

Bioflex Ultra Sanitary Triclover Fittings

PTFE Lined and Beaded

End Fitting Specifications

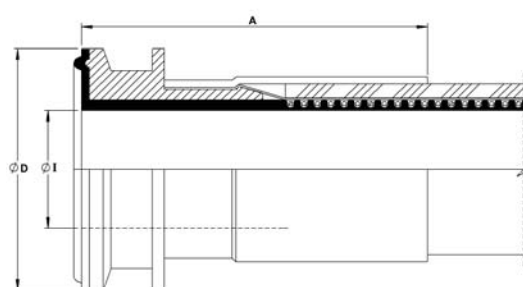
- BS4825 Pt 3 (UK)
- ASME BPE-a (USA)
- DIN32676 (Europe, DN Sizes)
- ISO 1127 (Europe) (Non Standard, to Special Order)

End Fitting Materials

- Fittings in Grade 316L SS (= BS 316 S11 = EN 1.4404)
- Ferrules, most in Grade 304 SS, some sizes in Grade 316L SS

Temperature and Pressure Ratings

- Pressures up to 16 Bar (230 psi)
- Temperatures up to 180°C (356°F)
- Higher Pressures possible with Special Clamps.



Description

In this new design, the PTFE hose liner tube is extended through the Sanitary Triclover end fitting and is flared over the sealing face. It is then hot-formed to conform to the shape of the rubber seal and therefore replaces the rubber seal.

This includes the 'bead' shape which is used for concentric location of the seal to the mating components when a joint is made as shown in the drawing.

Advantages of the Bioflex Ultra PTFE Beaded End Fitting

- After connection, the PTFE does not 'bulge' into the bore in the same way that a rubber seal would. This rubber bulge interferes with the flow path and can cause material entrapment but these problems are eliminated by using the new design.
- The need to ensure the compatibility of the rubber seal with the media passing through is no longer a problem, due to the all PTFE sealing system.
- The joint includes only one sealing face, not two, as with the rubber seal.
- The internal section of the moulded PTFE seal, which is squared off to provide a closed sealing edge in the joint, ensure no crevices in which material entrapment might occur.
- If hoses are required to be joined together then the Bioflex Ultra PTFE Beaded Triclover End Fitting can be connected to a standard Bioflex Ultra Triclover Fitting to provide an all PTFE joint between the hoses.

Nominal Hose Size		Nominal Pipe Size	Flange Diameter D		Outlet Diameter I		*Fitting Length A (Bioflex Ultra RC)		Weight of Fitting	
in	mm		in	mm	in	mm	in	mm	Kg	Lbs
3/4	20	DN20	1.340	34.0	3/4	19.0	2.56	65	0.100	0.220
7/8	22	1"	1.984	50.5	7/8	22.2	2.60	66	0.228	0.502
1	25	DN25	1.984	50.5	1	26.0	2.84	72	0.226	0.498
1 3/8	35	1 3/4"	1.984	50.5	1 3/8	34.9	2.84	72	0.292	0.643
1 7/8	48	2"	2.521	64.0	1 7/8	47.6	3.31	84	0.375	0.826