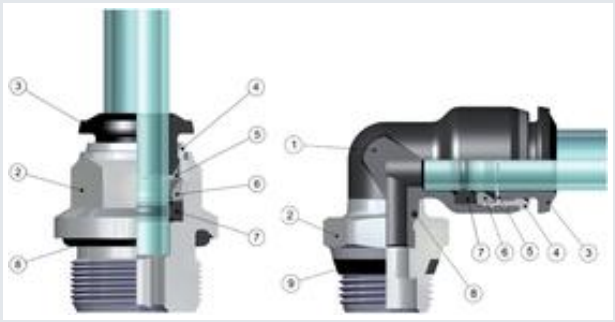


Component Parts and Materials

1 Technopolymeric Body
2 Nickel-plated brass Body
3 Acetalic resin Collet
4 Nickel-plated brass Capsule
5 Steel aisi 301 Clamping washer
6 Technopolymeric Safety ring
7 NBR Lip seal
8 NBR O-ring
9 NBR Thread packing

Connection Tubes
Plastic tubes: PA6 - PA11 - PA12 - Polyethylene - *Polyurethane - ecc.
*For Polyurethane hoses it is required a minimum hardness of 98 shore

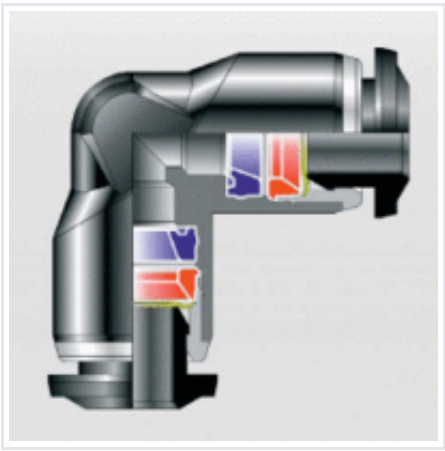
Temperatures
Minimum Temperature: -20 °C
Maximum temperature: +80 °C

Threads
"Short" taper thread
Parallel gas in conformity with ISO 228 Class A
Metric in conformity with ISO R/262

Pressures
Minimum pressure: -0.99 bar (-0.099 MPa)
Maximum pressure: 15 bar (1.5 MPa)

Fluids
Compressed air
Vacuum

Sizes
Tube: from 4 up to 14
Thread: from M5 up to 1/2



The 55000 series has been produced using innovative material such as last generation technopolymeric.
Thanks to the use of these new materials, we've been able to realise very light and safety fittings.
The use of thechnopolymeric fittings ensures to avoid dangerous eletrical phenomena and in case of overpressure there won't be any formation of splints. This is thanks to the materials features, they are ductile and not conductive.



The washer, made in stainless steel, ensures the perfect tube clamping with every kinds of materials without damage the surface.
The connection between the tube and the fitting ensures a total tightness even in severe conditions such as impact and vibrations.
The particular geometric shape of the seal ensures the perfect tightness even with vacuum.



All of threads from this range (also the M5), have been equipped with tightening parts which allow the direct assembly of the fittings, reducing the installation time.

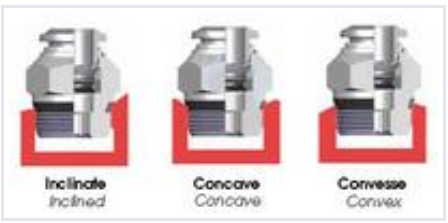


All the straight fittings, with "short" and parallel threads, can be assembled with Allen wrench and it is possible to use them in reduced spaces.



The "short" taper thread has been designed to offer the following advantages to the users:
- reduced overall lenght
- smaller hex dimension compared to the parallel threads
- to allow the assembly with different female threads both taper as well as parallel:

  - tapered NPT - NPTF
  - parallel ISO 7 - BSPP
  - tapered ISO 7 - BSPT PT
  - parallel ISO 228 - BSP - PF



- to ensure the right tightening also with surfaces not perfectly flat, without spot-facing, concave, convex and with different kinds of chamfers or radius.



Torque to Male Threads ISO-228 with OR		
Measure	Recommended Torque Nm	Breaking Torque Nm
M5	0.08	0.32
1/8	3	8
1/4	9	30
3/8	10	60
1/2	12	50
Breaking values may vary according to the item		



Torque to Male Threads "Short"		
Measure	Recommended Minimum Torque Nm	Recommended Max Torque Nm
1/8	5	7
1/4	5	7
3/8	5	7
1/2	5	7
Breaking values may vary according to the item		