

MO LINE



CN

黄铜镀镍卡套接头

MO系列卡套式管接头通过将卡套压紧在管道上, 确保管道的气动/液压密封性。本体、卡套和螺母均按照ISO8434/DIN 2353标准制造。所有MO接头均采用电解镀镍工艺处理。

EN

Brass Nickel-Plated Compression Fittings

The compression fittings of the MO line ensure the pneumatic/hydraulic tightness of the tubing by compression of an olive ring on the tubing. The olive seats, the olives and the nuts are all manufactured according to ISO8434/DIN 2353 norm. All MO fittings are electrolytic nickel plated.

MO Line

1 本体
Body

黄铜镀镍 UNI EN 12164 CW614N - UNI EN 12165 CW617N
Brass UNI EN 12164 CW614N - UNI EN 12165 CW617N, nickel plated

2 螺母
Nut

黄铜镀镍 UNI EN 12164 CW614N
Brass UNI EN 12164 CW614N, nickel plated

3 卡箍
Olive

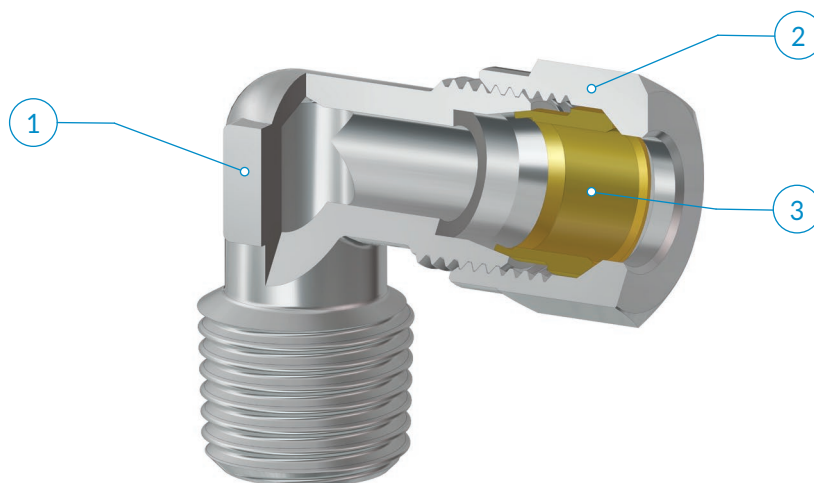
黄铜 UNI EN 12164 CW614N
Brass UNI EN 12164 CW614N



-40° ÷ 150°C



60 bar



	M5x0,8	G1/8	G1/4	G3/8	G1/2	R1/8	R1/4	R3/8	R1/2
4	●	●				●			
6		●	●			●	●		
8		●	●			●	●	●	
10			●	●			●	●	
12				●	●			●	●
15					●				●

建议的连接管路:

黄铜管, 铝管, 使用加强管塞(MO23)的 PA11和PA6管路。

Recommended tubings:

Copper and aluminium tubings. PA11 and PA6 tubings are to be used with our MO 23 reinforcement part.

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。

Acceptable Tolerances on the tubings:

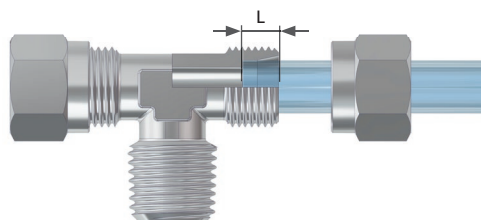
+/- 0,07 mm up to Ø 10 mm
+/- 0,1 mm up to Ø 15 mm

应用领域:

气动、液压和油压系统。

Application fields:

