



Benefits

Eliminates unplanned down time

Extends the life of aging and corroding assets

Prevents future external corrosion

No pipe cutting or welding

No special tools to install

No environmental hazards

No hot work

General Information

Clock Spring[®] Snap Wrap is a multi-layered system of high-strength, corrosion-resistant fiberglass that forms a composite split sleeve. Designed for repair and reinforcement in tight quarters, on pipe that is difficult to access, and on subsea pipe, it is installed with a high-performance adhesive and filler material and works best on pipe operating to <1,000 psi.

The split sleeves can be applied quickly and easily even in challenging environments, such as underwater, in splash zones, and on pipe racks with limited clearance, and require no cutting, welding, or special tools.

Features

- Corrosion resistance
- ¾ inch to 56-inch diameter
- Pressure or structural reinforcement
- Compliant to DOT regulations, ASME B31, .8, .4, G and PCC-2 Art 4.1, 4.2 and API 570 [Refer to API 570, Section 8.1.4 - Nonwelding Repairs (On-Stream)]

Applications

Low-pressure lines <1,000 psi

Tight access areas

Local distribution and terminal pipelines

Process piping

Subsea and offshore risers

Qualification Data MATERIAL (RESIN)	POLYESTER (STANDARD)	VINYL ESTER (HIGH TEMP)
Service Temperature Range	-60°F to 158°F (-51°C to 70°C)	-60°F to 248°F (-51°C to 120°C)
Application Temperature Range	-40°F to 120°F (-40°C to 48°C)	-40°F to 180°F (-40°C to 82°C)

PROPERTIES	VALUE
Nominal Sleeve Thickness	0.25 inch (6.35 mm)
Sleeve Width	12 inches (305 mm)
Filler Compressive Strength	12,500 psi (86.8 MPa)
Adhesive Lap Shear Strength	1,200 psi (8.4 MPa)