

Double Sphere Union Type Rubber Expansion Joint

FIG. LV8701

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 aging, ozone and flame
- Neoprene suitable for water, sewage, oxidant and non-aromatic hydrocarbons. Good for oil resistance and weathering

Working Pressure

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

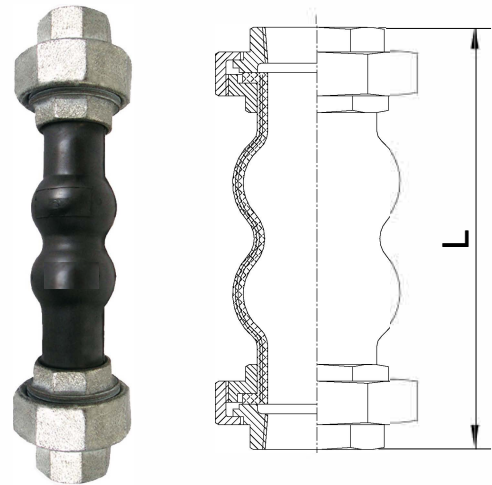
Working Temperature

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

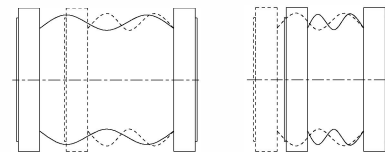
Material Specifications

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

Schematic

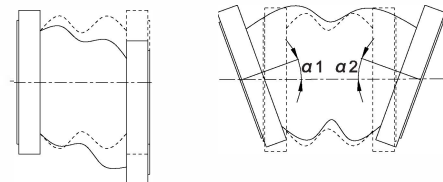


Permits Movement



Axial Elongation

Axial Compression



Lateral Movement

Angular Movement

Main Dimensions (mm)

Size	L	Axial Compression	Axial Elongation	Lateral Movement	Angular Movement $\alpha_1 + \alpha_2$
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.