



The Dolomite Centre Ltd.
Unit 1, Anglian Business Park, Orchard Road,
Royston, Hertfordshire, SG8 5TW, UK

T: +44 (0)1763 242491
F: +44 (0)1763 246125
E: dolomitesales@syrris.com
W: www.dolomite-centre.com

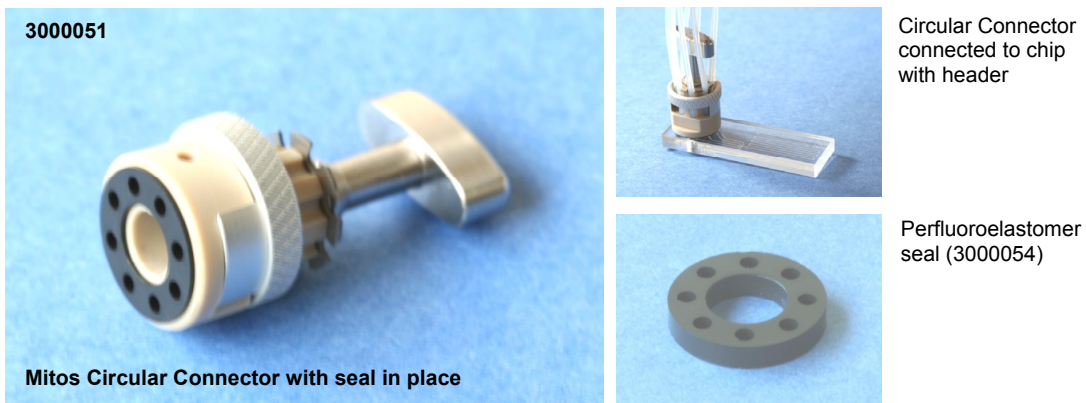
The Dolomite Centre Limited
Registered office: 27 Jarman Way,
Royston, Hertfordshire, SG8 5HW, UK
Company No. 05640084

INFORMATION SHEET

Part name	Mitos Circular Connector 8-way	Part number	3000051
-----------	--------------------------------	-------------	---------

Description

The Mitos Circular Connector allows fast and reliable connection between Dolomite chips and 1.6mm tubing. The Circular Connector works with chips that are 2-4mm thick and also have a location pin in place. This is shown in the diagram below:

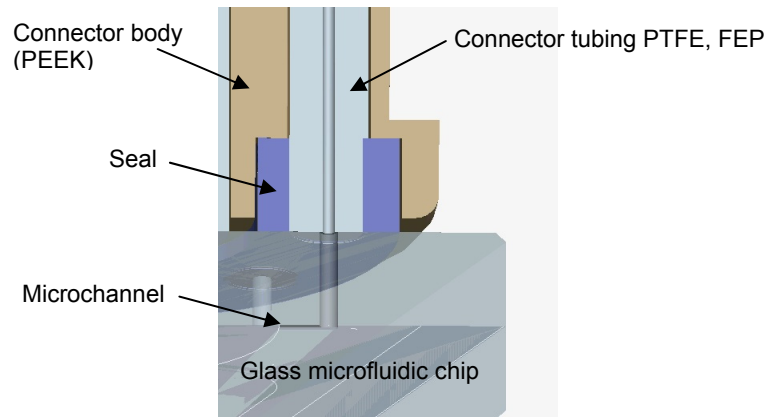


Benefits

- Compact
- Automatic alignment
- Low dead volume
- Quick connect/disconnect
- Wide temperature and pressure range
- Low cost
- Excellent chemical compatibility

	Circular connector specification	Value
1	Number of ports	8
2	Chip thickness options	2-4 mm
3	Chip width options	>12 mm
4	Chip length options	12 mm – 90 mm
5	Outside diameter of connection tubing	1.6 mm (1/16 inch)
6	Inside diameter of connection tubing	0.25 mm, 0.5 mm, 0.8 mm
7	Connection tubing material	PTFE, FEP
8	Operating pressure	20 Bar
9	Operating temperature range of seal	-15 to 260 °C
10	Wetted materials	Glass, PTFE, and perfluoroelastomer
11	Connector materials	PEEK, Stainless Steel 316
12	Dead volume	< 0.3 µl per port

Cross-sectional view of sealing interface



Circular connector geometry (with 45mm long chip)

