T)		P(N PT)	E Min	h		H		F	G	I	L	L ₁
	in	mm			in	mm	in	mm					
2PKME-2N	1/8	3.17	1/8	4.8	7/16	11.11	7/16	11.11	12.7	15.2	17.0	23.6	17.8
2PKME-4N	1/8	3.17	1/4	4.8	1/2	12.70	7/16	11.11	12.7	15.2	18.0	24.6	23.4
3PKME-2N	3/16	4.76	1/8	4.8	7/16	11.11	1/2	12.70	13.7	16.0	18.8	25.4	18.8
3PKME-4N	3/16	4.76	1/4	4.8	1/2	12.70	1/2	12.70	13.7	16.0	18.8	25.4	23.4
4PKME-2N	1/4	6.35	1/8	4.8	1/2	12.70	9/16	14.28	15.2	17.8	19.6	26.9	18.8
4PKME-4N	1/4	6.35	1/4	4.8	1/2	12.70	9/16	14.28	15.2	17.8	19.6	26.9	23.4
4PKME-6N	1/4	6.35	3/8	4.8	11/16	17.46	9/16	14.28	15.2	17.8	22.4	29.7	26.2
4PKME-8N	1/4	6.35	1/2	4.8	13/16	20.63	9/16	14.28	15.2	17.8	24.4	31.8	33.0
5PKME-2N	5/16	7.93	1/8	6.4	9/16	14.28	5/8	15.87	16.3	18.5	21.3	28.7	19.8
5PKME-4N	5/16	7.93	1/4	6.4	9/16	14.28	5/8	15.87	16.3	18.5	21.3	28.7	24.4
5PKME-6N	5/16	7.93	3/8	6.4	11/16	17.46	5/8	15.87	16.3	18.5	23.1	30.5	26.2
6PKME-2N	3/8	9.52	1/8	4.8	5/8	15.87	11/16	17.46	16.8	19.3	23.1	30.5	20.8
6PKME-4N	3/8	9.52	1/4	6.5	5/8	15.87	11/16	17.46	16.8	19.3	23.1	30.5	25.4
6PKME-6N	3/8	9.52	3/8	7.0	11/16	17.46	11/16	17.46	16.8	19.3	23.9	31.2	26.2
6PKME-8N	3/8	9.52	1/2	7.0	13/16	20.63	11/16	17.46	16.8	19.3	25.9	33.5	33.0
6PKME-12N	3/8	9.52	3/4	7.0	1-1/16	26.98	11/16	17.46	16.8	19.3	29.7	37.1	36.8
8PKME-4N	1/2	12.70	1/4	6.5	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1	28.2
8PKME-6N	1/2	12.70	3/8	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1	28.2
8PKME-8N	1/2	12.70	1/2	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1	33.0
8PKME-12N	1/2	12.70	3/4	10.0	1-1/16	26.98	7/8	22.22	22.9	21.8	29.7	39.9	36.8
10PKME-6N	5/8	15.87	3/8	10.0	15/16	23.80	1	25.40	24.4	21.8	27.9	38.1	30.2
10PKME-8N	5/8	15.87	1/2	12.0	15/16	23.80	1	25.40	24.4	21.8	27.9	38.1	35.1
10PKME-12N	5/8	15.87	3/4	12.0	1-1/16	26.98	1	25.40	24.4	21.8	29.7	39.9	36.8
12PKME-8N	3/4	19.05	1/2	12.0	1-1/16	29.98	1-1/8	28.57	24.4	21.8	29.7	39.9	36.8
12PKME-12N	3/4	19.05	3/4	16.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	29.7	39.9	36.8
14PKME-12N	7/8	22.22	3/4	16.0	1-1/4	31.75	1-1/4	31.75	25.9	21.8	34.5	44.7	41.7
16PKME-12N	1	25.40	3/4	16.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	36.8	49.0	41.7
16PKME-16N	1	25.40	1	22.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	36.8	49.0	46.5

Fractional Tube to Male NPT

Metric Tube to Male ISO Tapered Thread

Part No.	O.D.T (mm)	P (PT)	E Min	h	H	F	G	I	L	L ₁
M3PKME-2R	3	1/8	2.3	11.1	11.1	12.9	15.3	17.0	23.6	17.8
M3PKME-4R	3	1/4	2.3	12.7	11.1	12.9	15.3	18.0	24.6	23.4
M4PKME-2R	4	1/8	2.3	11.1	12.7	13.7	16.1	18.8	25.4	18.8
M4PKME-4R	4	1/4	2.3	12.7	12.7	13.7	16.1	18.8	25.4	23.4
M6PKME-2R	6	1/8	4.8	12.7	14.3	15.3	17.7	19.6	27.0	18.8
M6PKME-4R	6	1/4	4.8	12.7	14.3	15.3	17.7	19.6	27.0	23.4
M6PKME-6R	6	3/8	4.8	17.5	14.3	15.3	17.7	22.4	29.8	26.2
M6PKME-8R	6	1/2	4.8	20.6	14.3	15.3	17.7	24.4	31.8	33.0
M8PKME-2R	8	1/8	4.8	14.3	15.9	16.2	18.6	21.3	28.8	19.8
M8PKME-4R	8	1/4	6.4	14.3	15.9	16.2	18.6	21.3	28.8	24.4
M8PKME-6R	8	3/8	6.4	17.5	15.9	16.2	18.6	23.9	31.4	28.5
M8PKME-8R	8	1/2	6.4	20.6	15.9	16.2	18.6	25.1	32.6	33.0
M10PKME-2R	10	1/8	4.8	17.5	19.1	17.2	19.5	23.9	31.5	23.6
M10PKME-4R	10	1/4	6.4	17.5	19.1	17.2	19.5	23.9	31.5	28.2
M10PKME-6R	10	3/8	8.0	17.5	19.1	17.2	19.5	23.9	31.5	28.2
M10PKME-8R	10	2/1	8.0	20.6	19.1	17.2	19.5	23.9	33.5	33.0
M12PKME-2R	12	1/8	4.8	20.6	22.2	22.8	22.0	25.9	36.0	23.6
M12PKME-4R	12	1/4	6.4	20.6	22.2	22.8	22.0	25.9	36.0	28.2
M12PKME-6R	12	3/8	10.0	20.6	22.2	22.8	22.0	25.9	36.0	28.2
M12PKME-8R	12	1/2	10.0	20.6	22.2	22.8	22.0	25.9	36.0	33.0
M12PKME-12R	12	3/4	10.0	27.0	22.2	22.8	22.0	29.7	39.8	36.8
M16PKME-6R	16	3/8	10.0	25.4	25.4	24.4	22.0	27.9	38.0	30.2
M16PKME-8R	16	1/2	12.0	25.4	25.4	24.4	22.0	27.9	38.0	35.1
M16PKME-12R	16	3/4	12.0	27.0	25.4	24.4	22.0	29.7	39.8	36.8
M18PKME-8R	18	1/2	12.0	27.0	30.2	24.4	22.0	29.7	39.8	35.1
M18PKME-12R	18	3/4	15.0	27.0	30.2	24.4	22.0	29.7	39.8	36.8
M20PKME-8R	20	1/2	12.0	31.8	31.8	26.0	22.0	34.5	44.6	41.7
M20PKME-12R	20	3/4	16.0	31.8	31.8	26.0	22.0	34.5	44.6	41.7
M22PKME-12R	22	3/4	16.0	31.8	31.8	26.0	22.0	34.5	44.6	41.7
M22PKME-16R	22	1	18.0	34.9	31.8	26.0	22.0	34.5	44.6	46.5
M25PKME-12R	25	3/4	16.0	34.9	38.1	31.3	26.5	36.8	49.1	41.7
M25PKME-16R	25	1	22.0	34.9	38.1	31.3	26.5	36.8	49.1	46.5

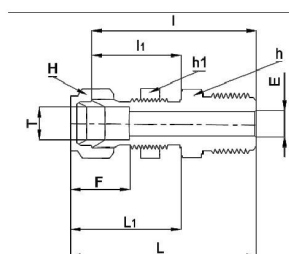
Male Adapter-PKMA



Part No.	Tube O.D. (T)		P(NPT)	E Min	E ₁	h		I	L
	in	mm				in	mm		
2PKMA-2N	1/8	3.17	1/8	4.6	1.8	7/16	11.11	13.5	28.4
3PKMA-2N	3/16	4.76	1/8	4.6	3.0	7/16	11.11	14.2	29.2
4PKMA-2N	1/4	6.35	1/8	4.6	4.6	7/16	11.11	15.7	30.7
4PKMA-4N	1/4	6.35	1/4	4.6	4.6	9/16	14.28	15.7	35.6
5PKMA-2N	5/16	7.93	1/8	4.8	6.4	7/16	11.11	16.5	31.8
5PKMA-4N	5/16	7.93	1/4	6.4	6.4	9/16	14.28	16.5	37.1
6PKMA-4N	3/8	9.52	1/4	7.0	7.0	9/16	14.28	17.3	38.1
6PKMA-6N	3/8	9.52	3/8	7.0	7.0	11/16	17.46	17.3	38.1
6PKMA-8N	3/8	9.52	1/2	7.0	7.0	7/8	22.22	17.3	43.4
8PKMA-4N	1/2	12.70	1/4	6.5	10.0	9/16	14.28	22.9	43.4
8PKMA-6N	1/2	12.70	3/8	10.0	10.0	11/16	17.46	22.9	44.5
8PKMA-8N	1/2	12.70	1/2	10.0	10.0	7/8	22.22	22.9	49.0
10PKMA-8N	5/8	15.87	1/2	12.7	12.7	7/8	22.22	24.4	50.8
12PKMA-12N	3/4	19.05	3/4	15.0	15.0	1-1/16	26.98	24.4	51.6
14PKMA-12N	7/8	22.22	3/4	18.0	18.0	1-1/16	26.98	26.2	53.1
14PKMA-16N	1	25.40	1	22.0	22.0	1-3/8	34.92	30.7	65.0

Part No.	Tube O.D. T(mm)	P (NPT)	E Min	E ₁	h	I	L
M3PKMA-2R	3	1/8	4.0	1.8	11.1	13.5	29.4
M6PKMA-2R	6	1/8	4.8	4.8	11.1	15.9	31.8
M6PKMA-4R	6	1/4	4.8	4.8	14.3	15.9	36.5
M8PKMA-4R	8	1/4	6.4	6.4	14.3	16.7	37.3
M10PKMA-4R	10	1/4	6.4	6.4	14.3	17.5	38.9
M10PKMA-6R	10	3/8	8.0	8.0	17.5	17.5	39.7
M10PKMA-8R	10	1/2	12.0	8.0	22.2	17.5	45.2
M12PKMA-4R	12	1/4	6.4	9.0	14.3	23.0	45.6
M12PKMA-6R	12	3/8	9.0	9.0	17.5	23.0	45.2
M12PKMA-8R	12	1/2	12.0	9.0	22.2	23.0	50.0
M18PKMA-8R	18	1/2	12.0	14.0	22.2	24.6	53.2
M18PKMA-12R	18	3/4	16.0	14.0	27.0	24.6	53.2

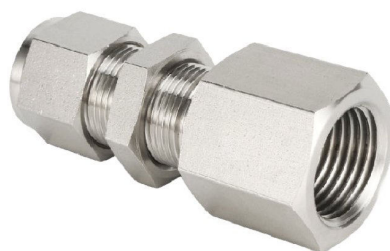
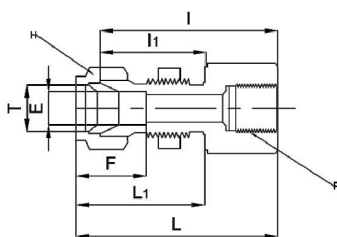
Bulkhead Male Connector-PKBMC



Part No.	Tube O.D. (T)		P (NPT)	E Min	h		h1		H		F	I	I ₁	L	L ₁	Panel Hole Drill Size	Max Panel Thickness
	in	Mm			in	mm	in	mm	in	mm							
2PKBMC -2N	1/8	3.17	1/8	2.3	1/2	12.70	1/2	12.70	7/16	11.11	12.70	39.9	24.6	46.5	31.2	8.3	12.7
4PKBMC -2N	1/4	6.35	1/8	4.8	5/8	15.87	5/8	15.87	9/16	14.28	15.24	42.2	26.2	49.5	33.5	11.5	10.2
4PKBMC -4N	1/4	6.35	1/4	4.8	5/8	15.87	5/8	15.87	9/16	14.28	15.24	46.0	26.2	53.3	33.5	11.5	10.2
6PKBMC -4N	3/8	9.52	1/4	6.5	3/4	19.05	3/4	19.05	11/16	17.46	16.76	50.0	29.5	57.4	36.8	14.7	11.2
8PKBMC -6N	1/2	12.70	3/8	10.0	15/16	23.81	15/16	23.81	7/8	22.22	22.86	53.1	31.8	63.2	41.9	19.4	12.7
8PKBMC -8N	1/2	12.70	1/2	10.0	15/16	23.81	15/16	23.81	7/8	22.22	22.86	58.7	31.8	68.8	41.9	19.4	12.7

Part No.	Tube O.D.T mm	P (NPT)	E Min	h	h 1	H	F	I	I ₁	L	L ₁	Panel Hole Drill Size	Max Panel Thickness
M3PKBMC -2R	3	1/8	2.3	12.7	12.7	11.1	12.9	39.9	24.6	46.5	31.2	8.3	12.7
M6PKBMC -2R	6	1/8	4.8	15.9	15.9	14.3	15.3	42.2	26.2	49.5	33.6	11.5	10.2
M6PKBMC -4R	6	1/4	4.8	15.9	15.9	14.3	15.3	46.0	26.2	53.3	33.6	11.5	10.2
M8PKBMC -4R	8	1/4	6.4	17.5	17.5	15.9	16.2	49.0	28.6	57.4	36.1	13.1	11.2
M12PKBMC -6R	12	3/8	10.0	23.8	23.8	22.2	22.8	53.1	31.8	63.2	41.9	19.5	12.7
M12PKBMC -8R	12	1/2	10.0	23.8	23.8	22.2	22.8	58.7	31.8	68.8	41.9	19.5	12.7

Bulkhead Female Connector-PKBFC



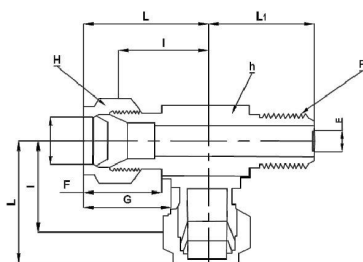
Fractional Tube to Female NPT Thread

Part No.	Tube O.D.(T)		P (NPT)	E Min	h		h 1		H		F	I	I ₁	L	L ₁	Panel Hole Drill Size	Max Panel Thickn ess
	in	mm			in	mm	in	m m	in	mm							
2PKBFC-2N	1/8	3.17	1/8	2.3	9/16	14.28	1/2	12.70	7/16	11.11	12.7	38.1	24.6	44.7	31.2	8.3	12.7
4PKBFC-2N	1/4	6.35	1/8	4.8	5/8	15.87	5/8	15.87	9/16	14.28	15.2	39.6	26.2	47.0	33.5	11.5	10.2
4PKBFC-4N	1/4	6.35	1/4	4.8	3/4	19.05	5/8	15.87	9/16	14.28	15.2	44.5	26.2	51.8	33.5	11.5	10.2
6PKBFC-4N	3/8	9.52	1/4	7.0	3/4	19.05	3/4	19.05	11/16	17.46	16.8	47.8	29.5	55.1	36.8	14.7	11.2
8PKBFC-6N	1/2	12.70	3/8	10.0	15/16	23.81	15/16	23.81	7/8	22.22	22.9	51.6	31.8	61.7	41.9	19.4	12.7
8PKBFC-8N	1/2	12.70	1/2	10.0	1-1/16	26.98	15/16	23.81	7/8	22.22	22.9	56.4	31.8	66.5	41.9	19.4	12.7

