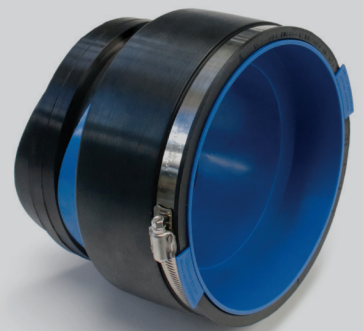


Global leaders in flexible couplings,
drainage & plumbing systems



Lateral Connections

Unisaddle FA150U



The Flexseal Unisaddle is used to connect a DN150 lateral pipe into a large diameter thick walled sewer or surface water pipe.

Removable shims make the product universal by giving the user the option of connecting to different pipe materials with only one lateral connection product.




For main pipes DN250 and above, with a minimum wall thickness of 27.5mm.

- Fits more main pipe sizes than other similar products
- Fits any DN150 lateral pipe in conjunction with a Flexseal Multibush
- Lower cost in comparison to junctions
- Accepts a deflection on the lateral pipe of 7°
- Withstands an internal pressure of 1 bar
- Incorporates shear support to withstand a shear load of 25 Newtons per mm pipe diameter
- No adhesives, sealant or concrete required
- Lightweight, easy to handle for quick installation
- No need to excavate around the pipe and disrupt the pipe bedding
- WRC Approved™ when connected to main pipes from DN300 and above



Flexseal's Unisaddle FA150B is also available for similar applications.





Main Pipe Shim Configuration

Main Pipe	Shims Required	Sealing Range	Lateral Pipe	Illustration
Clay DN250, 300 & 375	2	27.5mm - 40mm	Any DN150 pipe (may require multibush dependent on material)	
Clay DN400, 450 & 500	1	40.5mm - 53mm	Any DN150 pipe (may require multibush dependent on material)	
Clay DN600 Concrete DN300 - 600	None	53.5mm +	Any DN150 pipe (may require multibush dependent on material)	No bush required 

Unisaddle component parts



Lateral Pipe Multibush Configuration

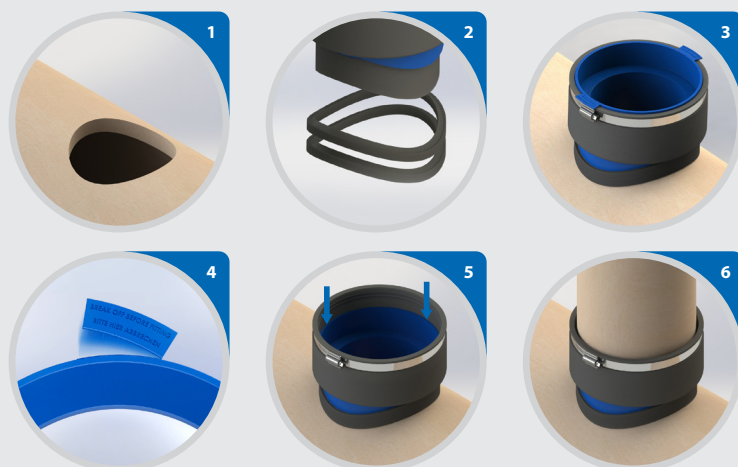
Lateral Pipe	Multibush Configuration	Lateral Pipe Material	Illustration
160-166mm	12mm Folded	DN150 Quantum, Cast Iron (SMU, SML, Ensign), 160mm PVC	
170-177mm	8mm Large End	DN150 Ductile Iron, Ultra-Rib. Cast Iron (Drain)	
178mm	4mm Small End	Supersleve, Twinwall Plastic	
180-190mm	None	Salt Glazed Clay	No bush required 

Multibush
4mm (left) - 8mm (right)



Product Code: **MB150**

Fitting Instructions



Note: A diamond cored hole of 172mm (+1 / -0mm) should be cored using the correct equipment. Should rebar be exposed, it is recommended that the rebar is sealed prior to installation of the saddle.

6 easy steps

1. Diamond core a 172mm hole at the selected position into the main pipe. Ensure the pipe wall and surrounding area is clean and free from slurry/debris.
2. Use the correct number of shims based on the wall thickness of the main pipe. Refer to table above for shim configuration.
3. Position the saddle in the hole ensuring the contours of the saddle are aligned with the main pipe and the arrows on the rubber body and plastic sleeve line up.
4. Break off the tabs from the locking sleeve and 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. Add water to ease the locking sleeve into the saddle if required.
6. Insert the lateral pipe into the fitted saddle (along with a Flexseal Multibush if required) and tighten the clamp band to the recommended torque.

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