

# Style 9394

This multi-convolute, lightweight expansion joint is designed for lower pressure applications that require significant amounts of movement, axially and/or laterally. With low spring rates, it is ideal for load cell applications as well.

## BENEFITS

- » The lightweight design installs easily and carries the added bonus of reduced shipping costs when compared to higher pressure designs.
- » Custom designs available for applications requiring greater than published movement ratings.
- » A variety of construction materials are available for a wide range of temperature needs.
- » Available in flanged or sleeve type design, up to 48" max. (1,219 mm) I.D. \*Contact Garlock for larger ID sizes
- » Flanges
  - › The seamless flange face eliminates the need for separate gaskets to facilitate installation in flat face flanges
  - › Multiple flange configurations available:
    - ASME B16.5/B16.47 Series A Class 125/150 (standard)
    - ASME B16.5/B16.47 Series A Class 250/300
    - EN 1092-1 PN10
    - EN 1092-1 PN16
    - Other configurations available upon request

NOTE: To achieve an effective seal, flanged designs must be installed with retaining rings, sleeve designs installed with clamping rings. The overall length of the sleeve should include an additional 4 inches (101.6mm) for clamping space.

## PRESSURE RATING

- » Without external reinforcing rings: up to 3 psi (0.2 bar)
- » With external reinforcing rings: up to 15 psi (1.0 bar)

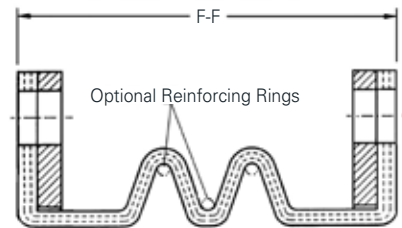
## VACUUM RATING

- » Without internal reinforcing rings: up to 3 inches (75 mm) Hg
- » With internal reinforcing rings: up to 15 inches (381 mm) Hg

Contact Garlock if higher vacuum or pressure ratings are required.

## MOVEMENT CAPABILITIES PER CONVOLUTION

NOMINAL ID		COMPRESSION		ELONGATION		LATERAL	
		inch	mm	inch	mm	inch	mm
2 - 6	50 - 150	3/4	19	5/8	16	5/8	16
8 - 10	200 - 250	7/8	22	3/4	19	3/4	19
12 - 18	300 - 450	1-1/8	28	1	25	1	25
20 - 48	500 - 1200	1-5/8	41	1-1/4	31	1-1/4	31



Cross Section of Style 9394 w/ optional Reinforcing Rings

## TEMPERATURE - UP TO 400°F (205°C)

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

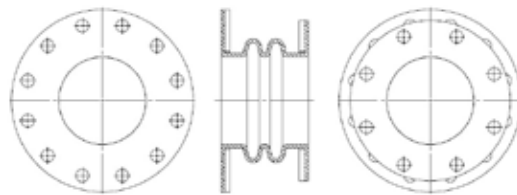
## STANDARD FACE TO FACE

NUMBER OF CONVOLUTIONS	MIN. F - F	
	inch	mm
1	4.5	114
2	6	152
3	7.5	191
4	9	229

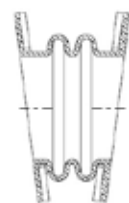
## MATERIALS OF CONSTRUCTION

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

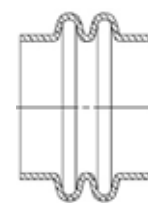
## OPTIONAL CONFIGURATIONS



Unique Drill Patterns per flange



Angular Offset



Sleeve Connection



Lateral Offset