Double Sphere Union Type Rubber Expansion Joint

FIG. 8701

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.

Working Pressure

- Working pressure 10 bar.
- Bursting pressure 30 bar.
- Vacuum rating 400mmHg.

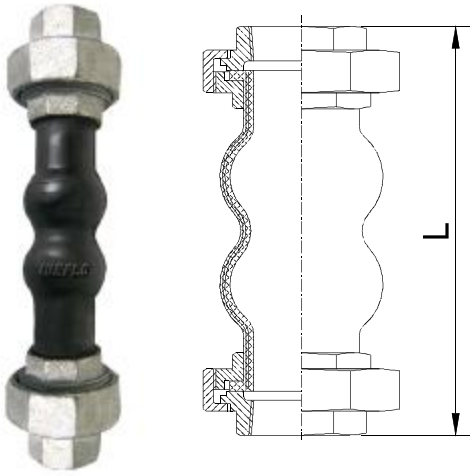
Working Temperature

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

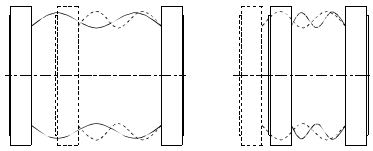
Material Specifications

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

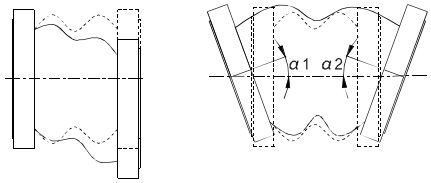
Schematic



Permits Movement



Axial Elongation Axial Compression



Lateral Movement Angular Movement

Main Dimensions(mm)

Size	L	Axial Compression	Axial Elongation	Lateral Movement	Angular Movement α1+α2
15 (1/2")	200	22	5	22	45°
20 (3/4")	200	22	5	22	45°
25 (1")	200	22	6	22	45°
32 (1-1/4")	200	22	6	22	45°
40 (1-1/2")	200	22	6	22	35°
50 (2")	200	22	6	22	25°
65 (2-1/2")	245	22	6	22	25°
80 (3")	245	22	6	22	25°

Notes

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

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