

Self-align Fittings

Series *H/DL/L/LL*

Flared ridge ferrule

Prevents accidental loss of ferrule when inserting tubing into the fitting body.

Hardened ridge ferrule

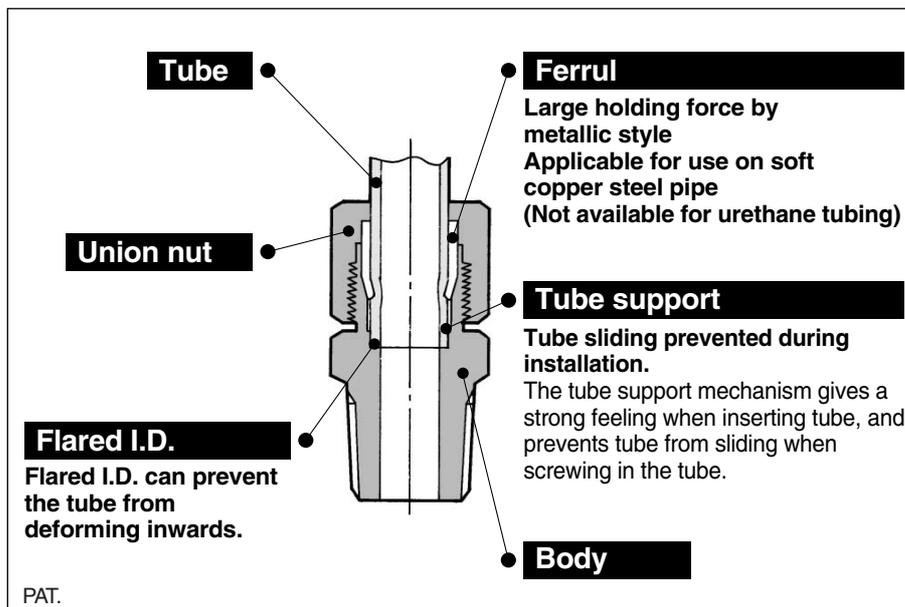
Prevents breakage of ferrule when tightening nut.

Flared I.D.

Provides low flow resistance inside the fitting.

Wide variety of styles and sizes

Ten styles and five tube O.D's provide a wide range of fittings that will fit any application.



Specifications

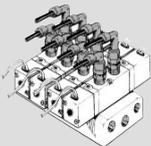
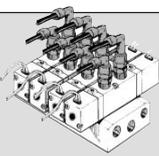
Applicable tubing material		Nylon, Soft nylon, Soft copper steel pipe (C1220T-0)
Applicable tubing O.D.		ø4, ø6, ø8, ø10, ø12
Maximum operating pressure		1.0 MPa
Proof pressure		10 MPa
Fluid		Air
Thread	Mounting section	JIS B 0203 (Taper thread for piping)
	Nut section	JIS B 0211 Class 2 (Metric fine thread)
Seal (Thread portion) ^{Note)}		None or with seal



Note) Male elbow, Male branch tee, Male run tee with seal is 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	C2700T

Model	
Male connector H  P. 62 Use to pipe in the same direction from female thread. Most general style.	Male run tee DY  P. 63 Use to branch line in the same direction from female thread and in 90° direction.
Male elbow DL  P. 62 Use to pipe at right angles to female thread. Most general style.	Bulkhead union DE  P. 63 Use to connect tubes through a panel.
Union tee DT  P. 62 Use to connect tubes in both 90° directions.	Bulkhead connector DEF  P. 63 Use to connect male head and tube through a panel.
Female connector DHF  P. 63 Use to pipe from male thread such as pressure gauge.	Plug DP  P. 64 Use to plug unused fittings.
Male branch tee DT  P. 64 Use to branch line from female thread in both 90° directions.	
Swivel elbow L  P. 64 Use to pipe at right angles to female thread. Swiveled at any direction.	
Swivel extended elbow LL  P. 64 Use to pipe at right angles to female thread. Swiveled at any direction. Solid piece moves fittings up from workpiece.	

