

MC LINE

cmatic[®]
PNEUMATIC FITTINGS

黄铜镀镍快拧接头
Brass Nickel-Plated Push-on Fittings



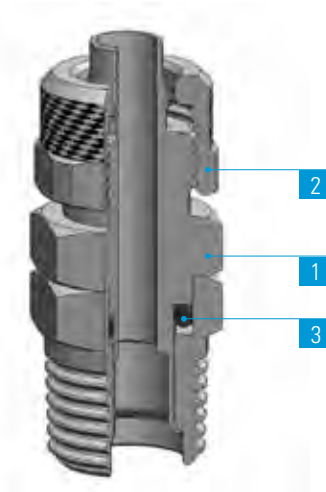
MC系列快拧接头，利用管路套入内部锥面并拧紧螺母而产生的迫紧力来确保密封。
MC系列所有接头均经过电解镀镍表面处理。



The Push-on Fittings of the MC line are provided with a cone to ensure the perfect tightness once the tubing is assembled and the nut tightened.
All MC Fitting are electrolytic nickel plated.

MC

1	2	3
接头本体 Fitting Body	螺母 Nut	密封圈 Seals
黄铜UNI EN 12164 CW614N - UNI EN 12165 CW617N镀镍 Brass UNI EN 12164 CW614N - UNI EN 12165 CW617N Nickel Plated	UNI EN 12164 CW614N镀镍黄铜 Brass UNI EN 12164 CW614N Nickel Plated	NBR NBR



	M5x0.8	G1/8	G1/4	G3/8	G1/2	R1/8	R1/4	R3/8	R1/2
4	•	•				•			
5	•	•				•			
6	•	•	•	•		•	•	•	
8		•	•	•		•	•	•	
10		•	•	•	•	•	•	•	•
12				•	•			•	•
15					•				•

技术规格

建议的连接管路：
PA11、PA12、PE聚乙烯、PU聚氨酯。
可接受的管路公差：
+/- 0.07 mm，最大直径 10 mm
+/- 0.1 mm，最大直径Ø 15 mm。

应用领域：
气动系统。

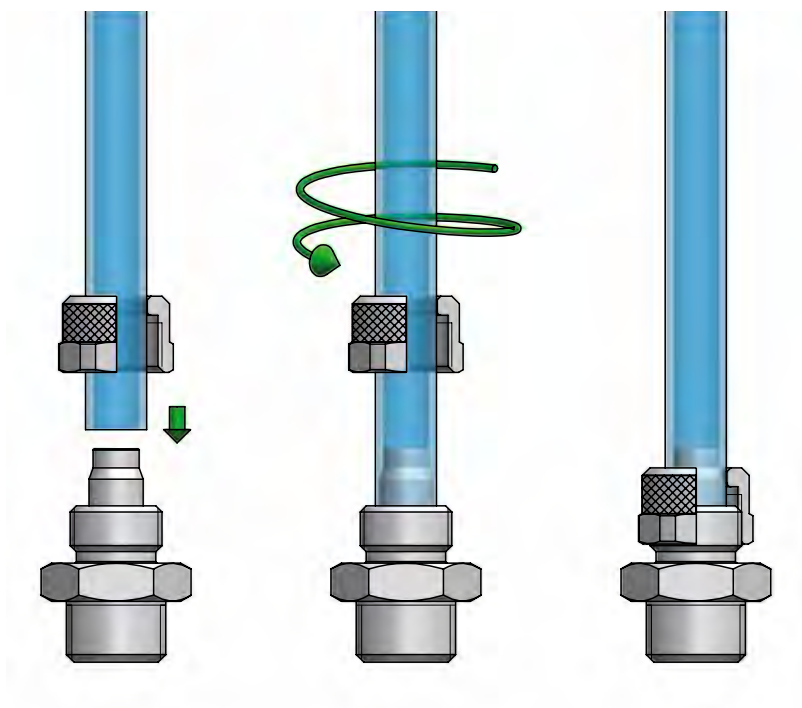
DATA SHEET

Recommended tubings:
PA11, PA12, Polyethylene PE, Polyurethane PU
Acceptable Tolerances on the tubings:
+/- 0,07 mm up to Ø 10 mm
+/- 0,1 mm up to Ø 15 mm

Application fields:
Pneumatic circuits.

