



**Fast Construction.  
Permanent Protection.**



**SEALSLEEVE™**  
**Welded Joints for Steel Pipe with Thermoplastic Liners**

Patent Pending



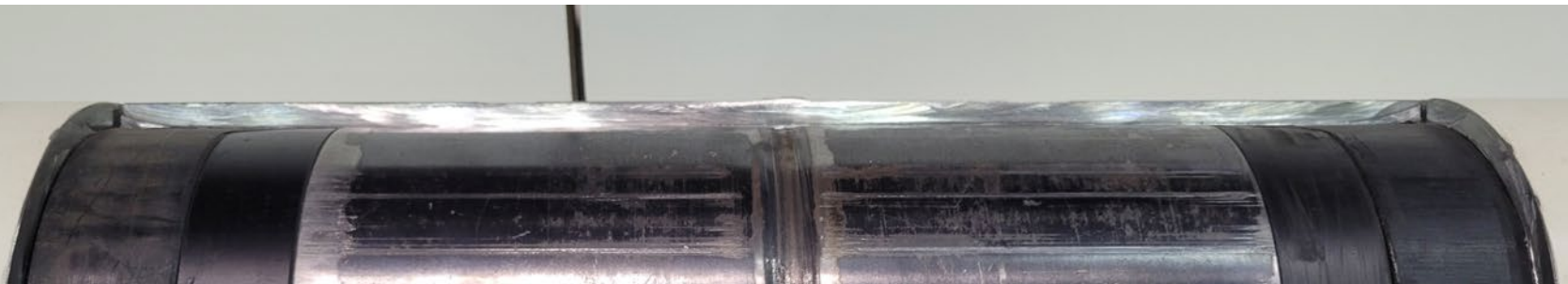
**Pipe with thick, flexible thermoplastic liners (i.e. HDPE, PVDF, PPS, PEX, PEEK) provides one of the safest ways to transport corrosive commodities.**

**Thermoplastic lined pipe is used for offshore and onshore oil production, mining slurries, and other aggressive applications.**

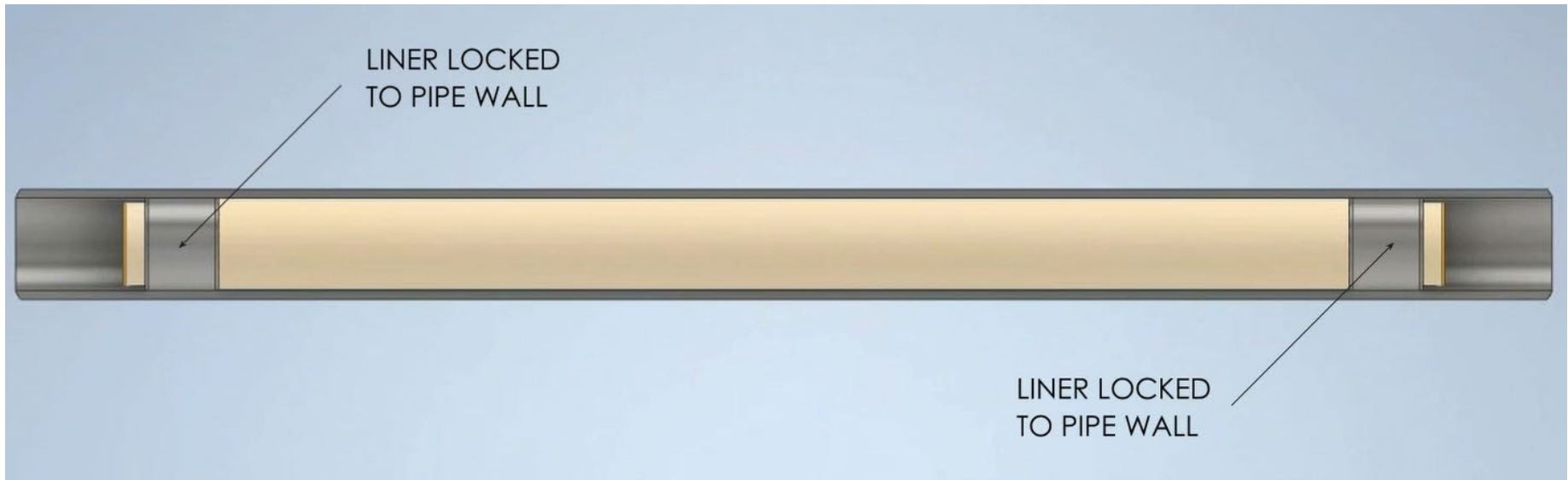
**Welded joint connections are often desired or required, particularly for offshore pipelines.**

# The SealSleeve™ System

- Thermoplastic polymer sleeve bridges the weld zone.
- Permits standard full-penetration weld of carbon steel pipe.
- Faster joint assembly than any other welded joint solution.
- Prevents welding heat from damaging the plastic liner.
- Prevents liquids from reaching the bare steel behind the liner.

