

# Style 9394

This multi-convoluted, lightweight expansion joint is designed for low pressure applications that require significant amounts of movement, axially and/or laterally. Its low spring rates make it ideal for load cell applications.

## Benefits

- Lightweight design installs easily, costs less to ship
- Can be custom-designed for even greater movement capability
- Choice of construction materials suitable for wide range of temperatures
- Available in flanged or sleeve type design, up to 48" max. (1,219 mm) I.D. \*Contact Garlock for larger ID sizes

**Note:** Flanged designs require retaining rings for an effective seal. Sleeve type requires clamps; the overall length of the expansion joint should include an additional 4" (101.6 mm) for clamping space.

## Pressure

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

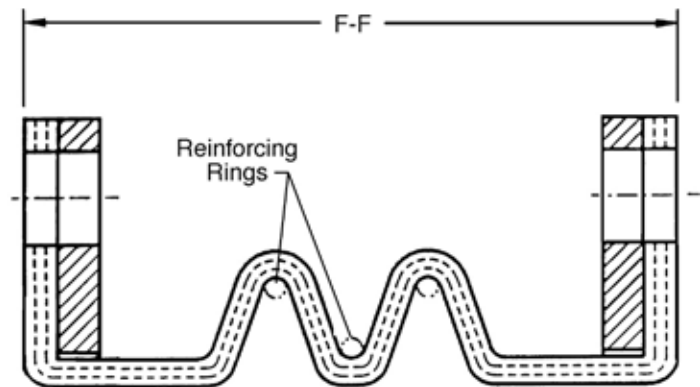
## Vacuum

- 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

Type Movement	Pipe Size		Movement	
	Inch	mm	Inch	mm
Compression	2-6	50-150	3/4	19
	8-10	200-250	7/8	22
	12-18	300-450	1-1/8	28
	20-28	500-700	1-5/8	41
	30-Up	750-Up	1-3/4	44
Elongation	2-6	50-150	5/8	16
	8-10	200-250	3/4	19
	12-18	300-450	1	25
	20-28	500-700	1-1/4	31
	30-Up	750-Up	1-1/2	38
Lateral	2-6	50-150	5/8	16
	8-10	200-250	3/4	19
	12-18	300-450	7/8	22
	20-28	500-700	1	25
	30-Up	750-Up	1-1/2	38



*Cross Section of Style 9394 with Reinforcing Rings*

## Alternate Tube and Cover Materials

- Neoprene
- Nitrile
- Hypalon\*
- Natural/gum rubber
- EPDM
- Viton\*

## Temperature

Standard Materials	Max. Temp.
Chlorobutyl/polyester.....	+250°F (+120°C)
Chlorobutyl/fiberglass/Kevlar* .....	+300°F (+150°C)
Fluoroelastomer/fiberglass/Kevlar .....	+400°F (+205°C)

\* Kevlar is a registered trademark of DuPont;  
Viton and Hypalon are registered trademarks of DuPont Dow Elastomers.