

Single Sphere Rubber Expansion Joint (REJ)

Rubber Expansion Joint - REJ

Part No.: REJ

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 (See key below)	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)	(mm)	(Deg)	N/mm	N/mm	N/mm	Nm/Deg		mmHg / Torr	mmHg / Torr
REJA-32-CDE	32	95	1550	8	5	8	17°	38	50	57	0.10	3	600	600
REJA-40-CDE	40	95	1550	10	5	8	14°	46	60	69	0.15	3	600	600
REJA-50-CDE	50	105	1550	10	5	8	11°	55	72	92	0.30	3	600	600
REJA-65-CDE	65	115	1550	13	7	9	11°	69	90	100	0.51	3	600	600
REJA-80-CDE	80	130	1550	13	9	12	14°	83	109	108	0.81	3	600	600
REJA-100-CDE	100	135	1550	19	12	13	14°	111	145	125	1.93	3	600	600
REJA-125-CDE	125	170	1550	19	12	13	11°	139	181	143	4	3	225	600
REJA-150-CDE	150	180	1550	19	12	13	9°	167	217	162	7	3	225	600
REJA-200-CDE	200	205	1550	25	14	22	8°	185	241	198	13	3	225	600
REJA-250-CDE	250	240	1550	25	16	22	7°	232	302	212	24	3	150	250
REJA-300-CDE	300	260	1550	25	16	22	6°	278	362	249	43	3	150	250
REJA-350-CDE	350	265	1034	25	20	22	5°	243	317	293	19	2	150	250
REJA-400-CDE	400	265	860	25	20	22	4°	278	362	338	77	2	100	150
REJA-450-CDE	450	265	860	25	20	22	4°	313	407	373	108	1	100	150
REJA-500-CDE	500	265	860	25	20	22	3°	348	452	417	155	1	100	150
REJA-600-CDE	600	265	860	25	20	22	3°	417	542	448	278	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