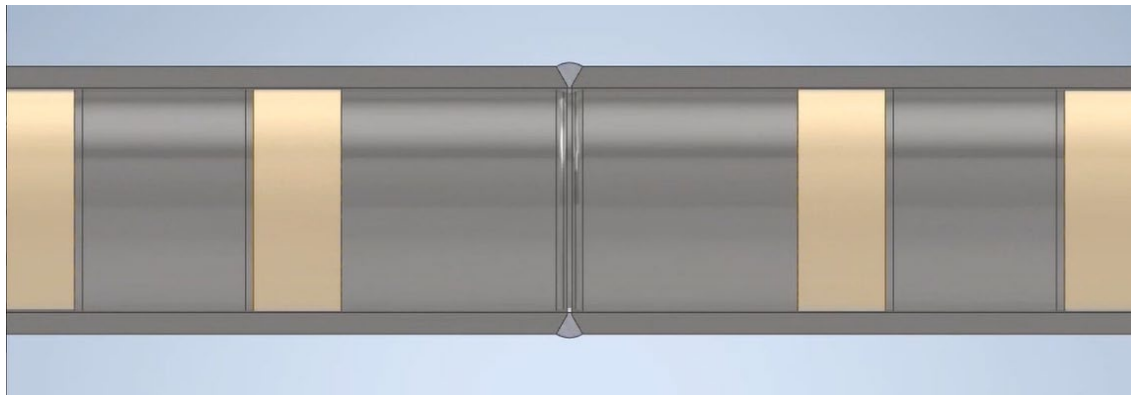
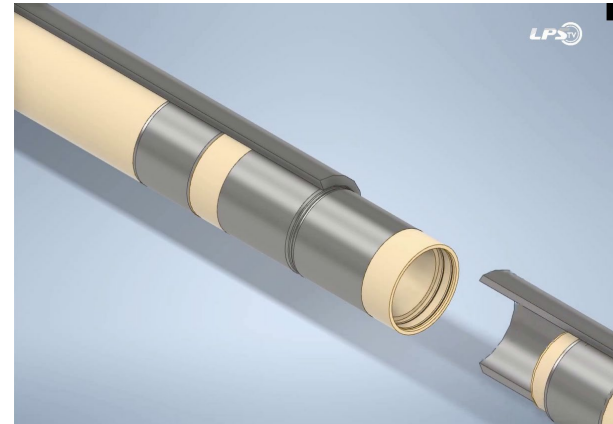
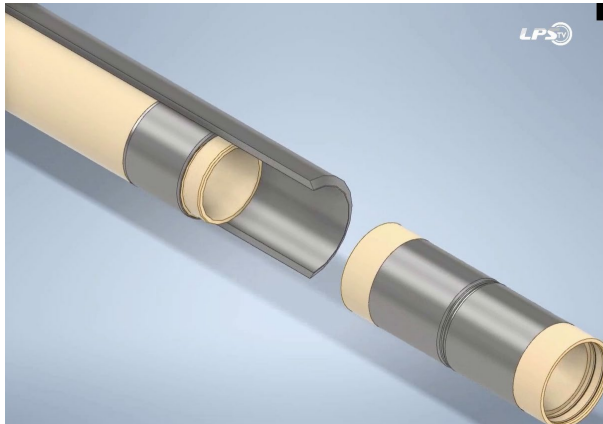


