

Flexible Saddles

Connecting a 110mm or 160mm OD lateral pipe into a large diameter smooth wall pipe. Suitable for concrete, vitrified clay and PVC pipe



A versatile lateral connection

- Available for both 45° and 90° lateral connections
- When correctly installed a VIPSeal® flexible saddle will withstand 0.5 bar internal pressure.
- Can be applied to pipes of any wall thickness
- Seal secured with straps which pass around the outside of the main pipe

Product Size Range

	VTS100	VYS100	VTS150	VYS150
External diameter of main pipe	160 - 400mm	160 - 400mm	200 - 400mm	200 - 400mm
External Diameter of lateral pipe	110mm PVC	110mm PVC	160mm PVC	160mm PVC

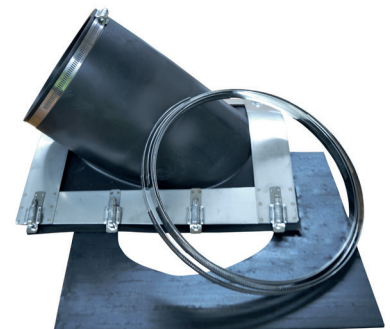
Saddle Component Materials

Saddle Body: Flexible PVC

Gasket: 6mm 60 Shore EPDM

Shroud: 304 Stainless Steel

End Clamp: 304 Stainless Steel



Y Saddle

Installation Procedure

- Excavate sufficient area around the pipe to ensure adequate space for working. Space is needed under the pipe as the securing straps pass under the pipe.
- Determine the required position for the saddle and, using the gasket as a template, mark out the hole and the edges of the saddle. Ensure that with the 45° saddle the lateral pipe comes off in the required direction.
- Cut a hole in the pipe along this mark. Ensure that the hole allows the saddle to make full contact with the surface of the pipe.
- Spalling around the hole on concrete and clay pipes is expected but must be repaired if the spalling extends beyond 20mm from the edge of the hole.
- Locate the gasket and saddle over the hole using the edge markings previously applied and ensure that the stainless steel shroud is located correctly and centrally onto the PVC product. When fitting pipes at the large end of the product range, the saddle will have to be pushed down to seat onto the pipe surface.
- The perforated bands supplied are suitable for fitting around a pipe with a 400mm outside diameter. It will be necessary to cut down the straps to a length to suit the actual outside diameter of the main pipe.
- Fix all the straps into the housings located along the edge of the stainless steel shroud. Drive through until the strap starts to show beneath the hexagon head
- Hold the saddle in the correct position and slide the straps under the pipe and drive them into the housings on the other side of the stainless steel shroud. Again continue until the strap starts to show under the hexagon head.
- Check the position of the gasket, saddle and stainless steel shroud and then evenly tighten all clamps to the required torque. (13Nm)
- Locate the lateral pipe into the saddle and tighten this clamp band to 6Nm.
- Replace and compact the bedding material under and around the pipe.
- Re-tighten the clamps to the required torque before covering. Backfill with suitable material.

Tools Required

- Flathead screwdriver or 8mm nut driver
- Torque driver
- Medium duty snips for cutting excess perforated straps
- Marker pen
- Equipment for hole cutting appropriate to the pipe material