PROCO

STYLE 232/222

double wide arch spool type rubber expansion joints

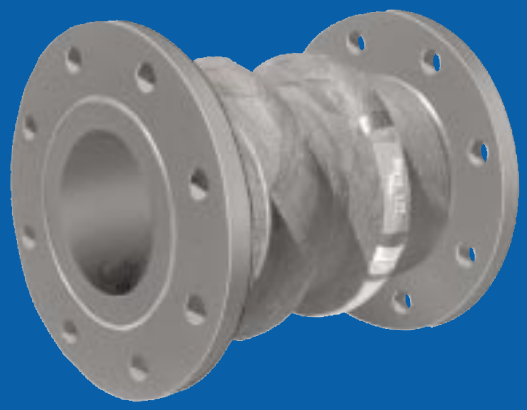

Table 3: Sizes • Movements • Forces • Weights *See Notes Page 9*

EXPANSION JOINT SIZE Nom. I.D. x Inch / (mm)		NEUTRAL LENGTH Inch / (mm)		EXPANSION JOINT STYLE	232 / 222 Movement Capability: From Neutral Position					Spring Rate Capability Based on 1" of Movement at Zero Pressure Conditions					Operating [4] Conditions		Weights [5] lbs / (kgs)		
					Axial Compression Inch / (mm)	Axial Extension Inch / (mm)	Lateral Deflection Inch / (mm)	Angular [1] Deflection Degrees	Torsional [2] Rotation Degrees	Force lbs per 1" rated Compression	Force lbs per 1" rated Extension	Force lbs per 1" rated Latreral Deflection	Force ft-lbs per 1" rated Angular	Thrust Factor [3] In2 / (cm2)	Positive PSIG/ (Bar)	Vacuum Inches of Hg/ (mm of Hg)	Expansion Joint Assembly	Retaining Ring Set	Control [6] Rod Assembly
1.5	(40)	10	(254)	232	2.4 (61)	1.2 (30)	1.2 (30)	58.0	2.0					7.44 (48)	200 (14.0)	26 (660)	3.0 (1.4)	2.5 (1.1)	2.3 (1.0)
2	(50)	10	(254)	232	2.8 (70)	1.4 (34)	1.2 (30)	53.8	2.0					12.40 (80)	200 (14.0)	26 (660)	4.0 (1.8)	4.0 (1.8)	2.8 (1.3)
2.5	(65)	10	(254)	232	2.8 (70)	1.4 (34)	1.2 (30)	47.4	2.0					15.66 (101)	200 (14.0)	26 (660)	4.5 (2.0)	4.5 (2.0)	2.8 (1.3)
3	(80)	10	(254)	232	2.8 (70)	1.4 (34)	1.2 (30)	42.2	2.0					19.36 (125)	200 (14.0)	26 (660)	6.0 (2.7)	5.5 (2.5)	2.8 (1.3)
4	(100)	10	(254)	232	2.8 (70)	1.4 (34)	1.2 (30)	34.2	2.0					27.90 (180)	200 (14.0)	26 (660)	8.5 (3.9)	8.0 (3.5)	2.8 (1.3)
5	(125)	10	(254)	232	2.8 (70)	1.4 (34)	1.2 (30)	28.6	2.0					38.13 (246)	190 (13.0)	26 (660)	9.5 (4.3)	8.5 (3.9)	4.0 (1.8)
6	(150)	10	(254)	232	2.8 (70)	1.4 (34)	1.2 (30)	24.4	2.0					49.91 (322)	190 (13.0)	26 (660)	11.5 (5.2)	9.5 (4.3)	4.0 (1.8)
		12	(305)	232	2.8 (70)	1.4 (34)	1.2 (30)	24.4	2.0					49.91 (322)	190 (13.0)	26 (660)	11.5 (5.2)	9.5 (4.3)	4.0 (1.8)
8	(200)	10	(254)	232	2.8 (70)	1.4 (34)	1.2 (30)	18.8	2.0					77.97 (503)	190 (13.0)	26 (660)	16.0 (7.3)	14.5 (6.6)	8.0 (3.6)
		12	(305)	232	2.8 (70)	1.4 (34)	1.2 (30)	18.8	2.0					77.97 (503)	190 (13.0)	26 (660)	16.0 (7.3)	14.5 (6.6)	8.0 (3.6)
