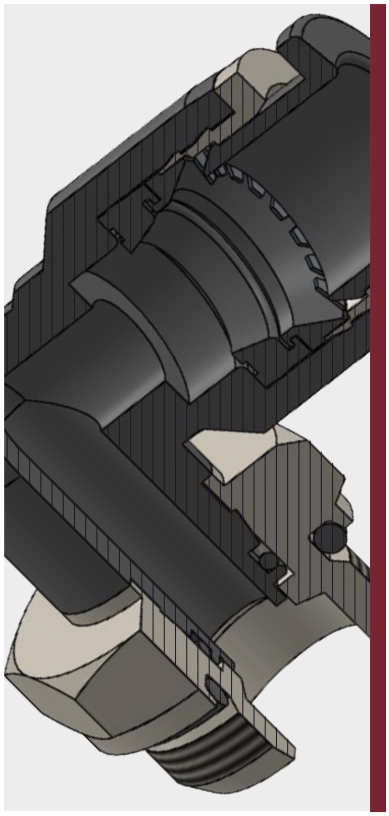


-20°C ÷ 80°C

Working pressure:
16 Bar
Negative pressure:
- 0,95 Bar (- 95 kPa)

Compressed air & Vacuum
(do not use in water application)

- Taper gas BSPT ISO 7
  from R1/8" to R1/2" with teflon
- Parallel gas BSPP ISO 228
  from G1/8" to G1/2"
- Metric ISO 262
  M5, M6 and M7
- NPT ANSI B 1.20.1
  from N1/8" to N1/2"
- UNF ANSI B 1.1
  10-32 UF

Polyamide PA,
Polyurethane PU,
Polyethylene PE

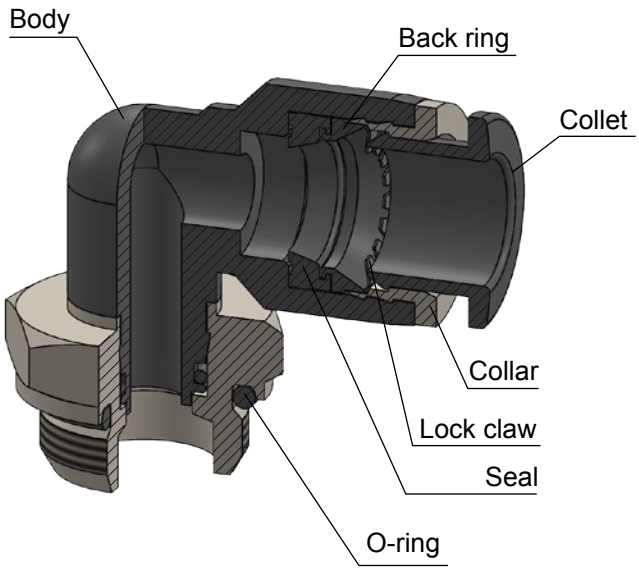
Body: Nickel-plated brass and PBT
Collet: POM
Collar: Zinc
Lock claw: Stainless steel AISI 301
Back ring: POM
Seal: NBR
O-ring: NBR

