

*Designed to perform,
engineered to last*



Twinwall Pipe Saddle Adaptor (VTWS)

90° lateral connection into a twinwall, corrugated and ribbed pipe applications



VTW saddle adaptor is designed for a 90° lateral connection into a twinwall, corrugated and ribbed pipe for stormwater/unadoptable applications only.

Simply by drilling a hole into the pipe, the VTWS adaptor is inserted into the main pipe wall to allow the lateral or connecting pipe to be fully inserted into the adaptor.



Product Specifications

VIPSeal® Product Reference	VTWS
Size Range	DN110 / DN160
Material	EPDM Rubber
Constant Working Temperature Range	-10° to 60°
Standards	EN681-1



EN681-1

Applications:

- Used for a 90° lateral connection into a twinwall, corrugated and ribbed pipe for stormwater/unadoptable applications only
- Available in DN110 and DN160 options
- Stainless steel tension bands available in grades 1.4301 (304) or 1.4401 (316)
- Suitable for Pipe Dimensions DN225 - DN750

Benefits:

- ✓ Manufactured from high grade materials ensuring high performance and long service life
- ✓ Manufactured to fit twinwall, corrugated and ribbed pipe giving a water tight seal
- ✓ Quick & easy to install
- ✓ Cost effective installation for stormwater applications into twinwall, corrugated or ribbed pipe systems

Product Code	Lateral Pipe Size (mm)	Hole / Drill Size (mm)	Main Pipe Dimensions
VTWS110	DN110	127	DN225-DN600
VTWS110A (316)	DN110	127	DN225-DN600
VTWS160	DN160	170	DN375-DN750
VTWS160A (316)	DN160	170	DN375-DN750



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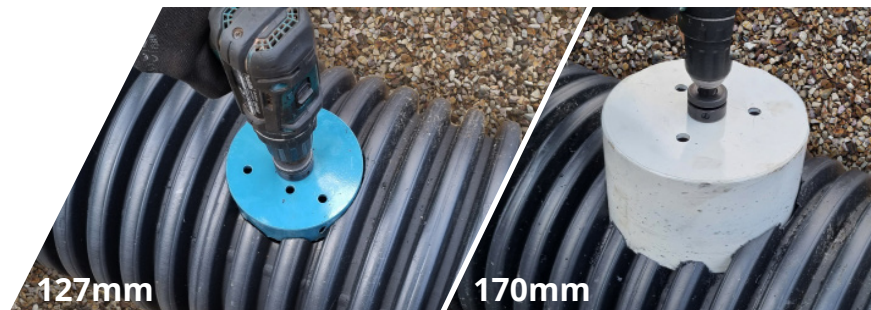