Pneumatic, hydraulic and oleodynamic circuits



OD	L
4	4
6	5,5
8	5,5
10	7
12	7
15	7

安装说明

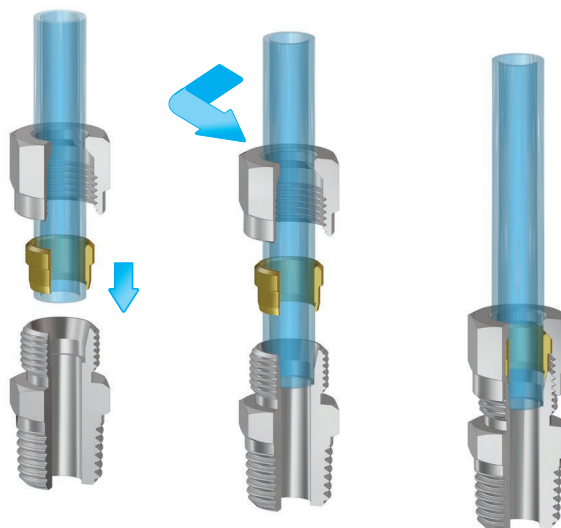
ASSEMBLY INSTRUCTIONS

- 1 垂直切割管路, 确保内外壁无毛刺
- 2 将螺母与卡箍套在管路上, 注意卡箍的刃口要朝向管路末端;
- 3 用手拧紧螺母, 直到感觉拧不动为止。
- 4 确认管路位置正确之后, 用扳手拧紧螺母, 根据接头类型, 大约旋转1½-2转;
- 5 仅在检查时, 拧松螺母, 并确认卡箍是否卡紧在管路上;
- 6 重新拧紧螺母, 多拧¼圈, 确保系统密封。

- 1 Cut the tube square and make sure that no burr (internally and externally) is left;
- 2 Insert the tube through the nut and olive. The olive edge is to be placed towards the tube ending;
- 3 Finger tighten the nut until resistance;
- 4 Check the tube is well positioned, and tighten the nut with a spanner 1½ - 2 more turns according to the fitting used;
- 5 Just for safety, screw-off the nut and check that the olive is evenly gripping on the tubing;
- 6 Screw-on the nut a further ¼ of a turn to grant the system tightness.

注意:如果要连接弯管, 请确保弯管端长度至少为2倍的螺母长度。

Remark: Should curved tubings, need to be connected, pls make sure that the tube curving be at least at twice the nut height distance.



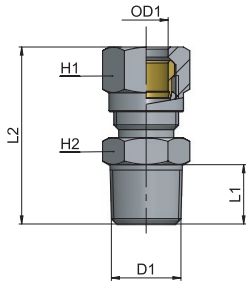
⚠ 完成连接后, 请确保管路上不承受外力; 此外, 请确保管路连接的最小弯曲半径符合本样册第376页之规定。为了避免管路意外松脱, 任何物体均不要接触释放环。作用在释放环上任何外力, 包括侧向力, 均可能导致管路意外松脱。螺纹拧紧时, 请参考第10页列出的建议扭矩。

⚠ 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 376). To tighten threads, please check out our tightening torque chart illustrated at page 10.

MO 11

外锥螺纹直接头

Taper straight, male

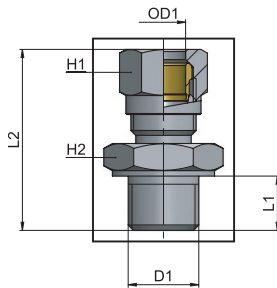


类型	OD1	D1	L1	L2	H1	H2	g Δ
11 04 18	4	R1/8	8	27	10	10	12,0
11 06 18	6	R1/8	8	28	12	12	16,0
11 06 14	6	R1/4	11	32,5	12	14	20,5
11 08 18	8	R1/8	8	29,5	14	12	19,0
11 08 14	8	R1/4	11	33	14	14	22,5
11 08 38	8	R3/8	11,5	33	14	17	40,0
11 10 14	10	R1/4	11	37,5	19	17	43,5
11 10 38	10	R3/8	11,5	38	19	17	56,0
11 12 38	12	R3/8	11,5	39	22	19	60,0
11 12 12	12	R1/2	14	41	22	22	77,0
11 15 12	15	R1/2	14	42,5	27	22	104,0

