

PROCO

STYLE

232/222

double wide arch spool type
rubber expansion joints

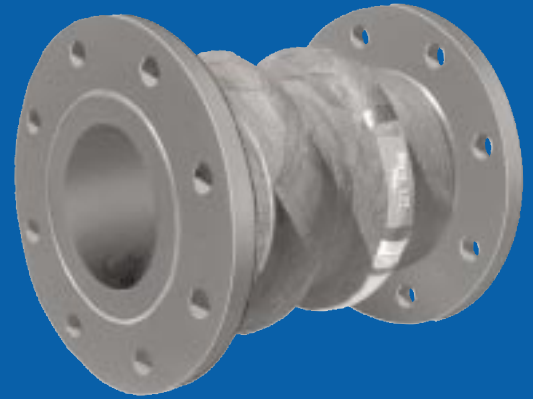


Table 3: Sizes • Movements • Forces • Weights

See Notes Page 4

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 Lateral Deflection	Force lbs per 1" rated Angular	Thrust Factor ³ Inz / (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	U N D E R C U R R E N T T E S T I N G	7.44 (48)	200 (14.0)	26 (660)	3.0 (1.4)	2.5 (1.1)	2.3 (1.0)					
			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 (50)	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)					
			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)					
3 (80)	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)					
			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)					
4 (100)	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)					
			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)					
5 (125)	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)					
			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)					
6 (150)	10 (254)	232	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)					
			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)					
8 (200)	10 (254)	232	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)					
			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)					
10 (250)	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)					
			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)					
12 (300)	12 (305)	222	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)					
			1.4 (35)	0.8 (20)	1.0 (25)	6.8	2.0		257.54 (1662)	110 (7.5)	26 (660)	53.0 (24.0)	33.5 (15.2)	15.0 (6.8)					
14 (350)	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)					
			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 (400)	14 (356)	232	1.6 (40)	1.0 (25)	1.0 (25)	7.0	2.0	316.59 (2043)	110 (7.5)	26 (660)	61.0 (27.7)	34.0 (15.5)	16.0 (7.2)						
			3.2 (80)	1.6 (40)	1.6 (40)	12.9	2.0	325.50 (2100)	115 (8.0)	26 (660)	61.0 (27.7)	34.0 (15.5)	16.0 (7.2)						
18 (450)	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)						
			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)						
			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)						
20 (500)	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)						
			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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