



Specifications for Point Repair System “QuickLock”

Description

Quick Lock is a strictly mechanical point repair system for the inside repair of pipes. *No resin is used!* Application range is from 6 inch to 32 inch pipe diameter. For each individual pipe diameter a specific sleeve diameter has to be chosen.

The components consist of a V4A stainless steel sleeve, covered by an EPDM compression seal. This system can be used for all common sewage, well and potable water piping systems.

Materials

The Quick Lock sleeve body is made of high-grade V4A stainless steel in grade 1.4571. Stainless steel of this grade shows high corrosion resistance. Quick Lock has been designed for the use mainly in municipal sewage and potable water. When intended for industrial sewage, its corrosion resistance has to be evaluated, prior to this specific application.

The thermosetting EPDM rubber gasket is a proven component for the application in municipal sewage and potable water. EPDM distinguishes itself by excellent physical properties and resistance against aging, ozone, atmospheric conditions and environmental influences, alkaline and various leaches and chemicals.

Patented Locking Mechanism

Two tooth strips are punched into the left and right side of the sleeve. In each tooth strip, there is a locking and gear mechanism, guiding the sleeve sheet while being installed. After reaching maximum compression pressure, the gear is permanently locked.

The distance between tooth groove and tooth tip is one click. That means the maximum possible return stroke from tooth tip to the next lower groove may cause a maximum diameter reduction after compression of only about 0.025 inch, independent of the nominal size. Therefore, the locking mechanism operates in an almost infinitely-variable way.

Installation

The installation is very simple and can be performed by occupying only one manhole.



QuickLock can be installed with flow, as there is NO resin involved, which could be flushed out or needs air to cure. QuickLock packers are hollow, allowing the flow go through the packer without backing up sewage. The actual installation time is usually about 3 to 5 minutes.

Applications

- Pipe cracks, root control, abandoned laterals, leaking joints
- For most pipes with a smooth, solid inner coating
- For inner pipe pressure up to 130psi (requires special EPDM seal)
- Maximum allowed pipe offset is 7/16 inch
- Common municipal sewage - for industrial wastewater check with us prior to installation
- Seamless installation (overlapping)

IMPORTANT! Not to be used when parts are intruding or in collapsed pipes! Pipe must be cleaned prior to installation! No solid objects in pipe!

Warranty

RAUSCH offers a standard 50 year warranty on the materials, when used in common municipal sewage conditions.

Current Certifications

QuickLock holds certifications from DIBt, Zulassung Nr. Z-42.3-374 and from WRc, number PT/283/0609.

QuickLock has already been installed by many municipalities and contractors throughout the US. Worldwide, approx. 100,000 sleeves are installed up to date.