

Pneufit® M PUSH-IN fittings, metric Ø 3, 4 and 6 mm O/D tube

Miniature Pneufit® M an ultra compact alternative where space is at a premium.

Releasable stainless-steel grab-ring to grip PA or PUR tube (85 or 95 durometer).

Nickel plated brass components provide corrosion and contamination resistance and an extended life.

Pre applied thread sealant on all taper threads and recessed captive O-ring on parallel threads provides optimum rapid sealing.



Technical features

Medium:

Compressed air

Operating pressure:

10 bar max.

Vacuum:

750 mmHg

Tube sizes:

3, 4, and 6 mm

Thread sizes:

M3, M5, M6, R1/8 and Rc1/8

Tubing types:

PA 11 or 12

PUR 85, 95 or 98 durometer

Operating temperature:

0°C ... +60°C

Materials

Body: PBT

Seals: NBR (silicone free)

u-packing and O-rings

Threaded bodies: nickel plated brass

Backing ring: POM

Grab-ring: stainless steel

Collar: nickel plated brass

Thread sealant: Chemitech G-175L

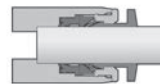
Method of assembly



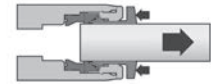
1. Ensure that the end of the tube is cut square and is free from burrs.



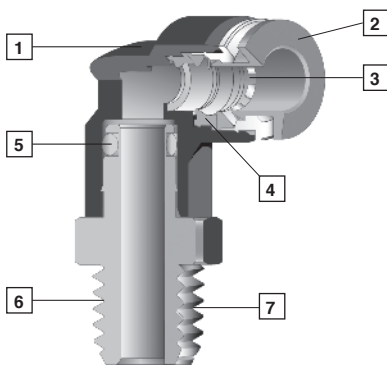
2. Push the tube through the collet into the fitting.



3. Continue pushing the tube through the 'O'-ring until it bottoms on the tube stop then pull back.



4. To disconnect push the tube into the fitting, hold down the collet and withdraw the tube.



- 1 Impact resistant PBT body in grey
- 2 Release buttons are grey
- 3 Stainless steel grab ring with special design to retain softer tube and provide easy releasability.
- 4 Silicon free U-packing provides leak tight tube seal under side loading.
- 5 Stem seal provides leak tight 360° swivel connection.
- 6 Nickel plated brass threads
- 7 Pre-applied thread sealant on tapered threads and recessed captive O-ring on parallel threads.

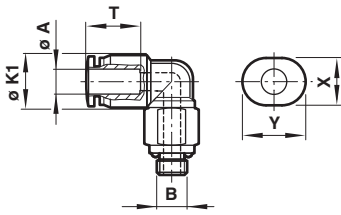
Option selector

M0 ★★★★★★

Thread type
Shape

Thread size/tube size
Thread size/tube size

Typical dimensions



Ø A	Ø K1	T	X	Y
3	7,5	11,5	7	9
4	8,5	12	8	10,5
6	11	13	10	12,5

B	Recommended torque
M3	0,7 Nm
M5	1,5 Nm
M6	2,3 Nm
R1/8	7 Nm

Straight adaptors and connectors

Straight union (equal)
M0020



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Straight union (unequal)
M0020



Page 3

Straight adaptor (external hex only)
M0125/M0225



Page 3

Straight adaptor (internal hex only)
M012A/M022A



Page 3

Straight adaptor
M0126/M0226



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Elbow adaptors and connectors

Union elbow
M0040



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90° Swivel elbow adaptor
M0147/M0247



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Union tee
M0060



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Swivel tee adaptor
M0167/M0267



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Swivel side tee adaptor
M0168/M0268



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Y connectors

Union Y (equal)
M0082

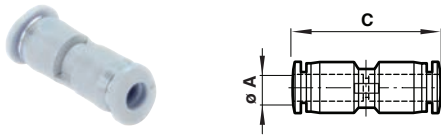


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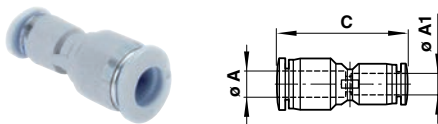
Union Y (unequal)
M0082



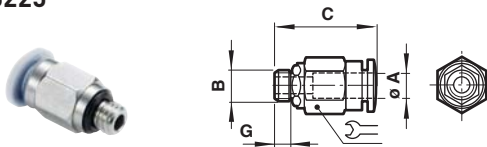
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**Straight union
M0020**

