

Table 2: Sizes • Movements • Forces • Weights														See Notes Page 7					
EXPANSION JOINT SIZE Nom. I.D. X Inch / (mm)	NEUTRAL LENGTH Inch / (mm)	EXPANSION JOINT STYLE	231 / 221 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 lb-lbs per 1" rated Angular	Thrust Factor ³ Inz / (cmZ)	Positive PSIG/ (Bar)	Vacuum Inches of Hg/ (mm of Hg)	Expansion Joint Assembly	Retaining Ring Set	Control ⁶ Rod Assembly		
32 (800)	10 (254)	231																	
	12 (305)	231	2.0 (51)	1.0 (25)	1.0 (25)	3.6	2.0				948.29 (6118)	90 (6.0)	26 (660)	120.0 (54.4)	68.0 (30.8)	33.0 (14.9)			
34 (850)	10 (254)	231																	
	12 (305)	231	2.0 (51)	1.0 (25)	1.0 (25)	3.4	2.0				1060.51 (6842)	90 (6.0)	26 (660)	122.0 (55.3)	72.0 (32.7)	43.0 (19.5)			
36 (900)	10 (254)	231																	
	12 (305)	231	2.0 (51)	1.0 (25)	1.0 (25)	3.2	2.0				1179.09 (7607)	90 (6.0)	26 (660)	143.0 (64.9)	76.0 (34.5)	43.0 (19.5)			
38 (950)	10 (254)	231																	
	12 (305)	231	2.0 (51)	1.0 (25)	1.0 (25)	3.0	2.0				1303.86 (8412)	90 (6.0)	26 (660)	162.0 (73.5)	86.0 (39.0)	43.0 (19.5)			
40 (1000)	10 (254)	231																	
	12 (305)	231	2.0 (51)	1.0 (25)	1.0 (25)	2.9	2.0				1434.99 (9258)	90 (6.0)	26 (660)	173.0 (78.5)	100.0 (45.5)	43.0 (19.5)			
42 (1050)	12 (305)	231	2.4 (61)	1.2 (30)	1.1 (28)	3.3	2.0												
	14 (356)	231									1628.28 (10505)	80 (5.5)	26 (660)	193.0 (87.5)	100.0 (45.5)	44.0 (20.0)			
44 (1100)	12 (305)	231	2.4 (61)	1.2 (30)	1.1 (28)	3.1	2.0												
	14 (356)	231									1774.44 (11448)	80 (5.5)	26 (660)	198.0 (89.8)	104.0 (37.2)	44.0 (20.0)			
46 (1150)	12 (305)	231	2.4 (61)	1.2 (30)	1.1 (28)	3.0	2.0												
	14 (356)	231									1926.81 (12431)	80 (5.5)	26 (660)	205.0 (93.0)	127.0 (57.6)	44.0 (20.0)			
48 (1200)	12 (305)	231	2.4 (61)	1.2 (30)	1.1 (28)	2.9	2.0												
	14 (356)	231									2085.53 (13455)	80 (5.5)	26 (660)	211.0 (95.7)	132.0 (59.9)	44.0 (20.0)			
50 (1250)	12 (305)	231	2.4 (61)	1.2 (30)	1.1 (28)	2.8	2.0												
	14 (356)	231									2250.45 (14519)	80 (5.5)	26 (660)	240.0 (108.8)	134.0 (60.0)	44.0 (20.0)			
52 (1300)	12 (305)	231	2.4 (61)	1.2 (30)	1.1 (28)	2.6	2.0												
	14 (356)	231									2421.72 (15624)	80 (5.5)	26 (660)	256.0 (116.1)	136.0 (61.7)	60.0 (27.0)			
54 (1350)	12 (305)	231	2.4 (61)	1.2 (30)	1.1 (28)	2.6	2.0												
	14 (356)	231									2599.35 (16770)	80 (5.5)	26 (660)	265.0 (120.1)	150.0 (68.0)	63.0 (28.6)			
56 (1400)	12 (305)	231	2.4 (61)	1.2 (30)	1.1 (28)	2.5	2.0												
	14 (356)	231									2931.67 (18914)	80 (5.5)	26 (660)	288.0 (130.6)	165.0 (70.8)	63.0 (28.6)			
58 (1450)	12 (305)	231	2.4 (61)	1.2 (30)	1.1 (28)	2.4	2.0												
	14 (356)	231									3011.34 (19428)	80 (5.5)	26 (660)	300.0 (136.1)	190.0 (86.2)	66.2 (30.0)			
60 (1500)	12 (305)	231	2.4 (61)	1.2 (30)	1.1 (28)	2.3	2.0												
	14 (356)	231									3208.97 (20703)	80 (5.5)	26 (660)	310.0 (140.6)	200.0 (90.7)	68.3 (31.2)			
66 (1650)	12 (305)	231	2.4 (61)	1.2 (30)	1.1 (28)	2.1	2.0												
	14 (356)	231									3839.51 (24771)	80 (5.5)	26 (660)	350.0 (158.7)	240.0 (108.8)	71.0 (32.2)			
68 (1700)	12 (305)	231	2.4 (61)	1.2 (30)	1.1 (28)	2.0	2.0												
	14 (356)	231									4062.24 (28208)	70 (5.0)	26 (660)	368.8 (166.9)	227.0 (103.0)	76.3 (34.6)			