



Flanged Single Sphere Rubber Expansion Joints Series J13

GENERAL INFORMATION

Series J13 flanged single sphere rubber expansion joint is designed to compensate various movements in pipeline, such as the movements by heat-generated expansions, settlements of terrain or building structures, rolling movements and assembly errors, machinery vibrations, water hammers, etc.

FEATURES

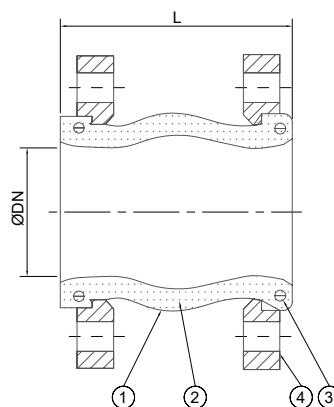
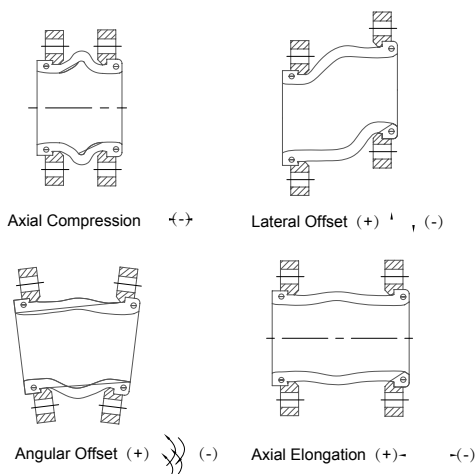
- All rubber compounds for lining are specifically formulated to provide maximum sound and heat insulation as well as abrasion resistance
- A strong, bias-ply construction, high-strength nylon fabric inside rubber
- Round steel rings embedded in the liner give maximum strength to the expansion joint while under pressure or vacuum service
- Flanges are full-faced and make an integral part of the joint to insure a tight reliable seal, no gasket are necessary

TECHNICAL DATA

Connection	Flanged PN16, PN10, PN6
Nominal diameter	DN25-DN1600
Pressure rating	PN16 for DN25-DN300, PN10 for DN350-DN600, PN6 for DN700-DN1600
Vacuity	750mmHg for DN25-DN300, 500mmHg for DN350-DN600, 300mmHg for DN700-DN1600
Temperature range	-20°C to +200°C (depending on rubber material)

PARTS LIST AND MATERIAL SPECIFICATION

No.	Part name	Material
1	Rubber	EPDM, CR, NBR, FPM
2	Fabric	Nylon
3	Retaining rings	Galvanized steel
4	Flanges	Galvanized steel



DIMENSIONS (mm)

SIZE		L	Axial shift		Lateral shift	Angular shift
DN	INCH		Stretch	Compression		
25	1"	95	6	9	9	15°
32	1 1/4"	95	6	9	9	15°
40	1 1/2"	95	8	10	9	15°
50	2"	105	8	10	10	15°
65	2 1/2"	115	8	15	12	15°
80	3"	135	8	15	12	15°
100	4"	150	12	19	15	15°
125	5"	165	12	20	15	15°
150	6"	180	16	28	15	15°
200	8"	190	16	28	22	15°
250	10"	230	16	28	22	15°
300	12"	245	16	28	25	15°
350	14"	265	16	28	25	15°
400	16"	265	16	28	25	15°
450	18"	265	16	28	25	15°
500	20"	265	16	28	25	10°
600	24"	265	16	28	25	10°
700	28"	260	16	30	25	10°
800	32"	260	16	30	25	10°
900	36"	260	16	30	25	10°
1000	40"	260	16	30	25	10°
1200	48"	260	16	30	25	10°
1400	56"	300	16	30	25	10°
1600	64"	300	16	30	25	10°