

Shown with optional Control Unit W/B
(others available)

Style 1101CR Rubber Expansion Joint

Sizes 2" [DN50] - 18" [DN450] | 1101CR-0000-7.15



Section Detail

- Unfilled Arch
- Filled Arch
(reduce movements by 50%,
increase spring rates by 400%)

	Pure Gum	Neoprene	Butyl	Nitrile (Buna-N)	EPDM	Viton® (FKM)
Tube	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cover	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tire Cord:	° F [° C]	° F [° C]	° F [° C]	° F [° C]	° F [° C]	° F [° C]
<input type="checkbox"/> Polyester	180 [82]	225 [107]	250 [121]	210 [99]	250 [121]	250 [121]
<input type="checkbox"/> Kevlar®	180 [82]	225 [107]	300 [149]	210 [99]	350 [177]	400 [204]

Maximum Temperature rating based on lowest temperature material selected. EPDM or Butyl w/Polyester Tire Cord rated 300°F (149°C) for Air Service up to 25 psig (1.7 barg)

Bill of Materials

ITEM	MATERIAL	FINISH
Retaining Ring	<input type="checkbox"/> Carbon Steel	Hot Dipped Galvanized
	<input type="checkbox"/> Stainless Steel	Plain
Gusset	<input type="checkbox"/> Carbon Steel	Hot Dipped Galvanized
	<input type="checkbox"/> Stainless Steel	Plain
Rods	<input type="checkbox"/> ASTM A193 B7 Alloy Steel	Hot Dipped Galvanized
	<input type="checkbox"/> ASTM A193 B8M 316 SS	Plain
Nuts	<input type="checkbox"/> ASTM A194 2H Steel	Hot Dipped Galvanized
	<input type="checkbox"/> ASTM A194 B8 316 SS	Plain
Spherical Washers	<input type="checkbox"/> Stainless Steel	Plain
Metal Reinforcement	High Tensile Steel	Rubber Embedded
Textile Reinforcement	Tire Cord	RFL Coating

Operational Parameters (customer specified)

Large End	Small End	F/F	Pressure
Size ID (DN) <input type="text"/>	X <input type="text"/>	<input type="text"/>	<input type="text"/>
Flange Drilling <input type="text"/>	X <input type="text"/>	Qty. <input type="text"/>	Vacuum <input type="text"/>

SIZE			MOVEMENT (non-concurrent)				PRESSURE		WEIGHT			
Large End ID in [mm]	Small End ID in [mm]	Minimum Length Available (F/F) in [mm]	Large End Flange TH. in [mm]	Small End Flange TH. in [mm]	Comp. in [mm]	Ext. in [mm]	Lateral in [mm]	Angular Degrees	Torsional Degrees	Pressure psig [barg]	Vacuum in-Hg [barg]	Gross Weight w/o Control Unit lbs [kg]
2 [50]	1 [25]	6 [152]	7/8 [22.2]	7/8 [22.2]	1/2 [12.7]	1/4 [6.4]	1/2 [12.7]	16	3.1	165 [11.4]	15 [-0.5]	6 [2.7]
2 1/2 [65]	1 [25]	6 [152]	7/8 [22.2]	7/8 [22.2]	1/2 [12.7]	1/4 [6.4]	1/2 [12.7]	14	3.0	165 [11.4]	15 [-0.5]	7 [3.2]
3 [80]	1 [25]	6 [152]	7/8 [22.2]	7/8 [22.2]	1/2 [12.7]	1/4 [6.4]	1/2 [12.7]	12.5	2.9	165 [11.4]	15 [-0.5]	8 [3.6]
4 [100]	2 [50]	6 [152]	7/8 [22.2]	7/8 [22.2]	1/2 [12.7]	1/4 [6.4]	1/2 [12.7]	9.5	2.7	165 [11.4]	15 [-0.5]	10 [4.5]
5 [125]	2 [50]	6 [152]	7/8 [22.2]	7/8 [22.2]	1/2 [12.7]	1/4 [6.4]	1/2 [12.7]	6.3	2.6	150 [10.3]	15 [-0.5]	15 [6.8]
6 [150]	3 [75]	6 [152]	7/8 [22.2]	7/8 [22.2]	1/2 [12.7]	1/4 [6.4]	1/2 [12.7]	6.1	2.4	150 [10.3]	15 [-0.5]	16 [7.3]
8 [200]	4 [100]	6 [152]	7/8 [22.2]	7/8 [22.2]	3/4 [19]	3/8 [9.5]	1/2 [12.7]	6.0	2.2	150 [10.3]	15 [-0.5]	19 [8.6]
10 [250]	6 [150]	8 [203]	7/8 [22.2]	7/8 [22.2]	3/4 [19]	3/8 [9.5]	1/2 [12.7]	5.8	2.1	150 [10.3]	15 [-0.5]	34 [15.5]
12 [300]	6 [150]	8 [203]	7/8 [22.2]	7/8 [22.2]	3/4 [19]	3/8 [9.5]	1/2 [12.7]	5.2	2.0	150 [10.3]	15 [-0.5]	42 [19]
14 [350]	8 [200]	8 [203]	1 [25.4]	1 [25.4]	3/4 [19]	3/8 [9.5]	1/2 [12.7]	3.9	1.8	90 [6.2]	15 [-0.5]	55 [25]
16 [400]	10 [250]	8 [203]	1 [25.4]	1 [25.4]	3/4 [19]	3/8 [9.5]	1/2 [12.7]	3.3	1.4	70 [4.8]	15 [-0.5]	64 [29]
18 [450]	12 [300]	8 [203]	1 [25.4]	1 [25.4]	3/4 [19]	3/8 [9.5]	1/2 [12.7]	2.6	1.0	70 [4.8]	15 [-0.5]	72 [32.7]

Available in standard or custom face-to-face dimensions, custom offset arrangements and sizes not shown.

Contact General Rubber Corporation for full product specifications, Warnings and installation instructions.