

TA Flexible Saddle

- Available for both 45° and 90° lateral connections (200mm lateral available for 45° connection only)
- When correctly installed a Flexseal TA saddle will withstand 0.5 bar internal pressure.
- Seal secured with straps which pass around the outside of the main pipe
- Savings in labour time and cost
- No heavy lifting equipment required



The Fernco range of TA Saddles are used to connect 110mm, 160mm or 200mm lateral pipes into a larger diameter smooth wall sewer or surface water pipes.

By making a cored hole (size details in the table on the next page), the Fernco TA Saddle can be installed onto PVC, Clay or Concrete pipes from 160mm to 600mm outside diameter. A 110mm, 160mm or 200mm branch connection can then be installed.



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|-------------------|---|
| Product Code | TAXXX |
| Description | Fernco TA Saddle |
| Size Range | Min Pipe Diameter = 160mm |
| Material | Flexible PVC 1.4301 (304) Stainless Steel <i>Couplings with a different material makeup are available on request.</i> |
| Pressure Rating | 0.5bar, 7.25psi |
| Temperature Range | -34°C to 40°C constant, 60°C intermittent |

| | TA11090 | TA11045 | TA16090 | TA16045 | TA20045 |
|---|---|-----------|-----------|-----------|------------|
| External diameter of main pipe | 160-400mm | 160-400mm | 200-400mm | 200-400mm | 300-600mm* |
| Lateral pipe | 110mm PVC | 110mm PVC | 160mm PVC | 160mm PVC | 200mm PVC |
| Saddle component materials (all products) | Saddle body: Flexible PVC Gasket: 6mm 50 Shore Neoprene Shroud: 304 Stainless Steel End clamp: 304 Stainless steel | | | | |

Installation



1. Excavate sufficient area around the pipe to ensure adequate space for working. Space is needed under the pipe as the securing clamp band will pass underneath. 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.
2. 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.
3. Clear off any excess material from the drilling that could cause the saddle not to sit correctly.
4. Remove any swarf or flashing from the edges of the hole using the deburring tool supplied with the installation kit. This should include the internal edges as any swarf or flashing present may inhibit the installation of the saddle. 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.
5. Position the gasket and saddle over the hole using the edge markings previously applied and ensure that the stainless steel saddle is located correctly and centrally onto the PVC product. When fitting pipes at the large end of the product range, the saddle will need to be pushed down to make contact with the pipe surface.
6. The perforated bands supplied are suitable for fitting around a pipe with a 400mm (TA110 and TA160 ranges) or 600mm (TA200 product) outside diameter. It may be necessary to cut down the bands to a length to suit the actual outside diameter of the main pipe (cut parallel to the direction of the perforations in the band). The table supplied is a guide to the required band lengths.
7. Drive all the bands into the housings located along one edge of the stainless steel saddle. Drive through until the strap starts to show beneath the hexagon head. Hold the saddle in the correct position and slide the bands under the pipe and drive them into the housings on the other side of the stainless steel saddle. Again continue until the band starts to show under the hexagon head. Check the position of the gasket, PVC saddle and stainless steel cover and then evenly tighten all clamps to the required torque. (13Nm)
8. Position the lateral pipe into the saddle and tighten this clamp band to 6Nm.
9. Replace and compact the bedding material under and around the pipe. Recheck the clamps meet the required torque. Any part of the saddle that is not protected by a stainless steel shroud should be backfilled with care to protect against deformation or puncturing from backfilling material. For example, carefully casting the exposed PVC in concrete before backfilling should suffice. Then backfill with a suitable material.

Note: It is important that the core hole is perpendicular to the pipe.

General Information

Quality, Standards and Approvals

Fernco has been certified by the British Standards Institution (BSI) as a company of assessed capability, with a quality management system which meets the requirements of BS EN ISO 9001:2015

Fernco UK, part of a global group of companies, are the leaders in wastewater connection innovation; utilising the most advanced methods and techniques for precision-manufactured products, all of which comply with or exceed relevant British and European standards to ensure reliability and sustainability.

Environment

Fernco operate Environmental Management Systems which are certified to ISO 14001: 2015.

Supply

Fernco are proud members of the Builders Merchants Federation (BMF). All Fernco products are supplied through a national and global network of distribution and merchant partners. For stockist details, contact Fernco.

Technical Support

Fernco have a team of product experts on hand to support all customers with technical support and advice.

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