MO 12

外直螺纹直接头

Parallel straight, male

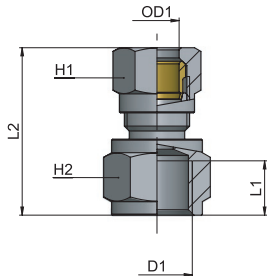


类型	OD1	D1	L1	L2	H1	H2	g Δ
12 04 M5	4	M5x0,8	5	26	10	9	9,0
12 04 18	4	G1/8	6	25	10	14	17,0
12 06 18	6	G1/8	6	26	12	14	18,0
12 06 14	6	G1/4	8	29,5	12	17	21,6
12 08 18	8	G1/8	6	27,5	14	14	22,0
12 08 14	8	G1/4	8	30	14	17	33,0
12 10 14	10	G1/4	8	34,5	19	17	43,5
12 10 38	10	G3/8	9	36	19	19	62,0
12 12 38	12	G3/8	10	39	22	22	68,0
12 12 12	12	G1/2	12	42	22	27	98,0
12 15 12	15	G1/2	12	43	27	27	115,0

MO 13

内螺纹直接头

Female straight

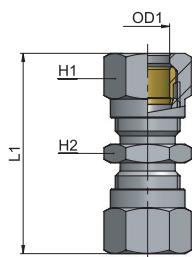


类型	OD1	D1	L1	L2	H1	H2	g Δ
13 04 18	4	G1/8	8	24,5	10	14	18,0
13 06 18	6	G1/8	8	26	12	14	17,5
13 06 14	6	G1/4	11	30,5	12	17	25,5
13 08 18	8	G1/8	8	26,5	14	14	24,0
13 08 14	8	G1/4	11	31	14	17	28,0
13 10 14	10	G1/4	11	35,5	19	17	45,5
13 10 38	10	G3/8	11,5	36,5	19	20	66,0

MO 14

对接接头

Union



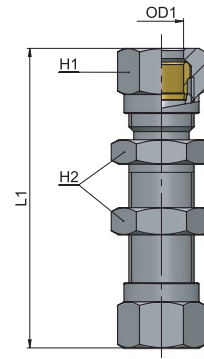
类型	OD1	L1	H1	H2	g Δ
14 04 04	4	33,5	10	10	12,0
14 06 06	6	36,5	12	12	21,0
14 08 08	8	38,5	14	14	27,0
14 10 10	10	47,5	19	17	66,0
14 12 12	12	50,5	22	19	85,0
14 15 15	15	55,5	27	24	148,0

MO 15

穿板对接接头

Bulkhead union

类型	OD1	L1	H1	H2	g Δ
15 04 04	4	57	10	12	27,0
15 06 06	6	51,5	12	14	39,0
15 08 08	8	55,5	14	16	55,0
15 10 10	10	62,5	19	19	90,0
15 12 12	12	64,5	22	22	136,0
15 15 15	15	69,5	27	25	183,0

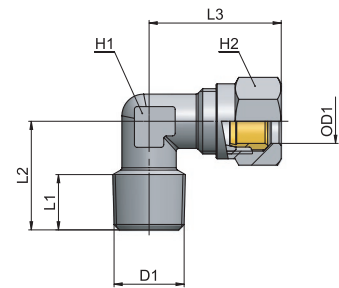


MO 16

外锥螺纹弯管接头

Taper elbow fitting, male

类型	OD1	D1	L1	L2	L3	H1	H2	g Δ
16 04 18	4	R1/8	8	16	21	9	10	15,0
16 06 18	6	R1/8	8	16	22	9	12	15,0
16 06 14	6	R1/4	11	20	24,5	11	12	24,0
16 08 18	8	R1/8	8	17	24	11	14	22,0
16 08 14	8	R1/4	11	20	24	11	14	25,5
16 10 14	10	R1/4	11	23,5	32	13	19	48,0
16 10 38	10	R3/8	11,5	24	32	13	19	52,0
16 12 38	12	R3/8	11,5	25,5	34,5	15	22	67,0
16 12 12	12	R1/2	14	28,5	34,5	15	22	78,0
16 15 12	15	R1/2	14	30	38	17	27	102,0