1. 垂直切割管路，确认管路内外壁没有毛刺
2. 将螺母套入管路
3. 将管路套在锥面上，用力推入至压紧程度
4. 用手或者扳手拧紧螺母

1. Cut the tube at 90° making sure that no burr is left;
2. Push the nut onto the tube;
3. Push the tube and nut onto the fitting nozzle and make sure that the tube goes all the way up to the nozzle base;
4. Tighten the nut by hand or if necessary by a spanner.



完成连接后，请确保管路上不承受外力；此外，请确保管路连接的最小弯曲半径符合本样册第335页之规定。
螺纹拧紧时，请参考第六页列出的建议扭矩。

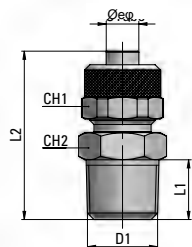


Once the tubing is connected to the fitting, make sure that the tubing is not subject to any tensile strength and that the min. recommended bending radius stated in the tubing section of this catalogue is complied with (see page 335). To tighten threads, please check out our tightening torque chart illustrated at page 6.

MC 11

锥螺纹直管接头

Taper Straight, male

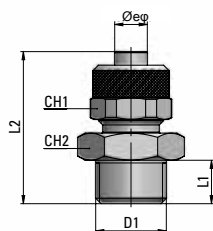


类型	管径 \varnothing_e	D1	L1	L2	CH1	CH2	g Δ
11 04 18	4-2.5	R1/8	7.5	23.5	7	11	7.4
11 05 18	5-3	R1/8	8	25	8	12	8.6
11 06 18	6-4	R1/8	8	27.5	12	12	15
11 06 14	6-4	R1/4	11	31	12	14	20.6
11 06 38	6-4	R3/8	11.5	31.5	12	17	23.9
11 08 18	8-6	R1/8	8	27.5	14	12	17.7
11 08 14	8-6	R1/4	11	31	14	14	23.3
11 08 38	8-6	R3/8	11.5	31.5	14	17	27.4
11 10 18	10-8	R1/8	8	29.5	16	14	22
11 10 14	10-8	R1/4	11	32.5	16	14	26.6
11 10 38	10-8	R3/8	11.5	33	16	17	33.1
11 10 12	10-8	R1/2	14	36	16	22	48.3
11 12 38	12-10	R3/8	11.5	34.5	18	17	37.3
11 12 12	12-10	R1/2	14	37.5	18	22	49.5
11 15 12	15-12.5	R1/2	14	39.5	22	22	61.9

MC 12

直螺纹直管接头

Parallel Straight, male

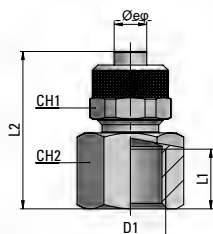


类型	管径 \varnothing_e	D1	L1	L2	CH1	CH2	g Δ
12 04 M5	4-2.5	M5x0.8	5	20	7	7	3.4
12 04 18	4-2.5	G1/8	6	22.5	7	14	9.7
12 05 M5	5-3	M5x0.8	4	20	8	8	4.8
12 05 18	5-3	G1/8	6	23	8	14	10.6
12 06 M5	6-4	M5x0.8	4	21	9	8	6.1
12 06 18	6-4	G1/8	6	25.5	12	14	16.4
12 06 14	6-4	G1/4	8	28	12	17	21
12 06 38	6-4	G3/8	9	29	12	19	27.5
12 08 18	8-6	G1/8	6	25.5	14	14	18.8
12 08 14	8-6	G1/4	8	28	14	17	25.2
12 08 38	8-6	G3/8	9	29	14	19	30.1
12 10 18	10-8	G1/8	6	27	16	14	22.9
12 10 14	10-8	G1/4	8	29.5	16	17	29.4
12 10 38	10-8	G3/8	9	30.5	16	19	32.6
12 10 12	10-8	G1/2	10	32	16	24	45.1
12 12 38	12-10	G3/8	9	32	18	19	38.1
12 12 12	12-10	G1/2	10	33.5	18	24	53.2
12 15 12	15-12.5	G1/2	10	35.5	22	24	60.9

