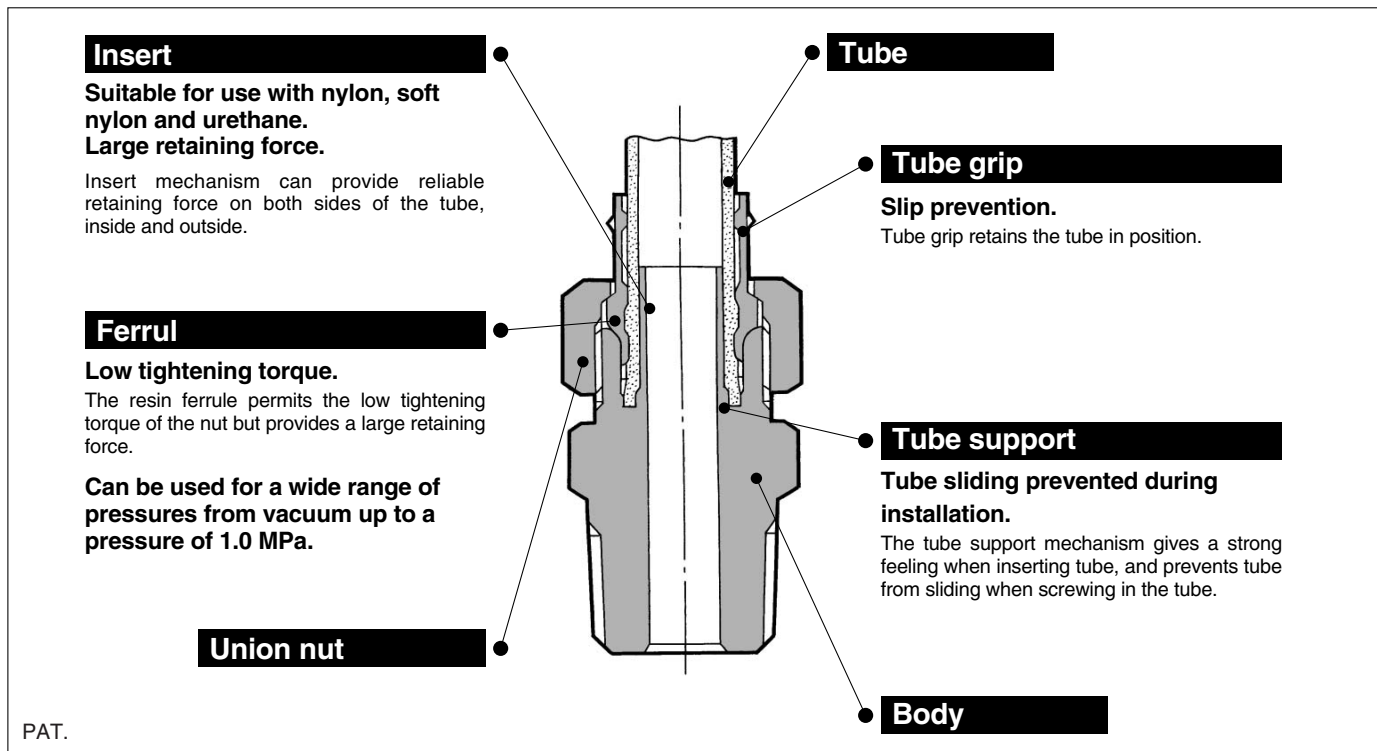
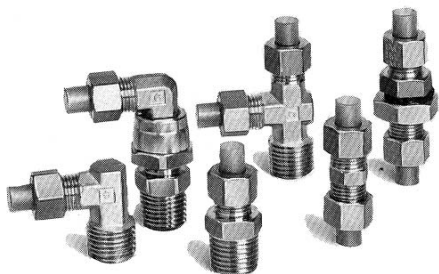


Insert Fittings Series KF



Applicable for nylon, soft nylon and polyurethane tubing.

Designed for improvement of workability with low clamping torque.



Applicable Tubing

Tubing size	O.D.	4	6	8	10	12			
	I.D.	2.5	4	5	6	6.5	7.5	8	9
Nylon tubing		●	●	—	●	—	●	—	●
Soft nylon tubing		●	●	—	●	—	●	—	●
Polyurethane tubing		●	●	◎(Note)	—	◎(Note)	—	◎(Note)	—

Note) "◎" mark (polyurethane tubing ø8, ø10, ø12) are provided with the captive styles because of different I.D.

Specifications

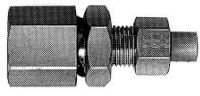
Fluid	Air	
Maximum operating pressure	1.0 MPa	
Operating vacuum pressure	-101.3 kPa	
Proof pressure	7.0 MPa	
Ambient and fluid temperature	-5 to 60°C (No freezing)	
Thread	Mounting section	JIS B 0203 (Taper thread for piping)
	Nut section	JIS B 0211 Class 2 (Metric fine thread)
Seal (Thread portion) ^{Note)}	None or with seal	

Note) Male elbow, Male branch tee and Male run tee with sealant are manufactured upon receipt of order. Suffix "S" to the end of part number if W/ seal is desired.

