

CIRCULAR CONNECTOR

USER INSTRUCTIONS





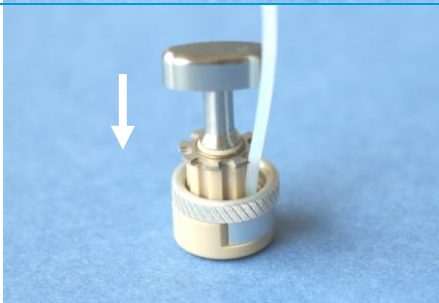

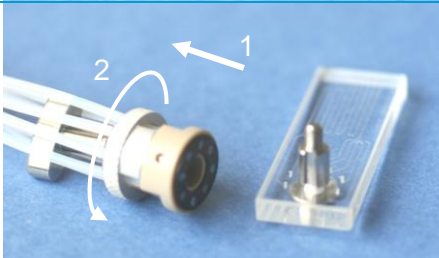
Contents

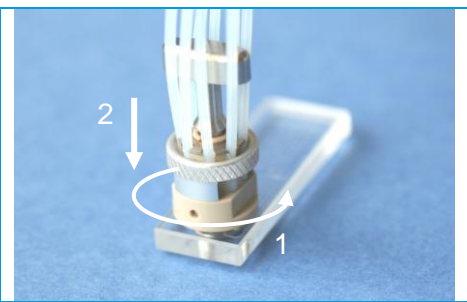
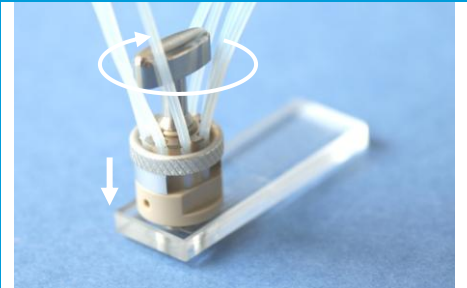
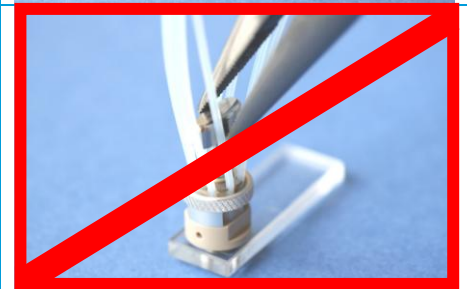

1.	Circular Description	3
2.	Assembly Instructions	3

1. Description

The Circular Connector (Part No. 3000051) allows fast and reliable connection between Dolomite chips and 1.6mm tubing. The circular connector works with chips that are 2-4mm thick, >12mm wide and also have an alignment pin in place.

2. Assembly Instructions

1	<p>Insert the Circular Connector seal (Part No. 3000054) into the Circular Connector.</p>	
2	<p>Insert a tube (1/16inch, 1.6mm outside diameter) into one of the holes.</p> <p>Note: make sure the end of the tube has been cut with a clean 90° face.</p>	
3	<p>Push the face of the seal down onto a flat surface to align the end faces of the tubes with the face of the seal.</p>	
4	<p>Repeat with the other seven tubes.</p> <p>Note: Make sure that all eight tubes are present in the circular connector, even if some of the tubes do not connect to a microchannel on the chip. This will ensure the seal works at higher pressures.</p>	
5	<p>Lift the holding ring so that the tubes snap into the cleats. Then rotate the holding ring to ensure the tubes are held in the cleats.</p>	

<p>6</p>	<p>Place the Circular Connector onto the alignment pin on the chip. Rotate the Circular Connector until it drops down and locates on an alignment feature.</p>	
<p>7</p>	<p>Turn the thumbscrew to tighten down the connector.</p>	
<p>8</p>	<p>Do not over-tighten the thumbscrew. This can result in damage to the chip.</p>	
<p>9</p>	<p>Do not unscrew the alignment pin. This will result in loss of alignment of the connector.</p>	



The Dolomite Centre Ltd.

Unit 1, Anglian Business Park, Royston,
Hertfordshire, SG8 5TW, United Kingdom

T: +44 (0)1763 242491

F: +44 (0)1763 246125

E: info@dolomite-microfluidics.com

W: www.dolomite-microfluidics.com

Dolomite Microfluidics

29 Albion Place
Charlestown, MA 02129

F: 617 848 1211

F: 617 500 0136

E: salesus@dolomite-microfluidics.com

W: www.dolomite-microfluidics.com