Metric Tube to Female ISO Tapered Thread

Part No.	Tube O.D.T mm	P (NPT)	E Min	h	h 1	H	F	I	I ₁	L	L ₁	Panel Hole Drill Size	Max Panel Thickness
M3PKBFC -2R	3	1/8	2.3	14.3	12.7	11.1	12.9	38.1	24.6	44.7	31.2	8.3	12.7
M6PKBFC -2R	6	1/8	4.8	15.9	15.9	14.3	15.3	39.6	26.2	47.0	33.6	11.5	10.2
M6PKBFC -4R	6	1/4	4.8	19.1	15.9	14.3	15.3	44.5	26.2	51.8	33.6	11.5	10.2
M8PKBFC -4R	8	1/4	7.0	19.1	17.5	15.9	16.2	49.0	28.4	54.2	36.1	13.1	11.2
M12PKBFC-6R	12	3/8	10.0	23.8	23.8	22.2	22.8	51.6	31.8	61.7	41.9	19.5	12.7
M12PKBFC-8R	12	1/2	10.0	27.0	23.8	22.2	22.8	56.4	31.8	66.5	41.9	19.5	12.7

Male Run Tee-PKMRT



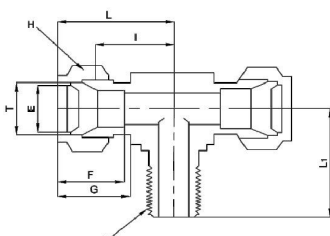
Fractional Tube to Male NPT Thread

Part No.	Tube O.D. (T)		P (NPT)	E Min	h		H		F	G	I	L	L ₁
	in	mm			in	mm	in	mm					
2PKMRT-2N	1/8	3.17	1/8	2.3	7/16	11.11	7/16	11.11	12.70	15.2	17.0	23.6	17.8
2PKMRT-2N	1/8	3.17	1/4	2.3	1/2	12.70	7/16	11.11	12.70	15.2	18.0	24.6	23.4
3PKMRT-2N	3/16	4.76	1/8	3.0	7/16	11.11	1/2	12.70	13.71	16.0	17.8	24.4	17.8
4PKMRT-2N	1/4	6.35	1/8	4.8	1/2	12.70	9/16	14.28	15.24	17.8	19.6	26.9	18.8
4PKMRT-4N	1/4	6.35	1/4	4.8	1/2	12.70	9/16	14.28	15.24	17.8	19.6	26.9	23.4
5PKMRT-2N	5/16	7.93	1/8	4.8	9/16	14.28	5/8	15.87	16.25	18.5	22.4	29.7	20.8
6PKMRT-4N	3/8	9.52	1/4	6.5	5/8	15.87	11/16	17.46	16.76	19.3	23.1	30.5	25.4
6PKMRT-6N	3/8	9.52	3/8	7.0	11/16	17.46	11/16	17.46	16.76	19.3	25.9	33.3	28.2
8PKMRT-6N	1/2	12.70	3/8	10.0	13/16	20.63	7/8	22.22	22.86	21.8	25.9	36.1	28.2
8PKMRT-8N	1/2	12.70	1/2	10.0	13/16	20.63	7/8	22.22	22.86	21.8	25.9	36.1	33.0
10PKMRT-8N	5/8	15.87	1/2	12.0	15/16	23.80	1	25.40	24.38	21.8	27.9	38.1	35.1
10PKMRT-12N	3/4	19.05	3/4	16.0	1-1/16	26.98	1-1/8	28.57	24.38	21.8	28.2	38.4	35.3

Metric Tube to Male ISO Tapered Thread

Part No.	Tube O.D.T mm	P (NPT)	E Min	h	H	F	G	I	L	L ₁
M3PKMRT-2R	3	1/8	2.3	11.1	11.1	12.9	15.3	17.0	23.6	17.8
M3PKMRT-4R	3	1/4	2.3	12.7	11.1	12.9	15.3	18.0	24.6	23.4
M4PKMRT-2R	4	1/8	2.3	11.1	12.7	13.7	16.1	18.8	25.4	18.8
M6PKMRT-2R	6	1/8	4.8	12.7	14.3	15.3	17.7	19.6	27.0	18.8
M6PKMRT-4R	6	1/4	4.8	12.7	14.3	15.3	17.7	19.6	27.0	23.4
M8PKMRT-2R	8	1/8	4.8	14.3	15.9	16.2	18.6	21.3	28.8	19.8
M8PKMRT-4R	8	1/4	6.4	14.3	15.9	16.2	18.6	21.3	28.8	24.4
M10PKMRT-4R	10	1/4	6.4	17.5	19.1	17.2	19.5	23.9	31.5	28.2
M10PKMRT-6R	10	3/8	8.0	17.5	19.1	17.2	19.5	23.9	31.5	28.2
M12PKMRT-4R	12	1/4	6.4	20.6	22.2	22.8	22.0	25.9	36.0	28.2
M10PKMRT-6R	12	3/8	10.0	20.6	22.2	22.8	22.0	25.9	36.0	28.2
M10PKMRT-8R	12	1/2	10.0	20.6	22.2	22.8	22.0	25.9	36.0	33.0
M16PKMRT-6R	16	3/8	10.0	25.4	25.4	24.4	22.0	27.9	38.0	30.2
M16PKMRT-8R	16	1/2	12.0	25.4	25.4	24.4	22.0	27.9	38.0	35.1
M20PKMRT-12R	20	3/4	16.0	31.8	31.8	26.0	22.0	34.5	44.6	41.7

Male Branch Tee-PKMBT



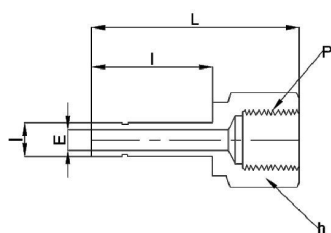
Fractional Tube to Male NPT Thread

Part No.	Tube O.D. (T)		P (NPT)	E Min	h		H		F	G	I	L	L ₁
	in	mm			in	mm	in	mm					
2PKMBT-2N	1/8	3.17	1/8	2.3	7/16	11.11	7/16	11.11	12.7	15.2	17.0	23.6	17.8
2PKMBT-2N	1/8	3.17	1/4	2.3	1/2	12.70	7/16	11.11	12.7	15.2	18.0	24.6	23.4
3PKMBT-2N	3/16	4.76	1/8	3.0	7/16	11.11	1/2	12.70	13.7	16.0	17.8	24.4	17.8
4PKMBT-2N	1/4	6.35	1/8	4.8	1/2	12.70	9/16	14.28	15.2	17.8	19.6	26.9	18.8
4PKMBT-4N	1/4	6.35	1/4	4.8	1/2	12.70	9/16	14.28	15.2	17.8	19.6	26.9	23.4
5PKMBT-2N	5/16	7.93	1/8	4.8	9/16	14.28	5/8	15.87	16.3	18.5	22.4	29.7	20.8
6PKMBT-4N	3/8	9.52	1/4	7.0	5/8	15.87	11/16	17.46	16.8	19.3	23.1	30.5	25.4
6PKMBT-6N	3/8	9.52	3/8	7.0	11/16	17.46	11/16	17.46	16.8	19.3	25.9	33.3	28.2
8PKMBT-6N	1/2	12.70	3/8	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1	28.2
8PKMBT-8N	1/2	12.70	1/2	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1	33.0
10PKMBT-8N	5/8	15.87	1/2	12.0	15/16	23.8	1	25.40	24.4	21.8	27.9	38.1	35.1
12PK MBT-12N	3/4	19.05	3/4	16.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	28.2	38.4	35.3

Metric Tube to Male ISO Tapered Thread

Part No.	Tube O.D.(T) mm	P (NPT)	E Min	h	H	F	G	I	L	L ₁
M3PKMBT-2R	3	1/8	2.3	11.1	11.1	12.9	15.3	17.0	23.6	17.8
M3PKMBT-4R	3	1/4	2.3	12.7	11.1	12.9	15.3	18.0	24.6	23.4
M4PKMBT-2R	4	1/8	2.3	11.1	12.7	13.7	16.1	18.8	25.4	18.8
M6PKMBT-2R	6	1/8	4.8	12.7	14.3	15.3	17.7	19.6	27.0	18.8
M6PKMBT-4R	6	1/4	4.8	12.7	14.3	15.3	17.7	19.6	27.0	23.4
M8PKMBT-2R	8	1/8	4.8	14.3	15.9	16.2	18.6	21.3	28.8	19.8
M8PKMBT-4R	8	1/4	6.4	14.3	15.9	16.2	18.6	21.3	28.8	24.4
M10PKMBT-4R	10	1/4	6.4	17.5	19.1	17.2	19.5	23.9	31.5	28.2
M10PKMBT-6R	10	3/8	8.0	17.5	19.1	17.2	19.5	23.9	31.5	28.2
M12PKMBT-4R	12	1/4	6.4	20.6	22.2	22.8	22.0	25.9	36.0	28.2
M12PKMBT-6R	12	3/8	10.0	20.6	22.2	22.8	22.0	25.9	36.0	28.2
M12PKMBT-8R	12	1/2	10.0	20.6	22.2	22.8	22.0	25.9	36.0	33.0
M16PKMBT-6R	16	3/8	10.0	25.4	25.4	24.4	22.0	27.9	38.0	30.2
M16PKMBT-8R	16	1/2	12.0	25.4	25.4	24.4	22.0	27.9	38.0	35.1
M20PKMBT-12R	20	3/4	16.0	31.8	31.8	26.0	22.0	34.5	44.6	41.7

Female Adapter-PKFA



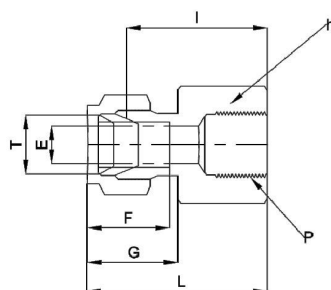
Fractional Tube to Female NPT Thread

Part No.	Tube O.D. (T)		P (NPT)	E Min	h		I	L
	in	mm			in	mm		
2PKFA -2N	1/8	3.17	1/8	1.8	9/16	14.28	13.5	31.2
2PKFA -4N	1/8	3.17	1/4	1.8	3/4	19.06	13.5	34.0
3PKFA -2N	3/16	4.76	1/8	3.0	9/16	14.28	14.2	32.0
3PKFA -4N	3/16	4.76	1/4	3.0	3/4	19.05	14.2	34.8
4PKFA -2N	1/4	6.35	1/8	4.6	9/16	14.28	15.7	33.5
4PKFA -4N	1/4	6.35	1/4	4.6	3/4	19.05	15.7	36.3
4PKFA -6N	1/4	6.35	3/8	4.6	7/8	22.22	15.7	39.6
4PKFA -8N	1/4	6.35	1/2	4.6	1-1/16	26.98	15.7	45.2
5PKFA -2N	5/16	7.93	1/8	6.4	9/16	14.28	16.5	34.3
5PKFA -2N	5/16	7.93	1/4	6.4	3/4	19.05	16.5	37.1
6PKFA -2N	3/8	9.52	1/8	7.0	9/16	14.28	17.3	35.3
6PKFA -4N	3/8	9.52	1/4	7.0	3/4	19.05	17.3	38.1
6PKFA -6N	3/8	9.52	3/8	7.0	7/8	22.22	17.3	41.1
6PKFA -8N	3/8	9.52	1/2	7.0	1-1/16	26.98	17.3	46.7
8PKFA -4N	1/2	12.70	1/4	10.0	3/4	19.05	22.9	43.4
8PKFA -6N	1/2	12.70	3/8	10.0	7/8	22.22	22.9	46.7
8PKFA -8N	1/2	12.70	1/2	10.0	1-1/16	26.98	24.4	52.3
10PKFA -6N	5/8	15.87	3/8	12.7	7/8	22.22	24.4	48.3
10PKFA -8N	5/8	15.87	1/2	12.7	1-1/16	26.98	24.4	53.8
10PKFA -12N	5/8	15.87	3/4	12.7	1-1/4	31.75	24.4	55.4
12PKFA -8N	3/4	19.05	1/2	15.0	1-1/16	26.98	24.4	53.8
12PKFA -12N	3/4	19.05	3/4	15.0	1-1/4	31.75	24.4	55.4
12PKFA -16N	3/4	19.05	1	15.0	1 5/8	41.27	24.4	62.5
14PKFA -12N	7/8	22.22	3/4	17.0	1-1/4	31.75	26.2	57.2
16PKFA -12N	1	25.40	3/4	20.0	1-1/4	31.75	30.7	61.7
16PKFA -16N	1	25.40	1	20.0	1-5/8	41.27	30.7	68.8

Metric Tube to Female ISO Tapered Thread

Part No.	Tube O.D.T mm	P (NPT)	E Min	h	I	L
M3PKFA -2R	3	1/8	1.8	14.3	13.5	35.7
M6PKFA -2R	6	1/8	4.8	14.3	15.9	34.1
M6PKFA -4R	6	1/4	4.8	19.1	15.9	38.9
M8PKFA -4R	8	1/4	6.4	19.1	16.7	38.1
M10PKFA -4R	10	1/4	6.4	19.1	17.5	39.7
M10PKFA -6R	10	3/8	8.0	22.2	17.5	41.3
M10PKFA -8R	10	1/2	8.0	27.0	17.5	47.0
M12PKFA -4R	12	1/4	9.0	19.1	23.0	45.2
M12PKFA -6R	12	3/8	9.0	22.2	23.0	46.0
M12PKFA -8R	12	1/2	9.0	27.0	23.0	52.0
M18PKFA -12R	18	3/4	14.0	31.8	24.6	54.8