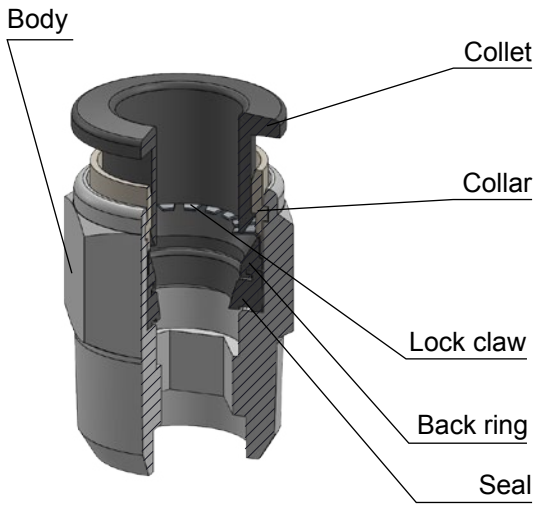
SILICONE FREE

REACH COMPLIANT — Products in compliance with EC Regulation 1907/2006

RoHS3 — Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS





TIGHTENING TORQUE
TAPER GAS BSPT ISO 7 & NPT ANSI B 1.20.1

THREAD	1/8" BSPT	1/4" BSPT	3/8" BSPT	1/2" BSPT	1/8" NPT	1/4" NPT	3/8" NPT	1/2" NPT
Nm	7	12	22	28	7	12	22	28

TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 22, METRIC ISO 262 & UNF

THREAD	10-32 UNF	M5x0,8	M6x1	M7x1	1/8" BSPP	1/4" BSPP	3/8" BSPP	1/2" BSPP
Nm	1,5	1,5	2	3	10	15	25	40

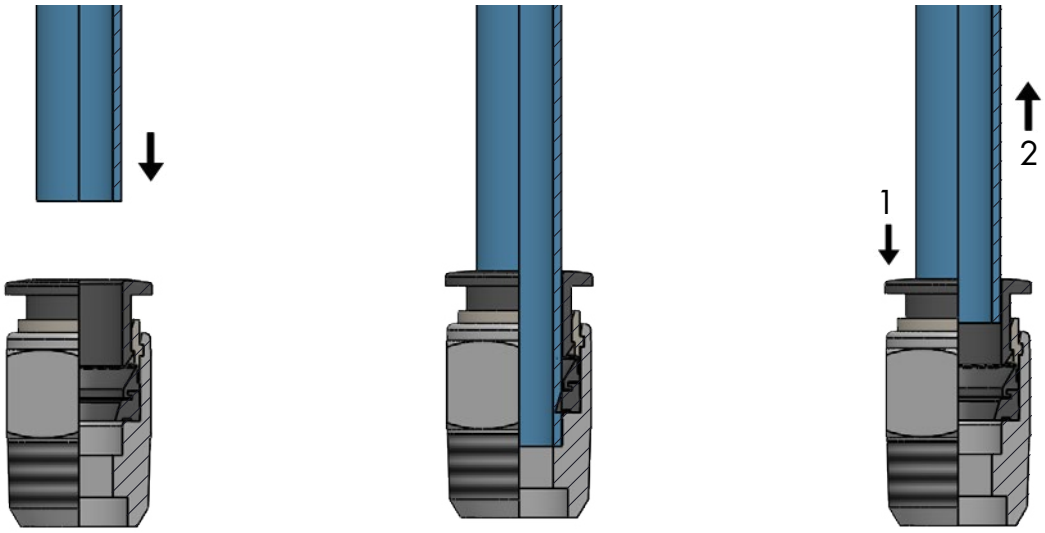
drawings and technical data are not binding & can be changed without notice

INSERTION OF THE TUBE INTO THE FITTING

- Make sure the tube is fully inserted into the fitting.
- To insert the tube into the fitting cut the tube off square (90°), insert tube up to the fitting end stop, and pull back gently to make sure it is correctly connected.
- If there is any damage or scratches on the tube surface the tube is an oval shape, air leakage and tube release may occur. Check the tube condition carefully.
- The OD of polyurethane tube expands when pressure is applied. Reinsertion into the fitting may not always be possible. Check the OD of the tube and renew it the expansion is out of tolerance.

DISCONNECTION OF THE TUBE FROM THE FITTING

- Make sure the pressure in the system is zero before releasing the tube from the fitting.
- To release the tube, press the release sleeve towards the fitting with one hand (1) and pull the tube away from the fitting with the other hand (2).
- Always remove the section of tube previously inserted into the fitting before reinserting the tube by cutting back the tube. Always use the correct tube cutter in order to cut the tube square and free of damage.



TOLERANCE - METRIC TUBE

Ø TUBE (mm)	4	6	8	10	12	14	16
TOLERANCE (mm)	± 0,1	± 0,1	± 0,1	± 0,15	± 0,15	± 0,15	± 0,15

INSERTION DEPTH - METRIC TUBE

Ø TUBE (mm)	4	6	8	10	12	14	16
TUBE INSERTION LENGHT (mm)	15	16,5	18,8	20,1	22,9	22,9	23,6

TOLERANCE - INCH TUBE

Ø TUBE (inch)	1/8	5/32	3/16	1/4	5/16	3/8	1/2
TOLERANCE (mm)	± 0,1	± 0,1	± 0,1	± 0,1	± 0,15	± 0,15	± 0,15

INSERTION DEPTH - INCH TUBE

Ø TUBE (inch)	1/8	5/32	3/16	1/4	5/16	3/8	1/2
TUBE INSERTION LENGHT (mm)	11,3	15	15,9	16,8	18,8	20,1	23,1

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