## Liner pulled through pipe and locked to pipe wall

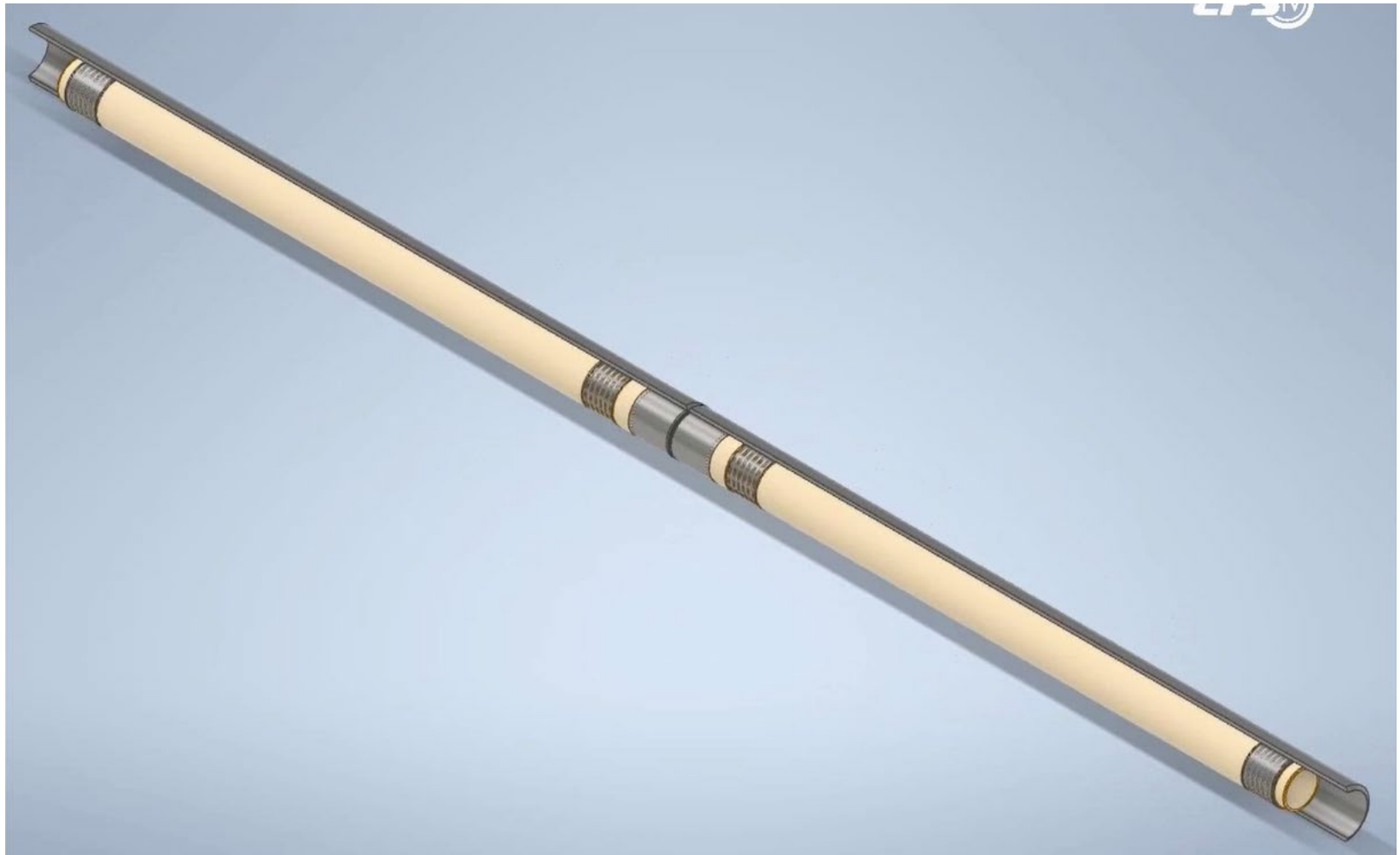


- Liner insertion and locking to pipe wall may be done in shop, spool base, or in field.
- Liner may be installed in any length of pipe section (12m or as long as currently possible).
- Locking rings withstand >30 tons of force, ensuring liner will not move.

