Double Sphere Union Type Rubber Expansion Joint

FIG. 8702

Specifications

- With multi - sphere 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.
- Malleable iron fittings with Zinc plated, NPT or BSPT thread.
- EPDM rubber suitable for hot water, steam, oxidant, animal and vegetable oils. Excellent resistance to sunlight. Good for high and low temperature applications.
- NBR is suitable for most hydrocarbons, oils, petroleum fuels 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

- Working pressure 16 bar.
- Bursting pressure 48 bar.
- Vacuum rating 650mmHg.

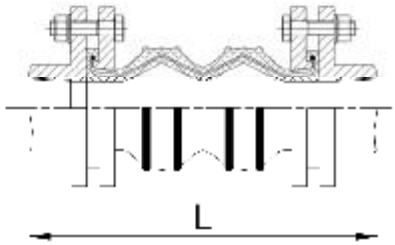
Working Temperature

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

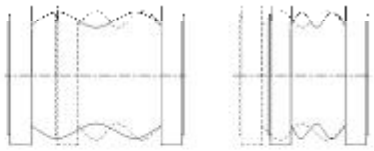
Material Specifications

Part	Material
Rubber	EPDM/NBR/Neoprene
Carcass	Nylon Cord Fabric
Reinforcing wire	Spring Steel Wire
Flange	Malleable Iron

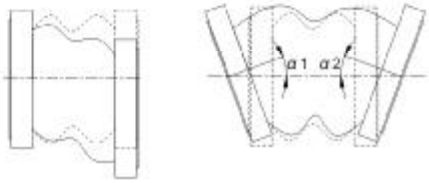
Schematic



Permits Movement



Axial Elongation Axial Compression



Lateral Movement Angular Movement

Dimensions (mm)

Size	L	Axial Compression	Axial Elongation	Lateral Movement	Angular Movement a1+a2
15 (1/2")	180	15	10	15	30°
20 (3/4")	180	15	10	15	30°
25 (1")	180	15	10	15	30°
32 (1-1/4")	245	15	10	15	20°
40 (1-1/2")	245	15	10	15	20°
50 (2")	245	15	10	15	20°

Notes

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

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