Equal

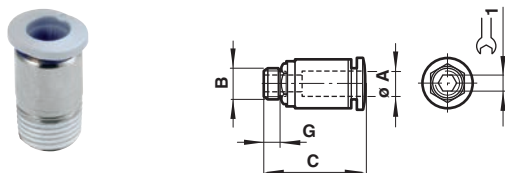
Ø A	C	Model
3	23,5	M00200300
4	26	M00200400
6	26,5	M00200600


Unequal

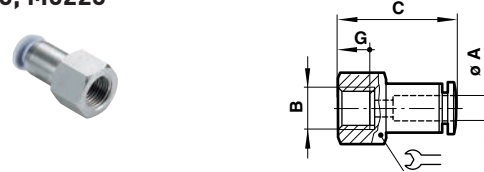
Ø A	A1	C	Model
4	3	24	M00200403
6	3	24	M00200603
6	4	26,5	M00200604

**Straight adaptor (external hex only)
M0125, M0225**


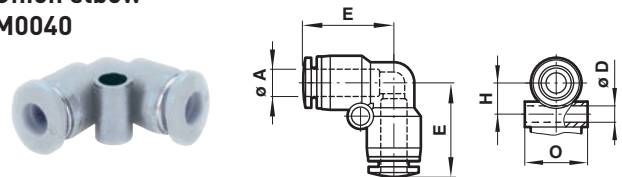
Ø A	B	C	G	Hex	Model
3	M3	17	4	7	M02250303
3	M5	17,5	4,5	8	M02250305
3	M6	18	5	8	M02250306
4	M3	17,5	4	8	M02250403
4	M5	18	4,5	8	M02250405
4	M6	19	5	8	M02250406
4	R1/8	19	6	12	M01250418
6	M5	19,5	4,5	10	M02250605
6	M6	20	5	10	M02250606
6	R1/8	19,5	8	12	M01250618

**Straight adaptor (internal hex only)
M012A, M022A**


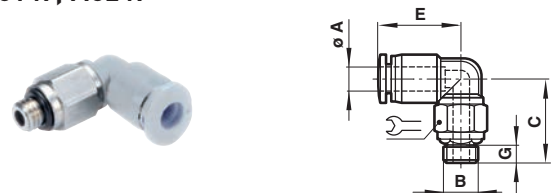
Ø A	B	C	G	Hex	Model
3	M3	17	4	1,5	M022A0303
3	M5	17,5	4,5	2	M022A0305
3	M6	18	5	2	M022A0306
4	M3	17,5	4	1,5	M022A0403
4	M5	19	4,5	2,5	M022A0405
4	M6	19	5	3	M022A0406
4	R1/8	17,5	8	3	M012A0418
6	M5	19,5	4,5	2,5	M022A0605
6	M6	20	5	3	M022A0606
6	R1/8	19,5	8	2,5	M012A0618

**Straight adaptor (female thread)
M0126, M0226**


Ø A	B	C	G	Hex	Model
3	M3	17,5	4	8	M02260303
3	M5	19	6	8	M02260305
3	M6	19	6	8	M02260306
4	M3	18	4	8	M02260403
4	M5	19,5	6	8	M02260405
4	M6	19,5	6	8	M02260406
4	Rc1/8	23	8,5	12	M01260418
6	M5	21,5	6	10	M02260605
6	M6	21,5	6	10	M02260606
6	Rc1/8	25,5	8,5	12	M01260618

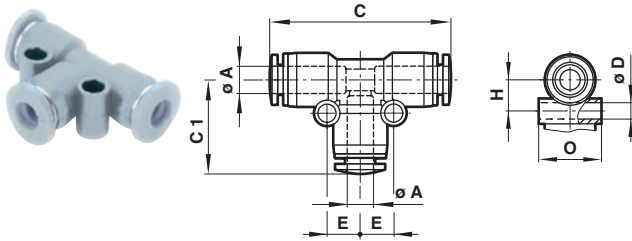
**Union elbow
M0040**


Ø A	Ø D	E	H	O	Model
3	3,2	13,5	5,5	7,5	M00400300
4	3,2	14,5	6	8,5	M00400400
6	3,2	16,5	7	10,5	M00400600

