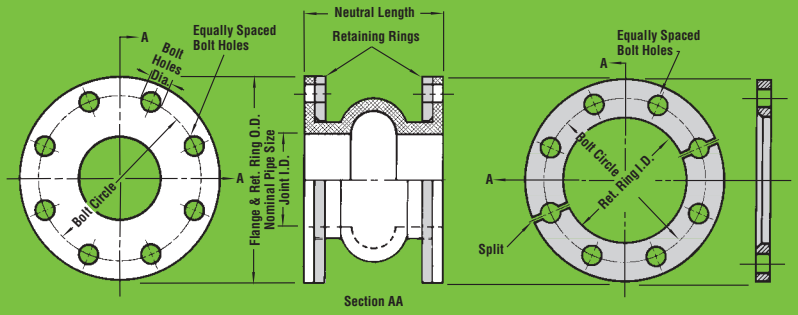
molded wide arch expansion joints

Figure 1: Detail Of Style 261R



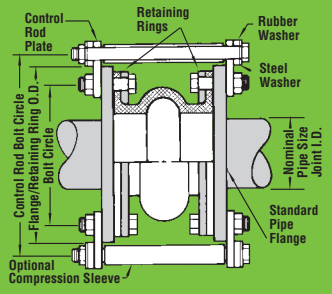


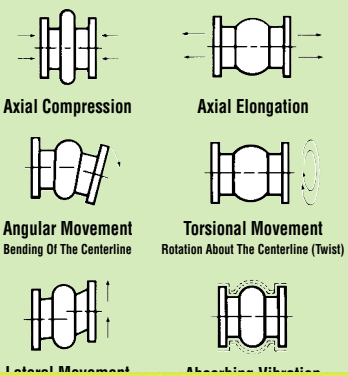
Table 2: Sizes • Movements • Spring Rates • Pressures • Weights • Drilling

