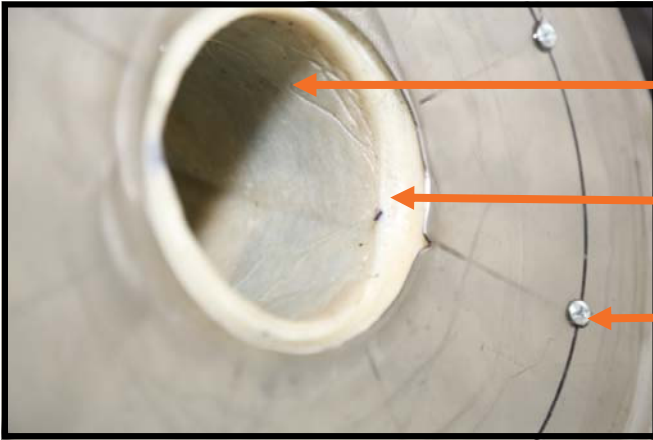


LAPEL LINER FOR LARGE DIAMETER PIPES



LMK Engineered Liner and Resin System

Compression Gasket at Connection

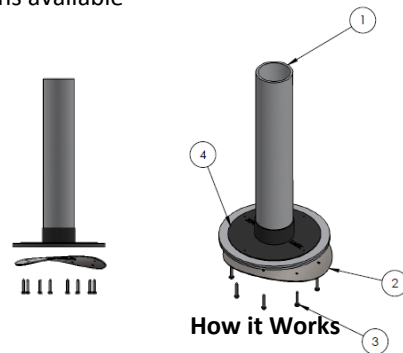
Mechanically locked into place with a Stainless Steel Compression Brim

The LMK Lapel Liner is a trenchless solution for rehabilitating the main-to-lateral connection in lined or unlined large diameter main pipelines via man entry.

The patent pending **LMK Lapel Liner** does not depend upon the resin bonding to either CIPP lining or to the host pipe. The mechanically anchored connection liner can't fall away from the main liner like competitor "top hat or brim style" liners that are installed by using resin as a glue to adhere to wet, greasy sewer liners.

- Main line diameters from 27 inches to 60 inches with lateral diameters from 4 inches to 24 inches
- Compression Gaskets ensure a verifiable water-tight seal
- Mechanically anchored by fasteners allows the liner to be engineered to withstand specific loading
- Standard lateral length of 18 inches with longer custom lengths available

Item #	Part	Description	Quantity
1	Lapel Liner	Coated Felt Brim and Lateral Tube, stitched and UV sealed	1
2	Lapel Flange	16 gauge 316 Stainless Steel	1
3	Tapcon Screw	410 Stainless Steel	Varies per Size
4	Hydrophilic Gasket Sealing	Hydrohat for 4" and 6" Laterals, End Seal and Flange Gasket for other sizes	1



The rehabilitation is accomplished using a non-woven fabric tube of the desired length with a factory attached non-woven fabric brim and a thermo-set resin system with physical and chemical properties appropriate for the application. The mainline brim and lateral tube are vacuum impregnated with the resin. The compression gaskets are installed and then the liner is placed inside the pipes via man entry into the mainline. The brim is mechanically held in place with an appropriately sized and shaped stainless steel compression ring which is anchored in place. The liner is pressed against the lateral pipe using an inflation device. The liner is then cured ambiently. Once cured the inflation plug device is removed.

The End Result: A one-piece structural lateral lining and sealed connection to the main that does not depend upon adherence to stay in place and provides a verifiable non-leaking connection with all mainline pipe types by incorporating a compression connection gasket .