

# Lateral Connections

## FA200B Flexible Saddle



The Flexseal FA200B is used to connect DN200 and some DN225 lateral pipe into a large diameter thick walled sewer or surface water pipe.

- No adhesives, sealant or concrete are required.
- Lightweight, easy to handle for quick installation.
- Suitable for main pipes of 450mm DN and above and with a minimum wall thickness of 50mm and above.
- Accepts a deflection on the lateral of 15°.
- Withstands a vertical load of 2 tonnes.
- No need to excavate around the pipe and disrupt the pipe bedding.
- When correctly installed will withstand an internal pressure of 1 bar.
- WRc approved product.






Component	Material
Saddle body	EPDM elastomer conforming to BS EN681-1: 1996
Saddle sleeve	Industrial grade ABS plastic
Clamp band	Austenitic stainless steel grade 1.4301 (304)

## FA200B Saddle

### Connecting pipes of different outside diameters

The Flexseal Bushes, which are manufactured to the requirements of BS EN295-4: 1995, is recommended.



Pipe OD	Bush	Pipe Material	Illustration
200-208mm	BC21/205	200mm PVC	
210-220mm	BC08/232 Manufacture from 70mm strip	DN200 Cast Iron (SMU, SML, Ensign)	
222-250mm	No Bush	Dn200 Vitrified Clay, Dn200 Ductile Iron, Dn225 Quantum, Dn225 Ultra-rib, Dn225 Polysewer Twinwall, Dn225 Polyethylene, Dn225 Vulcathene	

## Fitting Instructions

### 6 easy steps



1. Diamond core a 232mm hole at the selected position into the concrete pipe. Ensure the pipe wall and surrounding area is clean and free from slurry/debris and measure the wall thickness.
2. Remove the internal locking sleeve from the saddle body. Adjust the threaded collar on the outer sleeve so that it measures 10mm less than the thickness of the pipe.
3. Position the saddle in the hole ensuring it sits 10mm away from the internal wall of the pipe. This is achieved by placing your hand inside and feeling the inside of the pipe wall.
4. Break off the tabs from the locking sleeve and lubricate using Flexseal Pipe Lubricant. Place the locking sleeve into the saddle body and line up the arrows. Push the sleeve into the bore of the saddle.
5. Drive the locking sleeve evenly around the circumference until fully locked. It is recommended that a wooden block is used when using a hammer to lock the saddle into position.
6. Insert the pipe into the fitted saddle and tighten the clamp band to the recommended torque.

*Note: A diamond cored hole of 232mm (+1 / -0mm) should be cored using the correct equipment.*