

Maxi-Joint®

High Pressure Expansion Joints

Style 1101HP

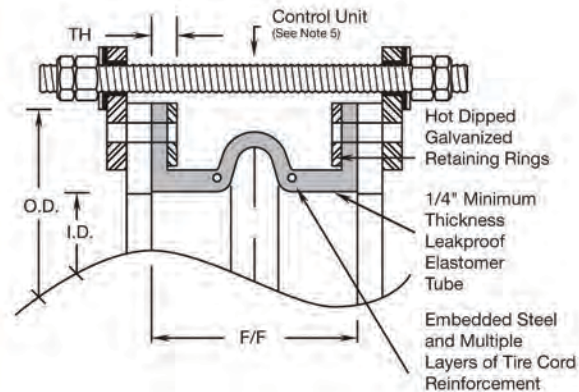
Features:

- 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	contact General Rubber		
2-1/2	6	7/8	350	30	1-3/4	7/8	1	33	3.8			
3	6	7/8	350	30	1-3/4	7/8	1	28	3.7			
4	6	7/8	350	30	1-3/4	7/8	1	22	3.6			
5	6	7/8	300	30	1-3/4	7/8	1	18	3.4			
6	6	7/8	250	30	1-3/4	7/8	1	15	3.2			
8	6	7/8	300	30	1-3/4	7/8	1	12	3.1			
10	8	7/8	300	30	2	1	1-1/4	17	3			
12	8	7/8	275	30	2	1	1-1/4	14	2.9			
14	8	1	275	30	2-1/4	1-1/8	1-1/4	12	2.8			
16	8	1	275	30	2-1/4	1-1/8	1-1/4	11	2.7			
18	8	1	275	30	2-1/4	1-1/8	1-1/4	10	2.6			
20	8	1	225	30	2-1/4	1-1/8	1-1/4	9	2.5			
24	10	1-1/8	190	30	2-1/2	1-1/4	1-3/8	8	2.4			

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

- 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.

