

# Remote Controlled Pipe Repair Technology

Trenchless pipe repair using a stainless steel lining to form a structural repair, independent of the host pipe.



**QUICK**  **LOCK**



## Fast Facts:

- Forms a seamless seal inside the existing pipe
- Remotely identify the repair location using Closed Circuit TV
- Suitable for Sewer and Stormwater pipelines
- Safe pipe repair method which removes the need for excavation



*Giving our clients the edge*

**www.usus.com.au +61 3 8788 4200**

40 Commercial Drive Lynbrook Victoria 3975 Australia



# So how does it work?

**Quick Lock is an innovative trenchless pipe repair technology. Using a CCTV controlled carrier unit to position the unique stainless steel sleeve in the repair location, the operator then applies air pressure to expand the one-way locking ratchet system to provide a seamless pipe repair for holes and leaks.**

## What is Quick Lock?

Quick Lock has also been used to great effect in sewer and stormwater networks for:

- Blocking Root Intrusions
- Stopping Leaking Joints and Couplings
- Creating a removable or permanent seal on branch connections
- Sealing Water / Sewer Leaks
- Repairing Cracks

Quick Lock is also suitable for Council drainage applications and multiple sleeves can be used in a line to repair longitudinal cracks. Quick Lock is a German engineered product that has a guaranteed structural life of more than 50 years and it has been applied, proven and tested in Australian sewer and stormwater networks.

## How does Quick Lock work?

Quick Lock uses remote controlled, Closed Circuit Television (CCTV) technology to identify the exact location of a hole or leak before allowing the operator to guide the stainless steel sleeve into place. From the safety and comfort of a CCTV van, the operator uses air pressure to inflate the carrier unit inside the sleeve. The sleeve expands under pressure and locks into place using a one-way ratchet system, to form a seamless seal inside the existing pipe.

## Saves Time, Money & Community Frustration.

- Collaborate with other organisations
- Reduce cost of works by eliminating effort duplication
- Increase opportunity to share resources
- Reduce community frustration
- Convenient and cost effective solution to works coordination

Pipeline repair activity, if conducted using traditional methods, often requires:

- Extended periods of work time involving multiple crews
- Closure of traffic lanes causing significant disruption
- Excavation that requires shielding
- Pipe cutting and replacement
- Management of significant OH&S and Environment risk issues
- Reinstatement of the road, kerb and channels
- Traffic Management throughout the works period

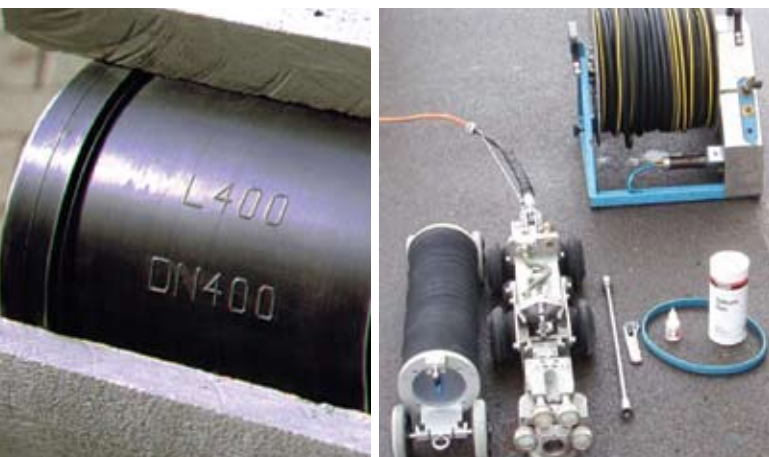
Quick Lock can help avoid many of these costs and issues by using manhole access and CCTV to repair pipes in a fast, safe and cost effective manner.

## Features:

- Quick Lock uses remote controlled, CCTV technology to locate the hole or leak
- A stainless steel sleeve is guided into place using the remote controlled carrier
- Once the carrier is in position, air pressure is used to inflate the carrier unit inside the sleeve
- The stainless steel sleeve expands and locks into place using a one-way ratchet system, to form a seal inside the pipe.

## Benefits:

- Trenchless Pipeline Repair saves time and money against traditional methods
- Equipped CCTV crews can complete repairs as part of routine inspections
- Quick Lock is a structural pipe repair with more than 50 years life expectancy
- Minimises risk of OH&S issues



## At a Glance:

- Remote controlled CCTV is used to identify the repair location inside the pipe
- Operator guides a stainless steel sleeve into place from a remote location
- Air pressure is used to inflate the carrier and expand the pipe lining sleeve
- Quick Lock forms a seamless seal inside the existing pipe
- Faster and safer alternative for pipeline repairs



*Giving our clients the edge*

**www.usus.com.au +61 3 8788 4200**

40 Commercial Drive Lynbrook Victoria 3975 Australia

