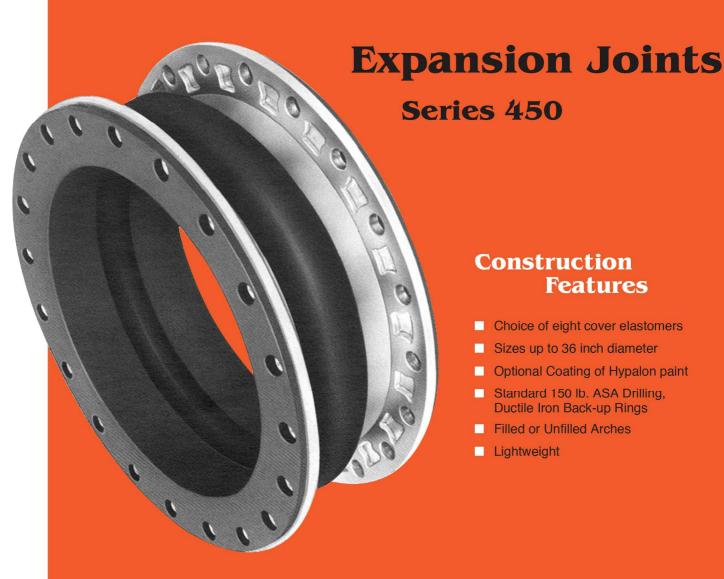
MERCER FLEXMORE

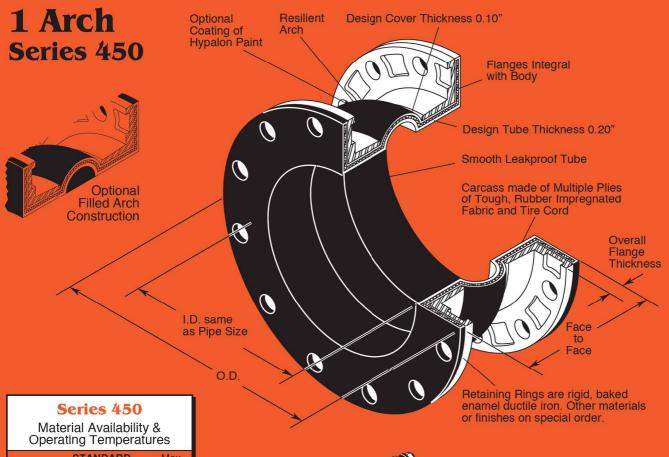


Construction **Features**

- Choice of eight cover elastomers
- Sizes up to 36 inch diameter
- Optional Coating of Hypalon paint
- Standard 150 lb. ASA Drilling, **Ductile Iron Back-up Rings**
- Filled or Unfilled Arches
- Lightweight

Performance Features

- Working pressures up to 250 psi in all sizes
- Greater movements per arch
- Manufactured in one to six arches
- Minimum 3 to 1 safety factor to burst pressure
- Wide arch contour provides controlled extension under pressure
- Lower spring rates





^{*}Max 250°F for intermittent service; see Note 2 under 'CAUTION' on p.4.

Typical Multiple Arch Construction

Hot Dipped Galvanized Steel Body Hoop Rings

Self Guiding Control Rod Assemblies may be needed on multiple arch joints to balance movements and maintain arch alignment depending on diameter, number of arches and operating pressure.

Series 450

Mercer Flexmore Series 450 is the most economical, full-pressure elastometric expansion joint available. Tough fabric and tirecord plies are bonded between the tube and cover in a steel mold and then cured in a thermostatically controlled steam chamber. The product is uniform in both appearance and performance. A wide, low profile arch provides exceptional flexibility and virtually eliminates the need for filled arches in all but the most severe sludge and slurry applications. External integral flange reinforcing rings control both radial and arch swell. A variety of cover and tube elastomers are available, offering superior chemical, aging and temperature resistance from -30° to +250°F* operating temperatures.

Series 450 Drilling Dimensions ASA Class 150 lb.

Pipe Size (in)	Flange OD (in)	Overall Flange Thickness (in)	Dia. Bolt Circle (in)	No. of Holes	Dia. of Holes (in)
11/2	5	3/4	37/8	4	5/8
2	6	13/16	43/4	4	3/4
21/2	7	13/16	51/2	4	3/4
3	71/2	13/16	6	4	3/4
4	9	7/8	71/2	8	3/4
5	10	7/8	81/2	8	7/8
6	11	7/8	91/2	8	7/8
8	131/2	7/8	113/4	8	7/8
10	16	7/8	141/4	12	7/8
12	19	7/8	17	12	7/8
14	21	1	183/4	12	11/8
16	231/2	1	211/4	16	11/8
18	25	1	223/4	16	11/4
20	271/2	1	25	20	11/4
24	32	1	291/2	20	13/8
30	383/4	1	36	28	13/8
36	46	11/4	423/4	32	15/8