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Updated: 22.09.2026

Installation Instruction

Tapping Bands

1. Clean and measure - Clean the proposed tapping location and measure actual OD. Confirm the correct pipe family and band before assembly. Ensure the band O-ring/lip seal is fully seated, clean and correctly orientated. It must not be twisted, folded, pinched or displaced.

2. Position the lower half - Place the lower body beneath the pipe with bolts/retainers correctly located. Keep the body square to the pipe. (See Figure 1)

3. Fit the upper half - Place the upper body over the pipe and engage both nuts by hand only. Align the threaded outlet by rotating/positioning the assembly so it is at the required tapping location and orientation. (See Figure 1)

4. Equalise body gaps - Finger-tighten the nuts so the upper and lower body halves sit evenly around the pipe. Maintain approximately equal gaps at both sides. (See Figure 2)

5. Progressively tighten - Alternately tighten each nut in small increments. Do not fully tighten one side while the opposite side remains loose. Tighten evenly to no more than 20 Nm using a calibrated torque wrench. Do not use an impact wrench for final torque verification. (See Figure 2)

6. Inspect closure - Confirm the band is square, the gasket has not extruded, and the pipe has not visibly distorted. A gap may remain between the top and bottom halves of the tapping band after tightening; this is normal and the two halves do not need to fully close together. Existing or older pipes may be slightly oval or out-of-round, resulting in uneven or visible closure gaps. Provided the fasteners are correctly tightened, the band is secure and cannot rotate or move on the pipe, a remaining closure gap is acceptable. (See Figure 3)

7. Stability check - The correctly selected and tightened band must not be loose, freely rotate or slide on the pipe. If it does, stop and investigate sizing/OD/gasket fit.

8. Tap the main - Use the correct drilling/tapping equipment and applicable water-authority procedure. Keep the cutter aligned with the outlet and do not sideload the band.

9. Pressure/leak check - After tapping and connection, inspect the band and outlet for leakage at the applicable operating/test pressure.

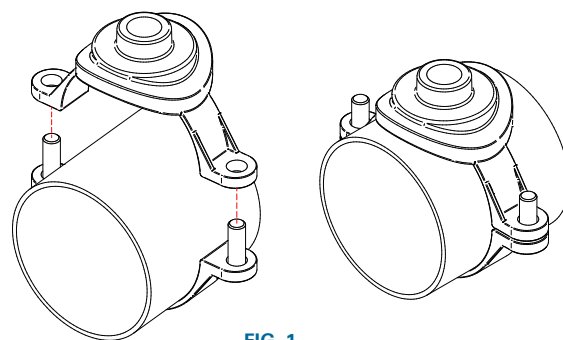


FIG. 1

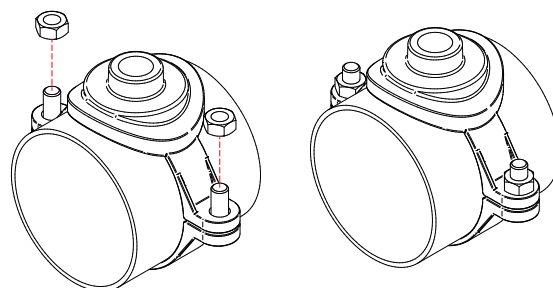


FIG. 2

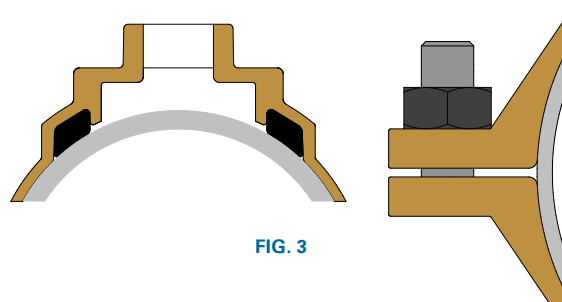


FIG. 3