MC 13

内螺纹直管接头

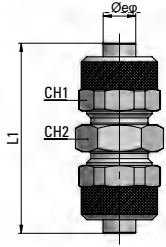
Female Straight



类型	管径 \varnothing_e	D1	L1	L2	CH1	CH2	g Δ
13 05 18	5-3	G1/8	8	22.5	8	14	12.4
13 06 18	6-4	G1/8	8	25	12	14	17.8
13 06 14	6-4	G1/4	11	29	12	17	25.8
13 08 18	8-6	G1/8	8	25	14	14	20.1
13 08 14	8-6	G1/4	11	29	14	17	27.5
13 08 38	8-6	G3/8	11.5	29.5	14	20	31.1
13 10 14	10-8	G1/4	11	30.5	16	17	32.2
13 10 38	10-8	G3/8	11.5	31	16	20	36.1
13 12 38	12-10	G3/8	11.5	32.5	18	20	39.7

MC 14

对接接头

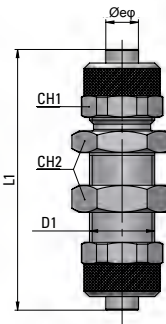


Union

类型	管径Øe	L1	CH1	CH2	g ΔΔ
14 05 05	5-3	28.5	8	8	7.5
14 06 06	6-4	34.5	12	12	20.5
14 08 08	8-6	35	14	14	27.9
14 10 10	10-8	38	16	14	36
14 12 12	12-10	41	18	17	47
14 15 15	15-12.5	45.5	22	22	74.6

MC 15

穿板对接接头

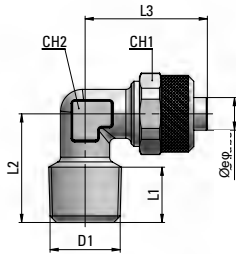


Bulkhead Union

类型	管径Øe	D1	L1	L3 最大	CH1	CH2	g ΔΔ
15 05 05	5-3	M7x0.75	40	8.5	8	9	10.9
15 06 06	6-4	M10x1	48	10.5	12	14	33.2
15 08 08	8-6	M12x1	48	10.5	14	16	42.6
15 10 10	10-8	M14x1	50	8.5	16	17	56
15 12 12	12-10	M16x1	53	8.5	18	19	75.3
15 15 15	15-12.5	M20x1	58	8.5	22	24	104.6

MC 16

锥外螺纹弯管接头

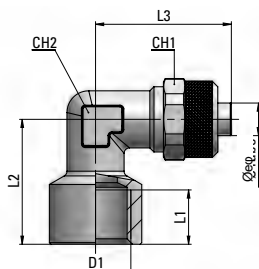


Taper Elbow Fitting, male

类型	管径Øe	D1	L1	L2	L3	CH1	CH2	g ΔΔ
16 04 M5	4-2.5	M5x0.8	5	15.5	20	7	9	10.4
16 04 18	4-2.5	R1/8	7.5	17	20	7	9	10.7
16 05 18	5-3	R1/8	8	17	21.5	8	8	10.8
16 06 18	6-4	R1/8	8	17	22.5	12	8	15.9
16 06 14	6-4	R1/4	11	20	22.5	12	10	21.6
16 06 38	6-4	R3/8	11.5	22.5	23.5	12	11	30.3
16 08 18	8-6	R1/8	8	17	22.5	14	10	19.4
16 08 14	8-6	R1/4	11	20	22.5	14	10	23.3
16 08 38	8-6	R3/8	11.5	22.5	24	14	11	31
16 10 18	10-8	R1/8	8	18.5	25.5	16	11	27.6
16 10 14	10-8	R1/4	11	21.5	25.5	16	11	31.4
16 10 38	10-8	R3/8	11.5	22.5	25.5	16	11	34.7
16 12 38	12-10	R3/8	11.5	24.5	30	18	14	46
16 12 12	12-10	R1/2	14	28	30.5	18	17	66.5
16 15 12	15-12.5	R1/2	14	28	34	22	17	69.6