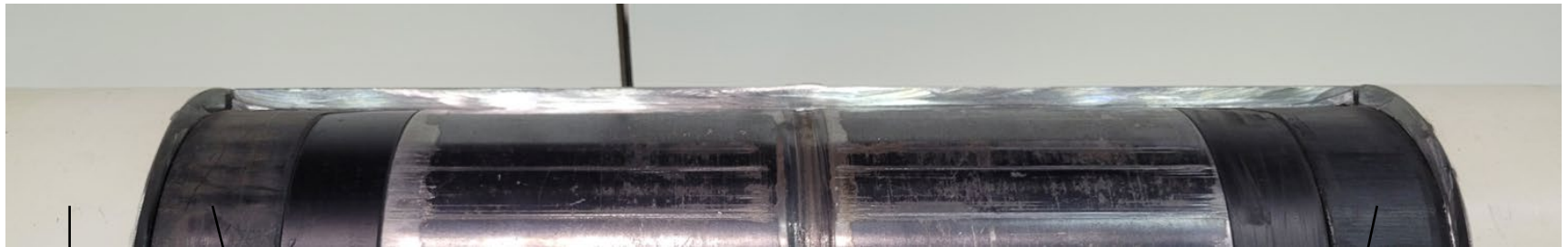
## SealSleeve™ inserted into pipe ends during pipeline construction & girth weld performed



Watch the video: <https://www.linedpipesystems.com/fast-standard-welded-joints-for-pipe-with-thermoplastic-liners/>



# Cross Section Photo



Steel Pipe

Locked Liner  
(Locking Ring Not Shown)

SealSleeve™

Locked Liner  
(Locking Ring Not Shown)



View of plastic liner end. Plastic liner is locked in place using a steel locking ring embedded behind the liner, creating a stable, immovable seat for SealSleeve™ to seal against.

