

Single Sphere Rubber Expansion joint

FIG. 8101

Specifications

- With single structure so that the vibration absorption is better and noise reduction efficiency is significant.
- High working pressure, anti-burst and good elasticity.
- To avoid damage caused by stretching, compressing, deflecting or displacing of pipes.
- Carbon steel flanges, Zinc plated to BS4504 PN16 (Other flanges available).
- EPDM rubber suitable for hot water, steam, oxidant, animal and vegetable oils. Good for high and low temperature applications.
- NBR is suitable for most hydrocarbons, good for high and hydraulic fluids. Not good for sunlight ageing, ozone and flame.
- Neoprene suitable for water, sewage, oxidant and non-aromatic hydrocarbons. Good for oil resistance and weathering.

Working Pressure

- Size DN32 to DN300: Working pressure 16 bar.
- Size DN32 to DN600: Working pressure 10 bar.
- Bursting pressure 48bar.
- Bursting pressure 30 bar.
- Vacuum rating 750mmHg.
- Vacuum rating 500mmHg.

Working Temperature

- -10°C to 120°C for EPDM.
- -10°C to 82°C for NBR.
- -10°C to 110°C for Neoprene.

Material Specifications

Part	Material
Rubber	EPDM
Carcass	Nylon Cord Fabric
Reinforcing wire	Spring Steel Wire
Flange	Carbon Steel, Zinc Plated

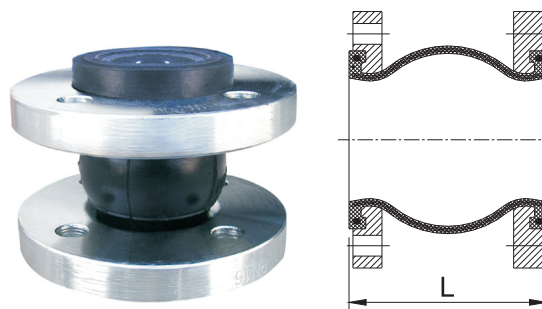
Main Dimensions(mm)

Size.	L±5	Axial Compression	Axial Elongation	Lateral Movement	Angular Movement
DN32	95	9	6	9	15°
DN40	95	10	6	9	15°
DN50	105	10	7	10	15°
DN65	115	13	7	11	15°
DN80	130	15	8	12	15°
DN100	135	19	10	13	15°
DN125	165	19	12	13	15°
DN150	180	20	12	14	15°
DN200	205	25	16	22	15°
DN250	240	25	16	22	15°
DN300	260	25	16	22	15°
DN350	265	25	16	22	15°
DN400	265	25	16	22	15°
DN450	265	25	16	22	15°
DN500	265	25	16	22	15°
DN600	265	25	16	22	15°

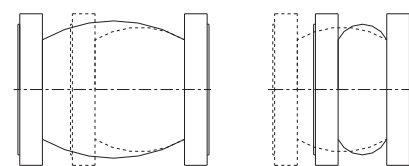
Notes

- Designs, materials and specifications shown are subject to change without notice due to the continuous development of our products.

Schematic

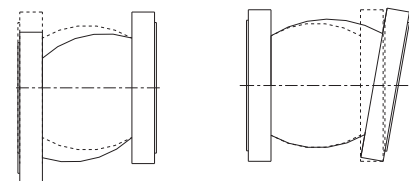


Permits Movement



Axial Elongation

Axial Compression



Lateral Movement

Angular Movement