



LMT AND LMK SADDLE TECHNICAL DATA SHEET



LINED MAIN TAP SADDLE SYSTEM



LMK SADDLE SYSTEM

TECHNICAL DATA SHEET

The LMT™ (Lined Main Tap) Saddle Installation System is engineered to connect a lateral sewer service pipe to a liner inside a rehabilitated mainline.

The LMK Saddle Installation System is designed to connect a lateral sewer service pipe directly to a mainline pipe.

- The saddle is sized to surround the liner or pipe beyond the spring line, which creates a clamping effect that draws the saddle firmly on to the liner or the pipe.
- The universal LMK Adhesive bonds the saddle to the liner or host pipe, providing a flexible non-leaking main/lateral connection. A special two part adhesive is available for HDPE liners/pipes.
- The saddle is compatible with a variety of lining materials including polyethylene used in Fold & Form liners and pipe bursting, CIPP liners, and PVC folded liners.
- The saddle is also compatible with a variety of pipes including cast iron, clay, PVC and HDPE.
- A variety of saddle sizes are available - for pipes ranging from 6 inch to 24 inch.
- Many saddle sizes are stocked but not all; contact LMK customer service for availability.

Each Saddle Kit Contains:

1. Type 1 SCH 40 PVC Saddle
2. Appropriate amount of LMK Adhesive
3. 4 to 8 appropriately sized Quick Bands
4. Applicator Stick

Each Saddle:

1. Accepts a 6 inch SDR35 lateral pipe
2. Has a gasketed connection fitting
3. Is available in a TEE or WYE configuration

INSTALLATION NOTES:

An **LMT Saddle** installation requires a pit excavation in order to expose the host pipe and to allow room to remove the host pipe wall where the connection will be made, exposing the liner inside.

An **LMK Saddle** connected directly to a host pipe can be installed through either hydro excavation or through a pit excavation. A WYE connection or a non-90 degree TEE connection would need to be performed through a pit excavation.

The saddle must be clamped to the lining to keep pressure and to prevent slippage during bedding/backfill.

SADDLE DIMENSIONS

Pipe Size	Length of Saddle	Inside Diameter of Saddle		
		Clay	Cast Iron	PVC
6"	13"	8.0"	6.5"	6.5"
8" - 24"	Mandrel Formed Saddles are available to fit HDPE, Concrete, Vitriified Clay, Cast Iron and PVC. The outside dimension (O.D.) of the pipe and pipe construction are needed so that saddle size can be selected that will best fit the pipe. Call LMK , Customer Service, for more information on availability. CIPP saddles are formed to 6 inch—24 inch OD's.			

SADDLE TECHNICAL DATA

Property	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.40	1.40 g/cm ³	ASTM D792
PVC Cell Classification	12454	12454	ASTM D1784
Tensile Modulus	440000psi	3030 MPa	ASTM D638
Tensile Strength (Yield)	7200 psi	49.6 MPa	ASTM D638
Flexural Modulus	450000 psi	3100 MPa	ASTM D790
Flexural Strength	13200 psi	91.0 MPa	ASTM D790
Notched Izod Impact 73°F (23°C), 0.125 in (3.18mm), Injection Molded	1.0 ft-lb/in	53 J/m	ASTM D256A
Notched Izod Impact 73°F (23°C), 0.250 in (6.35mm), Injection Molded	0.70 ft-lb/in	37 J/m	ASTM D256A
Durometer Hardness (Shore D)	81	81	ASTM D2240
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed, 0.250 in (6.35mm)	163°F	72.8°C	ASTM D648
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed, 0.250 in (6.35mm)	162°F	72.2°C	ASTM D648
Flame Rating (0.0630 in (1.60mm) , ALL)	V-0	V-0	UL 94
Agency Ratings	NSF 14, NSF 61, NSF Type 1		
PVC Grade	Type 1, Schedule 40		

Storage: Store indoors. At time of installation saddles should be brought to temperatures between 60°F and 80°F.