







The original permanent **no-dig** pipe repair seal.

Fully installed in as little as 40 minutes!

Since the 1960's VIP-Weco internal pipe seals have been used worldwide for trenchless rehabilitation of pipes and sewers for industrial water, drinking water, waste water, fuel and gas.

VIP-Weco use WRAS approved material, comply fully with BS6920 and have a typical life expectancy of 50+ years

During the installation process, rubber sleeves made of EPDM or NBR compounds are applied over the damaged area of the inner wall of the pipe. The rubber sleeve is then held in place by stainless steel retaining bands allowing up to 20 bar of internal or up to 2.0 bar of external pressure.

Once the VIP-Weco is installed, a safe, durable and low-cost mechanical sealing solution is achieved. Typical installation time of circa 40 minutes per seal.

For special applications such as longitudinal cracking or where aggressive chemicals are used, we develop bespoke sealing solutions.

We can also provide:

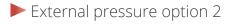
- ► Pipeline repair & rehabilitation consultancy services
- ► Installation and testing of VIP-Weco seals where required
- Training and accreditation for third party installation of the VIP-Weco sealing system



VIP-WECO NO DIG PIPE REPAIR SEALS

VIP-Weco Configurations - available in 280mm or 480mm wide

External pressure option 1



External pressure option 3



Internal pressure: 20bar External Pressure: 0.4bar



Internal pressure: 20bar External Pressure: 0.8bar



Internal pressure: 20bar External Pressure: 2.0bar

► End liner sealing application



Configurations are available in options 1-3 for end liner sealing applications.

Extra wide configuration



For use when the affected area is wider than 480mm.

Advantages of the VIP-Weco system

- ► Reduced supply interruptions due to quick installation
- ➤ Significant reductions in excavations because depending on the pipe diameter, pipe access is only required every 150-400m
- ► The VIP-Weco system can be used with almost all pipe materials (concrete, steel, ductile iron, clay, plastic and GRP)
- ▶ Pipe junctions, pipe feeders, recesses, etc can also be isolated or sealed
- In addition to round profiles, other non-circular profiles (egg, ellipse, oval) can be sealed
- ► The permanent elasticity and flexibility of the sleeves secures a permanent seal of the pipe joints, even in the event of shifts of the pipe axis after rehabilitation
- Can be used in both horizontal and vertical pipe systems

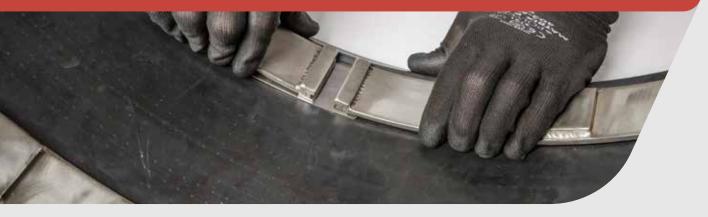
Spreading retaining band

Inserting locking wedge

Complete VIP-Weco Seal



TECHNICAL SPECIFICATION



Rubber quality EPDM for drinking water

EPDM for industrial water, waste water (EPDM - ethylene-propylene-diene rubber)

NBR for gas, oil, Kerosene, etc (NBR - acrylonitrile-butadiene rubber)

Shore hardness 70 +/- 5

Diameter Ranges Non walkable: DN185 to DN599

Walkable: DN600 to DN3500

Pressure ranges up to 20 bar internal pipe pressure

Sleeve dimensions Total width: 280mm 480mm

Web width: 150mm 350mm Sleeve thickness: 6mm 6mm

Pipe profiles Egg shaped

Circular

Special profiles on request

Clamping bands material Made of stainless steel (e.g 1.4571, 1.4404 or

1.4301 for water, sewage, gas etc) or carbon steel (eg. Fe 590-2 for gas, oil, etc) depending on operating conditions and special customer

demands.

Material tests Material approvals and certificates are available

upon request.

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