MC 17

内螺纹直角接头

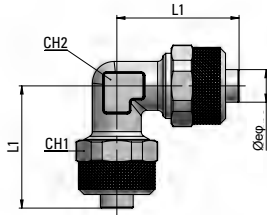


Female Elbow

类型	管径Øe	D1	L1	L2	L3	CH1	CH2	g ΔΔ
17 05 18	5-3	G1/8	8	19	21.5	8	10	20.8
17 06 18	6-4	G1/8	8	19	22.5	12	10	20.5
17 06 14	6-4	G1/4	10.5	23	25	12	11	30.6
17 08 18	8-6	G1/8	8	19	22.5	14	10	27.7
17 08 14	8-6	G1/4	10.5	23	25	14	11	31
17 10 14	10-8	G1/4	11	23.5	26	16	13	39.2
17 12 38	12-10	G3/8	11.5	28	30.5	18	17	67.6

MC 18

直角对接接头

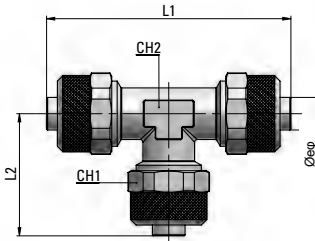


Union Elbow

类型	管径 Øe	L1	CH1	CH2	g $\Delta\Delta$
18 05 05	5-3	21.5	8	8	13.1
18 06 06	6-4	21.5	12	8	22.7
18 08 08	8-6	22.5	14	10	31.1
18 10 10	10-8	25.5	16	11	38.6
18 12 12	12-10	30	18	14	58
18 15 15	15-12.5	34	22	17	84.3

MC 19

正T型三通接头

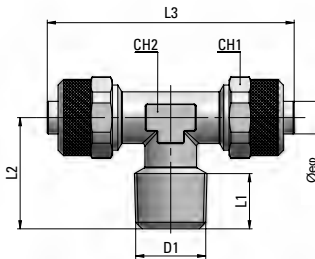


Union Tee

类型	管径 Øe	L1	L2	CH1	CH2	g $\Delta\Delta$
19 05 05	5-3	43	21.5	8	8	18.6
19 06 06	6-4	45	22.5	12	8	32.1
19 08 08	8-6	45	22.5	14	10	41.3
19 10 10	10-8	51	25.5	16	11	54.5
19 12 12	12-10	60	30	18	14	84.9
19 15 15	15-12.5	68	34	22	17	124.2

MC 20

锥螺纹正T型三通接头

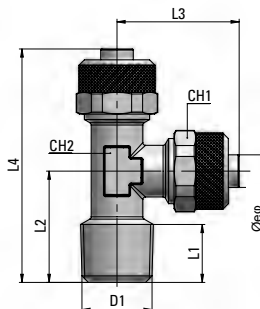


Taper Male Tee

类型	管径 Øe	D1	L1	L2	L3	CH1	CH2	g $\Delta\Delta$
20 05 18	5-3	R1/8	8	17	43	8	8	17.5
20 06 18	6-4	R1/8	8	17	45	12	8	27.1
20 06 14	6-4	R1/4	11	20.5	45.5	12	10	35.2
20 08 18	8-6	R1/8	8	17.5	45.5	14	10	33.6
20 08 14	8-6	R1/4	11	20.5	45.5	14	10	37.7
20 10 14	10-8	R1/4	11	21.5	51	16	11	48
20 10 38	10-8	R3/8	11.5	22.5	51	16	11	51.1
20 12 38	12-10	R3/8	11.5	24.5	60	18	14	69.5
20 12 12	12-10	R1/2	14	28	61	18	17	99.4
20 15 12	15-12.5	R1/2	14	28	68	22	17	108.3

