

QFSC Single Sphere Joints

Rubber Flexible Joints

QF150S/XXX

Pipe Size	50 PSI	100 PSI	150 PSI	200 PSI	225 PSI	300 PSI
1					X	X
1 1/4					X	X
1 1/2					X	X
2					X	X
2 1/2					X	X
3					X	X
4					X	X
5					X	X
6					X	X
8				X	X	X
10				X	X	X
12			X	X	X	X
14			X	X	X	X
16		X	X	X	X	X
18		X	X	X	X	X
20		X	X	X	X	X
22		X	X	X	X	X
24		X	X	X	X	X

* Note : X not control de code.

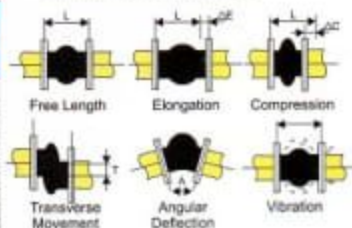


DIMENSION AND ALLOWABLE TOLERANCE / MOVEMENT

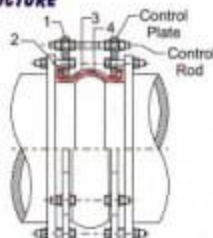
Nominal Size (Inch Dia.)	Length of Joints (mm)	Face to Face Distance (mm)	Total Acceptable Misalignment (mm)	Transverse Movement (mm)	Angular Deflection (mm)	axial Compression (mm)	Angular Deflection
1 1/4" 32mm	95	3	5	5	10	15*	15*
1 1/2" 40mm	95	3	5	5	10	15*	15*
2" 50mm	115	3	10	10	10	15*	15*
2 1/2" 65mm	125	3	10	10	10	15*	15*
3" 80mm	150	3	10	10	15	15*	15*
4" 100mm	150	3	10	10	15	15*	15*
5" 125mm	150	3	10	10	15	15*	15*
6" 150mm	150	3	10	10	20	15*	15*
8" 200mm	150	3	10	10	20	15*	15*
10" 250mm	200	3	20	15	20	15*	15*
12" 300mm	205	3	20	15	20	15*	15*
14" 350mm	205	3	20	15	20	15*	15*
16" 400mm	210	3	20	15	25	15*	15*
18" 450mm	210	3	20	15	25	15*	15*
20" 500mm	205	3	20	15	25	15*	15*
24" 600mm	255	3	25	20	25	15*	15*

* 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.

ACCEPTANCE OF MOTION



STRUCTURE



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

* Flange material can be changed to Ductile Iron (BS 2789) Grade 300-7 Epoxy Coating.

** Standard rubber material uses Neoprene, may be replaced by other special synthetic rubber.

OPERATING CONDITIONS

(Based on Neoprene Rubber Material)

	32mm - 300mm	350mm - 600mm
Operating Pressure	16kg / cm ² (228psi)	8kg / cm ² (114 psi)
Burst Pressure	Over 50kg / cm ² (711 psi)	Over 30kg / cm ² (427 psi)
Negative Pressure	750mm 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.	

