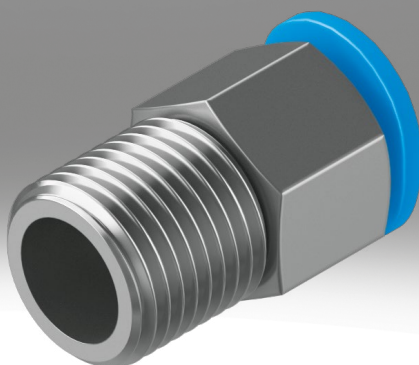


Push-in fitting, mini series, inches QSM

FESTO



Characteristics

At a glance

Mini series

- Compact for maximum component density in confined installation spaces
- Operating medium: compressed air, vacuum
- PBT and nickel-plated brass

Design

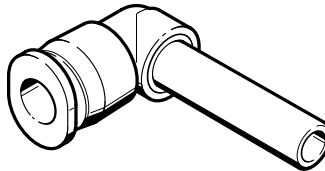
[]

Straight shape



[L]

L-shape



Type code

001	Series	
QSM	Push-in fitting, mini series	
QSML	Push-in fitting, mini series	
002	Design	
	Straight shape	
L	L-shape	
003	Pneumatic connection 1 [inch]	
5/32H	Push-in sleeve 5/32"	
1/8H	Push-in sleeve 1/8"	
M3	M3	
M5	M5	
M7	M7	

004	Pneumatic connection 2 [inch]	
	Same size push-in connector as pneumatic connection 1	
1/4	Push-in connector 1/4"	
1/8	Push-in connector 1/8"	
3/16	Push-in connector 3/16"	
5/32	Push-in connector 5/32"	
005	Mounting method	
	Standard	
I	Internal hexagon	
006	System of units	
U	Imperial	
007	Version	
	Standard	
M	Hybrid connection	

Datasheet

General technical data – Male metric and G thread

General technical data - Male thread and L-shape					
Pneumatic connection, port 1	Male thread M3	Male thread M5	Male thread M7	Push-in sleeve Ø 1/8"	Push-in sleeve Ø 5/32"
Design	Straight design			L-shape	
Design	Push-pull principle				
Mounting position	optional				
Type of seal on screwed plug	Sealing ring			-	
Nominal torque	0.354 ft-lbf	0.981 ft-lbf	2.471 ft-lbf	-	
Tolerance for nominal tightening torque	± 55%	± 20%		-	
Type of mounting	Internal hexagon, A/F 1.5 mm	Internal hexagon, size 2 mm Internal hexagon, size 2.5 mm	Internal hexagon, size 2 mm Internal hexagon, size 3 mm Internal hexagon, size 4 mm	-	

Operating and environmental conditions

Operating pressure complete temperature range	-0.095 ... 1 MPa
Operating pressure complete temperature range	-0.95 ... 10 bar
Operating pressure complete temperature range	-13.775 ... 145 psi
Operating medium	Compressed air to ISO 8573-1:2010 [7:::]
Note on operating and pilot medium	Lubricated operation possible
Ambient temperature	-10 ... 60°C
Ambient temperature	14 ... 140°F
Corrosion resistance class CRC ¹⁾	1 - Low corrosion stress
Maritime classification ²⁾	See certificate

1) More information www.festo.com/x/topic/crc

2) More information www.festo.com/catalogue/qsm → Support/Downloads.

Materials – Push-in fittings

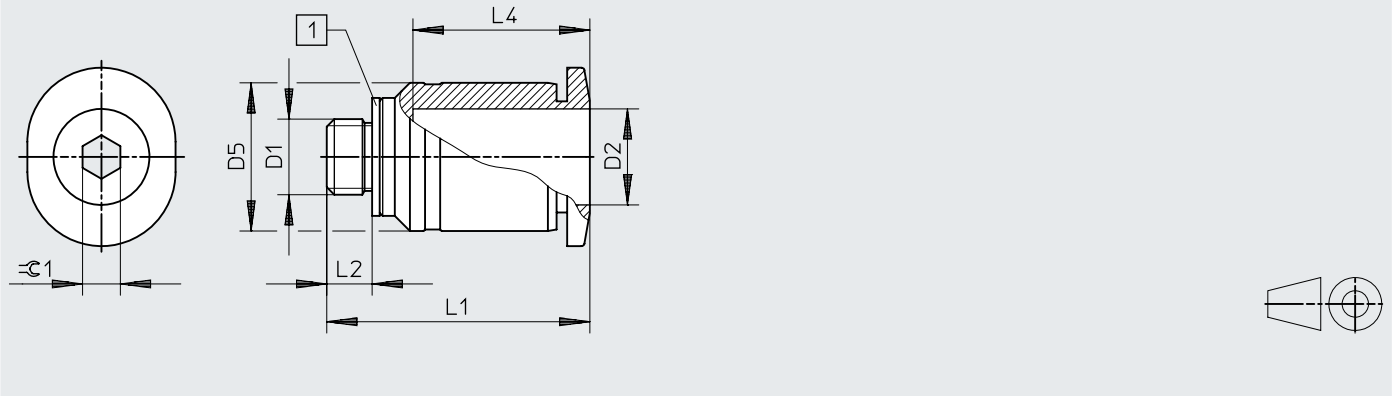
Short type code	QSM	QSML
Material housing ¹⁾	Brass, Nickel-plated	PBT
Material release ring	POM	
Colour of release ring	grey	
Material tubing seal	NBR	
Material tubing clamp component	High-alloy stainless steel	
Note on materials	RoHS-compliant	
LABS (PWIS) conformity	VDMA24364-B1/B2-L	

