

RedEx®

Internal Pipe Seals

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Quick. Cost-Effective. Permanent.

The RedEx® internal joint seal is designed for accessible pipelines in diameters ranging from 32" - 236".

General Description

When comparing to other joint seals, RedEx features an extra profile. This protects the pipe joint from potential infiltration and/or exfiltration. RedEx is also capable of sealing bends, pipe tolerances and misalignments.

Material Specs

- NSF/ANSI 61 Certified
- Rubber Quality: EPDM, NBR, SBR, Viton
- Steel Sections: Flat Steel 2" x .196", 2" x .315", 2" x .5"
- Stainless Steel Quality: 1.4404, AISI 316 L, 1.4571, AISI 316 Ti, 1.4307, AISI 304 L according to EN 10020
- Pressure/Vacuum: Internal pipe pressure: 363 psi
- External pipe pressure: 145 psi (infiltration) low- pressure / vacuum suitable and adjusted
- Temperature ranges:
 - 68°F to 284°F (EPDM)
 - Non-standard temperature ranges on demand
- Seal Sections/Widths: 10.25", 14.17", 19.69".
Non-standard widths can be custom ordered

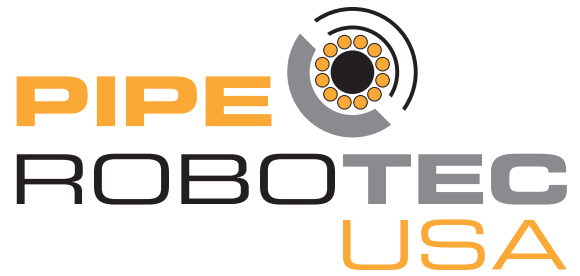


Typical Pipe Conditions

- Leaking sleeves
- Radial cracks
- Corrosion

Pipe Materials

- Steel
- Cast iron
- PVC
- AC
- PE
- GRP
- Reinforced, on-site, prestressed concrete
- Cement mortar



Available Profile Cross-Sections:

- Round profiles
- Special profiles such as oval, jaw, ellipse and corner profiles
(Construction of special profiles available on request)

Polypropylene only conditionally possible

Suitable Pipe Systems:

- Potable water
- Wastewater
- Salt water
- Caustic sewer water
- Service water
- Industrial process water
- Gas/fuel

Physical Properties

Tensile Strength	1850 psi
Elongation @ Break	468% min.
Hardness (Durometer)	62+5
Accelerated Aging	Max. 15% decrease of tensile, 20% of elongation
Compression Set	23% max. decrease
Low Temperature Brittle Point	No fracture @ -45 C
Tear Resistance	260 lb. f/in.
Splice Strength	180° bend with no separation