

TWIN SPHERE JOINTS RUBBER FLEXIBLE JOINTS



Pipe Size	50 PSI	100 PSI	150 PSI	200 PSI	225 PSI	300 PSI
2" (50mm)				X	X	X
2.5" (65mm)				X	X	X
3" (80mm)				X	X	X
4" (100mm)				X	X	X
5" (125mm)				X	X	X
6" (150mm)			X	X	X	X
8" (200mm)		X	X	X	X	X
10" (250mm)		X	X	X	X	X
12" (300mm)		X	X	X	X	X

* Note : X use control tie rods

Dimension and Allowance Tolerance / Movement

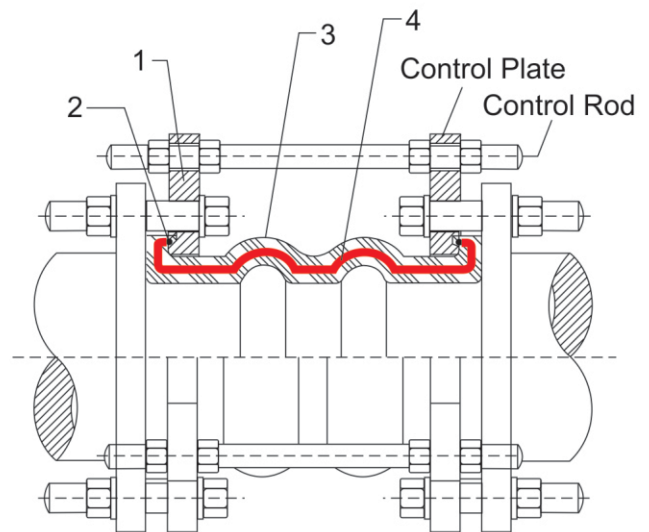
Nominal Bore (Inner Dia.) Size	Length of Bellows (mm)		Transverse Movement +/- (mm)	Axial Elongation (mm)	Axial Compression (mm)	Angular Deflection
	Face to Face Distance (MM)	Total Acceptable Tolerance +/- (mm)				
2" (50mm)	145mm	3	45mm	30mm	50mm	35°
2.5" (65mm)	145mm	3	45mm	30mm	50mm	35°
3" (80mm)	225mm	3	45mm	30mm	50mm	35°
4" (100mm)	225mm	3	40mm	35mm	50mm	35°
5" (125mm)	235mm	3	40mm	35mm	50mm	35°
6" (150mm)	220mm	3	40mm	35mm	50mm	35°
8" (200mm)	325mm	3	35mm	35mm	50mm	30°
10" (250mm)	325mm	3	35mm	35mm	50mm	20°
12" (300mm)	325mm	3	30mm	35mm	50mm	20°

* Although the dimensional allowance for installation is as given in the table above, when installing this connector for suction purposes do not allow for its elongation.

Structure

Item	Part	Material
1	Flange	* Mild Steel
2	Wire	Hard Steel Wire
3	Body	** Heat Resisting Rubber
4	Body	Nylon

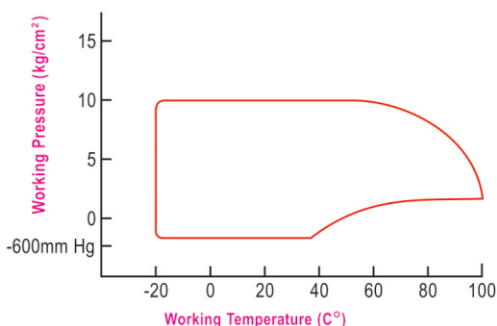
* Flangs material can be changed to Ductile Iron (BS 2789) Grade 500-7 Epoxy Coating.
** Standard rubber material uses Neoprene, may be replaced by special synthetic rubber.



Operating Conditions

(Based on Neoprene Rubber Material)

	50mm - 300mm
Operating Pressure	16kg / cm ² (228psi)
Burst Pressure	Over 50kg / cm ² (711psi)
Negative Pressure	600mm Hg
Working Temperature	-20° C to 100° C (-4° F to 212° F)
Working Fluids	Water, Hot Water, Sea Water, Compressed Air, Steam, Solvent, Acid, Weak Alkalies.



Acceptance of Motion

