



PM LINE

cmatic[®]
PNEUMATIC FITTINGS

英制/NPT 80bar润滑用自动接头
Medium Pressure Push-in Fittings, 80 bar Inch/NPT



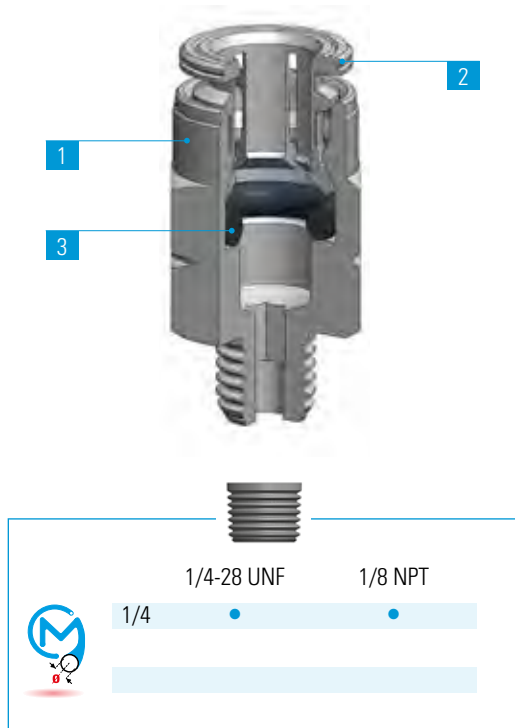
PM系列快插接头符合美国标准（英制管路和NPT-UNF螺纹），设计用于承受最高80 bar压强，用于中控润滑领域。



The push-in Fittings of the PM line are manufactured according to the American Standards (inch Tubings and NPT threads). They are conceived to work up to 80 bar in central grease applications.

PM

1	2	3
本体 Body	卡爪 Gripping Collet	密封圈 Seals
镀镍黄铜UNI EN 12164 CW614N - UNI EN 12165 CW617N 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



技术规格

建议的连接管路：
PA6-6, PA12 HR
可接受的管路公差：
+/- 0.07 mm，最大直径Ø 1/4。

应用领域：
润滑系统。



最大工作压强值取决于所用管路类型和温度，后者能够显著降低管路破裂压力。

DATA SHEET

Recommended tubings:
PA6-6, PA12 HR
Acceptable Tolerances on the tubings:
+/- 0,07 mm up to Ø 1/4.

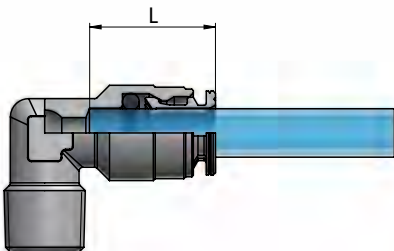
Application fields:
Lubrication installations.



The pressure rate achievable can vary depending on the tubing used and on the room temperature. These two factors may in fact lower the tube bursting pressure.