Female Connector-PKFC



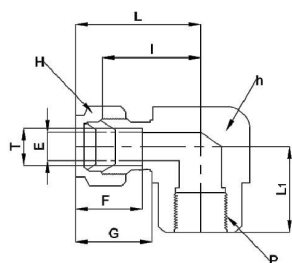
Fractional Tube to Female NPT Thread

Part No.	Tube O.D. (T)		P (NPT)	E Min	h		H		F	G	I	L
	in	Mm			in	mm	in	mm				
2PKFC-2N	1/8	3.17	1/8	2.3	9/16	14.28	7/16	11.11	12.7	15.2	22.1	28.7
2PKFC-4N	1/8	3.17	1/4	2.3	3/4	19.05	7/16	11.11	12.7	15.2	26.9	33.5
3PKFC-2N	3/16	4.76	1/8	3.0	9/16	14.28	1/2	12.70	13.7	16.0	23.1	29.7
4PKFC-2N	1/4	6.35	1/8	4.8	9/16	14.28	9/16	14.28	15.2	17.8	23.8	31.2
4PKFC-4N	1/4	6.35	1/4	4.8	3/4	19.05	9/16	14.28	15.2	17.8	28.4	35.8
4PKFC-6N	1/4	6.35	3/8	4.8	7/8	22.22	9/16	14.28	15.2	17.8	30.2	37.6
4PKFC-8N	1/4	6.35	1/2	4.8	1-1/16	26.98	9/16	14.28	15.2	17.8	35.1	42.4
5PKFC-2N	5/16	7.93	1/8	6.4	9/16	14.28	5/8	15.87	16.3	18.5	24.6	32.0
5PKFC-4N	5/16	7.93	1/4	6.4	3/4	19.05	5/8	15.87	16.3	18.5	29.5	36.8
6PKFC-2N	3/8	9.52	1/8	7.0	5/8	15.87	11/16	17.46	16.8	19.3	25.4	32.8
6PKFC-4N	3/8	9.52	1/4	7.0	3/4	19.05	11/16	17.46	16.8	19.3	30.2	37.6
6PKFC-6N	3/8	9.52	3/8	7.0	7/8	22.22	11/16	17.46	16.8	19.3	31.8	39.1
6PKFC-8N	3/8	9.52	1/2	7.0	1-1/16	26.98	11/16	17.46	16.8	19.3	36.6	43.9
6PKFC-12N	3/8	9.52	3/4	7.0	1-5/16	33.33	11/16	17.46	16.8	19.3	40.4	47.8
8PKFC-4N	1/2	12.70	1/4	10.0	13/16	20.63	7/8	22.22	22.9	21.8	30.2	40.4
8PKFC-6N	1/2	12.70	3/8	10.0	7/8	22.22	7/8	22.22	22.9	21.8	31.8	41.9
8PKFC-8N	1/2	12.70	1/2	10.0	1-1/16	26.98	7/8	22.22	22.9	21.8	36.6	46.7
8PKFC-12N	1/2	12.70	3/4	10.0	1-5/16	33.33	7/8	22.22	22.9	21.8	38.1	48.3
10PKFC-6N	5/8	15.87	3/8	12.0	15/16	33.33	1	25.40	24.4	21.8	31.8	41.9
10PKFC-8N	5/8	15.87	1/2	12.0	1-1/16	26.98	1	25.40	24.4	21.8	36.6	46.7
12PKFC-8N	3/4	19.05	1/2	16.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	36.6	46.7
12PKFC-12N	3/4	19.05	3/4	16.0	1-5/16	33.33	1-1/8	28.57	24.4	21.8	38.1	48.3
14PKFC-12N	7/8	22.22	3/4	18.0	1-5/16	33.33	1-1/4	31.75	25.9	21.8	39.6	49.8
16PKFC-12N	1	25.40	3/4	22.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	41.1	53.3
16PKFC-16N	1	25.40	1	22.0	1-5/8	41.27	1-1/2	38.10	31.2	26.4	50.0	62.2

Metric Tube to Female ISO Tapered Thread

Part No.	Tube O.D.T mm	P (NPT)	E Min	h	H	F	G	I	I ¹	L
M3PKFC-2R	3	1/8	2.3	14.3	11.1	12.9	15.3	22.1	9.9	28.7
M3PKFC-4R	3	1/4	2.3	19.1	11.1	12.9	15.3	26.9	15.0	33.5
M4PKFC-2R	4	1/8	2.3	14.3	12.7	13.7	16.1	23.1	9.9	29.7
M6PKFC-2R	6	1/8	4.8	14.3	14.3	15.3	17.7	23.9	9.9	31.3
M6PKFC-4R	6	1/4	4.8	19.1	14.3	15.3	17.7	28.4	15.0	35.8
M6PKFC-6R	6	3/8	4.8	22.2	14.3	15.3	17.7	29.5	15.0	36.9
M6PKFC-8R	6	1/2	4.8	27.0	14.3	15.3	17.7	35.1	19.8	42.5
M8PKFC-2R	8	1/8	6.4	14.3	15.9	16.2	18.6	24.6	9.9	32.1
M8PKFC-4R	8	1/4	6.4	19.1	15.9	16.2	18.6	29.5	15.0	37.0
M8PKFC-6R	8	3/8	6.4	22.2	15.9	16.2	18.6	30.2	15.0	37.0
M8PKFC-8R	8	1/2	6.4	27.0	15.9	16.2	18.6	35.8	19.8	43.3
M10PKFC-2R	10	1/8	8.0	17.5	19.1	17.2	19.5	25.4	9.9	33.0
M10PKFC-4R	10	1/4	8.0	19.1	19.1	17.2	19.5	30.2	15.0	37.8
M10PKFC-6R	10	3/8	8.0	22.2	19.1	17.2	19.5	31.0	15.0	38.6
M10PKFC-8R	10	1/2	8.0	27.0	19.1	17.2	19.5	36.6	19.8	44.2
M12PKFC-2R	12	1/8	8.3	22.2	22.2	22.8	22.0	28.4	9.9	38.5
M12PKFC-4R	12	1/4	10.0	22.2	22.2	22.8	22.0	30.2	15.0	40.3
M12PKFC-6R	12	3/8	10.0	22.2	22.2	22.8	22.0	31.0	15.0	41.1
M12PKFC-8R	12	1/2	10.0	27.0	22.2	22.8	22.0	36.6	19.8	46.7
M12PKFC-12R	12	3/4	10.0	31.8	22.2	22.8	22.0	38.9	20.6	49.0
M15PKFC-8R	15	1/2	12.0	27.0	25.4	24.4	22.0	36.6	19.8	46.7
M16PKFC-8R	16	1/2	12.0	27.0	25.4	24.4	22.0	36.8	19.8	46.9
M20PKFC-8R	20	1/2	16.0	30.2	31.8	26.0	22.0	37.8	19.8	47.9
M20PKFC-12R	20	3/4	16.0	31.8	31.8	26.0	22.0	39.6	20.6	49.7
M22PKFC-12R	22	3/4	18.0	31.8	31.8	26.0	22.0	39.6	20.6	49.7
M22PKFC-16R	22	1	18.0	39.7	31.8	26.0	22.0	47.8	25.4	57.9
M25PKFC-12R	25	3/4	22.0	36.5	38.1	31.3	26.5	41.1	20.6	53.4
M25PKFC-16R	25	1	22.0	39.7	38.1	31.3	26.5	50.0	25.4	62.3

Female Elbow-PKFE

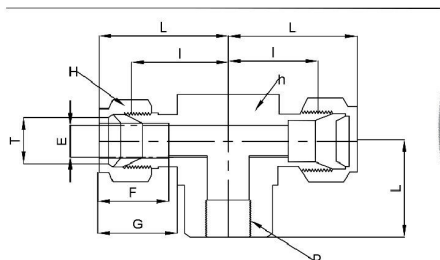


Fractional Tube to Male NPT Thread

Part No.	Tube O.D.(T)		P (NPT)	E Min	h		H		F	G	I	L	L ₁
	in	mm			in	mm	in	mm					
2PKFE-2N	1/8	3.17	1/8	2.3	1/2	12.70	7/16	11.11	12.7	15.2	18.0	24.6	19.1
2PKFE-4N	1/8	3.17	1/4	2.3	11/16	17.46	7/16	11.11	12.7	15.2	20.8	27.4	22.4
3PKFE-2N	3/16	4.76	1/8	3.0	1/2	12.70	1/2	12.70	13.7	16.0	18.8	25.4	19.1
4PKFE-2N	1/4	6.35	1/8	4.8	1/2	12.70	9/16	14.28	15.2	17.8	19.6	26.9	19.1
4PKFE-4N	1/4	6.35	1/4	4.8	11/16	17.46	9/16	14.28	15.2	17.8	22.4	29.7	22.4
4PKFE-6N	1/4	6.35	3/8	4.8	13/16	20.63	9/16	14.28	15.2	17.8	24.4	31.8	22.4
4PKFE-8N	1/4	6.35	1/2	4.8	1	25.40	9/16	14.28	15.2	17.8	27.2	34.5	28.4
5PKFE-2N	5/16	7.93	1/8	6.4	9/16	14.28	5/8	15.87	16.3	18.5	21.3	28.7	19.1
5PKFE-4N	5/16	7.93	1/4	6.4	11/16	17.46	5/8	15.87	16.3	18.5	23.1	30.5	22.4
6PKFE-2N	3/8	9.52	1/8	7.0	5/8	15.87	11/16	17.46	16.8	19.3	23.1	30.5	19.1
6PKFE-4N	3/8	9.52	1/4	7.0	11/16	17.46	11/16	17.46	16.8	19.3	23.9	31.2	22.4
6PKFE-6N	3/8	9.52	3/8	7.0	13/16	20.63	11/16	17.46	16.8	19.3	25.9	33.3	22.4
6PKFE-8N	3/8	9.52	1/2	7.0	1	25.40	11/16	17.46	16.8	19.3	28.7	36.1	28.4
8PKFE-4N	1/2	12.70	1/4	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1	22.4
8PKFE-6N	1/2	12.70	3/8	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1	22.4
8PKFE-8N	1/2	12.70	1/2	10.0	1	25.40	7/8	22.22	22.9	21.8	28.7	38.9	28.4
10PKFE-6N	5/8	15.87	3/8	12.0	1	25.40	1	25.40	24.4	21.8	27.9	38.1	22.4
10PKFE-8N	5/8	15.87	1/2	12.0	1	25.40	1	25.40	24.4	21.8	29.7	39.9	28.4
12PKFE-8N	3/4	19.05	1/2	16.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	29.7	39.9	28.4
12PKFE-12N	3/4	19.05	3/4	16.0	1-1/4	31.75	1-1/8	28.57	24.4	21.8	34.5	44.7	31.8
14PKFE-12N	7/8	22.22	3/4	18.0	1-1/4	31.75	1-1/4	31.75	25.9	21.8	34.5	44.7	31.8
16PKFE-12N	1	25.40	3/4	22.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	36.8	49.0	31.8
16PKFE-16N	1	25.40	1	22.0	1-11/16	42.86	1-1/2	38.10	31.2	26.4	38.1	50.3	38.1

Part No,	Tube O.D.(T) mm	P (NPT)	E Min	h	H	F	G	I	L	L ₁
M3PKFE -2N	3	1/8	2.3	12.7	11.1	12.9	15.3	18.0	24.6	19.1
M3PKFE -4N	3	1/4	2.3	17.5	11.1	12.9	15.3	20.8	27.4	22.4
M4PKFE -2N	4	1/8	3.0	12.7	12.7	13.7	16.1	18.8	25.4	19.1
M6PKFE -2N	6	1/8	4.8	12.7	14.3	15.3	17.7	19.6	26.9	19.1
M6PKFE -4N	6	1/4	4.8	17.5	14.3	15.3	17.7	22.4	29.7	22.4
M6PKFE -6N	6	3/8	4.8	20.6	14.3	15.3	17.7	24.4	31.8	22.4
M6PKFE -8N	6	1/2	4.8	25.4	14.3	15.3	17.7	27.2	34.5	28.4
M8PKFE -2N	8	1/8	6.4	14.3	15.9	16.2	18.6	21.3	28.7	19.1
M8PKFE -4N	8	1/4	6.4	17.5	15.9	16.2	18.6	23.1	30.5	22.4
M12PKFE -4N	12	1/4	10.0	20.6	22.2	22.8	22.0	25.9	36.1	22.4
M12PKFE -6N	12	3/8	10.0	20.6	22.2	22.8	22.0	25.9	36.1	22.4
M12PKFE -8N	12	1/2	10.0	25.4	22.2	22.8	22.0	28.7	38.9	28.4
M15PKFE -6N	15	3/8	12.0	25.4	25.4	24.4	22.0	27.9	38.1	22.4
M15PKFE -8N	15	1/2	12.0	25.4	25.4	24.4	22.0	29.7	39.9	28.4
M18PKFE -8N	18	1/2	16.0	27.0	30.2	24.4	22.0	29.7	39.9	28.4
M18PKFE -12N	18	3/4	16.0	31.8	30.2	24.4	22.0	34.5	44.7	31.8
M22PKFE -12N	22	3/4	18.0	31.8	31.8	26.0	22.0	34.5	44.7	31.8
M25PKFE -12N	25	3/4	22.0	34.9	38.1	31.3	26.5	36.8	49.0	31.8
M25PKFE -16N	25	1	22.0	42.9	38.1	31.3	26.5	38.1	50.3	38.1

Female Branch Tee-PKFBT



Fractional Tube to Male NPT Thread

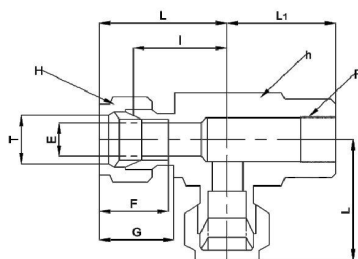
Part No.	Tube O.D. (T)		P (NP T)	E Min	h		H		F	G	I	L	L ₁
	in	mm			in	mm	in	mm					
2PKFBT-2N	1/8	3.17	1/8	2.3	1/2	12.70	7/16	11.11	12.7	15.2	18.0	24.4	19.1
4PKFBT-2N	1/4	6.35	1/8	4.8	1/2	12.70	9/16	14.28	15.2	17.8	19.6	26.9	19.1
4PKFBT-4N	1/4	6.35	1/4	4.8	11/16	17.46	9/16	14.28	15.2	17.8	22.4	29.7	22.4
6PKFBT-4N	3/8	9.52	1/4	7.0	11/16	17.46	11/16	17.46	16.8	19.3	23.9	31.2	22.4
8PKFBT-4N	1/2	12.70	1/4	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1	22.4
8PKFBT-6N	1/2	12.70	3/8	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1	22.4
8PKFBT-8N	1/2	12.70	1/2	10.0	1	25.40	7/8	22.22	22.9	21.8	28.7	38.9	28.4
10PKFBT-8N	5/8	15.87	1/2	12.0	1	25.40	1	25.40	24.4	21.8	28.7	38.9	28.4
12PKFBT-12N	3/4	19.05	3/4	16.0	1-1/4	31.75	1-1/8	28.57	24.4	21.8	34.5	44.7	31.8
16PKFBT-12N	1	25.40	3/4	22.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	36.8	49.0	31.8
16PKFBT-16N	1	25.40	1	22.0	1-11/16	42.86	1-1/2	38.10	31.2	26.4	38.1	50.3	38.1

Metric Tube to Female NPT Thread

Part No.	Tube O.D.T mm	P (NPT)	E Min	h	H	F	G	I	L	L ₁
M3PKFBT-2N	3	1/8	2.3	12.7	11.1	12.9	15.3	18.0	24.4	19.1
M6PKFBT-2N	6	1/8	4.8	12.7	14.3	15.3	17.7	19.6	26.9	19.1
M6PKFBT-4N	6	1/4	4.8	17.5	14.3	15.3	17.7	22.4	29.7	22.4
M12PKFBT-4N	12	1/4	10.0	20.6	22.2	22.8	22.0	25.9	36.1	22.4
M12PKFBT-6N	12	3/8	10.0	20.6	22.2	22.8	22.0	25.9	36.1	22.4
M12PKFBT-8N	12	1/2	10.0	25.4	22.2	22.8	22.0	28.7	38.9	28.4
M15PKFBT-8N	15	1/2	12.0	25.4	25.4	24.4	22.0	28.7	38.9	28.4
M18PKFBT-12N	18	3/4	16.0	31.8	30.2	24.4	22.0	34.5	44.7	31.8
M25PKFBT-12N	25	3/4	22.0	34.9	38.1	31.3	26.5	36.8	49.0	31.8
M25PKFBT-16N	25	1	22.0	42.9	38.1	31.3	26.5	38.1	50.3	38.1