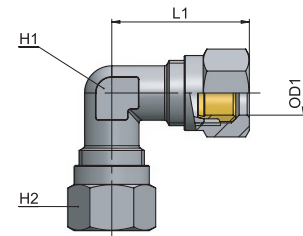


MO 17

直角对接接头

Union elbow

类型	OD1	L1	H1	H2	g Δ
17 04 04	4	21	9	10	19,0
17 06 06	6	23	9	12	22,0
17 08 08	8	24	11	14	32,0
17 10 10	10	32	13	19	76,0
17 12 12	12	34,5	15	22	98,0
17 15 15	15	38	17	27	145,0

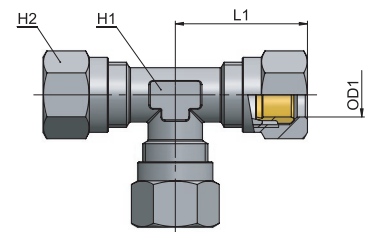


MO 18

正T型三通对接接头

Union T

类型	OD1	L1	H1	H2	g Δ
18 04 04	4	21	9	10	21,0
18 06 06	6	23	9	12	34,0
18 08 08	8	24	11	14	42,0
18 10 10	10	32	13	19	103,0
18 12 12	12	34,5	15	22	144,0
18 15 15	15	38	17	27	212,0

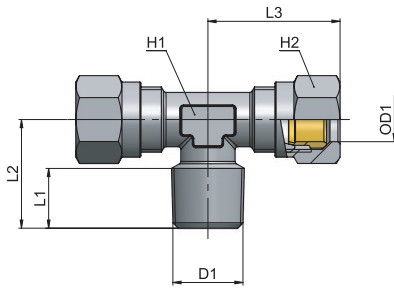


AP 55
AR 63
AV 221
CO 157
CX 255
EV 217
GU 119
GU Safety 135
GX 281
GX Safety 291
HP 317
MA 27
MB 41
MC 83
MF 235
MM 333
MO 93
MP 323
MT 339
MV 171
MX 241
MY 229
OX 261
PA 113
PE 79
PM 329
PN 67
PT 347
PU 131
PU Safety 149
PUX 287
PV 203
PVX 311
PX 249
QO 363
RA 101
RF 269
RT 355
RX 275
Tools 369
Tubings 375
VF 295
VT 359
VX 299

MO 19

锥螺纹正T型三通接头

Taper male T

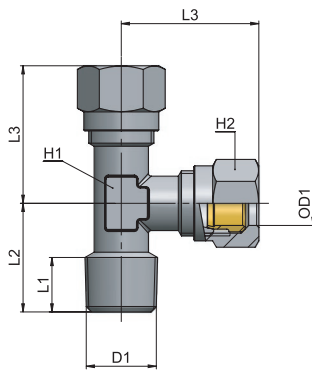


类型	OD1	D1	L1	L2	L3	H1	H2	g Δ
19 04 18	4	R1/8	8	16	21	9	10	22,0
19 06 18	6	R1/8	8	16	23	9	12	28,0
19 06 14	6	R1/4	11	20	24	11	12	29,0
19 08 18	8	R1/8	8	17	24	11	14	38,0
19 08 14	8	R1/4	11	20	24	11	14	40,0
19 10 14	10	R1/4	11	23,5	32	13	19	79,5
19 10 38	10	R3/8	11,5	24	32	13	19	92,0
19 12 38	12	R3/8	11,5	25,5	34,5	15	22	118,0
19 12 12	12	R1/2	14	28,5	34,5	15	22	128,0
19 15 12	15	R1/2	14	30	38	17	27	168,0

MO 20

锥螺纹直T型三通接头

Taper lateral T

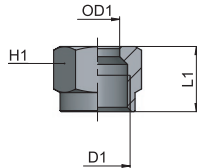


类型	OD1	D1	L1	L2	L3	H1	H2	g Δ
20 04 18	4	R1/8	8	16	21	9	10	23,0
20 06 18	6	R1/8	8	16	23	9	12	27,0
20 06 14	6	R1/4	11	20	24,5	11	12	29,0
20 08 18	8	R1/8	8	17	24	11	14	38,0
20 08 14	8	R1/4	11	20	24	11	14	42,0
20 10 14	10	R1/4	11	23,5	32	13	19	88,0
20 10 38	10	R3/8	11,5	24	32	13	19	94,0
20 12 38	12	R3/8	11,5	25,5	34,5	15	22	122,0
20 12 12	12	R1/2	14	28,5	34,5	15	22	132,0
20 15 12	15	R1/2	14	30	38	17	27	180,0