1) QSM-M3-3/4: Nickel-plated steel (instead of nickel-plated brass)

Dimensions

Dimensions – Push-in fitting QSM, metric thread with sealing ring

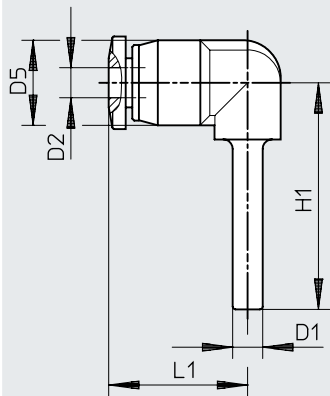
Download CAD data www.festo.com



	D1	D2 [inch]	D5 ø	L1	L2	L4	≈
QSM-M3-1/8-I-U-M	M3	1/8	8	15,7	2,5	11,5	1,5
QSM-M5-1/8-I-U-M	M5	1/8	8	16,2	3	11,5	2
QSM-M7-1/8-I-U-M	M7	1/8	9,8	18,9	5,5	11,5	2
QSM-M3-5/32-I-U-M	M3	5/32	8	15,7	2,5	11,5	1,5
QSM-M5-5/32-I-U-M	M5	5/32	8	16,2	3	11,5	2,5
QSM-M3-3/16-I-U-M	M3	3/16	9,8	17,4	2,5	12,1	1,5
QSM-M5-3/16-I-U-M	M5	3/16	9,8	17,9	3	12,1	2,5
QSM-M7-3/16-I-U-M	M7	3/16	9,8	21	5,5	12,1	3
QSM-M5-1/4-I-U-M	M5	1/4	9,8	17,4	3	11,7	2,5
QSM-M7-1/4-I-U-M	M7	1/4	9,8	18,9	5,5	11,7	4

Dimensions

Dimensions – Push-in L-connector QSML [Download CAD data](#) www.festo.com



	D1 [inch]	D2 [inch]	D5	H1	L1
QSML-1/8H-U	1/8	1/8	9	24	14,7
QSML-5/32H-U	5/32	5/32	9	25	14,7

Ordering data

Push-in fitting QSM, metric thread with sealing ring							
	Pneumatic connection, port 1	Pneumatic connection, port 2	Nominal size	Size of pack	Product weight	Part no.	Type
	Male thread M3	For tubing outside diameter of 5/32"	0.059 in	1	2.211 oz	★ 130592	QSM-M3-5/32-I-U-M
		For tubing O.D. 1/8"			2.296 oz	★ 183751	QSM-M3-1/8-I-U-M
		For tubing outside diameter of 3/16"	0.055 in		3.487 oz	183752	QSM-M3-3/16-I-U-M
	Male thread M5	For tubing outside diameter of 5/32"	0.098 in	10	3.005 oz	★ 130593	QSM-M5-5/32-I-U-M
		For tubing O.D. 1/8"	0.079 in			★ 183749	QSM-M5-1/8-I-U-M
		For tubing outside diameter of 3/16"	0.091 in	1	4.593 oz	183750	QSM-M5-3/16-I-U-M
		For tubing outside diameter of 1/4"	0.098 in		3.799 oz	★ 130591	QSM-M5-1/4-I-U-M
	Male thread M7	For tubing O.D. 1/8"	0.079 in		6.209 oz	★ 183738	QSM-M7-1/8-I-U-M
		For tubing outside diameter of 3/16"	0.083 in		5.897 oz	183739	QSM-M7-3/16-I-U-M
		For tubing outside diameter of 1/4"	0.114 in		3.997 oz	★ 183740	QSM-M7-1/4-I-U-M

Push-in L-connector QSML							
	Pneumatic connection, port 1	Pneumatic connection, port 2	Nominal size	Size of pack	Product weight	Part no.	Type
	Push-in sleeve Ø 1/8"	For tubing O.D. 1/8"	1.2 mm	1	1.7 g	190620	QSML-1/8H-U
	Push-in sleeve Ø 5/32"	For tubing outside diameter of 5/32"	1.9 mm			190621	QSML-5/32H-U