Metric Tube to Male NPT Thread

Female Run Tee-PKFRT



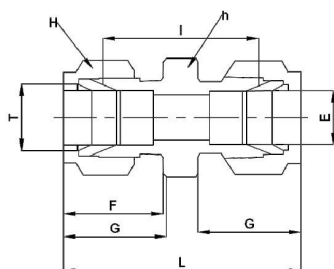
Fractional Tube to Male NPT Thread

Part No.	Tube O.D.(T)		P (NPT)	E Min	h		H		F	G	I	L	L ₁
	in	mm			in	mm	in	mm					
2PKFRT -2N	1/8	3.17	1/8	2.3	1/2	12.70	7/16	11.11	12.7	15.2	18.0	24.9	19.1
4PKFRT -2N	1/4	6.35	1/8	4.8	1/2	12.70	9/16	14.28	15.2	17.8	19.6	26.9	19.1
4PKFRT -4N	1/4	6.35	1/4	4.8	11/16	17.46	9/16	14.28	15.2	17.8	22.9	29.7	22.4
6PKFRT -4N	3/8	9.52	1/4	7.0	11/16	17.46	11/16	17.46	16.8	19.3	23.9	31.2	22.4
8PKFRT -6N	1/2	12.70	3/8	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1	22.4
8PKFRT -8N	1/2	12.70	1/2	10.0	1	25.40	7/8	22.22	22.9	21.8	29.7	39.9	28.4
12PKFRT -12N	3/4	19.05	3/4	16.0	1-1/4	31.75	1-1/8	28.57	24.4	21.8	34.5	44.7	31.8

Metric Tube to Male NPT Thread

Part No.	Tube O.D. (T) mm	P (NPT)	E Min	h	H	F	G	I	L	L ₁
M3PKFRT -2N	3	1/8	2.3	12.7	11.1	12.9	15.3	18.0	24.4	19.1
M6PKFRT -2N	6	1/8	4.8	12.7	14.3	15.3	17.7	19.6	26.9	19.1
M6PKFRT -4N	6	1/4	4.8	17.5	14.3	15.3	17.7	22.4	29.7	22.4
M12PKFRT -4N	12	1/4	10.0	20.6	22.2	22.8	22.0	25.9	36.1	22.4
M12PKFRT -6N	12	3/8	10.0	20.6	22.2	22.8	22.0	25.9	36.1	22.4
M12PKFRT -8N	12	1/2	10.0	25.4	22.2	22.8	22.0	28.7	38.9	28.4
M15PKFRT -8N	15	1/2	12.0	25.4	25.4	24.4	22.0	28.7	38.9	28.4
M18PKFRT -12N	18	3/4	16.0	31.8	30.2	24.4	22.0	34.5	44.7	31.8
M25PKFRT -12N	25	3/4	22.0	34.9	38.1	31.3	26.5	36.8	49.0	31.8
M25PKFRT -16N	25	1	22.0	42.9	38.1	31.3	26.5	38.1	50.3	38.1

Union -PKU



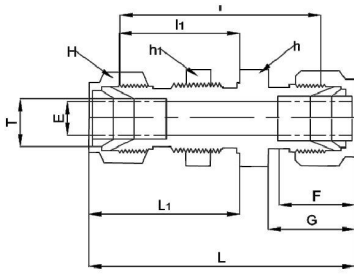
Fractional Tubes

Part No.	Tube O.D. (T)		E Min	h		H		F	G	I	L
	in	mm		in	mm	in	mm				
2PKU	1/8	3.17	2.3	7/16	11.11	7/16	11.11	12.7	15.2	22.4	35.6
3PKU	3/16	4.76	3.0	7/16	11.11	1/2	12.70	13.7	16.0	24.1	37.3
4PKU	1/4	6.35	4.8	1/2	12.70	9/16	14.28	15.2	17.8	26.2	40.9
5PKU	5/16	7.93	6.4	9/16	14.28	5/8	15.87	16.3	18.5	28.2	42.9
6PKU	3/8	9.52	7.0	5/8	15.87	11/16	17.46	16.8	19.3	30.2	45.0
8PKU	1/2	12.70	10.0	13/16	20.63	7/8	22.22	22.9	21.8	31.0	51.3
10PKU	5/8	15.87	12.0	15/16	23.81	1	25.40	24.4	21.8	31.8	52.1
12PKU	3/4	19.05	16.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	33.3	53.6
14PKU	7/8	22.22	18.0	1-3/16	30.16	1-1/4	31.75	25.9	21.8	35.1	55.4
16PKU	1	25.40	22.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	40.4	64.8

Metric Tubes

Part No.	Tube O.D.T mm	E Min	h	H	F	G	I	L
M3PKU	3	2.3	11.1	11.1	12.9	15.3	22.1	31.3
M4PKU	4	2.3	11.1	12.7	13.7	16.1	24.1	37.3
M6PKU	6	4.8	12.7	14.3	15.3	17.7	26.2	41.0
M8PKU	8	6.4	14.3	15.9	16.2	18.6	28.2	43.2
M10PKU	10	8.0	17.5	19.1	15.3	19.5	31.0	46.2
M12PKU	12	10.0	20.6	22.2	22.8	22.0	31.0	51.2
M15PKU	15	12.0	23.8	25.4	24.4	22.0	31.8	52.0
M16PKU	16	12.0	23.8	25.4	24.4	22.0	31.8	52.0
M18PKU	18	15.0	27.0	30.2	24.4	22.0	33.3	53.5
M20PKU	20	16.0	30.2	31.8	26.0	22.0	34.8	55.0
M22PKU	22	18.0	30.2	31.8	26.0	22.0	34.8	55.0
M25PKU	25	22.0	34.9	38.1	31.3	26.5	40.4	65.0

Bulkhead Union -PKBU



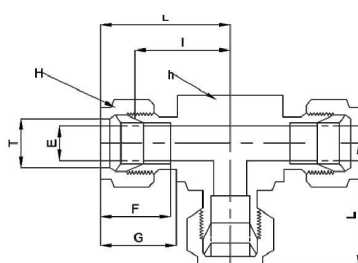
Fractional Tubes

Part No.	Tube O.D. (T)		E Min	h		H		F	G	I	I ₁	L	L ₁	Panel Hole Drill Size	Max Panel Thickness
	in	mm		in	mm	in	mm								
2PKBU	1/8	3.17	2.3	1/2	12.70	7/16	11.11	12.7	15.2	38.1	24.6	51.3	31.2	8.3	12.7
3PKBU	3/16	4.76	3.0	9/16	14.28	1/2	12.70	13.7	16.0	40.4	25.4	53.6	32.0	9.9	12.7
4PKBU	1/4	6.35	4.8	5/8	15.87	9/16	14.28	15.2	17.8	42.9	26.2	57.7	33.5	11.5	10.2
5PKBU	5/16	7.93	6.4	11/16	17.46	5/8	15.87	16.3	18.5	46.0	28.4	60.7	35.8	13.1	11.2
6PKBU	3/8	9.52	7.0	3/4	19.05	11/16	17.46	16.8	19.3	47.5	29.5	62.2	36.8	14.7	11.2
8PKBU	1/2	12.70	10.0	15/16	23.81	7/8	22.22	22.9	21.8	50.8	31.8	71.1	41.9	19.4	12.7
10PKBU	5/8	15.87	12.0	1-1/16	26.81	1	25.40	24.4	21.8	52.3	32.5	72.6	42.7	22.6	12.7
12PKBU	3/4	19.05	16.0	1-3/16	30.16	1-1/8	28.57	24.4	21.8	58.7	37.3	79.0	47.5	25.8	16.8
14PKBU	7/8	22.22	18.0	1-3/8	34.92	1-1/4	31.75	25.9	21.8	64.3	42.9	84.6	53.1	29.0	19.1
16PKBU	1	25.40	22.0	1-5/8	41.27	1-1/2	38.10	31.2	26.4	71.4	45.2	95.8	57.4	33.7	19.1

Metric Tubes

Part No.	Tube O.D.T mm	E Min	h	h 1	H	A	B	I	I ₁	L	L ₁	Panel Hole Drill Size	Max Panel Thickness
M3PKBU	3	2.3	12.7	12.7	12.7	12.9	15.3	38.1	24.6	51.3	31.2	8.3	12.7
M4PKBU	4	2.3	14.3	14.3	12.7	13.7	16.1	40.4	25.4	53.6	32.0	9.9	12.7
M6PKBU	6	4.8	15.9	15.9	14.3	15.3	17.7	42.9	26.2	57.7	33.6	11.5	10.2
M8PKBU	8	6.4	17.5	17.5	15.9	16.2	18.6	46.0	28.6	61.0	36.1	13.1	11.2
M10PKBU	10	8.0	22.2	22.0	19.1	17.2	19.5	48.5	29.4	63.7	37.0	16.2	11.2
M12PKBU	12	10.0	23.8	23.8	22.8	22.8	22.0	50.8	31.8	71.0	41.9	19.5	12.7
M15PKBU	15	12.0	27.0	27.0	25.4	24.4	22.0	52.3	32.5	72.5	42.6	22.8	12.7
M16PKBU	16	12.0	27.0	27.0	25.4	24.4	22.0	52.3	32.5	72.5	42.6	22.8	12.7
M18PKBU	18	15.0	30.2	30.2	30.2	24.4	22.0	58.7	37.3	78.9	47.4	26.0	16.8

Union Tee -PKUT



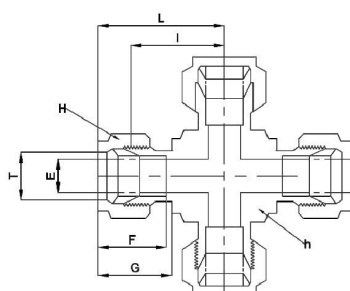
Fractional Tubes

Part No	Tube O.D. (T)		E Min	h		H		F	G	I	L
	in	mm		in	mm	in	mm				
2PKUT	1/8	3.17	2.3	7/16	11.11	7/16	11.11	12.7	15.2	15.7	22.4
3PKUT	3/16	4.76	3.0	7/16	11.11	1/2	12.70	13.7	16.0	17.8	24.4
4PKUT	1/4	6.35	4.8	1/2	12.70	9/16	14.28	15.2	17.8	19.6	26.9
5PKUT	5/16	7.93	6.4	9/16	14.28	5/8	15.87	16.3	18.5	21.3	28.7
6PKUT	3/8	9.52	7.0	5/8	15.87	11/16	17.46	16.8	19.3	23.1	30.5
8PKUT	1/2	12.70	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1
10PKUT	5/8	15.87	12.0	1	25.40	1	25.40	24.4	21.8	28.7	38.9
12PKUT	3/4	19.05	16.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	29.7	39.9
14PKUT	7/8	22.22	18.0	1-1/4	31.75	1-1/4	31.75	25.9	21.8	34.5	44.7
16PKUT	1	25.40	22.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	36.8	49.0

Metric Tubes

Part No.	Tube O.D.T mm	E Min	h	H	F	G	I	L
M3PKUT	3	2.3	11.1	11.1	12.9	15.3	17.0	23.6
M4PKUT	4	2.3	11.1	12.7	13.7	16.1	18.8	25.4
M6PKUT	6	4.8	12.7	14.3	15.3	17.7	19.6	27.0
M8PKUT	8	6.4	14.3	15.9	16.2	18.6	21.3	28.8
M10PKUT	10	8.0	17.5	19.1	17.2	19.5	23.9	31.5
M12PKUT	12	10.0	20.6	22.2	22.8	22.0	25.9	36.0
M15PKUT	15	12.0	25.4	25.4	24.4	22.0	28.7	38.8
M16PKUT	16	12.0	25.4	25.4	24.4	22.0	28.7	38.8
M18PKUT	18	15.0	27.0	30.2	24.4	22.0	29.7	39.8
M20PKUT	20	16.0	31.8	31.8	26.0	22.0	32.5	42.6
M22PKUT	22	18.0	31.8	31.8	26.0	22.0	32.5	42.6
M25PKUT	25	22.0	34.9	38.1	31.3	26.5	36.8	49.1

Union Cross -PKUC



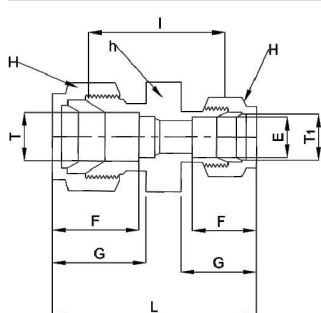
Fractional Tubes

Part No.	Tube O.D. (T)		E Min	h		H		F	G	I	L
	in	mm		in	mm	in	mm				
2PKUC	1/8	3.17	2.3	7/16	11.11	7/16	11.11	12.7	15.2	15.7	22.4
3PKUC	3/16	4.76	3.0	7/16	11.11	1/2	12.70	13.7	16.0	17.8	24.4
4PKUC	1/4	6.35	4.8	1/2	12.70	9/16	14.28	15.2	17.8	19.6	26.9
5PKUC	5/16	7.93	6.4	9/16	14.28	5/8	15.87	16.3	18.5	21.3	28.7
6PKUC	3/8	9.52	7.0	5/8	15.87	11/16	17.46	16.8	19.3	23.1	30.5
8PKUC	1/2	12.70	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1
10PKUC	5/8	15.87	12.0	1	25.40	1	25.40	24.4	21.8	28.7	38.9
12PKUC	3/4	19.05	16.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	29.7	39.9
14PKUC	7/8	22.22	18.0	1-1/4	31.75	1-1/4	31.75	25.9	21.8	34.5	44.7
16PKUC	1	25.40	22.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	36.8	49.0

Metric Tubes

Part No.	Tube O.D.T mm	E Min	h	H	F	G	I	L
M3PKUC	3	2.3	11.1	11.1	12.9	15.3	17.0	23.6
M4PKUC	4	2.3	11.1	12.7	13.7	16.1	18.8	25.4
M6PKUC	6	4.8	12.7	14.3	15.3	17.7	19.6	27.0
M8PKUC	8	6.4	14.3	15.9	16.2	18.6	21.3	28.8
M10PKUC	10	8.0	17.5	19.1	17.2	19.5	23.9	31.5
M12PKUC	12	10.0	20.6	22.2	22.8	22.0	25.9	36.0

