



Microduct Connectors and End Stops

For 3-20 mm Microducts

Features

- Easy "push-in" installation
- For above ground use or direct buried use with external cover
- Case locks the connector to prevent accidental removal of duct
- For 3 to 20 mm microducts

Application

The connectors and end caps for microducts provide a quick, easy and secure connection or water sealing of microducts.

The product comes in three different versions:

- Straight Connectors are used to join sections of microducts
- Reduction Connectors are used to join microducts of different dimensions
- End Stops are used to block open duct ends and prevent water and dirt from entering the microduct

For installation directly into the ground, use versions with external cover.

The connectors are tested for best functionality in combination with the Hexatronic air blown fibers, nano cables and micro cables.

Design

The design of the connector incorporates pressure tight seals with O-rings and internal steel teeth that prevents accidental separation of the connector from the microduct once installed.

Removal of the duct is achieved by pushing the green collet inwards.

To increase crush resistance when installed direct buried, an external plastic cover is used. The cover prevent the accidental release of collets during installation and provide protection and impact resistance in use.

Product Information

Body: Clear PC

Collet: POM

Grip Ring: Stainless Steel

O-Ring: Nitrile Rubber

Cover: PP

Technical Information

Product Color	Body: Clear Collet: Blue
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Temperature, Operation [°C]	-40 to +65
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IP Rating	IP68
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Conformance

Microduct Bending: EN 50411-2-8, -15/+45 °C, +/-30° - Pass

Crush Resistance: EN 50411-2-8, -15/+45 °C - 450 N710 min - Pass

Impact Resistance: EN 50411-2-8, -15/+45 °C - 450 N710 min - Pass

Insertion Force: EN 50411-2-8, 50/120 N - Pass

Tightness: DTAG B.2.4.3.1, 15 bar/1h, p< 10 % - Pass

Microduct Retention: DTAG B.2.4.3.2, 238/685 N

Burst: DTAG B.2.4.3.3, min 30 bar - Pass

Spade test: DTAG B.2.4.3.4 - Pass

Tests performed on typical samples of 7 mm and 16 mm connectors.

Installation Notes

Working Pressure: <15 bar

Max pressure (burst): 25 bar

Ordering Information

The articles are ordered in individual pieces, but delivered in packs with defined quantities. See pack size in the article list below.

Articles

Article name	Color	Layout	Weight [kg]	Form of Delivery	
Straight connector 3/2mm MPB30601/30	Clear	3/2	0.002	50 pcs/ pack	
Straight connector 5/3.5mm MPB30601/50	Clear	5/3.5	0.03	50 pcs/ pack	
Straight connector 7/3.5mm MPB30601/7	Clear	7/3.5	0.004	50 pcs/ pack	
Straight con 7/3.5mm w cover 1/MPB30601/7	Clear	7/3.5	0.01	25 pcs/ pack	
Straight con 7/4mm w cover 1/MPB30601/74	Clear	7/4	0.01	25 pcs/ pack	
Straight connector 10/6mm 1/MPB30601/106	Clear	10/6	0.008	20 pcs/ pack	
Straight connector 10/8mm MPB30601/100	Clear	10/8	0.008	25 pcs/ pack	
Straight connector 12/10mm MPB30601/120	Clear	12/10	0.011	25 pcs/ pack	
Straight con 12/8 mm w cover 1/MPB30601/128	Clear	12/8	0.018	15 pcs/ pack	
Straight connector 14/10mm MPB30601/140	Clear	14/10	0.016	20 pcs/ pack	
Straight con 14/10mm w cover 1/MPB30601/14	Clear	14/10	0.019	10 pcs/ pack	
Straight con 14/12mm w cover 1/MPB30601/1412	Clear	14/12	0.02	10 pcs/ pack	
Straight con 16/10mm w cover 1/MPB30601/1610	Clear	16/10	0.027	5 pcs/ pack	
Straight con 16/12mm w cover 1/MPB30601/16	Clear	16/12	0.025	5 pcs/ pack	
Straight connector 18/12mm MPB30601/180	Clear	18/12	0.02	5 pcs/ pack	
Straight con 18/12mm w cover 1/MPB30601/180	Clear	18/12	0.04	5 pcs/ pack	
Straight con 18/14mm w cover 1/MPB30601/18	Clear	18/14	0.03	5 pcs/ pack	
Straight con 20/15mm w cover 1/MPB30601/2015	Clear	20/15	0.04	4 pcs/ pack	
Straight con 20/16mm w cover 1/MPB30601/2016	Clear	20/16	0.03	5 pcs/ pack	
Reduction con 5/3.5-3/2 mm MPB30603/50	Clear	5/3.5-3/2	0.010	50 pcs/ pack	
Reduction con 7/3.5-5/3.5mm MPB30603/70	Clear	7/ 3.5-5/ 3.5	0.014	50 pcs/ pack	
Reduction Connector 12/10-10/8 mm MPB30603/1210	Clear	12/10-10/8	-	25 pcs/ pack	

Article name	Color	Layout	Weight (kg)	Form of Delivery	
Reduction Connector 14/10-12/10 mm MPB30603/140	Clear	14/ 10-12/ 10	0.025	20 pcs/ pack	
Reduction Connector 16/12-14/10 mm MPB30603/16	Clear	16/ 12-14/ 10	0.025	15 pcs/ pack	
Reduction Connector 16/12-12/10 mm HMPB30603/16	Clear	16/ 12-12/ 10	0.025	15 pcs/ pack	
End stop 3mm MPB30606/30	Clear	3	0.002	50 pcs/ pack	
End stop 5mm MPB30606/50	Clear	5	0.002	150 pcs/ pack	
End stop 7mm MPB30606/70	Clear	7	0.003	100 pcs/ pack	
End stop 7mm w cover 1/MPB30606/7	Clear	7	0.006	25 pcs/ pack	
End stop 10mm MPB30606/100	Clear	10	0.005	50 pcs/ pack	
End stop 12mm MPB30606/120	Clear	12	0.007	50 pcs/ pack	
End stop 14mm MPB30606/140	Clear	14	0.009	40 pcs/ pack	
End stop 14mm w cover 1/MPB30606/14	Clear	14	0.012	10 pcs/ pack	
End stop 16mm MPB30606/160	Clear	16	0.012	30 pcs/ pack	
End stop 16mm w cover 1/MPB30606/16	Clear	16	0.017	5 pcs/ pack	
End stop 18mm MPB30606/180	Clear	18	0.015	25 pcs/ pack	
End stop 18mm w cover 1/MPB30606/18	Clear	18	0.02	5 pcs/ pack	
End stop 20mm w cover 1/MPB30606/20	Clear	20	0.02	2 pcs/ pack	