# Microduct Straight Connectors

The micro duct straight connectors, used to connect one micro duct to another micro duct with the same diameter, make splicing MicroDuct fast and easy. Simply push the Micro Ducts into the center of the micro duct straight connector. No tools are required. The micro duct straight connector can be connected and disconnected 10 times and still maintain the high-performance requirements for air blown installation systems.

Micro duct straight connector operates at 16 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.

## Features

--Connect two microducts which are the same outer diameter

--Easy installation without special tools

--Transparent plastic body, easy to observe the situation

--Standard EN50411-2-8

--FR Resistance styles are available

## 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℃ and +60℃, 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) |
|---|---|
| MSC-3/2.1 | 3/ 2.1 |
| MSC-4/2.5 | 4/ 2.5 |
| MSC-5/3.5 | 5/ 3.5 |
| MSC-6/4 | 6/ 4 |
| MSC-7/3.5 | 7/ 3.5 |
| MSC-7/4 | 7/ 4 |
| MSC-7/5.5 | 7/ 5.5 |
| MSC-8/3.5 | 8/ 3.5 |
| MSC-8/6 | 8/ 6 |
| MSC-10/6 | 10/ 6 |
| MSC-10/8 | 10/ 8 |
| MSC-12/8 | 12/ 8 |
| MSC-12/10 | 12 / 10 |
| MSC-12.7/10 | 12.7/ 10 |
| MSC-14/10 | 14 / 10 |
| MSC-14/12 | 14/ 12 |
| MSC-15/12 | 15/ 12 |
| MSC-16/12 | 16/ 12 |
| MSC-16/13 | 16/ 13 |
| MSC-16/14 | 16 / 14 |
| MSC-18/12 | 18/ 12 |
| MSC-18/14 | 18/ 14 |
| MSC-20/16 | 20 /16 |