

# Leak Stopper™ works fast!

With a clamping strength of 5,929 lbf, the Clock Spring Leak Stopper™ is designed for quick and safe temporary leak containment, with an optimized strapping method that achieves efficient and secure composite placement using teeth that are part of the band. Using the low-profile buckles makes executing repairs less cumbersome and time consuming than alternative methods and produces a finished profile that is only 1 inch thick.

Tested and validated product performance guarantees dependable results.

Conditioned samples of the band have been verified by third-party labs at a breaking strength of 6,294 lbf, giving confidence that a Clock Spring Leak Stopper™ repair is a reliable repair.

## APPLICATIONS

Leak Stopper™ is ideal for onshore oil and gas pipework, refineries and petrochemical plants, and municipal water and gas distribution lines, replacing bulky bolt-on products that require more time to install and introduce greater risk.

Installing the Clock Spring Leak Stopper™ is simple. The process requires a trained installer using a gauged clamping device to tension the specialized band securely over the leak with a low-profile buckle. The result is a reliable and durable temporary repair within seconds. Once the Leak Stopper™ is installed and the leak is stopped, Clock Spring engineers can design an engineered composite solution as an overwrap to prolong the life of the piping system.

## PROTECTION AND SUPPORT

Being able to execute a small installation delivers savings on multiple levels – operators can prepare the pipe closer to the defect using less material, achieving a faster repair that reduces open ditch time along with associated safety risks.

## BENEFITS:

- Rapid repair process prevents environmental exposure to hydrocarbons within seconds
- Teeth designed into the tightening strap improve strength, safety, and repair speed
- Low-profile repair simplifies installation and composite overwrap application
- Third-party verification of 6,294 lbf breaking strength
- Certified SGS tensile strength certificate



## SIMPLE INSTALLATION

A full and thorough risk assessment should be completed before approaching any leak.



Fit the band loosely onto the pipe with the Leak Stopper™ parallel to the pipe to allow it to slide into place. The band should be just loose enough to allow easy movement to maneuver the stopper over the leak.



Slide the center of the stopper "sphere" onto the center of the leak and apply pressure to maintain the position of the Leak Stopper™ while its tightened.



Being mindful of the pinch points along the edges of the stopper, use the ratchet to tighten the band, resetting the metal bracket onto the teeth and closing the ratchet until no more pressure can be applied, and the leak has stopped.



Verify the leak is plugged properly.



Use the back of the tool to trim the excess slack from the band and provide a smooth profile across the pipe.

## CHEMICAL COMPATIBILITY WITH COMMON PROCESS MATERIALS

Chemical	Swelling	Degradation
Ammonia, Anhydrous	No Effect	No Effect
Boric Acid	No Effect	No Effect
Gasoline	No Effect	No Effect
Glycol Ether	No Effect	No Effect
Hexane	No Effect	No Effect
Jet Fuel (JP-5)	No Effect	No Effect
Methanol	No Effect	No Effect
Naphtha	No Effect	No Effect
Sodium Hydroxide 50%	No Effect	No Effect
Triethylamine	No Effect	No Effect

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