

News Article



TWISTEE SADDLE DN150

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TWISTEE – The Universal Saddle Connector for Concrete and Clay Sewers

Surveys in the UK, Germany and the USA have found that traditional lateral connections made using a clay or concrete saddle with a rigid cement mortar joint are the source of a significant percentage of the problems in sewerage systems. Incorrectly or badly made connections result in a number of different problems. Failure of the rigid cement mortar joint between the saddle and the main sewer can result in increased infiltration putting added load on the sewage treatment plant or leakage causing contamination of groundwater as well as allowing ingrown roots with subsequent blockage of the main sewer. The inward projection of the lateral into the bore of the main sewer due to a missing or incorrect fitting impedes flow and can lead to a blockage of the main sewer. Also, in extreme cases, structural failure of the main sewer can result due to an oversized or badly made hole being made to accommodate the saddle.

All these problems can now be eliminated by using the WRC Approved™ (PT/413/0118) saddle from Mission Rubber.

The conical body of the sleeve screws into the rubber seal ensuring that the entire surface of the seal is in tight contact with the wall of the main sewer thereby forming a durable, flexible watertight seal capable of withstanding pressures up to 0.5 bar. The design of the TWISTEE saddle enables it to withstand the shear load resulting from the different settlement which occurs between the main sewer and the new lateral, whilst at the same time the flexible rubber seals absorb movement of the lateral. The positive compression of the rubber seals ensures that there is no root intrusion into the main sewer and the design prevents the lateral from projecting into the main sewer.

In addition to overcoming the problems associated with traditional saddles, the TWISTEE offers a number of benefits to the contractor:

- Fits any DN150 lateral pipe
- Suitable for all main solid wall sewers from DN300 with a minimum wall thickness of 32mm
- Saves time and money on site as there is no need to excavate around the main sewer and disturb the pipe bedding and the excavation can be backfilled immediately
- Quick and easy to install giving a durable watertight seal. Simply core drill hole in main sewer, insert seal, screw in TWISTEE, fit coupling and fit lateral pipe.
- The unique design of the TWISTEE allows the lateral pipe to be angled up to 7° in any direction, a facility that eases installation in confined trenches

Finally the TWISTEE is WRC Approved™ and meets the necessary requirements of BS EN 16397 – Flexible Couplings.

For details of your nearest stockist please contact:

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