

# MERCER

## Vibraflex Reinforced Rubber Pipe

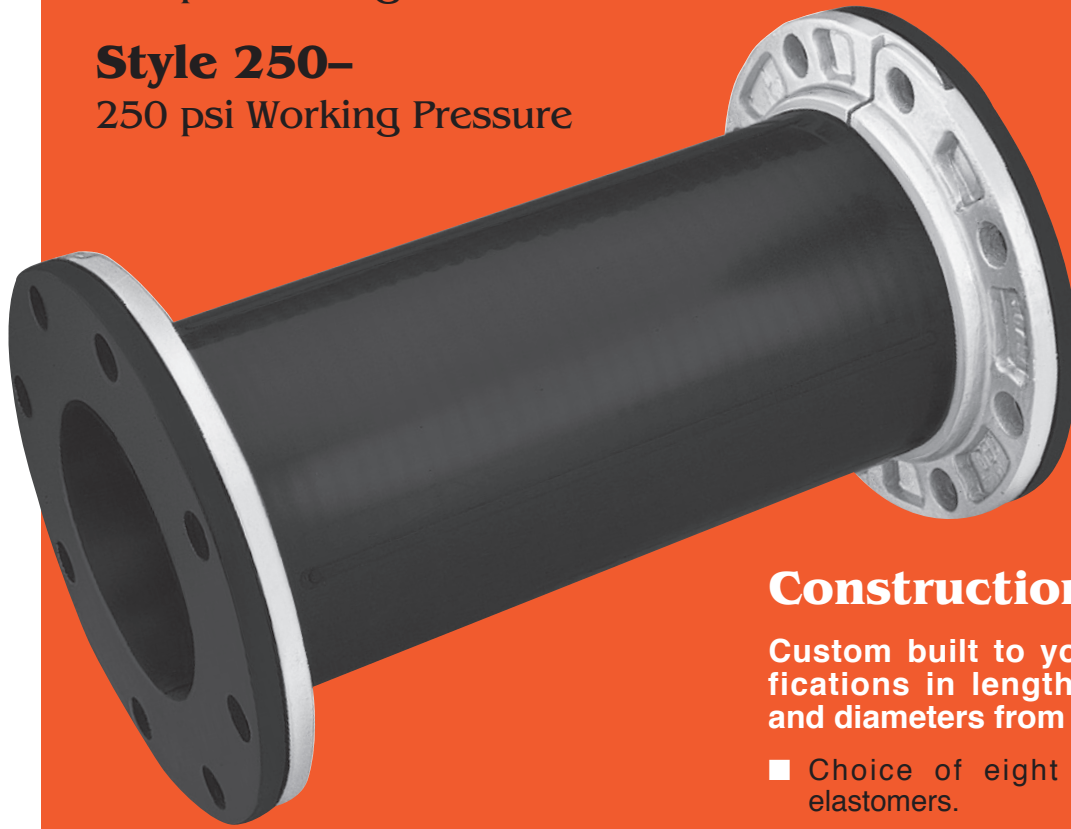
for Fluid Service Only

### Style 150–

150 psi Working Pressure

### Style 250–

250 psi Working Pressure



### Construction Features

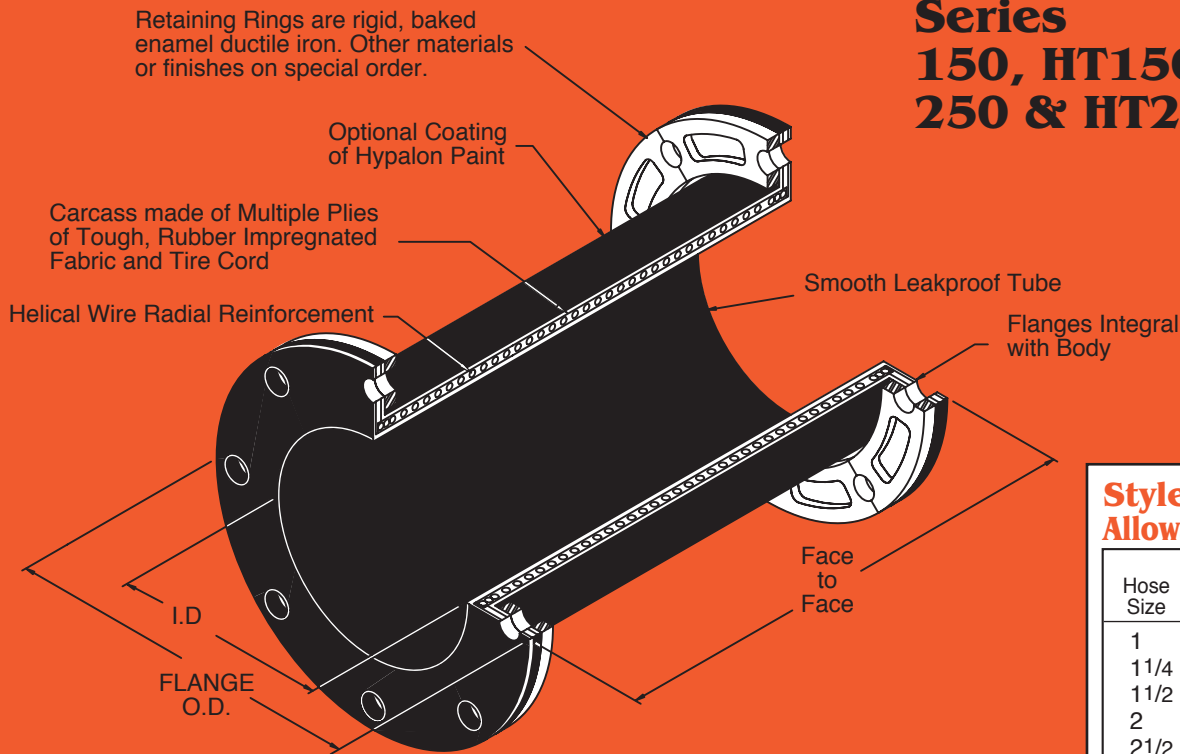
Custom built to your exact specifications in lengths up to 12 feet and diameters from 1" to 48".

