

## Connectors for microducts

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### Product description

Specification for the clear push fit straight connector. The fittings are designed to join microducts by being pushed onto a clean cut duct/tube end. A seal is made with internal O-rings. The design of the connector, which incorporates internal steel teeth, prevents accidental separation of the connector from the microduct once installed. Removal of the duct is achieved by pushing the green collet inwards. No tools are required for the insertion or removal of the fitting from the duct.

### Ordering information

Partnumber	Description	Duct dimension
1/MPB30601/7	Straight connector w. cover	7/3.5 mm
1/MPB30601/83	Straight connector w. cover	8/3.5 mm
1/MPB30601/8	Straight connector w. cover	8/4.4 mm
1/MPB30601/106	Straight connector w. cover	10/6 mm
1/MPB30601/128	Straight connector w. cover	12/8 mm
1/MPB30601/14	Straight connector w. cover	14/10 mm
1/MPB30601/16	Straight connector w. cover	16/12 mm

## Connectors for microducts



Component	Material
Body	Clear PC
Collet	POM
Grip Ring	Stainless Steel
O-Ring	Nitrile Rubber

### Temperature in operation

Minimum: -40°C  
 Maximum: +65°C  
 to BS-EN 50411-2-8:2009

### Leakage under pressure

16 bar: 1 ml/minute or better  
 0.4 bar: 0.01 ml/minute or better

### Insertion force

12mm and below 50N  
 14mm and above 120N  
 to BS EN 50411-2-8:2009

### Pressure in operation

Continuous up to 16 bar  
 Burst Pressure exceeds 25 bar

### Water ingress

Zero ingress after 15 mins @ 40kpa water  
 over pressure @ 23°C. EN 61300-2-38 Method A  
 Rated @ IP68

### Retention force

3mm: 25N  
 5mm: 55N  
 8mm to 16mm: 125N  
 to BS EN 50411-2-8:2009

## Summary Results of Testing to BS EN 50411-2-8:2009

Test	Result
Vibration (sinusoidal)	PASS visual and sealing performance test
Microduct Retention	PASS visual and sealing performance test
Microduct Bending	PASS visual and sealing performance test
Torsion	PASS visual and sealing performance test
Crush Resistance	PASS visual and sealing performance test
Impact Resistance	PASS visual and sealing performance test
Microduct Re-Entry	PASS visual and sealing performance test
Temperature Cycling	PASS visual and sealing performance test
Salt Mist	PASS visual and sealing performance test
Insertion Force	PASS visual and sealing performance test