

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

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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
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 tyical 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 [lbs/kft]	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	0.019	15 pcs/ pack

Article name	Color	Layout	Weight [lbs/kft]	Form of Delivery
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	0.019	10 pcs/ pack
Straight con 16/10mm w cover 1/MPB30601/1610	Clear	16/10	0.025	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	0.016	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	0.04	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	0.04	5 pcs/pack
Reduction con 5/3.5-3/2 mm MPB30603/50	Clear	5/3.5-3/2	0.014	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	0.025	25 pcs/ pack
Reduction Connector 14/10-12/10 mm MPB30603/140	Clear	14/ 10-12/ 10	–	20 pcs/ pack
Reduction Connector 16/12-14/10 mm MPB30603/16	Clear	16/ 12-14/ 10	–	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

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Article name	Color	Layout	Weight [lbs/kft]	Form of Delivery
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

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