Reducing Union -PKRU



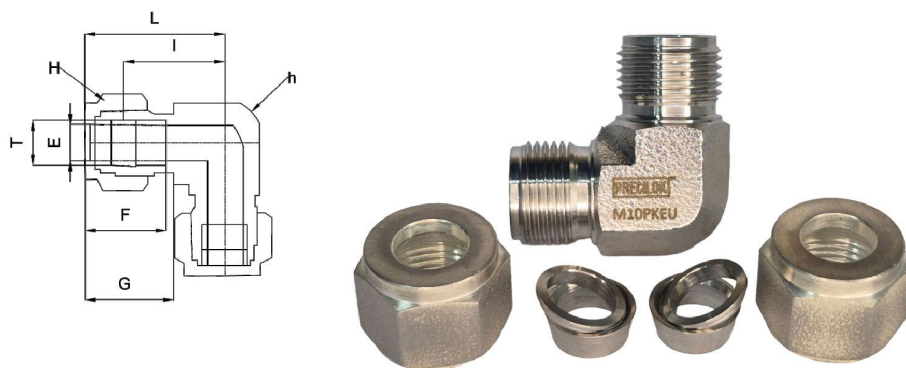
Part No.	Tube O.D.				E Min	h		H		H1		F	F1	G	G1	I	L1
	T		T1			in	mm	in	mm	in	mm						
	in	mm	in	mm													
3PKRU -2	3/16	4.76	1/8	3.17	2.3	7/16	11.11	1/2	12.70	7/16	11.11	13.7	12.7	16.0	15.2	23.4	36.6
4PKRU -2	1/4	6.35	1/8	3.17	2.3	1/2	12.70	9/16	14.28	7/16	11.11	15.2	12.7	17.8	15.2	24.6	38.6
4PKRU -3	1/4	6.35	3/16	4.76	3.0	1/2	12.70	9/16	14.28	1/2	12.70	15.2	13.7	17.8	16.0	25.4	39.4
5PKRU -2	5/16	7.93	1/8	3.17	2.3	9/16	14.28	5/8	15.87	7/16	11.11	16.3	12.7	18.5	15.2	25.9	39.9
5PKRU -4	5/16	7.93	1/4	6.35	4.8	9/16	14.28	5/8	15.87	9/16	14.28	16.3	15.2	18.5	17.8	27.4	42.2
6PKRU -2	3/8	9.52	1/8	3.17	2.3	5/8	15.87	11/16	17.46	7/16	11.11	16.8	12.7	19.3	15.2	26.9	40.9
6PKRU -4	3/8	9.52	1/4	6.35	4.8	5/8	15.87	11/16	17.46	9/16	14.28	16.8	15.2	19.3	17.8	28.4	43.2
6PKRU -5	3/8	9.52	5/16	7.93	6.4	5/8	15.87	11/16	17.46	5/8	15.87	16.8	16.3	19.3	18.5	29.5	44.2
8PKRU -2	1/2	12.70	1/8	3.17	2.3	13/16	20.63	7/8	22.22	7/16	11.11	22.9	12.7	21.8	15.2	28.4	45.2
8PKRU -4	1/2	12.70	1/4	6.35	4.8	13/16	20.63	7/8	22.22	9/16	14.28	22.9	15.2	21.8	17.8	29.5	47.0
8PKRU -6	1/2	12.70	3/8	9.52	7.0	13/16	20.63	7/8	22.22	11/16	17.46	22.9	16.8	17.8	19.3	31.0	48.5
10PKRU -6	5/8	15.87	3/8	9.52	7.0	15/16	23.81	1	25.40	11/16	17.46	24.4	16.8	21.8	19.3	31.8	49.3
10PKRU -8	5/8	15.87	1/2	12.70	10.0	15/16	23.81	1	25.40	7/8	22.22	24.4	22.9	21.8	21.8	31.8	52.1
12PKRU -4	3/4	19.05	1/4	6.35	4.8	1-1/16	26.98	1-1/8	28.57	9/16	14.28	24.4	15.2	21.8	17.8	31.8	49.3
12PKRU -6	3/4	19.05	3/8	9.52	7.0	1-1/16	26.98	1-1/8	28.57	11/16	17.46	24.4	16.8	21.8	19.3	33.3	50.8
12PKRU -8	3/4	19.05	1/2	12.70	10.0	1-1/16	26.98	1-1/8	28.57	7/8	22.22	24.4	22.9	21.8	21.8	33.3	53.6
12PKRU -10	3/4	19.05	5/8	15.87	12.0	1-1/16	26.98	1-1/8	28.57	1	25.40	24.4	24.4	21.8	21.8	33.3	53.6
16PKRU -8	1	25.40	1/2	12.70	10.0	1-3/8	34.92	1-1/2	38.10	7/8	22.22	31.2	22.9	26.4	21.8	40.9	63.2
16PKRU -12	1	25.40	3/4	19.05	16.0	1-3/8	34.92	1-1/2	38.10	1-1/8	28.57	31.2	24.4	26.4	21.8	40.9	62.7

Fractional Tube to Fractional Tube

Part No.	Tube O.D.		E Min	Width across flat			F	F ₁	G	G ₁	I	L
	T(mm)	T ₁ (mm)		h	H	H ₁						
M6PK RU -M3	6	3	2.3	12.7	14.3	11.1	15.3	12.9	17.7	15.3	24.6	38.6
M6PK RU -M3	6	4	2.3	12.7	14.3	12.7	15.3	13.7	17.7	16.1	25.4	39.4
M8PK RU -M6	8	6	4.8	14.3	15.9	14.3	16.2	15.3	18.6	17.7	27.4	42.3
M10PK RU -M6	10	6	4.8	17.5	19.1	14.3	17.2	15.3	19.5	17.7	29.5	44.5
M10PK RU -M8	10	8	6.4	17.5	22.2	15.9	17.2	16.2	19.5	18.6	30.0	45.1
M12PK RU -M6	12	6	4.8	20.6	22.2	14.3	22.8	15.3	22.0	17.7	29.5	47.0
M12PK RU -M8	12	8	6.4	20.6	22.2	15.9	22.8	16.2	22.0	18.6	30.2	47.8
M12PK RU -M10	12	10	8.0	20.6	22.2	19.1	22.8	17.2	22.0	19.5	31.0	48.7
M16PK RU -M12	16	12	10.0	23.8	25.4	22.2	24.4	22.8	22.0	22.0	31.8	52.0
M25PK RU -M18	25	18	15.0	34.9	38.1	30.2	31.3	24.4	26.5	22.0	38.6	61.0
M25PK RU -M20	25	20	16.0	34.9	38.1	31.8	31.3	26.0	26.5	22.0	39.9	62.3

Part No.	Tube O.D.			E Min	Width across flat			F	F ₁	G	G ₁	I	L
	D (mm)	D1			h	H	H ₁						
		in	mm										
M3PKRU -2	3	1/8	3.17	2.3	11.1	11.1	11.1	12.9	12.8	15.3	15.2	22.1	35.2
M4PKRU -2	4	1/8	3.17	2.3	11.1	12.7	11.1	13.7	12.8	16.1	15.2	23.4	36.5
M4PKRU -4	4	1/4	6.35	2.3	14.3	12.7	14.3	13.7	15.3	16.1	17.7	25.4	39.4
M6PKRU -2	6	1/8	3.17	2.3	12.7	14.3	11.1	15.3	12.8	17.7	15.2	24.6	38.5
M6PKRU -4	6	1/4	6.35	4.8	12.7	14.3	14.3	15.3	15.8	17.7	17.7	26.2	41.0
M6PKRU -5	6	5/16	7.93	4.8	14.3	14.3	15.9	15.3	16.2	17.7	18.6	27.4	42.3
M8PKRU -4	8	1/4	6.35	4.8	14.3	15.9	14.3	16.2	15.3	18.6	17.7	27.4	42.3
M10PKRU -2	10	1/8	3.17	2.3	17.5	19.1	11.1	17.2	16.2	19.5	15.2	27.7	41.8
M10PKRU -4	10	1/4	6.35	4.8	17.5	19.1	14.3	17.2	15.3	19.5	17.7	29.5	44.5
M10PKRU -5	10	5/16	7.93	6.4	17.5	19.1	15.9	17.2	12.8	19.5	18.6	30.0	45.1
M10PKRU -6	10	3/8	9.52	7.0	17.5	19.1	17.5	17.2	15.3	19.5	19.2	31.0	45.9
M12PKRU -5	12	5/16	7.93	6.4	20.6	22.2	15.9	22.8	16.2	22.0	18.6	30.2	47.8
M12PKRU -6	12	3/8	9.52	7.0	20.6	22.2	17.5	22.8	16.9	22.0	19.2	31.0	48.4
M12PKRU -8	12	1/2	12.70	10.0	20.6	22.2	22.2	22.8	22.8	22.0	22.0	31.0	51.2
M15PKRU -8	15	1/2	12.70	10.0	23.8	25.4	22.2	24.4	22.8	22.0	22.0	31.8	52.0
M16PKRU -10	16	5/8	15.87	12.0	23.8	25.4	25.4	24.4	24.4	22.0	22.0	31.8	52.0
M18PKRU -12	18	3/4	19.05	15.0	27.0	30.2	28.6	24.4	24.4	22.0	22.0	33.3	53.5

Union Elbow -PKEU



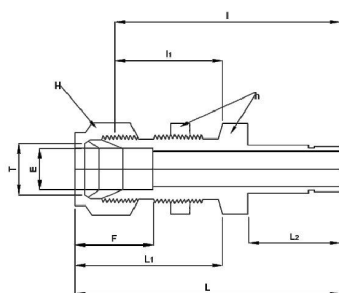
Fractional Tube to Fractional Port

Part No.	Tube O.D. (T)		E Min	h		H		F	G	I	L
	in	mm		in	mm	in	mm				
2PKEU	1/8	3.17	2.3	7/16	11.11	7/16	11.11	12.7	15.2	15.7	22.4
3PKEU	3/16	4.76	3.0	7/16	11.11	1/2	12.70	13.7	16.0	17.8	24.4
4PKEU	1/4	6.35	4.8	1/2	12.70	9/16	14.28	15.2	17.8	19.6	26.9
5PKEU	5/16	7.93	6.4	9/16	14.28	5/8	15.87	16.3	18.5	21.3	28.7
6PKEU	3/8	9.52	7.0	5/8	15.87	11/16	17.46	16.8	19.3	23.1	30.5
8PKEU	1/2	12.70	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1
10PKEU	5/8	15.87	12.0	1	25.40	1	25.40	24.4	21.8	28.7	38.9
12PKEU	3/4	19.05	16.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	29.7	39.9
14PKEU	7/8	22.22	18.0	1-1/4	31.75	1-1/4	31.75	25.9	21.8	34.5	44.7
16PKEU	1	25.40	22.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	36.8	49.0

Metric Tube to Metric Port

Part No.	Tube O.D.T mm	E Min	h	H	F	G	I	L
M3PKEU	3	2.3	11.1	11.1	12.9	15.3	17.0	23.6
M4PKEU	4	2.3	11.1	12.7	13.7	16.1	18.8	25.4
M6PKEU	6	4.8	12.7	14.3	15.3	17.7	19.6	27.0
M8PKEU	8	6.4	14.3	15.9	16.2	18.6	21.3	28.8
M10PKEU	10	8.0	17.5	19.1	17.2	19.5	23.9	31.5
M12PKEU	12	10.0	20.6	22.2	22.8	22.0	25.9	36.0
M15PKEU	15	12.0	25.4	25.4	24.4	22.0	28.7	38.8
M16PKEU	16	12.0	25.4	25.4	24.4	22.0	28.7	38.8
M18PKEU	18	15.0	27.0	30.2	24.4	22.0	29.7	39.8
M20PKEU	20	16.0	31.8	31.8	26.0	22.0	32.5	42.6
M22PKEU	22	18.0	31.8	31.8	26.0	22.0	32.5	42.6
M25PKEU	25	22.0	34.9	38.1	31.3	26.5	36.8	49.1

Bulk Head Reducer -PKBR



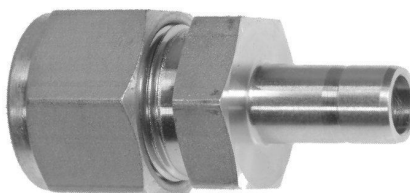
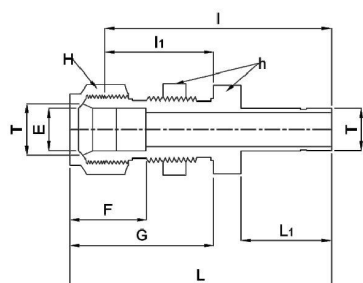
Fractional Tube to Fractional Port

Part No.	Tube O.D.(T)		E Min	h		H		F	G	I	I ₁	L	L ₁	Panel Hole Drill size	Max Panel Thickness
	in	Mm		in	mm	in	mm								
2PKBR	1/8	3.17	2.0	1/2	12.70	7/16	11.11	12.7	42.9	24.6	13.5	49.5	31.2	8.3	12.7
4PKBR	1/4	6.35	4.8	5/8	15.87	9/16	14.28	15.2	48.5	26.2	15.7	55.9	33.5	11.5	10.2
6PKBR	3/8	9.52	7.0	3/4	19.05	11/16	17.46	16.8	53.8	29.5	17.5	61.2	36.8	14.7	11.2
8PKBR	1/2	12.70	10.0	15/16	23.81	7/8	22.22	22.9	62.7	31.8	23.1	72.9	41.9	19.4	12.7

Metric Tube to Metric Port

Part No.	Tube O.D.T (mm)	E Min	h	H	A	B	I	I ₁	L	L ₁	Panel Hole Drill Size	Max Panel Thickness
M3PKBR	3	2.0	12.7	11.1	12.9	43.0	24.6	13.5	49.7	31.2	8.3	12.7
M6PKBR	6	4.8	15.9	14.3	15.3	48.5	26.2	15.9	55.9	33.6	11.5	10.2
M8PKBR	8	4.4	17.5	15.9	16.2	53.1	28.6	16.7	59.1	36.1	13.1	11.2
M12PKBR	12	10.0	23.8	22.2	22.8	62.7	31.8	23.0	72.9	41.9	19.4	12.7

