

Steel Elbow Repair Sleeve

Bulletin No. 200512ERX1
Version: 02.2017 REV B



Description

EngRx has developed a line of steel repair sleeves for standard butt weld elbow type fittings. The sleeve is a pressure retaining weld-on type, similar to "Type B" straight line repair sleeves. The purpose of the sleeve is to repair defects consistent with in-service piping elbows, such as internal/external erosion & corrosion, dents, gouges, pinholes, or weld defects. The sleeves are designed to be installed while the damaged line is active or live.

Sizes

- 1/2-24 NPS 90° ASME B16.9 LR Elbows

Pressure/Temperature Ratings

- ASME B16.5 Class 150/300
- ASME B16.5 Class 600
- MDMT: -50 °F
- Corrosion Allowance: 1/16 in [1.6 mm] standard

Material

- SA-105/SA-350 Gr. LF2 Cl. 1 (Dual Certified, Pressure Grade Forging)

Design codes

- ASME B31.1
- ASME B31.3
- ASME B31.4, Design Factor 0.60
- ASME B31.8
- ASME Section VIII Div. 1
- CSA Z662 General Service, Location Factor 0.80
- CSA Z662 Steam or High Temperature Service

Installation

- Position top and bottom sleeve halves and tack weld in place
- Complete longitudinal weld seam between sleeve halves (weld prep provided)
- Complete circumferential welds on sleeve ends
- Perform weld NDE

Options

- Backing strip for longitudinal seams
- Vent coupling(s)
- Weld prep on circumferential ends for groove welds

Note that deviations from any of the information provided above may be available upon request.