MC 21

锥螺纹直T型三通接头

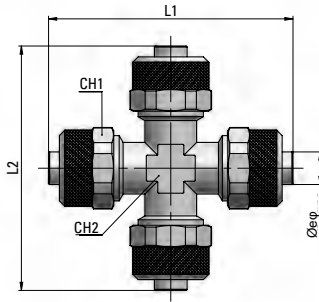


Taper Lateral Tee

类型	管径 Øe	D1	L1	L2	L3	L4	CH1	CH2	g $\Delta\Delta$
21 05 18	5-3	R1/8	8	17	21.5	38.5	8	8	17.7
21 06 18	6-4	R1/8	8	17	22.5	39.5	12	8	25.8
21 06 14	6-4	R1/4	11	20	22.5	42.5	12	10	33.8
21 08 18	8-6	R1/8	8	17.5	22.5	40.5	14	10	36.9
21 08 14	8-6	R1/4	11	20.5	22.5	43.5	14	10	36.3
21 10 14	10-8	R1/4	11	21	25.5	46.5	16	11	47.4
21 10 38	10-8	R3/8	11.5	22.5	25.5	48	16	11	51.2
21 12 38	12-10	R3/8	11.5	24.5	30	54.5	18	14	72.2
21 12 12	12-10	R1/2	14	28	30.5	58.5	18	17	99.1
21 15 12	15-12.5	R1/2	14	28	34	62	22	17	107.1

MC 22

十字接头

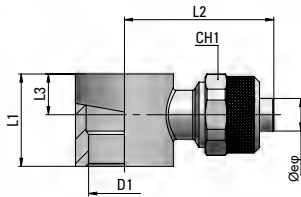


Cross Fitting

类型	管径Øe	L1	L2	CH1	CH2	g Δ
22 05 05	5-3	43	43	8	8	45.4
22 06 06	6-4	45	45	12	8	45.6
22 08 08	8-6	45	45	14	10	53.1
22 10 10	10-8	51	51	16	11	72.3

MC 23

单通铰接头本体



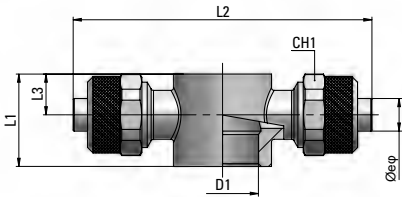
Single Banjo Ring

类型	管径Øe	D1	L1	L2	L3	CH1	g Δ
23 04 M5	4-2.5	5.1	9	18	4.5	7	6.6
23 04 M5/R	4-2.5	7	10	18	3.5	7	5.5
23 04 18	4-2.5	10	15	21.5	6	7	12.7
23 05 M5	5-3	5.1	9	19	4.5	8	7.3
23 05 M5/R	5-3	7	10	19	3.5	8	6.5
23 05 18	5-3	10	15	23	6	12	20.5
23 06 M5	6-4	5.1	9	19	4.5	9	7.9
23 06 M5/R	6-4	7	10	19	3.5	9	6.8
23 06 18	6-4	10	15	25	6	12	18.5
23 06 14	6-4	13.2	17	26.5	7.5	12	25.6
23 08 18	8-6	10	15	25	6	14	21.5
23 08 14	8-6	13.2	17	27.5	7.5	14	27.4
23 08 38	8-6	17	20	29.5	7.5	14	39
23 10 14	10-8	13.2	17	28.5	7.5	16	29.2
23 10 38	10-8	17	20	30.5	7.5	16	41.5

/R = 仅用于流量调节器 - For flow controls only

MC 24

两通铰接头本体

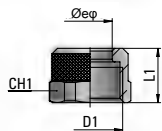


Double Banjo Ring

类型	管径Øe	D1	L1	L2	L3	CH1	g Δ
24 05 M5	5-3	5.1	9	34	4.5	8	12
24 05 18	5-3	10	15	50	6	12	30.6
24 06 M5	6-4	5.1	9	34	4.5	9	12.7
24 06 18	6-4	10	15	50	6	12	30.1
24 06 14	6-4	13.2	17	53	7.5	12	35.5
24 08 18	8-6	10	15	50	6	14	31.9
24 08 14	8-6	13.2	17	55	7.5	14	38.9
24 08 38	8-6	17	20	59	7.5	14	51.4
24 10 14	10-8	13.2	17	57	7.5	16	44.5
24 10 38	10-8	17	20	61	7.5	16	56.1