Reducer -PKR



Fractional Tube to Fractional Port

Part No.	Tube O.D.				E Min	h		H		F	G	I	L
	T		T1			in	mm	in	mm				
	in	mm	in	mm									
2PKR-2	1/8	3.17	1/8	3.17	2.0	7/16	11.11	7/16	11.11	12.7	15.2	26.9	33.5
2PKR-3	1/8	3.17	3/16	4.76	2.3	7/16	11.11	7/16	11.11	12.7	15.2	27.7	34.3
2PKR-4	1/8	3.17	1/4	6.35	2.3	7/16	11.11	7/16	11.11	12.7	15.2	29.5	36.1
2PKR-6	1/8	3.17	3/8	9.52	2.3	7/16	11.11	7/16	11.11	12.7	15.2	31.0	37.6
2PKR-8	1/8	3.17	1/2	12.70	2.3	9/16	14.28	7/16	11.11	12.7	15.2	37.6	44.2
3PKR-2	3/16	4.76	1/8	3.17	2.0	7/16	11.11	7/16	12.70	13.7	16.0	28.2	34.8
3PKR-4	3/16	4.76	1/4	6.35	3.0	7/16	11.11	7/16	12.70	13.7	16.0	30.5	37.8
4PKR-2	1/4	6.35	1/8	3.17	2.0	1/2	12.70	9/16	14.28	15.2	17.8	29.5	36.8
4PKR-3	1/4	6.35	3/16	4.76	3.0	1/2	12.70	9/16	14.28	15.2	17.8	30.2	37.6
4PKR-4	1/4	6.35	1/4	6.35	4.8	1/2	12.70	9/16	14.28	15.2	17.8	31.8	39.1
4PKR-5	1/4	6.35	5/16	7.93	4.8	1/2	12.70	9/16	14.28	15.2	17.8	32.5	39.9
4PKR-6	1/4	6.35	3/8	9.52	4.8	1/2	12.70	9/16	14.28	15.2	17.8	33.3	40.6
4PKR-8	1/4	6.35	1/2	12.70	4.8	9/16	14.28	9/16	14.28	15.2	17.8	38.9	46.2
4PKR-10	1/4	6.35	5/8	15.87	4.8	11/16	17.46	9/16	14.28	15.2	17.8	40.6	48.0
4PKR-12	1/4	6.35	3/4	19.05	4.8	13/16	20.63	9/16	14.28	15.2	17.8	40.4	47.8
5PKR-6	5/16	7.93	3/8	9.52	6.4	9/16	14.28	5/8	15.87	16.3	18.5	34.5	41.9
5PKR-8	5/16	7.93	1/2	12.70	6.4	9/16	14.28	5/8	15.87	16.3	18.5	40.1	47.5
6PKR-4	3/8	9.52	1/4	6.35	4.8	5/8	15.87	11/16	17.46	16.8	19.3	34.0	41.4
6PKR-6	3/8	9.52	3/8	9.52	7.0	5/8	15.87	11/16	17.46	16.8	19.3	35.8	43.2
6PKR-8	3/8	9.52	1/2	12.70	7.0	5/8	15.87	11/16	17.46	16.8	19.3	41.1	48.5
6PKR-10	3/8	9.52	5/8	15.87	7.0	11/16	17.46	11/16	17.46	16.8	19.3	42.9	50.3
6PKR-12	3/8	9.52	3/4	19.05	7.0	13/16	20.63	11/16	17.46	16.8	19.3	42.9	50.3
8PKR-4	1/2	12.70	1/4	6.35	4.8	13/16	20.63	7/8	22.22	22.9	21.8	34.8	45.0
8PKR-6	1/2	12.70	3/8	9.52	7.0	13/16	20.63	7/8	22.22	22.9	21.8	36.6	46.7
8PKR-8	1/2	12.70	1/2	12.70	10.0	13/16	20.63	7/8	22.22	22.9	21.8	42.2	52.3
8PKR-10	1/2	12.70	5/8	15.87	10.0	13/16	20.63	7/8	22.22	22.9	21.8	43.7	53.8
8PKR-12	1/2	12.70	3/4	19.05	10.0	13/16	20.63	7/8	22.22	22.9	21.8	43.7	53.8
8PKR-16	1/2	12.70	1	25.40	10.0	1-1/16	26.98	7/8	22.22	22.9	21.8	50.0	60.2
10PKR-12	5/8	15.87	3/4	19.05	12.0	15/16	23.81	1	25.40	24.4	21.8	44.5	54.6
10PKR-14	5/8	15.87	7/8	22.22	12.0	15/16	23.81	1	25.40	24.4	21.8	46.0	56.1
10PKR-16	5/8	15.87	1	25.40	12.0	1-1/16	23.81	1	25.40	24.4	21.8	50.8	61.0
12PKR-8	3/4	19.05	1/2	12.70	10.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	44.5	54.6
12PKR-16	3/4	19.05	1	25.40	16.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	52.3	62.5

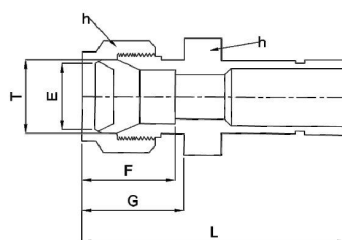
Metric Tube to Metric Port

Part No.	Tube O.D.		E Min	h	H	F	G	I	L
	T(mm)	T1(mm)							
M3PKR-M4	3	4	2.3	11.1	11.1	12.9	15.3	28.4	35.0
M3PKR-M6	3	6	2.3	11.1	11.1	12.9	15.3	29.5	36.1
M6PKR-M8	6	8	4.8	12.7	14.3	15.3	17.7	32.5	39.9
M6PKR-M10	6	10	4.8	12.7	14.3	15.3	17.7	33.3	40.7
M6PKR-M12	6	12	4.8	14.3	14.3	15.3	17.7	38.9	46.3
M8PKR-M6	8	6	4.8	14.3	15.9	16.2	18.6	32.8	40.3
M8PKR-M10	8	10	6.4	14.3	15.9	16.2	18.6	34.5	42.0
M8PKR-M12	8	12	6.4	14.3	15.9	16.2	18.6	40.1	47.6
M10PKR-M6	10	6	4.8	17.5	17.5	17.2	19.5	34.8	42.4
M10PKR-M12	10	12	8.0	17.5	17.5	17.2	19.5	42.2	49.8
M12PKR-M6	12	6	4.8	20.6	22.2	22.8	22.0	34.8	44.9
M12PKR-M10	12	10	8.0	20.6	22.2	22.8	22.0	36.6	46.7
M12PKR-M16	12	16	10.0	20.6	22.2	22.8	22.0	43.7	53.8
M12PKR-M18	12	18	10.0	20.6	22.2	22.8	22.0	43.7	53.8
M16PKR-M12	16	12	9.0	23.8	25.4	24.4	22.0	42.9	53.0
M18PKR-M12	18	12	9.0	27.0	30.2	24.4	22.0	44.5	54.8
M18PKR-M16	18	16	12.0	27.0	30.2	24.4	22.0	46.0	56.1
M20PKR-M16	20	16	12.0	30.2	31.8	26.0	22.0	47.8	57.9
M20PKR-M18	20	18	14.0	30.2	31.8	26.0	22.0	47.8	57.9
M22PKR-M20	22	20	15.0	30.2	31.8	26.0	22.0	49.3	59.4
M22PKR-M25	22	25	18.0	30.2	31.8	26.0	22.0	54.1	64.2
M25PKR-M25	25	18	14.0	34.9	38.1	31.3	26.5	50.8	63.1
M25PKR-M20	25	25	15.0	34.9	38.1	31.3	26.5	52.3	64.6

Metric Tube to Fractional Port

Part No.		Tube O.D.		E Min	h	H	F	G	I	L
	T(mm)	T1								
		in	Mm							
M3PKR-2	3	1/8	3.17	2.0	11.1	11.1	12.9	15.3	26.9	33.5
M3PKR-6	3	1/4	6.35	2.3	11.1	11.1	12.9	15.3	29.5	36.1
M6PKR-4	6	1/4	6.35	4.8	12.7	14.3	15.3	17.7	31.8	39.2
M6PKR-5	6	5/16	7.93	4.8	12.7	14.3	15.3	17.7	32.5	39.9
M6PKR-6	6	3/8	9.52	4.8	12.7	14.3	15.3	17.7	33.3	40.7
M6PKR-8	6	1/2	12.70	4.8	14.3	14.3	15.3	17.7	38.9	46.3
M8PKR-6	8	3/8	9.52	6.4	14.3	15.9	16.2	18.6	34.5	42.0
M8PKR-8	8	1/2	12.50	6.4	14.3	15.9	16.2	18.6	40.1	47.6
M10PKR-6	10	3/8	9.52	7.0	17.5	19.1	17.2	19.5	36.6	44.2
M10PKR-8	10	1/2	12.50	8.0	17.5	19.1	17.2	19.5	42.2	49.8
M12PKR-8	12	1/2	12.50	10.0	20.6	22.2	22.8	22.0	42.2	52.3
M12PKR-12	12	3/4	19.05	10.0	20.6	22.2	22.8	22.0	43.7	53.8
M18PKR-12	18	3/4	19.05	15.0	27.0	30.2	24.4	22.0	46.0	56.1
M18PKR-16	18	1	25.40	15.0	27.0	30.2	24.4	22.0	52.3	62.4

Tube Cap -PKC



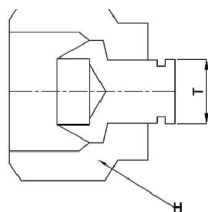
Fractional Tubes

Part No.	Tube O.D.		h		H		F	G	I	L
	in	mm	in	mm	in	mm				
2PKC	1/8	3.17	7/16	11.11	7/16	11.11	12.7	15.2	13.5	20.1
3PKC	3/16	4.76	7/16	11.11	1/2	12.70	13.7	16.0	14.7	21.3
4PKC	1/4	6.35	1/2	12.70	9/16	14.28	15.2	17.8	16.0	23.4
5PKC	5/16	7.93	9/16	14.28	5/8	15.87	16.3	18.5	17.0	24.4
6PKC	3/8	9.52	5/8	15.87	11/16	17.46	16.8	19.3	18.3	25.7
8PKC	1/2	12.70	13/16	20.63	7/8	22.22	22.9	21.8	19.1	29.2
10PKC	5/8	15.87	15/16	23.81	1	25.40	24.4	21.8	19.8	30.0
12PKC	3/4	19.05	1-1/16	26.98	1-1/8	28.57	24.4	21.8	21.3	31.5
14PKC	7/8	22.22	1-3/16	30.16	1-1/4	31.75	25.9	21.8	23.9	34.0
16PKC	1	25.40	1-3/8	34.92	1-1/2	38.10	31.2	26.4	26.2	38.4

Metric Tubes

Part No.	Tube O.D.(T)	h	H	F	G	I	L
M3PKC	3	11.1	11.1	12.9	15.3	13.5	20.1
M4PKC	4	11.1	12.7	13.7	16.1	14.7	21.3
M6PKC	6	14.3	14.3	15.3	17.7	15.7	23.1
M8PKC	8	14.3	15.9	16.2	18.6	17.0	24.5
M10PKC	10	17.5	19.1	17.2	19.5	19.0	26.6
M12PKC	12	20.6	22.2	22.8	22.0	19.0	29.1
M15PKC	15	23.8	25.4	24.4	22.0	19.8	29.9
M16PKC	16	23.8	25.4	24.4	22.0	19.8	31.9
M18PKC	18	27.0	30.2	24.4	22.0	21.3	31.4
M20PKC	20	30.2	31.8	26.0	22.0	23.9	34.0
M22PKC	22	30.2	31.8	26.0	22.0	23.9	34.0
M25PKC	25	34.9	34.9	31.3	26.5	26.2	38.5

Tube Plug -PKP



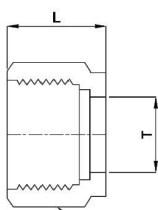
Fractional Tubes

Part No.	Tube O.D. (T)		H	
	in	mm	in	mm
2 PKP	1/8	3.17	7/16	11.11
3 PKP	3/16	4.76	1/2	12.70
4 PKP	1/4	6.35	9/16	14.28
5 PKP	5/16	7.93	5/8	15.87
6 PKP	3/8	9.52	11/16	17.46
8 PKP	1/2	12.70	7/8	22.22
10 PKP	5/8	15.87	1	25.40
12 PKP	3/4	19.05	1-1/8	28.57
14 PKP	7/8	22.22	1-1/4	31.75
16 PKP	1	25.40	1-1/2	38.10

Metric Tubes

Part No.	Tube O.D.T	H
M3PKP	3	11.1
M4PKP	4	12.7
M6PKP	6	14.3
M8PKP	8	15.9
M10PKP	10	19.1
M12PKP	12	22.2
M15PKP	15	25.4
M16PKP	16	25.4
M18PKP	18	30.2
M20PKP	20	31.8
M22PKP	22	31.8
M25PKP	25	38.1

Nut -PKN

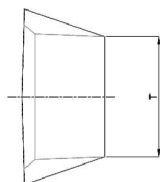


Fractional Tubes

Part No.	Tube O.D. (T)		H		L
	in	mm	in	mm	
2PKN	1/8	3.17	7/16	11.11	11.9
3PKN	3/16	4.76	1/2	12.70	11.9
4PKN	1/4	6.35	9/16	14.28	12.7
5PKN	5/16	7.93	5/8	15.87	13.4
6PKN	3/8	9.52	11/16	17.46	14.2
8PKN	1/2	12.70	7/8	22.22	17.5
10PKN	5/8	15.87	1	25.40	17.5
12PKN	3/4	19.05	1-1/8	28.57	17.5
14PKN	7/8	22.22	1-1/4	31.75	17.5
16PKN	1	25.40	1-1/2	38.10	20.6

Part No.	Tube O.D.T (mm)	H	L
M3PKN	3	11.1	11.9
M4PKN	4	11.1	11.9
M6PKN	6	14.3	12.7
M8PKN	6	15.9	13.4
M10PKN	10	19.1	15.1
M12PKN	12	22.2	17.5
M15PKN	15	25.4	17.5
M16PKN	16	25.4	17.5
M18PKN	18	30.2	17.5
M20PKN	20	31.9	17.5
M22PKN	22	31.9	17.5
M25PKN	25	38.1	20.6

Front Ferrule -PKFF



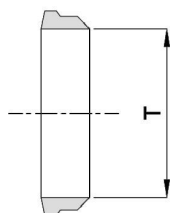
Fractional Tubes

Part No.	Tube O.D.	
	in	mm
2PKFF	1/8	3.17
3PKFF	3/16	4.76
4PKFF	1/4	6.35
5PKFF	5/16	7.93
6PKFF	3/8	9.52
8PKFF	1/2	12.70
10PKFF	5/8	15.87
12PKFF	3/4	19.05
14PKFF	7/8	22.22
16PKFF	1	25.40

Metric Tubes

Part No.	Tube O.D. T (mm)
M3PKFF	3
M4PKFF	4
M6PKFF	6
M8PKFF	8
M10PKFF	10
M12PKFF	12
M15PKFF	15
M16PKFF	16
M18PKFF	18
M20PKFF	20
M22PKFF	22
M25PKFF	25

Back Ferrule -PKBF



Fractional Tubes

Part No.	Tube O.D.	
	in	mm
2PKBF	1/8	3.17
3PKBF	3/16	4.76
4PKBF	1/4	6.35
5PKBF	5/16	7.93
6PKBF	3/8	9.52
8PKBF	1/2	12.70
10PKBF	5/8	15.87
12PKBF	3/4	19.05
14PKBF	7/8	22.22
16PKBF	1	25.40

Tubes

Metric

Part No.	Tube O.D. T (mm)
M3PKBF	3
M4PKBF	4
M6PKBF	6
M8PKBF	8
M10PKBF	10
M12PKBF	12
M15PKBF	15
M16PKBF	16
M18PKBF	18
M20PKBF	20
M22PKBF	22
M25PKBF	25

Pipe Fittings

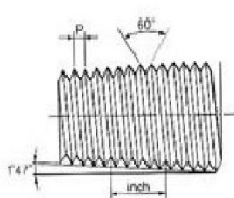
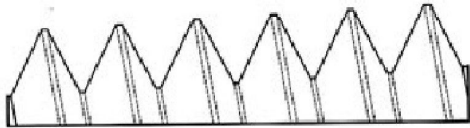
THREAD INFORMATION

Threads of many different kinds are used for different purposes in small piping components.

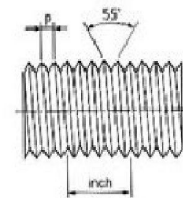
The Most common are:

The following are the more common types of pipe used in the small pipe industry.