EXPANSION JOINT SIZE Nom. I.D. x Inch / (mm)		NEUTRAL LENGTH Inch / (mm)		261R Movement Capability: From Neutral Position [1]						Spring Rates			Operating [4] Conditions		Weights in lbs / (kgs) [5]			Flange Dimensions and Drilling [7]			
				Axial Compression Inch / (mm)	Axial Extension Inch / (mm)	Lateral Deflection Inch / (mm)	Angular Deflection Degrees	Torsional Rotation [2] Degrees	Thrust Factor [3] In2 / (cm2)	Force Pounds for 1" Axial Compression lb/in / (N/mm)	Force Pounds for 1" Axial Extension lb/in / (N/mm)	Force Pounds for 1" Lateral Deflection lb/in / (N/mm)	Positive PSIG / (Bar)	Vacuum Inches of Hg / (mm of Hg)	Expansion Joint	Retaining Ring Set	Control Unit [6] Assembly	O.D. of Expansion Joint / Ring Inch / (mm)	Bolt Circle Inch / (mm)	Number of Holes	Size of Holes Inch / (mm)
1.5	(40)	6	(150)	1.5 (38)	0.625 (16)	0.750 (19)	28°	5°	11.04 (71)	126 (22)	182 (32)	149 (26)	225 (15.5)	24 (610)	1.3 (0.59)	2.5 (1.1)	2.3 (1.0)	5.00 (127.0)	3.88 (98.55)	4	0.625 (15.88)
2	(50)				0.625 (16)	0.750 (19)	25°	5°	14.18 (92)	132 (23)	158 (28)	130 (23)	225 (15.5)	24 (610)	1.7 (0.77)	4.0 (1.8)	2.8 (1.3)	6.00 (152.4)	4.75 (120.65)	4	0.750 (19.05)
2.5	(65)				0.625 (16)	0.750 (19)	20°	5°	17.71 (114)	128 (22)	141 (25)	111 (19)	225 (15.5)	24 (610)	2.1 (0.95)	4.5 (2.0)	2.8 (1.3)	7.00 (177.8)	5.50 (139.70)	4	0.750 (19.05)
3	(80)				0.625 (16)	0.750 (19)	18°	5°	21.64 (140)	139 (24)	208 (36)	133 (23)	225 (15.5)	24 (610)	2.4 (1.0)	5.5 (2.5)	2.8 (1.3)	7.50 (190.5)	6.00 (152.40)	4	0.750 (19.05)
4	(100)				0.625 (16)	0.750 (19)	14°	4°	30.66 (198)	110 (19)	180 (32)	105 (18)	225 (15.5)	24 (610)	3.2 (1.4)	6.0 (2.7)	2.8 (1.3)	9.00 (228.6)	7.50 (190.50)	8	0.750 (19.05)
5	(125)				0.625 (16)	0.750 (19)	13°	4°	41.26 (266)	143 (25)	190 (33)	136 (24)	225 (15.5)	24 (610)	3.6 (1.6)	8.5 (3.9)	4.0 (1.8)	10.00 (254.0)	8.50 (215.90)	8	0.875 (22.23)
6	(150)				0.625 (16)	0.750 (19)	12°	4°	53.43 (345)	136 (24)	166 (29)	147 (26)	225 (15.5)	24 (610)	4.9 (2.2)	9.5 (4.3)	4.0 (1.8)	11.00 (279.4)	9.50 (241.30)	8	0.875 (22.23)
8	(200)				0.625 (16)	0.750 (19)	12°	4°	82.47 (532)	226 (40)	230 (40)	210 (37)	210 (14.8)	24 (610)	7.7 (3.5)	14.5 (6.6)	8.0 (3.6)	13.50 (342.9)	11.75 (298.45)	8	0.875 (22.23)
10	(250)	8	(200)	2.25 (57)	0.750 (19)	1.0 (25)	12°	4°	135.13 (872)	248 (43)	381 (67)	281 (49)	210 (14.8)	24 (610)	13.9 (6.3)	17.0 (7.7)	10.0 (4.5)	16.00 (406.4)	14.25 (361.95)	12	1.000 (25.40)
12	(300)				0.750 (19)	1.0 (25)	11°	4°	179.46 (1158)	378 (66)	493 (86)	409 (72)	210 (14.8)	24 (610)	19.5 (8.8)	24.5 (11.0)	10.0 (4.5)	19.00 (482.6)	17.00 (431.80)	12	1.000 (25.40)
14	(350)				0.750 (19)	1.0 (25)	11°	3°	230.08 (1484)	423 (74)	592 (104)	497 (87)	150 (10.3)	24 (610)	22.7 (10.3)	27.0 (12.3)	12.0 (5.4)	21.00 (533.4)	18.75 (476.25)	12	1.125 (28.58)
16	(400)				0.750 (19)	1.0 (25)	10°	3°	286.98 (1852)	432 (76)	606 (106)	509 (89)	150 (10.3)	24 (610)	26.8 (12.2)	33.5 (15.3)	15.0 (6.8)	23.50 (596.9)	21.25 (539.75)	16	1.125 (28.58)
18	(450)				0.750 (19)	1.0 (25)	8°	3°	350.15 (2259)	543 (95)	761 (133)	690 (121)	150 (10.3)	24 (610)	29.5 (13.4)	34.0 (15.5)	16.0 (7.2)	25.00 (635.0)	22.75 (577.85)	16	1.250 (31.75)
20	(500)				0.750 (19)	1.0 (25)	8°	3°	419.61 (2707)	628 (110)	829 (145)	776 (136)	150 (10.3)	24 (610)	31.8 (17.3)	38.0 (17.3)	16.0 (7.2)	27.50 (698.50)	25.00 (635.00)	20	1.250 (31.75)

Notes:

1. Movements shown are non-concurrent.
2. Torsional movement is expressed when the expansion joint is at neutral length.
3. To determine "end thrust," multiply thrust factor by operating pressure of system.
4. Pressure rating is based on 194°F operating temperature. At higher temperature the pressure rating is slightly reduced.Vacuum rating is expressed when expansion joint is at neutral length.
5. Weights are approximate.
6. Control unit weight consists of one rod, four washers, three nuts and two control rod plates. Multiply number of control units needed for application (as specified in the Fluid Sealing Association Technical Handbook) to determine correct weights.
7. Dimensions shown are in accordance with 125/150# standards of ANSI B-16.1, B-16.24, B-16.5; AWWA C-207 Table 1 and 2 Class D.

PROCO™ Series 261R Products Are Designed To Absorb Different Movements Concurrently.



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