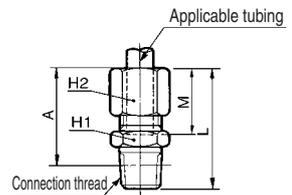
- K
- M
- H
- D
- MS
- T
- VMG

Series H/DL/L/LL

Male Connector: H

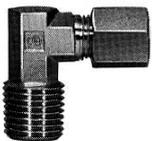


Applicable tubing O.D. (mm)	Connection threads R	Model	H1 (width across flats)	H2 (width across flats)	L	M	A*	Effective area (mm ²)	Weight (g)
4	1/8	H04-01	10	10	25.1	15	21.1	4	10
	1/4	H04-02	14		29.1		23.1		17
6	1/8	H06-01	10	12	25.1	16	21.1	11	12
	1/4	H06-02	14		29.1		23.1		19
	3/8	H06-03	17		31.1		24.8		31
8	1/8	H08-01	12	14	25.1	16	21.1	20	16
	1/4	H08-02	14		29.1		23.1		21
	3/8	H08-03	17		31.1		24.8		30
10	1/4	H10-02	14	17	29.1	17	23.1	34	28
	3/8	H10-03	17		31.1		24.8		37
	1/2	H10-04	22		34.1		25.9		53
12	1/4	H12-02	17	19	30.1	17	24.1	51	30
	3/8	H12-03	17		31.1		24.8		39
	1/2	H12-04	22		34.1		25.9		59

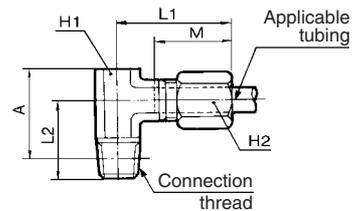


* Reference dimensions after R thread installation.

Male Elbow: DL

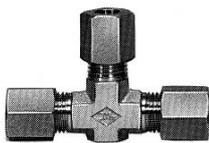


Applicable tubing O.D. (mm)	Connection threads R	Model	H1 (width across flats)	H2 (width across flats)	L1	L2	M	A*	Effective area (mm ²)	Weight (g)
4	1/8	DL04-01	10	10	23.5	17	15	19.6	3.5	23
	1/4	DL04-02				19				30
6	1/8	DL06-01	10	12	23.5	17	16	19.6	9	25
	1/4	DL06-02				19				31
	3/8	DL06-03				14				26.5
8	1/8	DL08-01	12	14	24.5	18	16	21.6	19	32
	1/4	DL08-02				21				38
	3/8	DL08-03				14				26.5
10	1/4	DL10-02	14	17	26.5	23	17	25.8	31	51
	3/8	DL10-03				22				57
	1/2	DL10-04				17				28.5
12	1/4	DL12-02	17	19	28.5	25	17	29.6	43	76
	3/8	DL12-03				26				85
	1/2	DL12-04				27				29.4

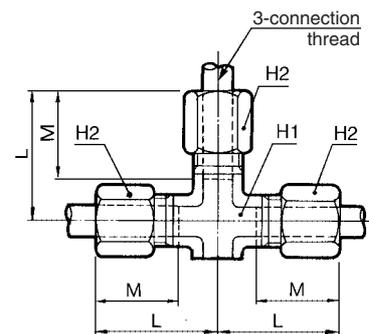


* Reference dimensions after R thread installation.

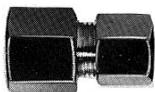
Union Tee: DT



Applicable tubing O.D. (mm)	Model	H1 (width across flats)	H2 (width across flats)	L	M	Effective area (mm ²)	Weight (g)
4	DT04-00	10	10	23.5	15	5.7	32
6	DT06-00	10	12	23.5	16	14	36
8	DT08-00	12	14	24.5	16	25	47
10	DT10-00	14	17	26.5	17	49	70
12	DT12-00	17	19	28.5	17	55	70



Female Connector: DHF



Applicable tubing O.D. (mm)	Connection threads Rc	Model	H1 (width across flats)	H2 (width across flats)	L1	L2	M	Effective area (mm ²)	Weight (g)
4	1/4	DHF04-02	17	10	30.3	16	15	4	27
6	1/4	DHF06-02	17	12	30.8	16.5	16	11	28
	3/8	DHF06-03			32.8	18.5			31
8	1/4	DHF08-02	17	14	29.8	15.5	16	20	30
10	1/4	DHF10-02	17	17	30.8	16.5	17	34	37
12	1/4	DHF12-02	17	19	30.8	16.5	17	51	40

