

# HydraTite®

## Internal Joint Seal System



### APPLICATIONS

- Joint Repair
- Expansion Joint Remediation
- End seal for relined pipes
- Manhole Chimney Seal
- Seal Off Abandon Laterals
- Flexible Pipe Liner

### MARKETS SERVED

- Sewers
- Stormwater
- Potable Water
- Natural Gas
- Cooling Water

### Stop infiltration and sink holes

HydraTite® Internal Joint Seal system is a mechanical trenchless remediation for the repair of pipe joints.

The HydraTite® system consists of a proprietary rubber seal which spans the joint and is held in place by stainless steel retaining bands positioned on either side of the joint.

HydraTite® can accommodate pipe diameters from 18" (457mm) to 218" (5537mm) and, with 350% elongation, the HydraTite® seal is flexible enough to withstand ground settling and movement while withstanding operating pressures of 300psi and 45m head pressure.

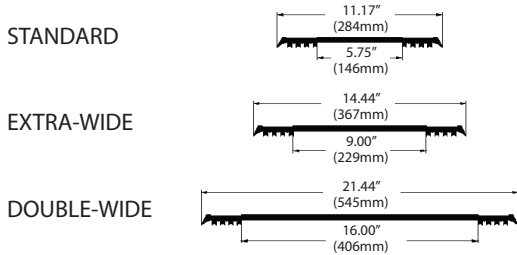
HydraTite® seals are custom manufactured for each project for the perfect fit and provide a fast and permanent method of sealing leaking joints.





## DESIGN FLEXIBILITY:

**WIDTHS** • The HydraTite® seal is available in three widths:



**INTERLOCKING** • The patented sleeving design allows for the interlocking of multiple seals. This design provides a means by which to line long lengths of pipe to remediate axial as well as circumferential defects.

## SPECIFICATIONS:

EPDM		
Durometer Shore	ASTM D2240	65+/-5
Tensile Strength (min)	ASTM D412	1,450psi
% Elongation (min)	ASTM D412	350%
Suffix A13 ASTM D573 Heat aged 70hrs @ 70°C		
Durometer Shore A		+/-15
Tensile Change		+/-30
Elongation Change (max)		-50
Suffix B13 ASTM D395B Compression set 22hrs @ 70°C		
Permanent set (%)	25 max	
Suffix C12 ASTM D1171		
Ozone Resistance (%)	85 min	

STAINLESS STEEL			
Properties	304	316L	AL-6XN
UNS Designation	S30400	S31603	N08367
Tensile Strength (min)	75,000psi	70,000psi	100,000psi
Yield Strength (min)	30,000psi	25,000psi	45,000psi
Elongation (min)	40%	40%	30%
Brinell Hardness (max)	201	217	233
Weld Wire TS	80,000psi	70,000psi	110,000psi

HydraTite® seals are custom made for each project. Seals provide a low cost option for the repair of leaking joints, with projects normally completed in days not weeks. Superior quality and intricate design assures a tight, leak free seal. By eliminating the need for excavation, savings can be in excess of 50%. The HydraTite® Sealing System serves as an internal joint seal and can be transformed into an interlocking sleeve system, custom designed to fit any length of pipe.

## ADVANTAGES:

- Custom mechanical remediation with **NO EXCAVATION REQUIRED**
- Rapid installation and immediate return-to-service
- Seal flexibility accommodates shifting, vibration, ground settling, and thermal expansion/contraction
- Low profile ensures minimal flow loss
- Patented interlocking design for lining long length of pipe
- Maintenance free
- Non-corrosive components
- Turnkey installation
- Design Flexibility provides an ideal remediation for multiple applications
- Test Valve ensures every installation has a pressure tested fit
- NSF/ANSI 61 Approved for potable water
- Installed by fully trained application specialists
- Full contract support services available

INDEPENDENT SEWER  
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