MO 21

螺母

Nut



类型	OD1	D1	L1	H1	g Δ
21 04 08	4	M8x1	11	10	4,0
21 06 10	6	M10x1	11,5	12	5,5
21 08 12	8	M12x1	12	14	7,0
21 10 16	10	M16x1,5	15,5	19	19,0
21 12 18	12	M18x1,5	15,5	22	26,0
21 15 22	15	M22x1,5	17	27	43,0

MO 22

卡箍

Olive




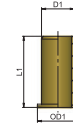
类型	OD1	L1	g Δ
22 04 65	4	6	0,5
22 06 75	6	7	1,0
22 08 75	8	7	2,0
22 10 95	10	10	2,0
22 12 95	12	10	3,0
22 15 10	15	10	3,0

MO 23

加强管塞

Inner reinforcement piece for tubings


类型	OD1	D1	L1	g 
23 06 12	6	4	12	0,5
23 08 14	8	6	13	1,0
23 10 16	10	8	14	2,0
23 12 18	12	10	16	2,1
23 15 20	15	12,5	17	4,0

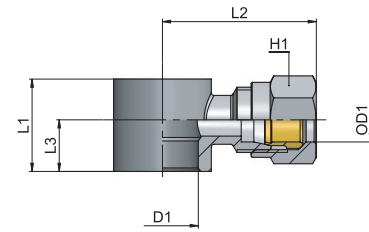


MO 25

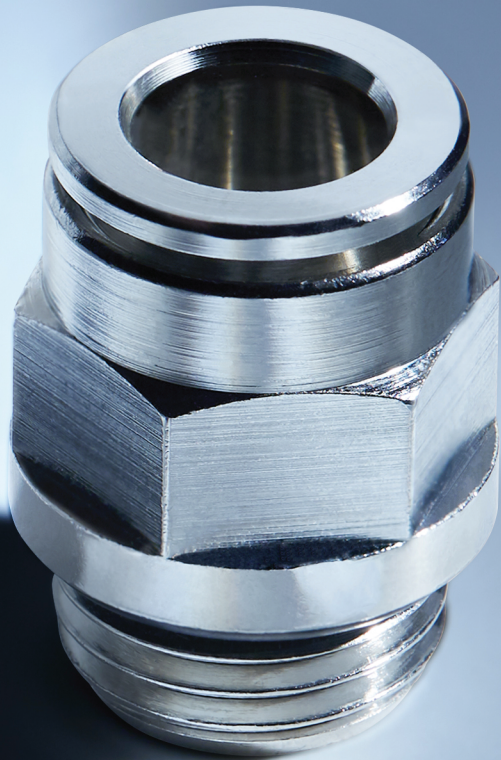
单通铰接头本体

Single banjo ring

类型	OD1	D1	L1	L2	L3	H1	g 
25 06 18	6	10	15	26	9	12	19,0
25 06 14	6	13,2	17	28	9,5	12	26,0
25 08 18	8	10	15	27	8,5	14	21,0
25 08 14	8	13,2	17	29	9,5	14	28,0



AP	55
AR	63
AV	221
CO	157
CX	255
EV	217
GU	119
GU Safety	135
GX	281
GX Safety	291
HP	317
MA	27
MB	41
MC	83
MF	235
MM	333
MO	93
MP	323
MT	339
MV	171
MX	241
MY	229
OX	261
PA	113
PE	79
PM	329
PN	67
PT	347
PU	131
PU Safety	149
PUX	287
PV	203
PVX	311
PX	249
QO	363
RA	101
RF	269
RT	355
RX	275
Tools	369
Tubings	375
VF	295
VT	359
VX	299



cmatic