Installation Guide

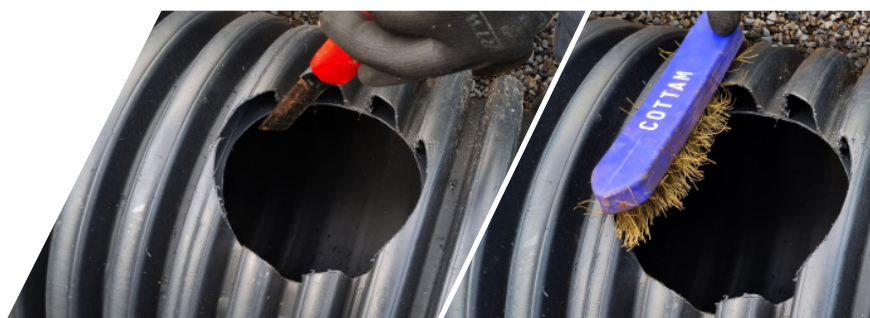
VWTS110 / VTWS160

Twinwall Pipe Saddle Adaptor

1. Drill a hole in the pipe using the recommended hole saws (127mm for DN110 or 170mm for DN160 adaptor).



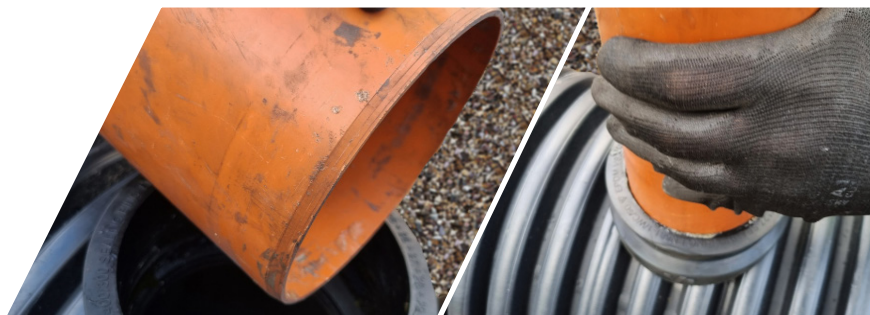
2. Any resulted plastic swarf to be removed using a wire brush and/or knife blade. Important to ensure the hole is drilled in a straight vertical plane, if drilled out of true, the corrugations would prevent the seal from engaging. A continual drill speed will help prevent the hole saw from snagging.



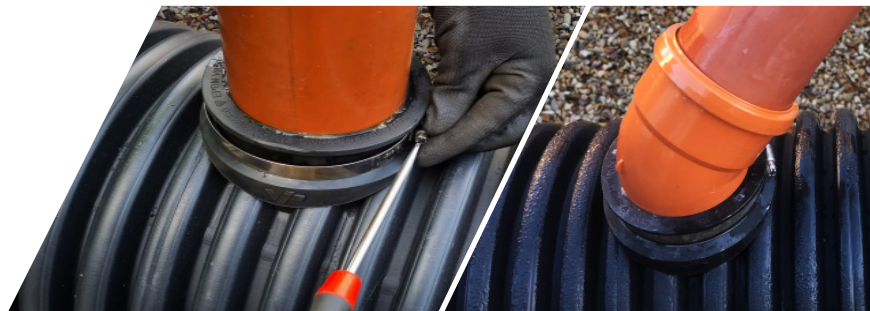
3. Position and insert the VTW adaptor until the adaptor body reaches the inside of the pipe. Lubricate the internal sealing face of the adaptor.



4. Insert a short piece of chamfered pipe max 300mm or a spigot pipe fitting and ensure the pipe/fitting is inserted to the required design depth. It may be necessary to use a block of wood and hammer on the end of the short pipe to reach the designed depth.



5. Tighten tension bands to secure the lateral pipe into position.



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Material Options

For applications which are subjected to higher temperatures, or where chemicals are present, VIPSeal® Flexible Couplings can be ordered in a range of materials:

Heavy Duty Tension and Shear Bands

For higher corrosion or contaminated ground areas and marine environments, grade 1.4401(316) stainless steel should be specified to eliminate the need for protective tape.

Rubber Sleeves

For applications where chemicals or higher continuous temperatures are experienced, VIPSeal® Flexible Couplings can be ordered in the following materials (contact our customer service team for technical guidance).



VIPSealPlus is manufactured from peroxide cured EPDM which is superior to the sulphur cured variant for elevated temperature applications and for applications that have to endure steam. Peroxide cured EPDM is recommended as continuous temperatures rise above 60°C for many years of leak free service is assured up to temperatures of 125°C. Peroxide cured EPDM has the same chemical compatibility as the standard VIPSeal range (sulphur cured EPDM).



VIPSealXtra is manufactured from sulphur cured Nitrile which is an effective material for applications that are exposed to mineral oils, fats and greases when constant temperatures remain below 60°C.



VIPSealXtraPlus is manufactured from peroxide cured Nitrile which is superior to the sulphur cured variant for elevated temperature applications. Peroxide cured Nitrile as continuous temperatures rise above 60°C for many years of leak free service is assured up to temperatures of 100°C.



VIPSealChem is manufactured from FKM which can cope with elevated continuous temperature applications up to 200°C. Its resistance to a wide range of chemicals makes it the perfect choice for industrial and food applications.



VIPSealXtreme is manufactured from FFKM and is suitable for applications found in chemical and process industries. With a resistance to aggressive chemicals and CWT exceeding 200°C, VIPSealXtreme is designed for the toughest conditions.

Information contained in this data sheet is up-to-date and correct as at the date of issue. We reserve the right to change any information without prior notice.



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