1. NPT Tapered Pipe Threads
2. ISO 228/1 Parallel Pipe Threads



- 60° Thread Angle
- Taper Angle 1°47'
- Truncation of root and crest are flat.
- Pitch measured in inches

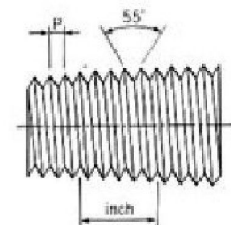
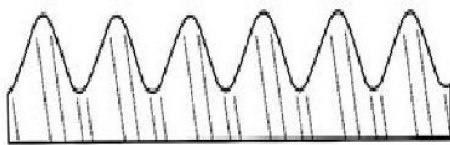


- 55° Thread Angle
- Diameter measured in inches
- Truncation of root and crest are round
- Pitch measured in inches

NPT (National Pipe Tapered) is made to specifications outlined in ANSI B1. 2. This is the pipe thread used on the pipe end

2. ISO 7/1 Tapered Pipe Threads

1/4.



- 60° Thread Angle
- Taper Angle 1°47'
- Truncation of root and crest are flat.
- Pitch measured in inches

International Organization for Standards (ISO 7/1) Tapered. (P.T.) ISO tapered threads are equivalent to DIN 2999. BSP TR, JIS B0203, R 1/8 and R 1/4 keg

In application ISO threads are used similar to NPT threads. However, care should be used that ISO and NPT threads are not mixed. ISO threads have a 55° angle versus 60° for NPT. Thread pitch is usually measured in millimeters but may be expressed in inch. In many sizes the threads-per-inch are different and the root and crest configurations are different from NPT

International Organization For Standards (ISO 228/1) parallel (PF ISO Parallel threads are equivalent to DIN ISO 228/1. BSP PL. JIS B0202, R 1/8 AND R

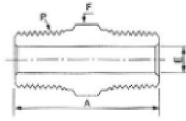
These pipe threads are similar in configuration to 7/1 thread except there is no taper. Therefore do not work by thread interference like the tapered pipe threads of ISO 7/1 of NPT. A gasket or O-Ring is normally used to seal into the parallel female threaded component

Comparison Chart- Pipe

Threads

Nominal Size	Threads Per Inch	Included Thread Angle	Pitch	Pipe O.D.
1/16"	NPT 27	60	.037"	.312"
	ISO 28	55	.036"	.312"
1/8"	NPT 27	60	.037"	.405"
	ISO 28	55	.036"	.398"
1/4"	NPT 18	60	.0556"	.540"
	ISO 19	55	.053"	.535"
3/8"	NPT 18	60	.0556"	.675"
	ISO 19	55	.053"	.672"
1/2"	NPT 14	60	.0714"	.840"
	ISO 14	55	.071"	.843"
3/4"	NPT 14	60	.0714"	1.050"
	ISO 14	55	.071"	1.060"
1"	NPT 11-1/2	60	.087"	1.315"
	ISO 11	55	.091"	1.331"
1-1/4"	NPT 11-1/2	60	.087"	1.660"
	ISO 11	55	.091"	1.669"
1-1/2"	NPT 11-1/2	60	.087"	1.900"
	ISO 11	55	.091"	1.900"
2"	NPT 11-1/2	60	.087"	2.375"
	ISO 11	55	.091"	2.375"

Hex Nipple-PKPHN



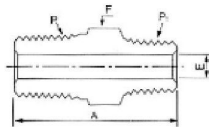
Order By Part no.	Pipe P-PT NPT	Dimensions		
		A	E	F
PKPHN2	1/8	25	4.8	7/16
PKPHN4	1/4	35	7.0	7/16
PKPHN6	3/8	36	10.0	11/16
PKPHN8	1/2	47	12.0	7/8
PKPHN12	3/4	47	16.0	1-1/8
PKPHN16	1	59	22.0	1-3/8

Hex Long Nipple-PKPHLN



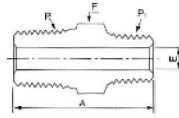
Order By Part No.	Pipe P-PT NPT	Dimensions		
		A	E	F
PKPHLN-2	1/8	100	4.8	7/16
PKPHLN-4	1/4	100	7.0	9/16
PKPHLN-6	3/8	100	10.0	11/16
PKPHLN-8	1/2	100	12.0	7/8
PKPHLN-12	3/4	100	16.0	1-1/16
PKPHLN-16	1	100	22.0	1-3/8

Long Nipple-PKPLN



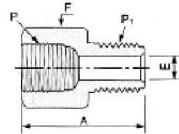
Order By Part No.	Pipe P-PT NPT	Dimensions		
		A	E	F
PKPLN-2	1/8	100	5.7	10.5Ø
PKPLN-4	1/4	100	7.8	13.8Ø
PKPLN-6	3/8	100	10.9	17.3Ø
PKPLN-8	1/2	100	14.3	21.7Ø
PKPLN-12	3/4	100	19.4	27.2Ø
PKPLN-16	1	100	25.0	34.0Ø

Hex Reducing Nipple-PKPHRN



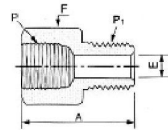
Order By Part No.	Pipe Size		Dimensions		
	P-PT.NPT	P-PT.NPT	A	E	F
4PKPHRN-2	1/4	1/8	31	4.8	9/16
6PKPHRN-4	3/8	1/4	36	7.0	11/16
8PKPHRN-4	1/2	1/4	42	7.0	7/8
8PKPHRN-6	1/2	3/8	42	10.0	7/8
12PKPHRN-6	3/4	3/8	44	10.0	1-1/16
12PKPHRN-8	3/4	1/2	49	12.0	1-1/16
16PKPHRN-8	1	1/2	54	12.0	1-3/8
16PKPHRN-12	1	3/4	54	16.0	1-3/8

Adopter-PKPA



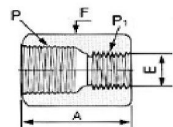
Order By Part No.	Pipe P-PT NPT	Dimensions		
		A	E	F
PKPA-2	1/8	28	4.8	9/16
PKPA-4	1/4	33	6.5	3/4
PKPA-6	3/8	36	10.0	7/8
PKPA-8	1/2	45	12.0	1-1/16
PKPA-12	3/4	50	16.0	1-1/4
PKPA-26	1	58	22.0	1-5/8

Reducing Adapter -PKPRA



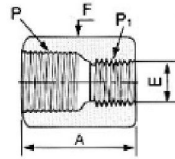
Order By Part No.	Pipe Size		Dimensions		
	P-PT.NPT	P-PT.NPT	A	E	F
4PKPRA-2	1/4	1/8	30	4.8	3/4
6PKPRA-4	3/8	1/4	35	6.5	7/8
8PKPRA-4	1/2	1/4	39	6.5	1-1/16
8PKPRA-6	1/2	3/8	41	10.0	1-1/16
12PKPRA-6	3/4	3/8	44	10.0	1-1/4
12PKPRA-8	3/4	1/2	48	12.0	1-1/4
16PKPRA-8	1	1/2	52	12.0	1-5/8
16PKPRA-12	1	3/4	55	16.0	1-5/8

Reducing Coupling -PKPRC



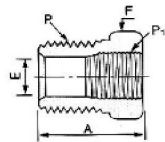
Order By Part No.	Pipe Size		Dimension		
	P-PT.NPT	P-PT.NPT	A	E	F
4 PKPRC-2	1/4	1/8	30	8.0	3/4
6 PKPRC-4	3/8	1/4	30	11.0	7/8
8 PKPRC-4	1/2	1/4	40	11.0	1-1/16
8 PKPRC-6	1/2	3/8	40	15.0	1-1/16
12 PKPRC-6	3/4	3/8	42	15.0	1-1/4
12 PKPRC-8	3/4	1/2	42	18.0	1-1/4
16 PKPRC-8	1	1/2	51	18.0	1-5/8
16 PKPRC-12	1	3/4	51	22.0	1-5/8

Coupling -PKPC



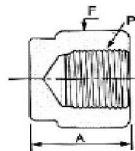
Order By Part No.	Pipe P-PT NPT	Dimensions		
		A	E	F
PKPC-2	1/8	21	8.0	9/16
PKPC-4	1/4	30	11.0	3/4
PKPC-6	3/8	30	15.0	7/8
PKPC-8	1/2	40	18.0	1-1/16
PKPC-12	3/4	42	22.0	1-1/4
PKPC-26	1	51	25.0	1-5/8

Reducing Bushing -PKPRB



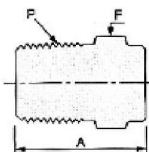
Order By Part No.	Pipe Size		Dimensions		
	P-PT.NPT	P-PT.NPT	A	E	F
4PKPRB-2	1/4	1/8	22	8.0	9/16
6PKPRB-4	3/8	1/4	23	11.0	11/16
8PKPRB-4	1/2	1/4	28	11.0	7/8
8PKPRB-6	1/2	3/8	28	15.0	7/8
12PKPRB-4	3/4	1/4	31	11.0	1-1/16
12PKPRB-6	3/4	3/8	31	15.0	1-1/16
12PKPRB-8	3/4	1/2	31	18.0	1-1/16
16PKPRA-8	1	1/2	35	18.0	1-3/8
16PKPRA-12	1	3/4	35	22.0	1-3/8

Pipe Cap -PKPCB



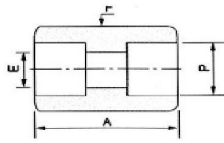
Order By P-PT NPT	Pipe P-PT NPT	Dimensions	
		A	F
PKPCP-2	1/8	19	9/16
PKPCP-4	1/4	23	3/4
PKPCP-6	3/8	23	7/8
PKPCP-8	1/2	34	1-1/16
PKPCP-12	3/4	34	1-1/4
PKPCP-16	1	41	1-5/8

Pipe Plug -PKPPG



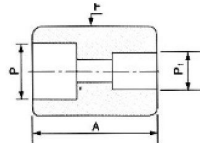
Order By Part No.	Pipe P-PT NPT	Dimensions	
		A	F
PKPPG-2	1/8	19	7/16
PKPPG-4	1/4	24	9/16
PKPPG-6	3/8	25	11/16
PKPPG-8	1/2	31	7/8
PKPPG-12	3/4	31	1-1/16
PKPPG-16	1	38	1-3/16

Coupling S.W. Type-PKPCW



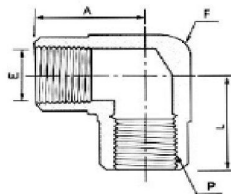
Order By Part No.	Pipe Size		Dimensions		
	NOM Size	P-SW	A	E	F
8PKPCW-8	1/2	22.2	29.5	14.0	32Ø
12PKPCW-12	3/4	27.7	35.5	19.0	38Ø
16PKPCW-16	1	34.5	38.7	25.0	46Ø

Reducing Coupling S.W.Type-PKPRCW



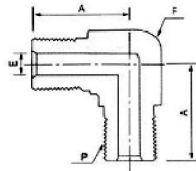
Order By Part No.	Pipe Size			Dimensions		
	MON Size	P1-SW	P-SW	A	E	F
12PKPRCW-8	3/4 x 1/2	22.7	22.2	32.5	14.0	38Ø
16PKPRCW-8	1 x 1/2	34.5	22.2	35.7	14.0	46Ø
12PKPRCW-13	1x 3/4	34.5	22.2	38.7	19.0	46Ø

Female Elbow -PKPFE



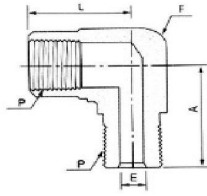
Order By Part No.	Pipe P-PT NPT	Dimensions		
		A	E	F
PKPFE - 2	1/8	26.4	8.6	1/2
PKPFE - 4	1/4	29.7	11.4	11/16
PKPFE - 6	3/8	36.0	14.9	13/16
PKPFE - 8	1/2	39.6	18.5	1

Male Elbow -PKPME



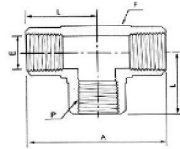
Order By Part No.	Pipe P-PT NPT	Dimensions		
		A	E	F
PKPME-2	1/8	19.5	4.8	7/16
PKPME-4	1/4	23.4	7.0	1/2
PKPME-6	3/8	28.0	10.0	13/16
PKPME-8	1/2	36.8	12.0	13/16

Street Elbow-PKPSE



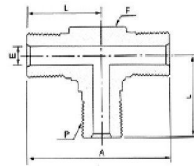
Order By Part No.	Pipe P-PT NPT	Dimensions			
		A	E	L	F
PKPSE -2	1/8	26.4	26.4	4.8	7/16
PKPSE -4	1/4	29.7	29.7	7.0	1/2
PKPSE -6	3/8	36.0	36.0	10.0	11/16
PKPSE -8	1/2	39.6	39.6	12.0	13/16

Female Tee-PKPFT



Order By Part No.	Pipe P-PT NPT	Dimensions			
		A	E	L	F
PKPFT -2	1/8	46	8.6	23	1/2
PKPFT -4	1/4	46	11.4	23	11/16
PKPFT -6	3/8	52	14.9	26	13/16
PKPFT -8	1/2	60	18.5	30	1

Male Tee-PKPMT



Order By Part No.	Pipe P-PT NPT	Dimensions			
		A	E	L	F
PKPMT -2	1/8	39.0	4.8	19.5	7/16
PKPMT -4	1/4	53.3	7.0	21.5	9/16
PKPMT -6	3/8	56.0	10.0	28.0	11/16
PKPMT -8	1/2	73.6	12.0	36.8	13/16

Needle Valves

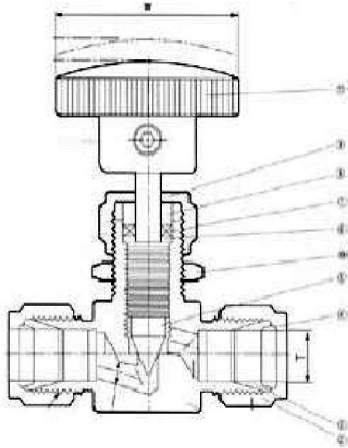
FORGED INTEGRAL BONNET NEEDLE VALVES

SPECIFICATION

- 1. CONNECTION : PRECILOK TUBE FITTING
- 2. MAX OPERATION TEMPERATURE : -50°c ~ +232°
- 3. MAX OPERATION PRESSURE
 ASTM A182 F316 : 5000PSIG
 BRASS : 3000PSIG
- 4. AVAILABLE WITH PLASTIC OR SS/ALUMINIUM
 BAR HANDLES.
- 5. SIZE RANGE 1/8" UPTO 1"



No.	Description		SS316 Valves	Brass Valves
1	Body		316SS	Brass
2	Nut		316SS	Brass
3	Front Ferrule		316SS	Brass
4	Back Ferrule		316SS	Brass
5	Stem		316SS	316SS
6	Packing Ring		316SS	Brass
7	Packing		TFE	TFE
8	Packing Gland		316SS	Brass
9	Packing Nut		316SS	Brass
10	Lock Nut		316SS	Brass
11	Handle	Standard	P.C.	P.C.
		Alternative	316SS (BAR)	Brass (Bar)