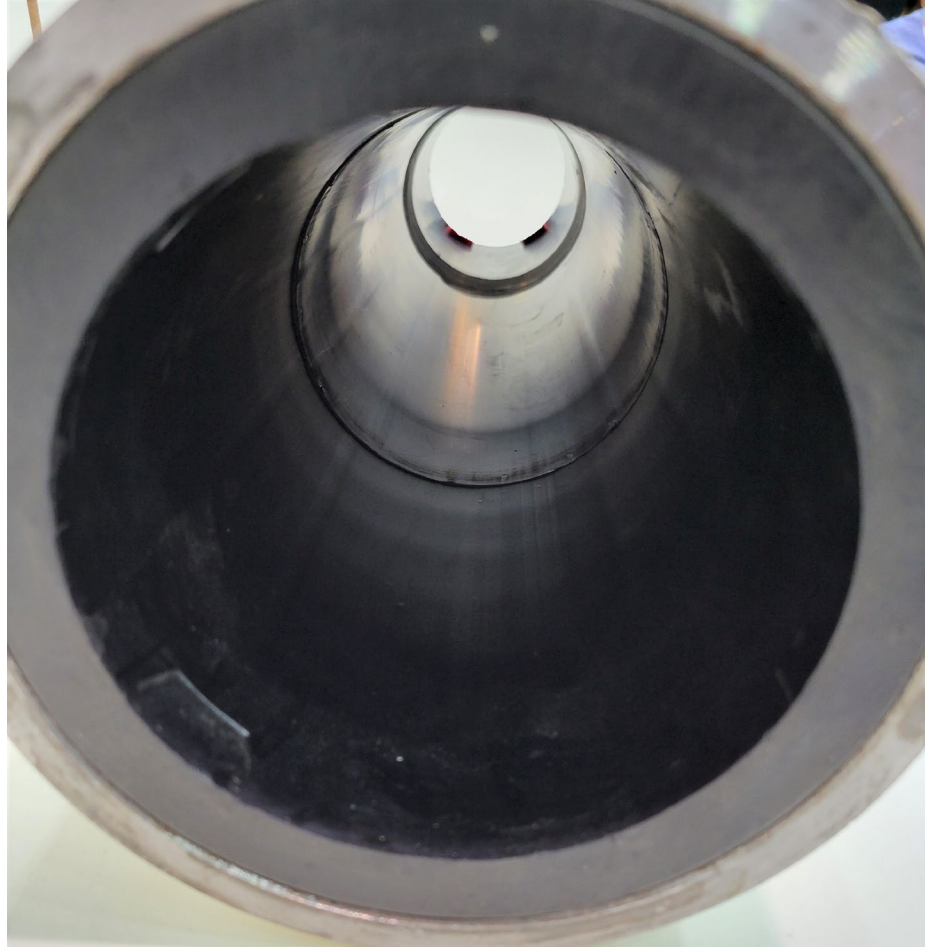




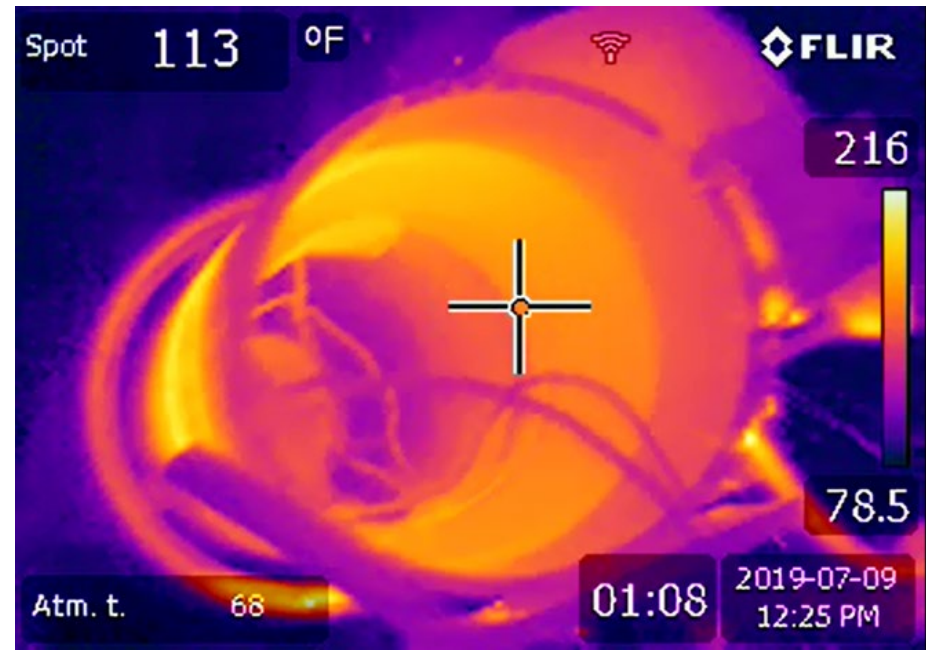
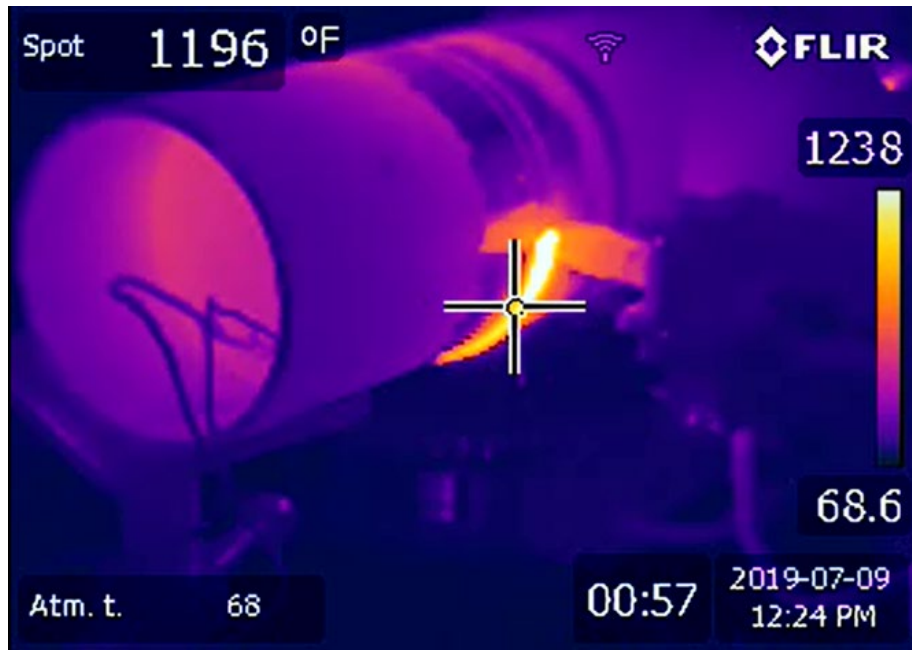


# Continuous Liner Through Weld Zone

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Insulation material in sleeve prevents welding heat from damaging plastic liner.



Infrared image of pipe exterior during welding

Infrared image of joint interior a moment later

# Hydrostatic Pressure Tests

Hydrostatic pressure tests up to 500 bar (7,200 psi), without a weld.

The higher the pressure, the tighter the seal.



Watch the video: <https://www.linedpipesystems.com/sealsleeve-500-bar-7000-psi-hydrotest-without-a-weld/>



## Contact Information

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# SealSleeve™: Welded Joints for Steel Pipe with Thermoplastic Liners

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