- Choice of eight cover and tube elastomers.
- Choice of cover to match tube materials or different materials for superior resistance to external conditions.
- Carcass constructed of multiple plies of polyester tire cord to minimize elongation.
- Baked Enamel, Galvanized Ductile Iron, Carbon or Stainless Steel Split Backup Rings.
- 150 lb. ASA drilling is standard. Other drillings or completely customized drillings as required. Opposite flanges can have different drillings to serve as transition pieces.
- Helical wound spring wire runs through the carcass for radial reinforcement.
- Can be built with permanent offset to compensate for existing or designed piping misalignment.

### Performance Features

- High temperature resistant fabric reinforcement for operating temperatures up to 350°F. when required.
- Components are pressure cured, resulting in structurally sound, long service life.
- Optional exterior coat of Hypalon paint provides additional protection against oxidation, corona, acid splashing or acid fumes.
- Reduces water line noises and vibrations caused by the pipe wall.
- Reduces "water hammer".
- Prevents electrolytic action by eliminating metal-to-metal contact.

# Series 150, HT150, 250 & HT250



## Style 150 Allowable Movements

Hose Size	Typical Lengths (in)	Transverse Motion (in)
1	9	1
1 1/4	10	7/8
1 1/2	11	3/4
2	12	3/4
2 1/2	16	5/8
3	18	5/8
4	24	5/8
5	30	5/8
6	36	5/8
8	36	1/2
10	36	1/2
12	48	1/2

## Series 150 *(Working Pressure 150 psi and Full Vacuum)*

The Vibraflex 150 reinforced rubber pipe is hand built by our skilled craftsmen. To minimize pipe elongation, the carcass is constructed of multiple plies of high tensile polyester tire cord or Kevlar for high temperatures. Helical spring steel wire is imbedded in the carcass to prevent kinking or crushing as well as for radial pressure reinforcement. A variety of cover and tube elastomers are available, offering superior chemical, aging and temperature resistance from -30° to +250°F operating temperatures. Please refer to the choices on the table to the right.

## Series 250

The Vibraflex 250 has all the features of the 150, with working pressures up to 250 psi and full vacuum.

## Series HT150 & HT250

The Vibraflex HT150 & HT250 are a High Temperature series. The tube and cover are either EPDM or Viton® and the reinforcement is Kevlar for full pressure service up to 350°F.

## Proper Installation Procedures:

1. Anchor rigid metal piping securely. Do not weld near rubber.
2. Use suitable hangers so weight is not on the Vibraflex hose.
3. Measure lengths accurately, then install Vibraflex in exact normal length, avoiding compression or elongation.
4. Tighten bolts in equal steps until rubber flange bulges slightly between retaining ring and adjoining pipe flange. Check bolt tightness several days after initial operation and then periodically thereafter.
5. Check temperature and pressure ratings for intended service.

## Series 150 & 250

### Material Availability & Operating Temperatures

Series 150 & 250	STANDARD TUBE	MATERIALS COVER	Max Oper. Temp.
B	Butyl	Butyl	250°F
E	EPDM	EPDM	250°F
H	Hypalon	Hypalon	225°F
HN	Hypalon	Neoprene	225°F
N	Neoprene	Neoprene	225°F
NH	Neoprene	Hypalon	225°F
Ni	Nitrile	Nitrile	210°F
NiN	Nitrile	Neoprene	210°F
NR	Neoprene	Natural	225°F
R	Natural	Natural	180°F
RN	Natural	Neoprene	180°F
V	Viton®	Viton®	250°F

## Series HT150 & HT250

### Material Availability & Operating Temperatures

HT150/ HT250	HIGH TEMPERATURE MATERIAL COVER	Max Oper. Temp.
K-E	EPDM	350°F
K-V	Viton®	350°F



# MERCER RUBBER Co.

350 Rabro Drive • Hauppauge, NY 11788 • Tel 631-582-1524 • FAX 631-348-0279

Email [Info@Mercer-Rubber.com](mailto:Info@Mercer-Rubber.com) • Website [www.Mercer-Rubber.com](http://www.Mercer-Rubber.com)