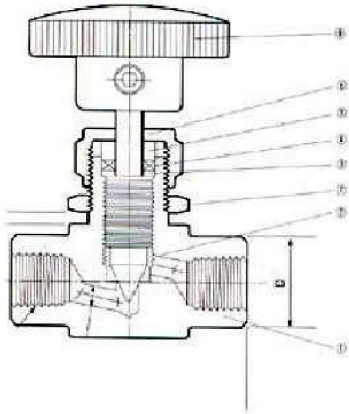
FORGED INTEGRAL BONNET NEEDLE VALVES

SPECIFICATION

- 1. CONNECTION : FEMALE THREAD (BSP/NPT)
- 2. MAX OPERATION TEMPERATURE : -50°c ~ +232°
- 3. MAX OPERATION PRESSURE
 - ASTM A182 F316 : 5000PSIG
 - BRASS : 3 000PSIG
- 4. AVAILABLE WITH PLASTIC/SS BAR HANDLES
- 5. SIZE RANGE 1/8" UPTO 1"



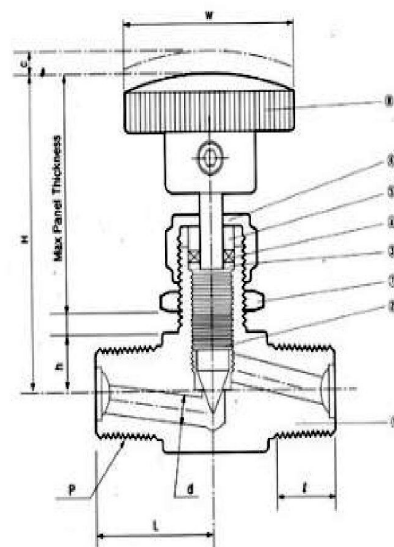
No.	Description		SS316 Valves	Brass Valves
1	Body		316SS	Brass
2	Stem		316SS	316SS
3	Packing Ring		316SS	Brass
4	Packing		TFE	TFE
5	Packing Gland		316SS	Brass
6	Packing Nut		316SS	Brass
7	Lock Nut		316SS	Brass
8	Handle	Standard	P.C.	P.C.
		Alternative	316SS (BAR)	Brass (Bar)



FORGED INTEGRAL BONNET NEEDLE VALVES

SPECIFICATION

1. CONNECTION : MALE THREAD (BSP/NPT)
2. MAX OPERATION TEMPERATURE : -50°C ~ +232°
3. MAX OPERATION PRESSURE
ASTM A182 F316 : 5000PSIG
4. AVAILABLE WITH PLASTIC/SS BAR HANDLES
5. SIZE RANGE 1/8" UPTO 1



No	Description	SS316 Valves	Brass Valves
1	Body	316SS	Brass
2	Stem	316SS	316SS
3	Packing Ring	316SS	Brass
4	Packing	TFE	TFE
5	Packing Gland	316SS	Brass
6	Packing Nut	316SS	Brass
7	Lock Nut	316SS	Brass
8	Handle	Standard	P.C.
		Alternative	316SS (BAR) Brass (Bar)

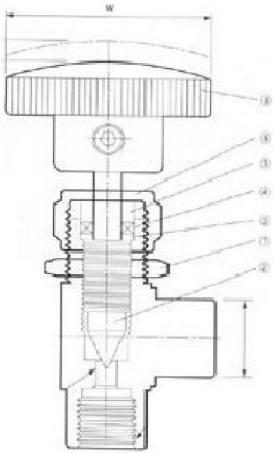
FORGED INTEGRAL BONNET ANGLE TYPE VALVES

SPECIFICATION

1. CONNECTION : FEMALE THREAD (BSP/NPT)
2. MAX OPERATION TEMPERATURE : -50°c ~ +232°
3. MAX OPERATION PRESSURE
 ASTM A182 F316 : 5000PSIG
 BRASS : 3000PSIG
4. AVAILABLE WITH PLASTIC OR SS/ALUMINIUM
 BAR HANDLES.
5. SIZE RANGE 1/8" UPTO 1"



No.	Description		SS316 Valves	Brass Valves
1	Body		316SS	Brass
2	Stem		316SS	316SS
3	Packing Ring		316SS	Brass
4	Packing		TFE	TFE
5	Packing Gland		316SS	Brass
6	Packing Nut		316SS	Brass
7	Lock Nut		316SS	Brass
8	Handle	Standard	P.C.	P.C.
		Alternative	316SS (BAR)	Brass (Bar)



Manifolds

2-VALVE MANIFOLD

2-Valve Manifold

PRECILOK 2 -V valve Manifolds offer safety and reliability in a general purpose design. The simple 2- Valve C onfiguration allows for easy block, bleed and calibration of a static pressure transmitter or g auge. Valves are available with either metal seats or replaceable soft seat inserts. Connections are 1/2 female NPT on all three ports.

Specification

- Connection: 1/2" Female NPT to 1/2" Female NPT
- One-piece, high strength body construction for safety no welding used.
- Stems feature an non- rotating top with an easily replaceable soft insert.
- Bonnet lock pin prevents accidental valve disassembly.
- 316 stainless steel construction for superior corrosion resistance
- Bonnet-to-body seals are metal-to-metal-no O-Rings used.
- Mounting holes provided for self supporting applications
- 100% pressure tested for shut-off and at all seals
- Manifolds feature at 4:1 safety factor

No.	Component	Material Specification
1	Handle	Stainless Steel
2	Handle Pin	
3	Set Screw	Stainless Steel
4	Packing Nut	Stainless Steel
5	Upper Gland	TFE / Grafoil
6	Packing	
7	Lower Gland	316SS
8	Bonnet	
9a	Steam (Needle Tip)	
9b	Steam (Vee Tip)	
10	Soft Seat (Vee Tip)	Delrin
11	Cap Screw	
12	Lock Plate	Stainless Steel
13	Manifold	316SS



3-VALVE MANIFOLD

3-Valve Manifold

The PRECILOK Pipe to Pipe 3-Valve Manifold is a general purpose design for connection system impulse lines and transmitters. This manifold consists of two block Valves and an equalizer valve. Connection are 1/2" Female NPT on 2-1/8" (54mm) center for safety, bonnet lock pin is standard.

Specification

- Connection: 1/2" Female NPT to 1/2" Female NPT
- One-piece, high strength body construction for safety no welding used.
- 316 stainless steel construction for superior corrosion resistance
- Bonnet lock pin prevents accidental valve disassembly.
- 2-1/8" (54mm) Port centerline dimension for proper alignment.
- 100% pressure tested for shutoff and at all seals
- Manifolds feature at 4:1 safety factor

No.	Component	Material Specification
1	Handle	Stainless Steel
2	Handle Pin	
3	Set Screw	Stainless Steel
4	Lock Nut	
5	Packing Bolt	316SS
6	Packing Support	Reinforced TFE
7	Packing	TFE/ Grafoil
8	Bonnet	316SS
9a	Steam (Needle Tip)	
9b	Steam (Plug Tip)	Delrin
10	Seat (Plug Tip)	
11	Lock Plate	Stainless Steel
12	Cap Screw	
13	Manifold Body	316SS



5-VALVE MANIFOLD

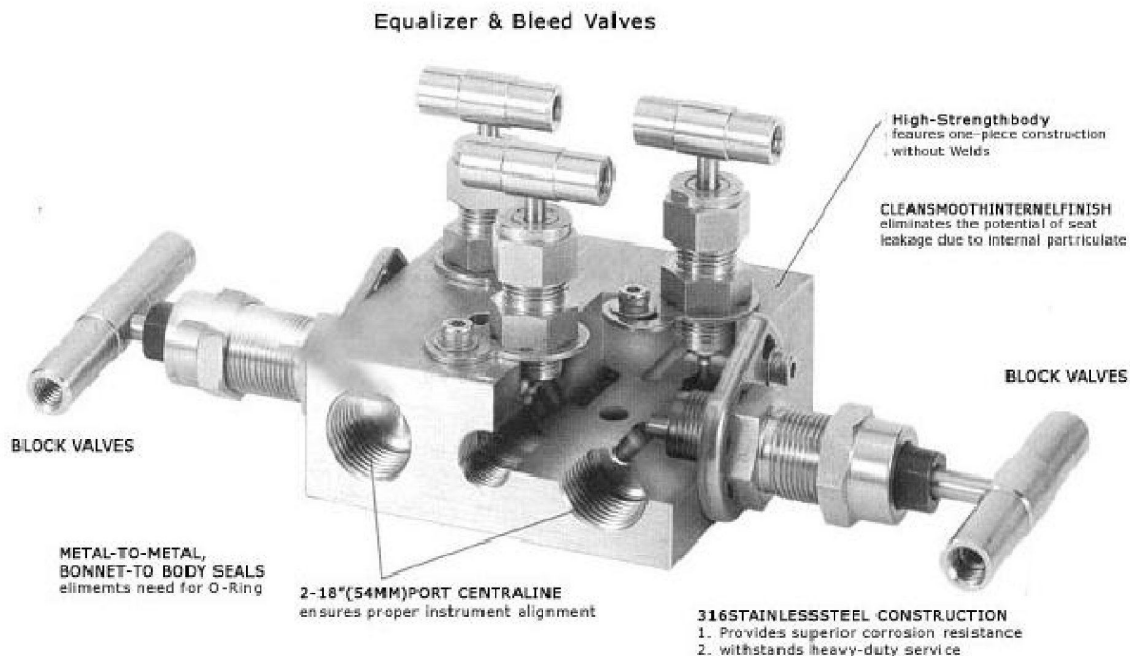
5-Valve Manifold

5-Valve Manifold offer two mainline block valves and a double block and bleed valve for the equalizer line. The manifold is primarily intended for gas service and is used to connect differential pressure transmitters to system flow meters. Connections are 1/2" Female NPT on 2-1/8" (54mm) centres Standard feature include two 1/4" NPT static pressure connections on the instrument side and one 1/4" NPT vent connection from the bleed valve



Specification

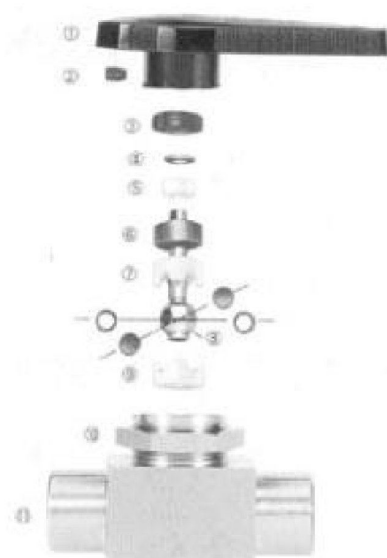
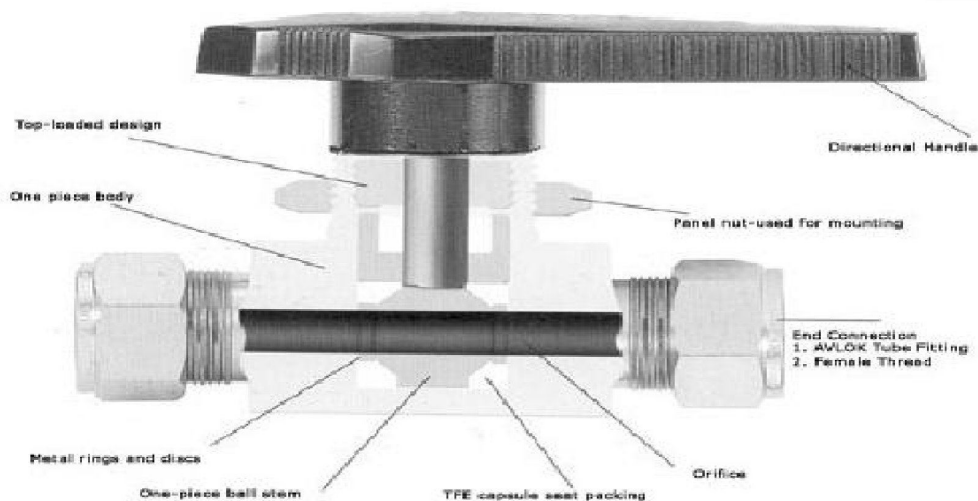
- Connection: 1/2" Female NPT to 1/2" Female NPT
- One-piece, high strength body construction for safety no welding used.
- Bonnet lock pin prevents accidental valve disassembly.
- 2-1/8" (54mm) Port centerline dimension for proper alignment.
- 100% pressure tested for shut-off and at all seals
- 316 stainless steel construction for superior corrosion resistance
- Bonnet-to-body seals are metal-to-metal. No O-Rings are used.
- Manifolds feature a 4:1 safety factor



BALL VALVES

SPECIFICATION

1. CONNECTION : AVLOK TUBE FITTING FEMALE THREAD
2. OPERATION TEMPERATURE : -10°C ~ +65°C (50°F ~ 150°F)
3. MAX OPERATION PRESSURE : ASTM A82 F316 : 3000 PSIG (206 BAR)
4. SIZE RANGE 1/8" UPTO 1"
5. AVAILABLE IN S.S. AND BRASS

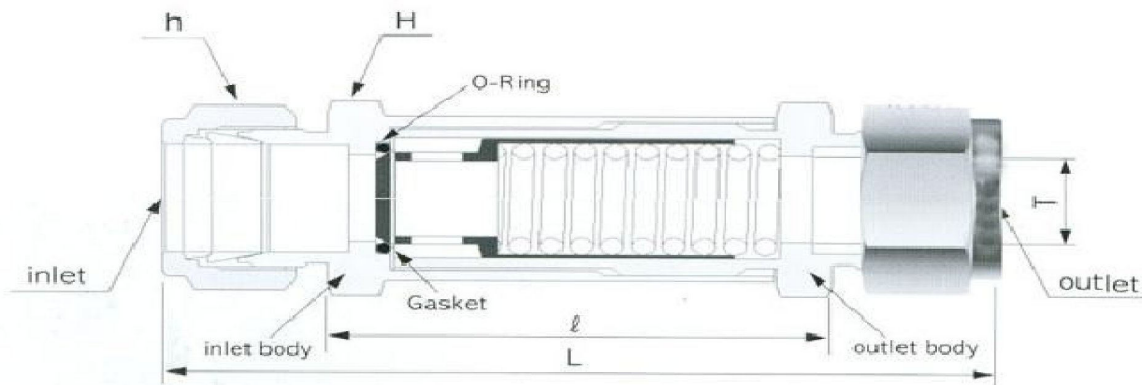


No.	Description	SS316
1	Handle	Nylon
2	Set Screw	Steel
3	Packing Bolt	316SS
4	Upper Gland	316SS
5	Bushing	TFE
6	Lower Gland	316SS
7	Upper Packing	TFE
8	Ball Stem	316SS
9	Side Disk	316SS
10	Lower Packing	TFE
11	Panel Nut	304SS
12	Body	316SS

Lubrication Silicon base lubricant

CHECK VALVES**PRECILOK CHECK / NON -RETURN VALVES****FEATURES:**

- Available in SS316 and Brass
- Working pressure upto 3000 PSIG.
- Temperature rating -20°C to 190°C with viton seal.
- Cracking pressure 1, 10, 25 PSIG available.
- Available in PRECILOCK, male/female (BSP/NPT Threads)
- Sizes range 1/8" upto 1"



Material of Construction:

Body - SS316/Brass

O-Ring - Viton

Gasket - SS316

Popet - SS316

Spring - SS31

The logo for PRECIOLOK, featuring the word "PRECIOLOK" in a bold, orange, sans-serif font. The text is enclosed within a white rectangular box with a thin blue border. The background of the entire page is composed of large, overlapping geometric shapes in light gray, orange, and blue.

PRECIOLOK

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