**90° Swivel elbow adaptor
M0147, M0247**


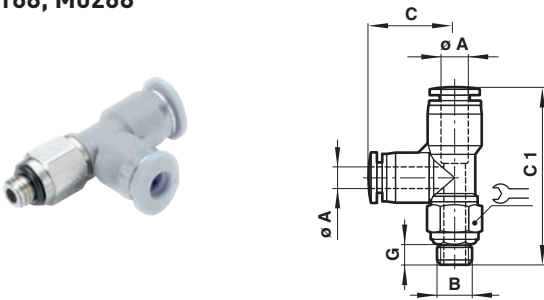
Ø A	B	C	E	G	Hex	Model
3	M3	16	13,5	3	8	M02470303
3	M5	17	13,5	4	8	M02470305
3	M6	17	13,5	4	8	M02470306
4	M3	16	14,5	3	8	M02470403
4	M5	17	14,5	4	8	M02470405
4	M6	17	14,5	4	8	M02470406
4	R1/8	18	14,5	6	14	M01470418
6	M5	17	15,5	3,5	8	M02470605
6	M6	17	15,5	4	8	M02470606
6	R1/8	18	15,5	5	14	M01470618

**Union T
M0060**



Ø A	C	C1	Ø D	E	H	O	Model
3	26,5	13,5	3,2	5,5	5,5	7,5	M00600300
4	28,5	14,5	3,2	6	6	8,5	M00600400
6	33	16,5	3,2	7	7	10,5	M00600600

**Swivel side tee adaptor
M0168, M0268**



Ø A	B	C	C1	G	Model
3	M3	13,5	29,5	3	M02680303
3	M5	13,5	30	4	M02680305
3	M6	13,5	30,5	4	M02680306
4	M3	14	30,5	3	M02680403
4	M5	14	31	3,5	M02680405
4	M6	14	31,5	4	M02680406
4	R1/8	14	31,5	6	M01680418
6	M5	16,5	33,5	3,5	M02680605
6	M6	16,5	34	4	M02680606
6	R1/8	16,5	33,5	6	M01680618

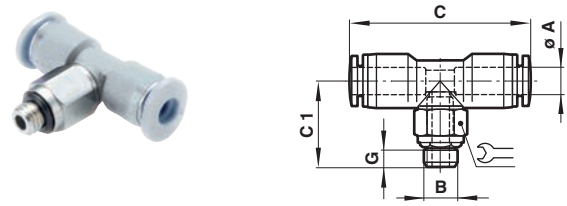
Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »**Technical features**«.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN.

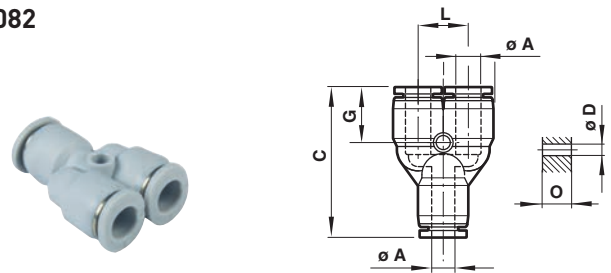
Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

**Swivel tee adaptor
M0167, M0267**



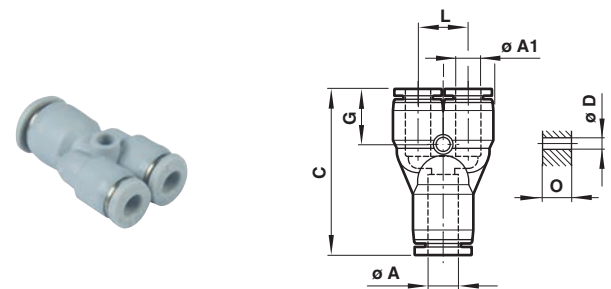
Ø A	B	C	C1	G	Model
3	M3	25,5	16	3	M02670303
3	M5	29	17	4	M02670305
3	M6	27	17	4	M02670306
4	M3	28,5	16	3	M02670403
4	M5	28,5	17	3,5	M02670405
4	M6	29	17	4	M02670406
4	R1/8	29	18	6	M01670418
6	M5	31	17	3,5	M02670605
6	M6	31	17	4	M02670606
6	R1/8	31	18	6	M01670618

**Union Y
M0082**



Equal

Ø A	C	D	H	L	O	Model
3	27	3,2	11	8	7,5	M00820300
4	28	3,2	11,5	9	8,5	M00820400
6	31	3,2	12	11,5	11	M00820600



Unequal

Ø A	Ø A1	C	D	G	L	O	Model
4	3	27,5	3,2	11	8	8,5	M00820403
6	3	28,5	3,2	11	8	11	M00820603
6	4	29	3,2	11,5	9	11	M00820604

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.