

Microduct Reducer Connectors

The microduct reducer connectors, used to connect one micro duct to another micro duct with the different diameter, make splicing MicroDuct fast and easy. Simply push the MicroDucts into the center of the coupling. No tools are required.

The coupler can be connected and disconnected 10 times and still maintain the high performance requirements for air blown installation systems.

MicroDuct reducer connector operate at 15 BAR (218 psi) with a maximum permissible leakage rate of 1cc/min. This is equivalent to 1 bubble every 3 seconds. Higher pressures have been used in the field with no increase in leakage rate. Quick Burst rating is 25 BARS (363 psi).

Features

- Connect two microducts which are different outer diameter
- Easy installation without special tools
- Transparent plastic body, easy to observe the situation
- Standard EN50411-2-8
- Internal cone hole to prevent fiber hang up



Material and Performance:

Body Material: PC , impact resistant

Collect Material: POM, stainless steel teeth

O-rings Material: Nitrile rubber

1. Blowing Pressure: Between temperatures of -10°C and +60°C , all connectors size can be used for blowing operations at pressures up to 16bar.
2. Burst Pressure: > 26bar
3. Gas Tightness: Leakage at 16 bar gas pressure: 1ml/minute approx.
Leakage at 0.7bar gas pressure: 0.1ml/minute approx.
4. Water ingress: The connectors shall seal against a 6m head of water.
5. Insertion force: 50N max (5kg)
6. Retention force: 25N min (3mm m/d) 55N min (5mm m/d) 125N min (8mm m/d)
(collect not held in) 125N min (10mm m/d) 155N min (14mm microduct)

Specification	Duct OD/ID(MM)	Duct OD/ID(MM)	Taper Hole(mm)
MRC5-3/2.1	5/ 3.5	3/2.1	3.5>2.1
MRC5-4/2.5	5/ 3.5	4/2.8	3.5>2.8
MRC7-3/2.1	7/ 3.5	3/2.1	5.5>2.1
MRC7-4/2.8	7/ 5.5	4/2.8	5.5>2.8
MRC7-5/3.5	7/ 5.5	5/3.5	5.5>3.5
MRC8-3/2.1	8/6	3/2.1	6>2.1
MRC8-5/3.5	8/6	5/3.5	5.5>3.5
MRC8-7/3.5	8/6	7/5.5	6>3.5
MRC10-5/3.5	10/8	5/3.5	8>3.5
MRC10-7/5.5	10/8	7/5.5	8>5.5
MRC10-8/6	10/8	8/6	8>6
MRC12-5/3.5	12/10	5/3.5	8>3.5
MRC12-7/5.5	12/10	7/5.5	8>5.5
MRC12-8/6	12/10	8/6	8>6
MRC12-10/8	12/10	10/8	10>8
MRC12.7-12/10	12.7/10	12/10	12.7>10
MRC14-7/3.5	14/10	7/3.5	10>3.5
MRC14-10/8	14/12	10/8	12>8
MRC14-12/10	14/12	12/10	12>10
MRC16-10/8	16/13	10/8	13>8
MRC16-12/10	16/13	12/10	13>10
MRC16-14/10	16/ 13	14/10	13>10
MSC18-14/10	18 /14	14/10	14>10