MC 27

螺母

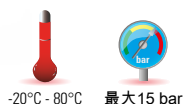
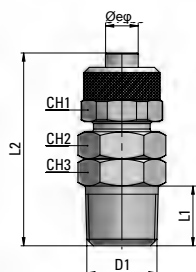


Nut

类型	管径Øe	D1	L1	CH1	g Δ
27 04 07	4-2.5	M6x0.75	8	7	1.1
27 05 08	5-3	M7x0.75	8.5	8	1.2
27 06 08	6-4	M8x0.75	9	9	1.5
27 06 10	6-4	M10x1	10.5	12	4.1
27 08 12	8-6	M12x1	10.5	14	5
27 10 14	10-8	M14x1	11.5	16	6.5
27 12 16	12-10	M16x1	13	18	8.8
27 15 20	15-12.5	M20x1	15.5	22	14.3

MC 29

锥螺纹直接头



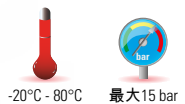
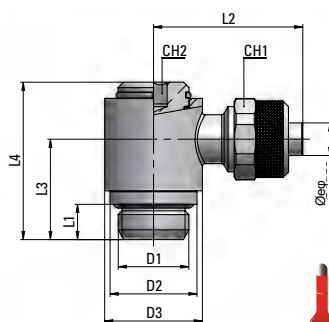
-20°C - 80°C 最大15 bar

Swivelling Taper straight

类型	管径Øe	D1	L1	L2	CH1	CH2	CH3	g Δ
29 06 18	6-4	R1/8	8	37	12	12	12	22
29 06 14	6-4	R1/4	11	40	12	14	14	28
29 08 18	8-6	R1/8	8	37	14	12	12	26
29 08 14	8-6	R1/4	11	40	14	14	14	30
29 10 14	10-8	R1/4	11	42	16	14	14	34

MC 30

单铰接头



-20°C - 80°C 最大15 bar

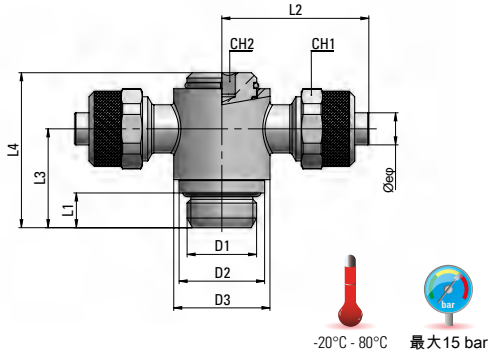
Swivelling Fitting with Banjo Ring

类型	管径Øe	D1	D2	D3	L1	L2	L3	L4	CH1	CH2	g Δ
30 06 18	6-4	G1/8	14	14	5	25	16.5	25.5	12	4	28.2
30 06 14	6-4	G1/4	16	18	6.5	26.5	19	29	12	5	41.9
30 08 18	8-6	G1/8	14	14	5	25	16.5	25.5	14	4	28.7
30 08 14	8-6	G1/4	16	18	6.5	27.5	19	29	14	5	44.1
30 10 14	10-8	G1/4	16	18	6.5	28.5	19	29	16	5	46.7
30 10 38	10-8	G3/8	21	18	7	30.5	23.5	32.5	16	8	68.7

MC 31

两通铰接头

Swivelling Fitting with Double Banjo Ring

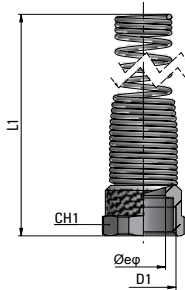


类型	管径 \varnothing_e	D1	D2	D3	L1	L2	L3	L4	CH1	CH2	g $\Delta\Delta$
31 06 18	6-4	G1/8	14	14	5	25	16.5	25.5	12	4	39.2
31 06 14	6-4	G1/4	16	18	6.5	26.5	19	29	12	5	52.9
31 08 18	8-6	G1/8	14	14	5	25	16.5	25.5	14	4	41.2
31 08 14	8-6	G1/4	16	18	6.5	27.5	19	29	14	5	56
31 10 14	10-8	G1/4	16	18	6.5	28.5	19	29	16	5	64
31 10 38	10-8	G3/8	21	22	7	30.5	23.5	32.5	16	8	84.6

