

Style 8400

Garlock offers a wide range of duct type expansion joints for lightweight applications, especially for scrubbers, precipitators, bag houses, and fans in air handling systems. Style 8400 expansion joints are available in round, rectangular or square configurations, as belt type (without flanges) or U-type (flanged), with virtually no size restrictions.

RECTANGULAR / SQUARE

- » Face-to-face dimensions: typically 6" (152 mm), 9" (229 mm) or 12" (305 mm)
- » If any side is smaller than 24" (600 mm), joint will be built on a metal form with column corners

NOTE: Other sizes also available. If more movement is required, please contact Garlock.

ROUND

- » Supplied in any size, with or without flanges or arch
- » Movement capabilities depend on expansion joint size and arch configuration

BELT TYPE

- » Supplied in any size, without flanges, with or without an arch
- » Available in the same materials as Style 8400 round expansion joints
- » Movement capabilities depend on installation width and arch configuration
- » Supplied open-ended (wraparound), or continuous to fit over ducting

TEMPERATURE - UP TO 400°F (205°C)

Max temperature is based on the lowest temperature of the material selected.

PRESSURE RATING - 3psi (.2 bar)

VACUUM RATING - 6 In. Hg. (152 mm Hg.)

MATERIALS OF CONSTRUCTION

See pages 3 - 5 for tube and cover material options.



MOVEMENT CHART - NO ARCH

ID/Face to Face	Max. Compression		Max. Elongation		Max. Lateral	
	inch	mm	inch	mm	inch	mm
All sizes	1/4	6	1/4	6	1/4	6



MOVEMENT CHART - EZ-FLO™ ARCH

ID		Max. Compression		Max. Elongation		Max. Lateral	
inch	mm	inch	mm	inch	mm	inch	mm
1"-5"	25-125	0.75	19	0.375	10	0.5	13
6"-18"	150-450	1	25	0.5	13	0.5	13
20"-24"	500-600	1.125	29	0.5	13	0.5	13
26"-40"	650-1000	1.25	32	0.5	13	0.5	13
42"-120"	1050-3000	1.375	35	0.5	13	0.5	13



MOVEMENT CHART - FLOWING ARCH

F - F		Max. Compression		Max. Elongation		Max. Lateral	
inch	mm	inch	mm	inch	mm	inch	mm
6	150	1½	38	½	13	±1	25
9	225	3	76	1	25	±2	50
12	300	4	100	1	25	±2½	63
16	400	6	150	1	25	±3½	89

NOTE: Available with 3" wide flanges only and 24" minimum ID