LANSDALE
VALVE & MANUFACTURING

Single Sphere Rubber Expansion joint

FIG. LV8101

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. Not good for high and low temperature applications
- NBR is suitable for most hydrocarbons, good for high 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

- Size DN32 to DN300:
- Working pressure 16 bar
- Bursting pressure 48 bar
- Vacuum rating 750 mmHg

- Size DN32 to DN600:
- Working pressure 10 bar
- Bursting pressure 30 bar
- Vacuum rating 500 mmHg

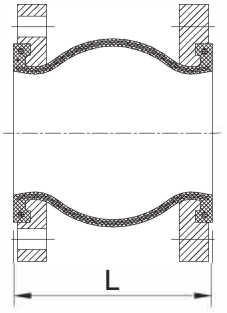
Working Temperature

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

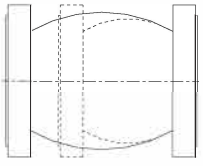
Material Specifications

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

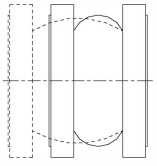
Schematic



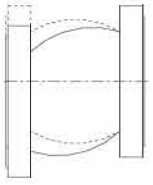
Permits Movement



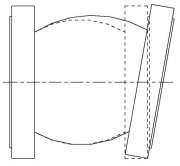
Axial Elongation



Axial Compression



Lateral Movement



Angular Movement

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.***