



Hydro-Klean offers “no-dig” spot repairs for gravity sewers of various pipe sizes and compositions. “Link-Pipe” is the repair product that Hydro-Klean uses for trenchless pipe repairs. With an impressive list of safe and successfully completed Link-Pipe repair projects, Hydro-Klean holds *Link-Pipe Master Installer Certification*.

Comprised of a stainless steel sleeve, which uses a mechanical lock to seal the sleeve in place, “Link-Pipe” has an absorbent foam gasket surrounding the stainless steel sleeve. Just before installation, we saturate the gasket material with a liquid Urethane grout that catalyzes into high-density solid foam after the repair sleeve is installed. This chemically bonds the repair sleeve to the host pipe in addition to the mechanical compression that holds the repair sleeve permanently in place. Limit straps prevent the sleeve from expanding beyond a preset installation diameter and harming the host pipe.

■ Link-Pipe®

By monitoring with a video inspection camera, we position the sleeve over the damaged area in the pipe. Then, we inflate an air bladder inside the repair sleeve until the self-locking mechanisms engage. The air bladder has a flow-through core that allows the sewer flow to pass through it during the repair process. Finally, we deflate and remove the air bladder. Adjacent manholes are the only access necessary for this process. The Urethane grout fills the annular space around the outside of the damaged pipe as it is forced through the pipe defect. This seals the pipe from the inside and out. Each repair is permanent and only takes a few hours to complete, which really makes Hydro-Klean's trenchless pipe spot repair a very good value.

“Link-Pipe” is a great trenchless pipe spot repair material for industrial or process sewers. It eliminates the need to interrupt production processes and all the hassles associated with breaking up concrete floors and excavating inside of buildings.

“Link-Pipe” sleeve sizes range in diameters from very small to very large, and we can customize the repair sleeve for special sizes and applications. Although manhole diameter limits the length of individual repair sleeves, we can install multiple sleeves for defects that span longer distances without disrupting traffic and business. This eliminates by-pass pumping and other expensive inconveniences associated with excavations. The sleeves are self-cleaning with no maintenance.

Hydro-Klean also offers trenchless water main spot repairs with a different version of “Link-Pipe” that uses materials rated as “food-grade” and completely safe to the water supply. “Link-Pipe” comes with a ten-year manufacturer's limited warranty.



These defects are good “Link-Pipe” applications:

- Restore the original strength of damaged sewer pipes or water mains
- Restore sewer to full design life
- Recreate a new pipe in place of a totally collapsed or missing one
- Repair multiple pipe cracks
- Re-align offset joints to prevent water and soil infiltration
- Abandon unwanted services or cross connections between storm/sanitary sewers
- Seal cracked pipes to prevent infiltration or exfiltration
- Prevent root intrusion

