

# 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

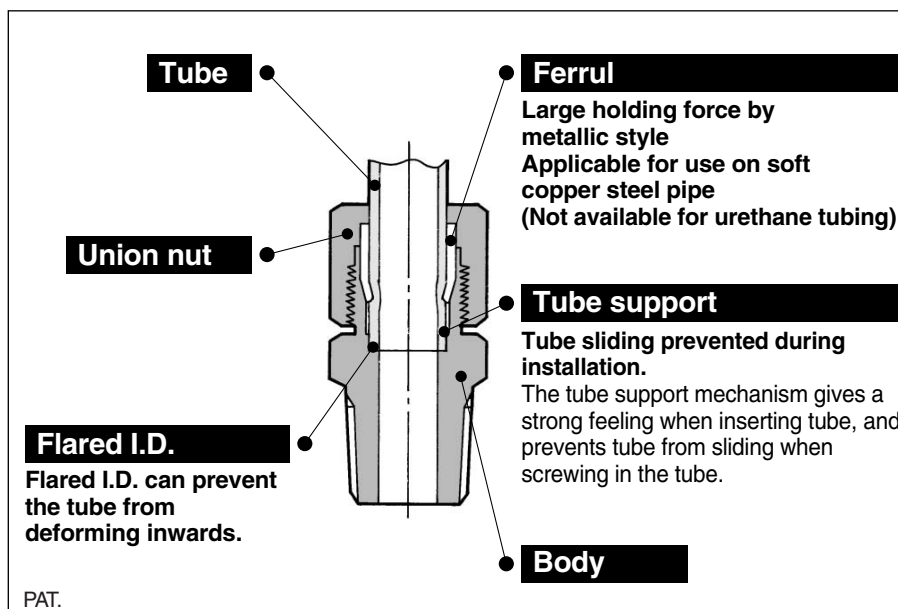
Prevents breakage of ferrule when tightening nut.

### 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) <small>Note)</small>		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

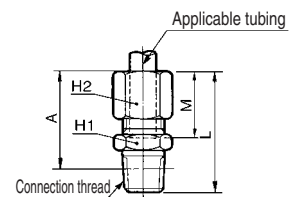
# Series H/DL/L/LL

## Male Connector: H

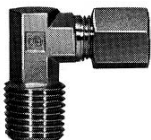


Applicable tubing O.D. (mm)	Connection threads R	Model	H1 (width across flats)	H2 (width across flats)	L	M	A*	Effective area (mm <sup>2</sup> )	Weight (g)
4	1/8	H04-01	10	10	25.1	15	21.1	4	10
	1/4	H04-02	14	10	29.1	15	23.1		17
6	1/8	H06-01	10	12	25.1	16	21.1	11	12
	1/4	H06-02	14	12	29.1		23.1		19
	3/8	H06-03	17	12	31.1	16	24.8		31
	1/2	H06-04	22	12	34.1		25.9		53
8	1/8	H08-01	12	14	25.1	16	21.1	20	16
	1/4	H08-02	14	14	29.1		23.1		21
	3/8	H08-03	17	14	31.1	17	24.8		30
	1/2	H08-04	22	14	34.1		25.9		53
10	1/4	H10-02	14	17	29.1	17	23.1	34	28
	3/8	H10-03	17	17	31.1		24.8		37
	1/2	H10-04	22	17	34.1	17	25.9		53
	3/4	H10-05	27	17	39.1		26.9		85
12	1/4	H12-02	17	19	30.1	17	24.1	51	30
	3/8	H12-03	17	19	31.1		24.8		39
	1/2	H12-04	22	19	34.1	17	25.9		59
	3/4	H12-05	27	19	39.1		26.9		85

\* Reference dimensions after R thread installation.

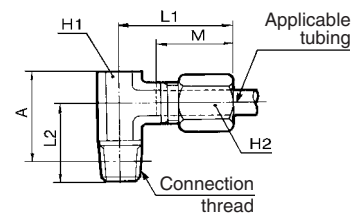


## Male Elbow: DL

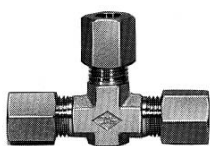


Applicable tubing O.D. (mm)	Connection threads R	Model	H1 (width across flats)	H2 (width across flats)	L1	L2	M	A*	Effective area (mm <sup>2</sup> )	Weight (g)
4	1/8	DL04-01	10	10	23.5	17	15	19.6	3.5	23
	1/4	DL04-02	14	10	27.5	19	15	19.6		30
6	1/8	DL06-01	10	12	23.5	17	16	19.6	9	25
	1/4	DL06-02	14	12	27.5	19	16	19.6		31
	3/8	DL06-03	17	12	26.5	22	16	24.5		53
	1/2	DL06-04	22	12	28.5	27	16	25.9		85
8	1/8	DL08-01	12	14	24.5	18	16	21.6	19	32
	1/4	DL08-02	14	14	26.5	21	16	22.6		38
	3/8	DL08-03	17	14	26.5	22	16	24.5		54
	1/2	DL08-04	22	14	28.5	27	16	25.9		85
10	1/4	DL10-02	14	17	26.5	23	17	25.8	31	51
	3/8	DL10-03	17	17	26.5	22	17	24.5		57
	1/2	DL10-04	22	17	28.5	27	17	29.4		100
	3/4	DL10-05	27	17	33.5	32	17	29.4		135
12	1/4	DL12-02	17	19	25	25	17	29.6	43	76
	3/8	DL12-03	17	19	26	26	17	30.3		85
	1/2	DL12-04	22	19	27	27	17	29.4		91
	3/4	DL12-05	27	19	32	32	17	29.4		126

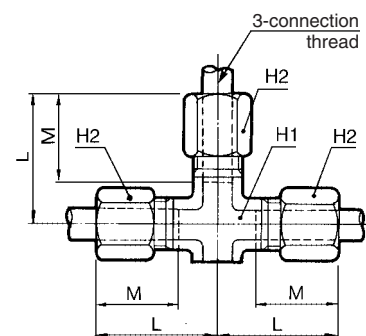
\* Reference dimensions after R thread installation.



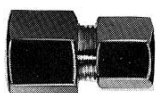
## Union Tee: DT



Applicable tubing O.D. (mm)	Model	H1 (width across flats)	H2 (width across flats)	L	M	Effective area (mm <sup>2</sup> )	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 <sup>2</sup> )	Weight (g)
4	1/4	DHF04-02	17	10	30.3	16	15	4	27
	1/2	DHF04-03	17	10	30.8	16.5	15	4	28
6	1/4	DHF06-02	17	12	30.8	16.5	16	11	31
	1/2	DHF06-03	19	12	32.8	18.5	16	11	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

