

Table 2: Sizes • Movements • Forces • Weights

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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 / (cm2)	Positive PSIG/ (Bar)	Vacuum Inches of Hg/ (mm of Hg)	Expansion Joint Assembly	Retaining Ring Set	Control ⁶ Rod Assembly			
5	(125)	6 (152)	231																	
		7 (178)	231																	
		8 (203)	231	1.4	0.7	0.6	15.2	2.0												
		9 (229)	231	(35)	(18)	(15)														
		10 (254)	231																	
		12 (305)	231																	
6	(150)	6 (152)	231																	
		7 (178)	231																	
		8 (203)	231	1.4	0.7	0.6	12.8	2.0												
		9 (229)	231	(35)	(18)	(15)														
		10 (254)	231																	
		12 (305)	231																	
8	(200)	6 (152)	231																	
		7 (178)	231																	
		8 (203)	231																	
		9 (229)	231	1.4	0.7	0.6	9.7	2.0												
		10 (254)	231	(35)	(18)	(15)														
		12 (305)	231																	
10	(250)	6 (152)	221	0.7	0.4	0.5	4.1	2.0												
		7 (178)	221	(18)	(10)	(13)														
		8 (203)	231																	
		9 (229)	231																	
		10 (254)	231	1.6	0.8	0.8	9.1	2.0												
		12 (305)	231	(40)	(20)	(20)														
12	(300)	6 (152)	221	0.7	0.4	0.5	3.4	2.0												
		7 (178)	221	(17)	(10)	(13)														
		8 (203)	231																	
		9 (229)	231																	
		10 (254)	231	1.6	0.8	0.8	7.6	2.0												
		12 (305)	231	(40)	(20)	(20)														
14	(350)	8 (203)	231																	
		9 (229)	231																	
		10 (254)	231	1.6	0.8	0.8	6.5	2.0												
		12 (305)	231	(40)	(20)	(20)														
		12 (305)	231																	
		14 (356)	231																	