

Maxi-Joint®

High Pressure Expansion Joints

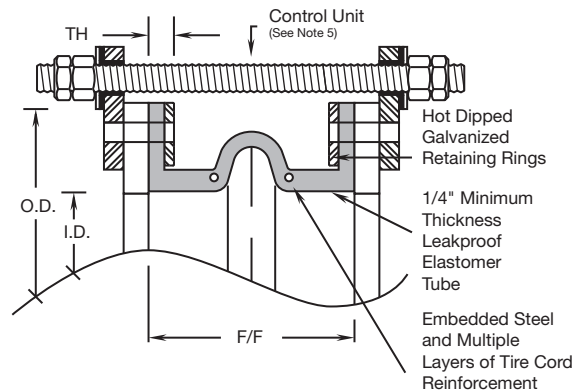
Style 1101HP

Features:

- Versatile hand-built construction allows General Rubber to design to higher working programs with greater safety factors. Made in the U.S.A.
- Standard or custom face to face dimensions
- Wide flowing arch design
- Exceptional all directional movement capability
- Virtually eliminates sediment buildup
- Excellent chemical and abrasion resistance
- Full vacuum rating (30" Hg) in all style 1101HP sizes
- 250°F continuous service standard, 400°F available
- Filled arch design available
- Hot dip galvanized retaining rings standard
- Absorbs noise, vibration and shock
- Compensates for minor misalignment and offset
- Low stiffness and deflection forces
- Integrally flanged design, no gaskets required
- Simple to install and high strength
- Provides easy access to piping and equipment
- Other standard drilling available, including ASA 300, DIN, PN, JIS, API, and Navy
- Wide variety of tube and cover elastomers available, including Pure Gum Rubber, EPDM, Neoprene, Butyl, Nitrile, Hypalon®, Viton®, Teflon®, Food Grade, and more



Style 1101HP
High Pressure Expansion Joints



SIZE I.D. (inch)	LENGTH F/F (inch)	FLANGE TH. (inch)	MAX Pressure (PSIG)	VACUUM Rating (inch Hg)	STYLE 1101HP MOVEMENTS					STYLE 1101HP SPRING RATES		
					Comp. (inch)	Ext. (inch)	Lateral (inch)	Angular (degree)	Torsional (degree)	Comp. (lbs/inch)	Ext. (lbs/inch)	Lateral (lbs/inch)
2	6	7/8	350	30	1-3/4	7/8	1	39	4	270	340	450
2-1/2	6	7/8	350	30	1-3/4	7/8	1	33	3.8	340	420	480
3	6	7/8	350	30	1-3/4	7/8	1	28	3.7	400	510	540
4	6	7/8	350	30	1-3/4	7/8	1	22	3.6	550	710	590
5	6	7/8	300	30	1-3/4	7/8	1	18	3.4	670	880	710
6	6	7/8	250	30	1-3/4	7/8	1	15	3.2	820	1050	790
8	6	7/8	300	30	1-3/4	7/8	1	12	3.1	990	1160	960
10	8	7/8	300	30	2	1	1-1/4	17	3	960	1170	820
12	8	7/8	275	30	2	1	1-1/4	14	2.9	1010	1250	970
14	8	1	275	30	2-1/4	1-1/8	1-1/4	12	2.8	1080	1300	1140
16	8	1	275	30	2-1/4	1-1/8	1-1/4	11	2.7	1150	1390	1320
18	8	1	275	30	2-1/4	1-1/8	1-1/4	10	2.6	1220	1570	1450
20	8	1	225	30	2-1/4	1-1/8	1-1/4	9	2.5	1280	1750	1620
24	10	1-1/8	190	30	2-1/2	1-1/4	1-3/8	8	2.4	1730	2100	1740

Notes:

- 1.) All parts listed are designed for 30" Hg (full vacuum) and have a maximum test at 26" Hg due to facility altitude and equipment limitations.
- 2.) Maximum operating temperature of 250 deg F for EPDM, Butyl, Hypalon, and Viton; 225 deg F for Neoprene; 210 deg F for Nitrile; 180 deg F for Pure Gum Rubber; 300 deg F for EPDM and Butyl in air service at 25 PSI maximum; higher pressure and temperature ratings available.
- 3.) All sizes can be supplied with a filled arch reducing their movements by 50% and increasing the spring rates fourfold.
- 4.) For full product specifications and installation instructions, see SPEC 1101HP-1 and ININ 1101HP-1. Gross weights include retaining rings.
- 5.) **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.
- 6.) Movements are non-concurrent. Contact General Rubber for concurrent movements, and for sizes not shown up to 144" I.D.
- 7.) All sizes can be supplied with multiple arches for increased movements and decreased spring rates.
- 8.) Standard 125/150 lb. drilling includes, 1"-24" with ANSI B16.1 Class 125 lb./B16.5 Class 150 lb., 30"-60" with ANSI B16.1 Class 125 lb./B16.47 series A, Class 150 lb., 72"-108" with ANSI B16.1 Class 125 lb./AWWA C207 Class B.
- 9.) Contact General Rubber with your design conditions and we will provide a detailed drawing with our proposal.

