

RUBBER EXPANSION JOINTS

[LITERATURE](#) [SUBMITTALS/SPECS](#) [DRAWINGS](#) [INSTALL INSTRUCTIONS](#) [O&M MANUALS](#) [WHITE PAPERS](#)

CASE STUDIES

RUBBER EXPANSION JOINTS AND PUMP CONNECTORS

Concentric Reducer

Get your big pipes and small pipes together, and reduce noise and vibration at the same time.

Also called a tapered expansion joint, the Metraflex Concentric Rubber Reducer connects unequal size pipes that share a common centerline. These joints eliminate the need for metallic reducers and at the same time provide sound and vibration isolation and expansion compensation.

A high strength synthetic fabric is used to reinforce the body. Flanges are drilled to standard ANSI dimensions and all joints are provided with metal retaining rings.

Concentric Reducer (For eccentric configuration Style 100E, contact Metraflex.)

Pressure/vacuum:

165 PSI/26 in. Hg for sizes 2x1x6 thru 4x3x6

140 PSI/26 in. Hg for sizes 5x3x6 thru 12x10x8

85 PSI/15 in. Hg for sizes 14x8x8 thru 14x12x6

65 PSI/15 in. Hg for sizes 16x10x8 thru 18x16x8

Maximum temperature, all sizes: 230°F.



[Back to Non-Metallic Joints/Connectors Page](#)

[Back To Expansion Joint Page](#)

MODEL#	PIPE SIZE TO PIPE SIZE	MINIMUM FACE TO FACE	MOVEMENT CAPABILITIES				WEIGHT W/RINGS
			COMPRESSION	ELONGATION	LATERAL	ANGULAR	
			(in.)	(in.)	(in.)	(degrees)	
100C2x1x6	2x 1	6	.5	.25	.5	3	8
100C2x1.5x6	2x 1.5	6	.5	.25	.5	3	8
100C2.5x1.5x6	2.5 x 1.5	6	.5	.25	.5	3	10
100C2.5x2x6	2.5x 2	6	.5	.25	.5	3	11
100C3x1.5x6	3x 1.5	6	.5	.25	.5	3	11
100C3x2x6	3x 2	6	.5	.25	.5	3	12
100C3x2.5x6	3x 2.5	6	.5	.25	.5	3	13
100C4x2x6	4x 2	6	.5	.25	.5	3	15
100C4x2.5x6	4x 2.5	6	.5	.25	.5	3	16
100C4x3x6	4x 3	6	.5	.25	.5	3	18
100C5x3x6	5x 3	6	.5	.25	.5	3	17
100C5x4x6	5x 4	6	.5	.25	.5	3	18
100C6x2x8	6x 2	8	.5	.25	.5	3	18
100C6x2.5x6	6x 2.5	6	.5	.25	.5	3	19
100C6x3x6	6x 3	6	.5	.25	.5	3	19
100C6x4x6	6x 4	6	.5	.25	.5	3	20
100C6x4x8	6x 4	8	.5	.25	.5	3	24
100C6x5x6	6x 5	6	.5	.25	.5	3	26
100C8x3x6	8x 3	6	.75	.375	.5	3	26
100C8x4x6	8x 4	6	.75	.375	.5	3	28
100C8x4x8	8x 4	8	.75	.375	.5	3	30
100C8x5x6	8x 5	6	.75	.375	.5	3	31
100C8x6x6	8x 6	6	.75	.375	.5	3	33
100C8x6x8	8x 6	8	.75	.375	.5	3	34
100C10x5x8	10x 5	8	.75	.375	.5	3	36
100C10x6x8	10x 6	8	.75	.375	.5	3	38
100C10x8x6	10x 8	6	.75	.375	.5	3	40
100C10x8x8	10x 8	8	.75	.375	.5	3	43
100C12x6x8	12x 6	8	.75	.375	.5	3	48

100C12x8x6	12x 8	6	.75	.375	.5	3	50
100C12x8x8	12x 8	8	.75	.375	.5	3	53
100C12x10x8	12x 10	8	.75	.375	.5	3	59
100C14x8x8	14x 8	8	.75	.375	.5	2	65
100C14x10x8	14x 10	8	.75	.375	.5	2	68
100C14x12x8	14x 12	8	.75	.375	.5	2	70
100C16x10x8	16x 10	8	.75	.375	.5	2	78
100C16x12x8	16x 12	8	.75	.375	.5	2	81
100C16x14x8	16x 14	8	.75	.375	.5	2	89
100C18x12x8	18x 12	8	.75	.375	.5	1	88
100C18x14x8	18x 14	8	.75	.375	.5	1	90
100C18x16x8	18 x 16	8	.75	.375	.5	1	99

[Back to top](#)

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