



# EXPANSION JOINTS

## 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 (mm)	Length (mm)	Max. Working Pressure (kPa)	Movements				Spring Rates				Torsional Degrees	Vacuum (without Vacuum Ring) mmHg / Torr	Vacuum (with Vacuum Ring) mmHg / Torr
				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			
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