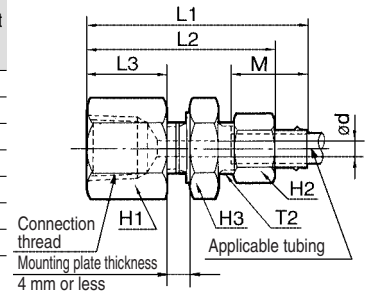
Principal Parts Material

Body	C3604BD, C3771BE
Nut	C3604BD
Ferrul	Nylon 66

Bulkhead Connector: KFE



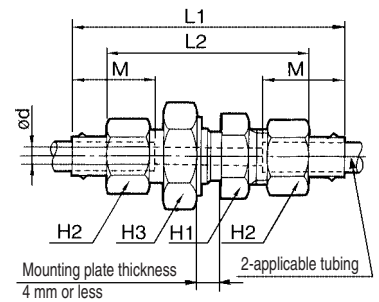
Applicable tubing (mm)		Connection thread Rc	Model	H1 (width across flats)	H2 (width across flats)	H3 (width across flats)	L1	L2	L3	M	ød	T2	Mounting hole	Effective area (mm ²)	Weight (g)
O.D.	I.D.														
6	4	1/4	KFE06-02	17	12	17	44.2	37.5	16	15.2	3	M10 x 1	11	6	41
8	5		KFE08U-03	19	14	19	46.2	39.5	17	16.2	4	M12 x 1	13	11	49
8	6	3/8	KFE08N-03								5			17	50
10	6.5		KFE10U-03	19	17	22	48.8	41.5	17	18.8	5.5	M15 x 1	16	21	63
	7.5	KFE10N-03								6.5				30	62
12	8	3/8	KFE12U-03	22	19	24	51.3	44.5	17	19.3	7	M17 x 1	18	35	93
	9		KFE12N-03								8				45



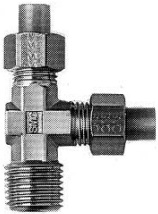
Bulkhead Union: KFE



Applicable tubing (mm)		Model	H1 (width across flats)	H2 (width across flats)	H3 (width across flats)	L1	L2	M	ød	Mounting hole	Effective area (mm ²)	Weight (g)
O.D.	I.D.											
4	2.5	KFE04-00	12	10	13	50.9	37.6	15.5	1.5	9	1.6	23
6	4	KFE06-00	14	12	17	51.3	38	15.2	3	11	6	34
8	5	KFE08U-00	17	14	19	52.3	39	16.2	4	13	11	47
	6											
10	6.5	KFE10U-00	19	17	22	56.6	42	18.8	5.5	16	21	67
	7.5											
12	8	KFE12U-00	22	19	24	59.5	46	19.3	7	18	35	87
	9											
									8		45	85

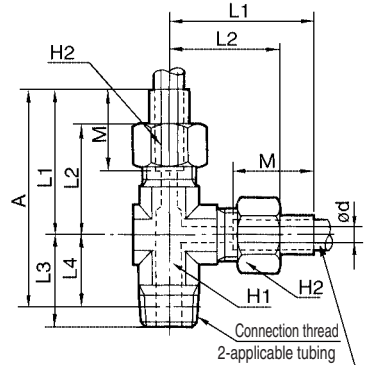


Male Run Tee: KFY



Applicable tubing (mm)		Connection thread R	Model	H1 (width across flats)	H2 (width across flats)	L1	L2	L3	L4*	M	ød	A*	Effective area (mm ²)	Weight (g)							
O.D.	I.D.																				
4	2.5	1/8	KFY04-01	10	10	27.5	20.8	17	13	15.5	1.5	40.5	3.5	28							
		1/4	KFY04-02											19	32						
6	4	1/8	KFY06-01	10	12	27.2	20.5	17	13	15.2	3	40.2	11	31							
		1/4												KFY06-02	19	37					
		3/8	KFY06-03					22	15.7					45.8	13	51					
8	5	1/8	KFY08U-01	12	14	30.2	23.5	20	16	16.2	4	46.2	15	48							
		1/4	KFY08U-02					23	17					47.2	21	50					
		3/8	KFY08U-03					22	15.7					45.8	15	55					
	6	1/8	KFY08N-01					20	16					16.2	5	46.2	18	47			
		1/4	KFY08N-02					23	17										47.2	27	48
		3/8	KFY08N-03					22	15.7												
10	6.5	1/4	KFY10U-02	12	17	31.8	24.5	23	17	18.8	5.5	48.8	30	58							
		3/8	KFY10U-03					22	15.7					47.4	38	89					
		1/2	KFY10U-04					33.8	26.5								27	18.8	52.6	38	89
	7.5	1/4	KFY10N-02			12	17	31.8	24.5		23	17	18.8	6.5	47.4	33	57				
		3/8	KFY10N-03			22					15.7	47.4					33	62			
		1/2	KFY10N-04			33.8					26.5								27	18.8	52.6
12	8	1/4	KFY12U-02	14	19	34.3	27.5	25	19	19.3	7	53.3	34	79							
		3/8	KFY12U-03					24	17.7					51.9	49	79					
		1/2	KFY12U-04					27	18.8								53.1	49	93		
	9	1/4	KFY12N-02					25	19		19.3	8	53.3	36	76						
		3/8	KFY12N-03					24	17.7							51.9	78				
		1/2	KFY12N-04					27	18.8									53.1	54	92	

* Reference dimensions after R thread installation.



Plug: KFP



Applicable fitting (mm)	Model	L	øD	Weight (g)
4	KFP-04	12	6.5	0.3
6	KFP-06	12	8.5	0.5
8	KFP-08	12	10.4	0.7
10	KFP-10	13.5	13	1.0
12	KFP-12	14	15	1.4

