

## fibreflow Blown Fibre Push-Fit Connectors


**PRODUCT DESCRIPTION:**
*(photos of typical connectors are shown).*

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.

**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 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	6mm		9975	6 - 4	70294
6mm		7310	7mm		9935	6.3 - 5 (3/16")	9502
6.3mm (1/4")		7930			9935	7 - 3	70407
7/5.5mm		9919	8mm		9936	7 - 4	70764
7/3.5mm (3.5mm bore)		70193			9936	7 - 4 (3.5 bore)	72059
8/6mm		9920	10mm		9937	7 - 5	70031
8/3.5mm (3.5mm bore)		9772	12mm		9938	8/3.5 - 3	70117
10/8mm		9921	14mm		9939	8 - 5	9927
12/10mm		9922	16mm		70153	10 - 5	70032
14/10mm		9923				10 - 6	71048
14/12mm		9821				10 - 7	70033
16/12 or 16/13		9924				10 - 8	9928
						12 - 5	70034
						12 - 7	9929
						12 - 10	9930
						14 - 10	70035
						14 - 12	9931
						16 - 12	70036

**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 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.

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|----------------------------|-------------------|---------------------|
| 4. <b>Insertion force:</b> | 50N max (5kg)     |                     |
| 5. <b>Retention force:</b> | 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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