

Twin Sphere Rubber Expansion Joints (TREJ) Rubber Expansion Joint - TREJ

Part No.: TREJ

Material: E (EPDM), BN (BUNA NITRILE), V (VITON), N (NEOPRENE), H (HYPERLON)

Food Grade: White Nitrile (NBR) (Upon Request)

Liner: PTFE, Metallic (Upon Request)

Construction: Smoothbore Sphere

Profile: Medium Flexibility / Medium Pressure

Vacuum Ring: Available on Request **Vacuum Conversion:** 1 Torr / mmHg = 0.13 kPa or 29.88 inHg

Size Available: 1 1/4" - 24" (Larger sizes upon Request)

Temperature: -30°C +105°C

Low | Med | High

Flexibility   

Cycle Life   

Pressure Rating   

Chemical Resistance   

Wall Thickness   

Construction

Use: Rubber expansion joints are designed to alleviate piping stress, absorb pipe misalignment, compression and extension, noise and vibration, in a relatively short space.



Temperature Correction Factor

80 °C	85 °C	90 °C	95 °C	100 °C	105 °C
x 1.0	x 0.92	x 0.83	x 0.75	x 0.67	x 0.60

Specifications

Part Number <i>(See key below)</i>	NB	Length	Max. Working Pressure	Movements				Spring Rates				Torsional Degrees	Vacuum (without vacuum ring)	Vacuum (with vacuum ring)
				Axial Compression	Axial Elongation	Lateral Deflection	Angular Deflection	Axial Compression	Axial Extension	Lateral Deflection	Angular Movement			
	(mm)	(mm)	kPa	(mm)	(mm)	(mm)	(Deg)	N/mm	N/mm	N/mm	Nm/Deg		mmHg	mmHg
TREJA-32-CDE	32	175	1550	50	30	38	38	57	75	85	0.15	3	600	600
TREJA-40-CDE	40	175	1550	50	30	38	38	69	90	103	0.22	3	600	600
TREJA-50-CDE	50	175	1550	50	30	38	38	82	108	138	0.45	3	600	600
TREJA-65-CDE	65	175	1550	50	30	38	36	103	135	150	0.76	3	600	600
TREJA-80-CDE	80	175	1550	50	30	38	36	124	163	162	1.21	3	600	600
TREJA-100-CDE	100	225	1550	50	35	32	30	166	217	187	2.89	3	600	600
TREJA-125-CDE	125	225	1550	50	35	32	25	208	271	214	6	3	225	600
TREJA-150-CDE	150	225	1550	50	35	32	21	250	325	243	10	3	225	600
TREJA-200-CDE	200	325	1550	50	35	28	17	227	361	297	19	3	225	600
TREJA-250-CDE	250	325	1550	50	35	28	13	348	453	318	36	3	150	250
TREJA-300-CDE	300	325	1550	50	35	28	9	417	543	373	64	3	150	250
TREJA-350-CDE	350	350	1550	45	30	25	8	364	475	439	28	2	150	250
TREJA-400-CDE	400	350	1550	45	30	25	7	417	543	507	115	2	100	150
TREJA-450-CDE	450	350	1550	45	30	25	6	469	610	559	162	1	100	150
TREJA-500-CDE	500	350	1550	45	30	25	6	522	678	625	232	1	100	150
TREJA-600-CDE	600	350	1550	45	30	25	5	625	813	572	417	1	100	150

Part Number Key:

A = RUBBER TYPE:	E (EPDM), BN (BUNA NITRILE), V (VITON), N (NEOPRENE)
B = NB SIZE:	E.G. 25 (25mm/1"), 100 (100mm/4")
C = FLANGE 1:	D (TABLE D), E (TABLE E), A1 (ANSI 150), D16 (DIN 16)
D = FLANGE 2:	D (TABLE D), E (TABLE E), A1 (ANSI 150), D16 (DIN 16)
E = FLANGE MATERIAL:	HG (GALVANISED), 6S (316 STAINLESS STEEL)

Applications

