

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	6.0mm (¼")
	- PE	8.0mm (5/16")
	<i>(on diameters Ø350mm and over, the 'connector' that joins the PE ring together is approx.)</i>	
		10mm (25/64")
Minimum Diameter - SS & PE	100mm (4")	
Maximum Diameter*	- SS	500mm (20")
	- PE	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	
	<i>(Plastic only)</i>	
Maximum number of rings:	<i>(on a single connector)</i>	
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 O4OAS, 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.