

Spherical Rubber Expansion Joint

Twin Sphere Rubber Expansion Joint



Features

- Minimal axial dimensions
- Limited weight
- Low warping forces
- High-resistance to work
- High-capacity acoustic damping

Specification

Working Pressure(Bar)	10	16	25
Burst pressure (Bar)	30	48	55
Vacuum(mmHg)	400	650	750

Material List

Item No.	Parts Name	Parts Material
1	Cover	EPDM
2	Reinforcing Fabric	Nylon
3	Tube	EPDM
4	Retain Rings	Steel
5	Flange	Carbon Steel

*Other rubber material such as Nitrile, Hypalon, NR etc. also available on request.

Dimensions (mm)

Nominal Diameter		Neutral Length	Type A				Neutral Length	TypeB			
			Movements					Movements			
DN	NPS	L	Ext.	Comp.	Lateral.	Angular.(°)	L	Ext.	Comp.	Lateral.	Angular.(°)
40	1 1/2	175	30	50	45	35°	150	10	20	20	30°
50	2	175	30	50	45	35°	150	10	20	20	30°
65	2 1/2	175	30	50	45	35°	150	10	20	20	30°
80	3	175	30	50	45	35°	150	10	20	20	30°
100	4	225	35	50	40	35°	200	15	30	25	30°
125	5	225	35	50	40	35°	200	15	30	25	30°
150	6	225	35	50	40	35°	200	15	30	25	30°
200	8	325	35	50	35	30°	200	20	40	30	30°
250	10	325	35	60	35	30°	200	20	40	30	30°
300	12	325	35	60	35	30°	200	20	40	30	30°
350	14						225	20	40	30	30°
400	16						225	20	40	30	30°
450	18						260	25	45	30	30°
500	20						260	25	45	30	30°
600	24						260	25	45	30	30°
700	28	400	35	60	35	30°					

(°) DIN, BS, JIS, ANSI, ASA Flange are all available on request.

Note:

1. All expansion joints are finished with retaining flanges, limit rod units are available on special request.
2. Pressures shows are recommended "operating", test pressure is 1.5 times "operating", burst pressure is 3 times "operating".
3. Vacuum rating is based on neutral installed length without external load. Products shall not be installed "elongated" on vacuum applications.
4. Do not weld near the expansion joints or weld the steel flanges to the piping after the expansion joints are installed. This will either burn or seriously damage the expansion joints.

