

TYPE-C



Rubber Expansion Joint with In-Built CARBON STEEL ROTATING TYPE FLANGES

FEATURES

- Superior Noise & Vibration Control
- Precision Molded Spherical Flowing Arch Design
- High tensile aircraft cable is embedded in the raised face
- No Gasket required
- Compensates for minor misalignment and offset while providing easy access to piping and equipment

HIGHLIGHTS

- Diameter from 1" up to 12" (25 mm to 300 mm)
- Standard Drilling (ANSI B16.5 ASA 150#)
- Standard Length of 150 mm for Bellow Size 1" to 8"
- Standard Length of 200 mm for Bellow Size 10" to 12"
- Pressure Range from Vacuum 700 mmHG up to 20 Kg/Cm²
- Single Arch Design Only
- With Rotating Type In-Built Carbon Steel Flanges



STANDARD SIZES

ID		OD		PCD		No. of Holes	Hole Dia		Length		Flange	
(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)		(Inch)	(mm)	(Inch)	(mm)	(Inch)	Thk
1	25.40	4 1/4	107.95	3 1/8	79.375	4	5/8	15.875	6	152	1/2	13
1.5	38.10	5	127.00	3 7/8	98.425	4	5/8	15.875	6	152	1/2	13
2	50.80	6	152.40	4 3/4	120.65	4	3/4	19.05	6	152	5/8	17
2.5	63.50	7	177.80	5 1/2	139.7	4	3/4	19.05	6	152	5/8	17
3	76.20	7 1/2	190.50	6	152.4	4	3/4	19.05	6	152	1/3	19
4	101.60	9	228.60	7 1/2	190.5	8	3/4	19.05	6	152	1/3	19
5	127.00	10	254.00	8 1/2	215.9	8	7/8	22.225	6	152	1/3	20
6	152.40	11	279.40	9 1/2	241.3	8	7/8	22.225	6	152	1/3	20
8	203.20	13 1/2	342.90	11 3/4	298.45	8	7/8	22.225	6	152	7/8	23
10	254.00	16	406.40	14 1/4	361.95	12	1	25.4	8	203	1	25
12	304.80	19	482.60	17	431.8	12	1	25.4	8	203	1	25

Notes:

- 1.) Maximum operating temperature of 140 Deg C for EPDM, 120 Deg C for Neoprene, 95 Deg C for Nitrile
- 2.) Movements are non-concurrent. Contact KIRAN RUBBER for concurrent movements.
- 3.) **WARNING:** Control units (sold separately) must be used when piping is not properly anchored. Number of rods are dependent upon maximum field test pressures. Expansion joints may operate in pipelines carrying fluids at elevated temperatures and pressures, so precaution should be taken to ensure proper installation and regular inspection. Care is required to protect personnel in the event of leakage or splash. Adequate floor drains are always recommended.

ACCESSORIES

CONTROL UNITS AND TIE RODS

Control units are recommended on most applications to prevent damage due to excessive pipe movements. Control units consist of two or more tie rods connected Between flanges with Triangular end plates called Gussets.



- Triangular end plates (gussets) have two holes for bolting securely to flange and one hole to accommodate the connecting tie rod.
- Each rod incorporates double nuts on each end to keep the expansion joint from over-elongating due to pressure thrust forces.

METAL FLOW LINERS (INNER SLEEVE)

Designed to extend service life by providing the tube protection from abrasive materials or solids, especially in high-velocity applications. The flow liners are flanged at one end, installed at the head of the flow, and tapered to a 5° angle to allow lateral deflection.

- Available in MS and SS 304 and 316.
- Usually manufactured in 3 or 5 mm thickness.



NUT, BOLTS & WASHER (FASTENERS)

Hex Head Bolt Fasteners made of MS or SS used for bolting the expansion joints in place. Usually galvanised and SIZES are made available as per your requirement.



- Available in MS, SS and Galvanised form.
- Most common one is Hex Head Bolts with standard BSP threading

Notes:

1.) Maximum operating temperature of 140 Deg C for EPDM, 120 Deg C for Neoprene, 95 Deg C for Nitrile

2.) Movements are non-concurrent. Contact KIRAN RUBBER for concurrent movements.

3.) **WARNING:** Control units (sold separately) must be used when piping is not properly anchored. Number of rods are dependent upon maximum field test pressures. Expansion joints may operate in pipelines carrying fluids at elevated temperatures and pressures, so precaution should be taken to ensure proper installation and regular inspection. Care is required to protect personnel in the event of leakage or splash. Adequate floor drains are always recommended.