10	(250)	12	(305)	222	1.4 (35)	0.8 (20)	1.0 (25)	8.2	2.0					116.97 (755)	190 (13.0)	26 (660)	28.3 (12.8)	17.0 (7.7)	10.0 (4.5)
		14	(356)	232	3.2 (80)	1.6 (40)	1.6 (40)	17.8	2.0					119.97 (774)	190 (13.0)	26 (660)	29.0 (13.2)	17.0 (7.7)	10.0 (4.5)
12	(300)	12	(305)	222	1.4 (35)	0.8 (20)	1.0 (25)	6.8	2.0					157.74 (1018)	190 (13.0)	26 (660)	36.0 (16.3)	24.5 (11.0)	10.0 (4.5)
		14	(356)	232	3.2 (80)	1.6 (40)	1.6 (40)	14.9	2.0					161.98 (1045)	190 (13.0)	26 (660)	36.0 (16.3)	24.5 (11.0)	10.0 (4.5)
14	(350)	12	(305)	222	1.4 (35)	0.8 (20)	1.0 (25)	5.8	2.0					204.61 (1320)	140 (9.5)	26 (660)	44.0 (20.0)	27.0 (12.3)	12.0 (5.4)
		14	(356)	232	3.2 (80)	1.6 (40)	1.6 (40)	12.9	2.0					210.18 (1356)	130 (9.0)	26 (660)	44.0 (20.0)	27.0 (12.3)	12.0 (5.4)
		16	(406)	232	3.2 (80)	1.6 (40)	1.6 (40)	12.9	2.0					210.18 (1356)	130 (9.0)	26 (660)	44.0 (20.0)	27.0 (12.3)	12.0 (5.4)
16	(400)	12	(305)	222	1.6 (40)	1.0 (25)	1.0 (25)	7.0	2.0					257.54 (1662)	110 (7.5)	26 (660)	53.0 (24.0)	33.5 (15.2)	15.0 (6.8)
		14	(356)	232	3.2 (80)	1.6 (40)	1.6 (40)	11.3	2.0					264.74 (1708)	115 (8.0)	26 (660)	53.0 (24.0)	33.5 (15.2)	15.0 (6.8)
		16	(406)	232	3.2 (80)	1.6 (40)	1.6 (40)	11.3	2.0					264.74 (1708)	115 (8.0)	26 (660)	53.0 (24.0)	33.5 (15.2)	15.0 (6.8)
18	(450)	12	(305)	222	1.6 (40)	1.0 (25)	1.0 (25)	6.2	2.0					316.59 (2043)	110 (7.5)	26 (660)	61.0 (27.7)	34.0 (15.5)	16.0 (7.2)
		14	(356)	232	3.2 (80)	1.6 (40)	1.6 (40)	10.1	2.0					325.50 (2100)	115 (8.0)	26 (660)	61.0 (27.7)	34.0 (15.5)	16.0 (7.2)
		16	(406)	232	3.2 (80)	1.6 (40)	1.6 (40)	10.1	2.0					325.50 (2100)	115 (8.0)	26 (660)	61.0 (27.7)	34.0 (15.5)	16.0 (7.2)
20	(500)	12	(305)	222	1.6 (40)	1.0 (25)	1.0 (25)	5.6	2.0					381.69 (2463)	110 (7.5)	26 (660)	73.0 (33.1)	38.0 (17.3)	16.0 (7.2)
		14	(356)	232	3.2 (80)	1.6 (40)	1.6 (40)	9.1	2.0					392.62 (2533)	115 (8.0)	26 (660)	73.0 (33.1)	38.0 (17.3)	16.0 (7.2)
		16	(406)	232	3.2 (80)	1.6 (40)	1.6 (40)	9.1	2.0					392.62 (2533)	115 (8.0)	26 (660)	73.0 (33.1)	38.0 (17.3)	16.0 (7.2)

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