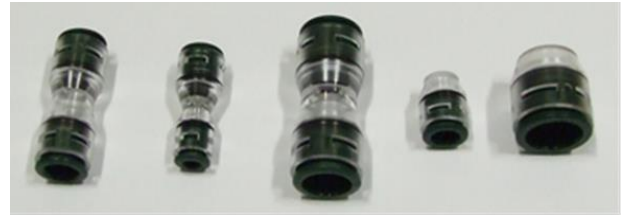




## Blown Fibre Push-Fit Connectors



(photos of typical connectors are shown)

### Product Description

Details of the common push-fit straight connector, end cap, size-change connector. In sizes to match the microduct (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.

### Material

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 Tube OD/ID		code	End Caps		code	Reducer Connectors (to connect different m/d sizes)	
3mm		9916	3mm		9932	5 - 3	9925
4mm		9917	4mm		9933	5/2.1 - 3/2.1	9926
5/3.5mm		9918	5mm		9934	5 - 4	71650
5/2.1mm (2.1mm bore)		7823				6 - 4	70294
6mm		7310	6mm		9975	6.3 - 5 (3/16")	9502
6.3mm (1/4")		7930				7 - 3	70407
7/5.5mm		9919	7mm		9935	7 - 4	70764
7/3.5mm (3.5mm bore)		70193			9935	7 - 4 (3.5 bore)	72059
8/6mm		9920	8mm		9936	7 - 5	70031
8/3.5mm (3.5mm bore)		9772			9936	8/3.5 - 3	70117
10/8mm		9921	10mm		9937	8 - 5	9927
12/10mm		9922	12mm		9938	8 - 6	73776
14/10mm		9923	14mm		9939	8 - 7	72024
14/12mm		9821			9939	10 - 5	70032
16/12 or 16/13		9924	16mm		70153	10 - 6	71048
						10 - 7	70033
						10 - 8	9928
						12 - 5	70034
						12 - 7	9929
						12 - 10	9930
						14 - 7	75592
						14 - 10	70035
						14 - 12	9931
						16 - 10	75544
						16 - 12	70036
						18 - 16	75529

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## Performance

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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 16bar. Between +40°C and +65°C, blowing pressures for 10mm and larger should not exceed 10bar.
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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