管路插入深度

Tubing insertion depth



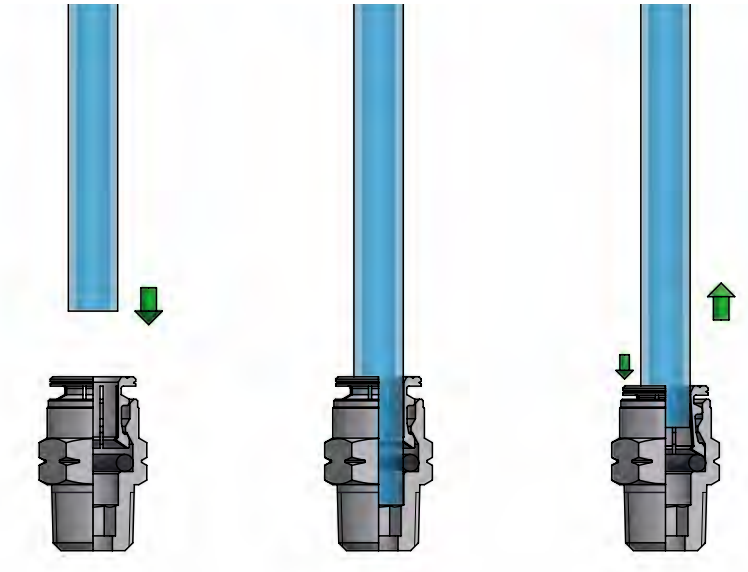
管径 \varnothing_e	L
1/4	17

- 1.沿管路垂直切割 (使用TCUT管路切刀),确认内外管壁没有毛刺,同时注意避免管路截面呈椭圆形。
- 2.将管路插入接头,到底为止。

拔出管路:
垂直按压释放环,同时拔出管路即可。

1. Cut the tube square (by means of a hose cutter i.e. our TCUT) making sure that no burrs are left and that the tube is not oval.
2. Insert the tube into the fitting until it bottoms.

Tube release
While pressing on the release ring, pull out the tube from the fitting.



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。

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。

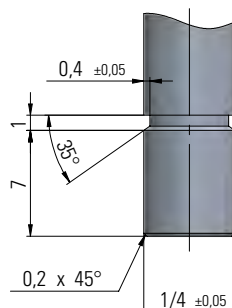


Once the tubing is connected to the fitting, make sure that the tubing is not subject to any tensile strength and that the min. recommended bending radius stated in the tubing section of this catalogue is complied with (see page 335).

To prevent any accidental tube release, no components have to come in touch with the release ring and exercise any unwanted pressure on the same. Indeed however lateral, any load on the release ring may cause the tube disconnection. To tighten threads, please check out our tightening torque chart illustrated at page 6.

如果使用金属尾管连接接头,则尾管需要按照以下图示进行加工,否则,接头的性能指标会受到一定影响,且有可能接头受到无法修复的损坏而不能保证功能。

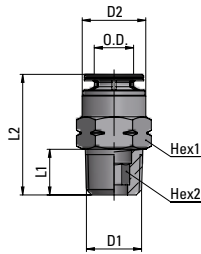
If a metal stem is connected to the fitting, the stem has to be manufactured according to the profile and sizes as set forth below. Should the fitting be connected to a metal stem not complying to the technical features recommended, the fitting may get irreversibly damaged and its function would no longer be guaranteed.



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锥螺纹直管接头

Taper Straight, male

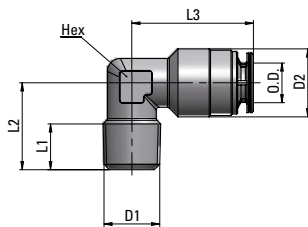


类型	管径 \varnothing_e	D1 UNF	D1 NPTF	D2	L1	L2	HEX1 mm	HEX2 mm	g $\Delta\Delta$
11 1/4 1/8	1/4	-	1/8	11.8	8.5	22.5	12	5	9.34
11 1/4 1/4-28	1/4	1/4-28	-	11.8	6	24.5	12	2.5	10.90

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锥外螺纹弯管接头

Taper Elbow Fitting, male

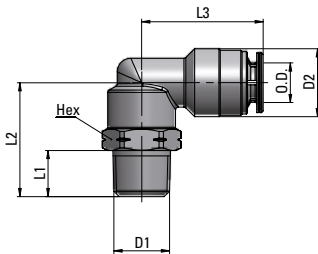


类型	管径 \varnothing_e	D1 UNF	D2 NPTF	D2	L1	L2	HEX mm	g $\Delta\Delta$
14 1/4 1/8	1/4	-	1/8	12.5	8.2	16	10	15.08
14 1/4 1/4-28	1/4	1/4-28	-	12.5	6	15	10	14.93

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可调向锥外螺纹弯管接头

Taper Swivelling Elbow Fitting, male

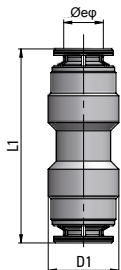


类型	管径 \varnothing_e	D1 UNF	D1 NPTF	D2	L1	L2	L3	HEX1 mm	g $\Delta\Delta$
15 1/4 1/8	1/4	-	1/8	12.5	8.5	21	22.5	13	24.37
15 1/4 1/4-28	1/4	1/4-28	-	12.5	6	18.5	22.5	13	21.19

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对接接头

Union



类型	管径1 \varnothing_e	管径2 \varnothing_e	D1	L1	g $\Delta\Delta$
26 1/4 1/4	1/4	1/4	13	35.5	16.89