

# Rings

- Most BFM® fitting connectors are available with support rings to help keep the connector open, particularly when under vacuum or for longer lengths.
- Rings are also useful in positive-pressure situations to help support the walls of the connector.
- Rings are available in either stainless steel or plastic (see table adjacent for size limitations on both).
- Rings are fully encased in the material on the outside of the connector and therefore don't come into contact with product flowing through the connector.
- Standard distance between rings is 100mm (4 inches).
- On connector diameters Ø 300mm and under, the plastic rings are about 18mm larger than the connector diameter (connector diameter + 16mm for ring + 2mm for O40E layer that encapsulates the ring).
- On connector diameters Ø 350mm and over, the plastic rings are about 22mm larger than the connector diameter (connector diameter + 20mm for ring + 2mm for O40E layer that encapsulates the ring).



PLASTIC RINGS



STAINLESS STEEL RINGS



## PHYSICAL PROPERTIES

Material		Stainless Steel T304L or PE (Plastic)
Ring thickness (Ø)	- SS - PE	6.0mm (¼") 8.0mm (5⁄16")
(on diameters Ø350mm and over, the 'connector' that joins the PE ring together is approx.)		10mm (25⁄64")
Minimum Diameter - SS & PE		100mm (4")
Maximum Diameter*	- SS - PE	500mm (20") 1,650mm (65")
Min. Connector Length		150mm (6")
Max. Connector Length*		
≤Ø 500mm (19½")		4.5m (14ft 9")
Ø 550mm (21½") - 1.0m (39½")		500mm (20") (Plastic only)
Ø 1,050mm (21½") - 1,650mm (65")		200mm (8") (Plastic only)
Max. Operating Temperature		110°C / 230°F (Plastic only)
Maximum number of rings:		(on a single connector)
Seeflex, LM3, LM4, Teflex:		10
Teflex NP:		8
Ø150 - 500mm (6" - 20")		6
Ø100 & 125mm (4" - 5")		
Minimum distance between spigot & rings:		
150mm (6") long		75mm (3")
All other lengths		100mm (4")
Multiple rings evenly spaced at a minimum:		100mm (4")
Connector materials that can be supplied with rings		Seeflex O40E (incl Wash Sleeves & Blanking Socks /Bins), Seeflex O40AS, LM3, LM4, Teflex & Teflex NP (Seeflex O20E is on request only).

\* Size range is in mm, so inch conversions are approximate only. Restrictions apply for larger diameters, material types or when TR versions used. Refer to 'Connector Sizes' for more information.

**Note:** Tapered connectors cannot be made with rings.