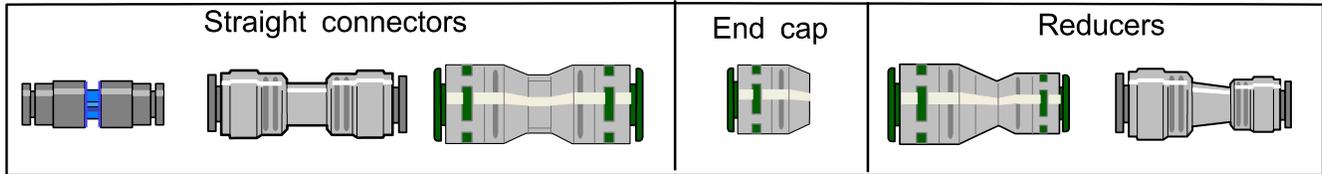


FibreFlow™ Blown Fibre Push-Fit Connectors

PRODUCT DESCRIPTION:
(sketches of typical connector shapes are for information only).

Details of the common push-fit straight connector, end cap, size-change connector. In sizes to match the microproduct (m/d) diameters, the fittings are pushed onto a clean-cut m/d end and make a seal with internal O-rings. If the m/d is pulled away from the connector, internal teeth and a tapered body cause the tube to be gripped tighter. Removal of the m/d is achieved by pressing the collet inwards. Emtelle manuals explain more on connector features and use. Other products with similar performance are also available, eg, water-block, gas-block, closedowns, guaranteed seal, bulkhead, etc.

MATERIALS (typical): BODY: acetal copolymer, impact resistant; some are transparent.
 COLLET: acetal copolymer, stainless steel teeth
 O-RINGS: nitrile rubber

CONNECTOR RANGE (all mm dimensions unless otherwise stated)

Straight Connectors (same m/d each end)	End Caps	Reducer Connectors (to connect different m/d sizes)	
3mm	3mm	5 - 3	10 - 7
4mm	4mm	5/2.1 – 3/2.1	10 - 8
5/3.5mm	5mm	5 - 4	12 - 5
5/2.1mm (2.1mm bore)		6 - 4	12 - 7
6mm	6mm	6.3 - 5 (3/16")	12 - 10
6.3mm (1/4")	6.3mm (1/4")	7 - 5	14 - 10
7/5.5mm	7mm	8/3.5 - 3	14 - 12
7/3.5mm (3.5mm bore)		8 - 4	16 - 12
8/6mm	8mm	8 - 5	
8/3.5mm (3.5mm bore)		8 - 6	
10/8mm	10mm	10 - 4	
12/10mm	12mm	10 - 5	
14/10mm	14mm	10 - 6	
16/12mm	16mm		

(Other connectors and sizes are also available)

PERFORMANCE:

1. Blowing Pressure: Between temperatures of -10°C and +40°C, all listed connector sizes can be used for blowing operations at pressures up to 15bar (not above 15 bar).

Between +40°C and +65°C, blowing pressures for connectors 10mm and larger should not exceed 10bar.

Note 1: The stated pressures are for blowing operations, not permanent pneumatic installations.

Note 2: Since larger connectors suffer greater 'push-out' forces, it may be wise at 14mm or greater to consider compression-fit connectors (screw end caps). Please discuss this with us for advice.

2. Gas Tightness Leakage at 8 bar gas pressure: 1ml/minute approx
 Leakage at 0.7 bar gas pressure: 0.01ml/minute approx

3. Water Ingress: The connectors shall seal against a 6m head of water.

4. Insertion force: 50N max (5kg)

5. Retention force: 25N min (3mm m/d) 125N min (8mm m/d)
 (collet not held in) 55N min (5mm m/d) 125N min (10mm m/d)

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