



## 4" MODELS LP21, LP22, & LP22-D INSTALLATION INSTRUCTIONS AND CUTOUT TEMPLATE

CAUTION should be taken when aligning centerlines. If centerlines do not match, damage to the saddle may result. Use the outer scribed marks to help center the saddle over the cutout.

WARNING: U-Bolt nuts are to be tightened evenly to approximately 30 foot pound torque. This is sufficient to seal the saddle to the pipeline. Additional tightening may be required to seal the saddle on rough or irregular pipe (45 ft/lbs maximum).

1. CUT OUT the saddle cutout template at right.
2. ALIGN the saddle cutout template on the pipe at the desired cutout location with the two straight sides and mounting template centerline parallel to the pipe centerline.
3. SCRIBE completely around both the inside and outside of the saddle cutout template.
4. REMOVE the section of pipe within the inner scribed line and remove all burrs, slag, and rough edges from the inside and outside of the cutout section.
5. PLACE the meter on the pipe without the O-Ring to be sure it does not rock on the pipe or bind in the saddle cutout opening. If the meter fits properly, you can proceed to install the meter with the O-Ring in position, be sure the cast ring on the bottom of the saddle fits completely in the opening, or damage to the lugs can occur by overtightening. If the meter doesn't fit properly, the saddle cutout must be checked and cut to match the saddle cutout template. (Be sure to remove ALL burrs, slag and rough edges.)
6. STRAIGHTENING VANE is recommended when there is less than ten (10) pipe diameters of straight pipe (no fittings or obstructions) directly upstream from the meter location. See Straightening Vane Installation Instructions if required for your meter.