MC 32

带保护弹簧螺母

Nut with Protection Spring

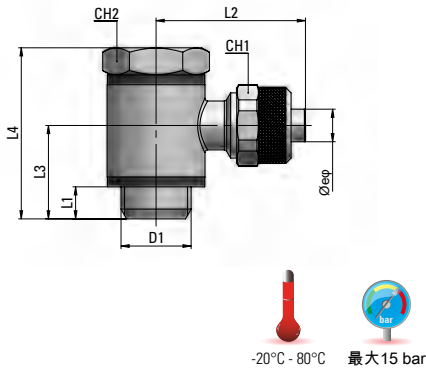


类型	管径 \varnothing_e	D1	L1	CH1	g $\Delta\Delta$
32 06 04	6-4	M10x1	95	12	14
32 08 06	8-6	M12x1	93.5	14	18
32 10 08	10-8	M14x1	96.5	16	22

MC 34

可调向单铰接头

Swivelling Elbow

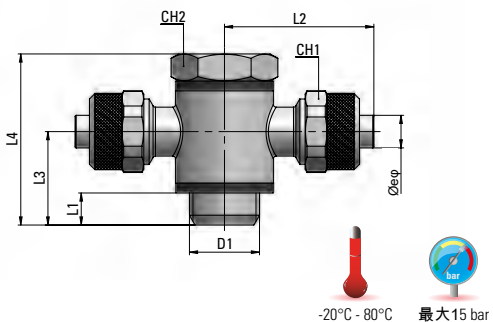


类型	管径 \varnothing_e	D1	L1	L2	L3	L4	CH1	CH2	g $\Delta\Delta$
34 04 M5	4-2.5	M5x0.8	4	16	9.5	19	7	8	9.4
34 04 18	4-2.5	G1/8	6	21.5	16.5	27	7	14	27.5
34 05 M5	5-3	M5x0.8	4	19	9.5	19	8	8	10
34 05 18	5-3	G1/8	6	25	16.5	27	8	14	27
34 06 M5	6-4	M5x0.8	4	19	9.5	19	9	8	10.8
34 06 18	6-4	G1/8	6	25	16.5	27	12	14	32.5
34 06 14	6-4	G1/4	8	26.5	19.5	31.5	12	17	52.4
34 08 18	8-6	G1/8	6	25	16.5	27	14	14	33.6
34 08 14	8-6	G1/4	8	27.5	19.5	31.5	14	17	54.6
34 08 38	8-6	G3/8	9	29.5	23.5	36	14	20	83.4
34 10 14	10-8	G1/4	8	28.5	19.5	31.5	16	17	56.7
34 10 38	10-8	G3/8	9	30.5	23.5	36	16	20	86.2

MC 36

可调向两通铰接头

Swivelling Tee



类型	管径 \varnothing_e	D1	L1	L2	L3	L4	CH1	CH2	g $\Delta\Delta$
36 05 M5	5-3	M5x0.8	4	17	9.5	19	8	8	14.3
36 05 18	5-3	G1/8	6	25	16.5	27	8	14	44.5
36 06 M5	6-4	M5x0.8	4	17	9.5	19	9	8	15.3
36 06 18	6-4	G1/8	6	25	16.5	27	12	14	44.1
36 06 14	6-4	G1/4	8	26.5	19.5	31.5	12	17	63.2
36 08 18	8-6	G1/8	6	25	16.5	27	14	14	46.3
36 08 14	8-6	G1/4	8	27.5	19.5	31.5	14	17	66.5
36 08 38	8-6	G3/8	9	29.5	23.5	36	14	20	96.2
36 10 14	10-8	G1/4	8	28.5	19.5	31.5	16	17	72.4
36 10 38	10-8	G3/8	9	30.5	23.5	36	16	20	103.3