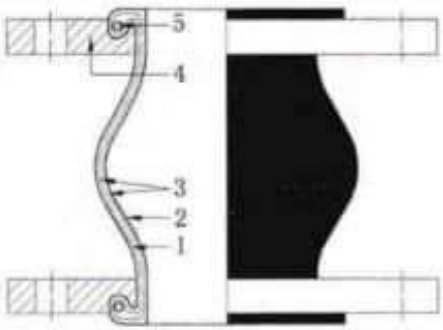
Single Sphere Rubber Expansion Joint



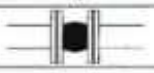
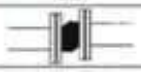
Specification:

Working Pressure (Bar)	16
Burst Pressure (Bar)	48
Vacuum (mmHg)	650
Normal Working Temperature (°C)	-10 – 100

Part and Material:

Part	Description	Material
1	Body (Outer Layer)	EPDM - Rubber
2	Body (Inner Layer)	EPDM - Rubber
3	Reinforcing Fabric	Nylon Fabric
4	Flange	Mild Steel (Galvanized)
5	Wire	Hard Steel Wire

Dimensions and Allowable Movement In Operation:

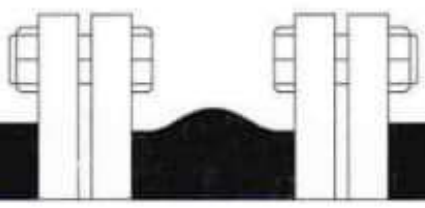
Nominal Diameter		Neutral Length	Movements			
DN	Inch	L	Extension.	Compression.	Lateral.	Angular.(°)
50	2	105	7	10	10	15°
65	2 1/2	115	7	13	11	15°
80	3	135	8	15	12	15°
100	4	150	10	19	13	15°
125	5	165	12	19	13	15°
150	6	180	12	20	14	15°
200	8	210	16	25	22	15°
250	10	230	16	25	22	15°
300	12	245	16	25	22	15°
350	14	255	16	25	22	15°
400	16	255	16	25	22	15°
450	18	255	16	25	22	15°
500	20	255	16	25	22	15°
600	24	260	16	25	22	15°
						

Typical Applications and Fluids:

Applicable Fluids	Water, Warm Water, Sea Water, Weak Acid and Air
Typical Applications	Pumps (Suctions & Discharge line), Air Conditioning System (Chilled, Condenser Piping), Sanitary / Plumping System, Irrigation System, Fire Protection System. Marine Air Intake and Diesel Engines, Ballast Line.

General Informations:

1. Expansion Joints working under higher temperatures, the pressure rating is reduced accordingly.
2. Pressure shown are recommended "Operating", test pressure is 1.5 times "Operation".
3. Vacuum Rating is based on neutral installed length without external load. Products shall not be installed " Elongated" on vacuum applications.
4. TVT Expansion Joints are furnished completed with flanges drilled to EN 1092 PN16 / Table E / JIS 10K.
5. TVT Expansion Joints are also available with Control Rod Unit type.
6. Other polymers : Neoprene, NBR and NR are available on request.



Absorbing And Protecting Piping And Equipment System From Stress / Vibration