

UNIPipe INSTALL FITTING FLANGE SUITS COUPLER, ELBOW OR TEE 110 or 160mm



Typical application of Fitting Flange converting an Elbow and a Tee to Flanged connection.



Remove the bolts, clamp ring halves and the Grip Ring leaving the end of the fitting ready for the Fitting Flange.

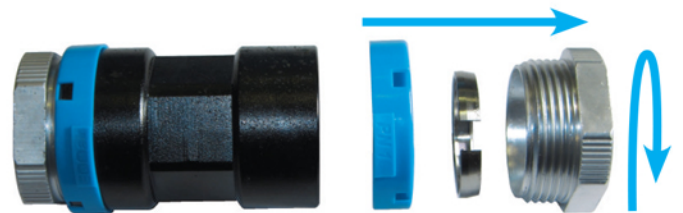


Fit the 2 Fitting Flange halves behind the face of the body, ready to install where needed.

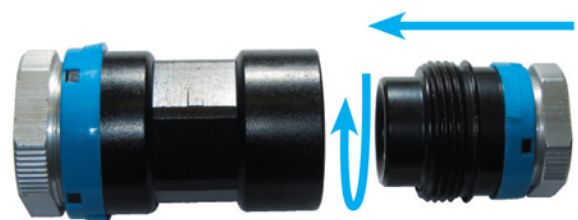


UNIPipe INSTALL REDUCER IN FITTINGS SUITS COUPLER, ELBOW OR TEE 25-90mm

Unscrew the nut and remove the grip ring and identification collar.



Insert and tighten the reducer in the desired position.



UNIPIPE INSTALL REDUCER IN FITTING SUITS COUPLER, ELBOW OR TEE 110 or 160mm



Remove the bolts, clamp ring halves and the Grip Ring leaving the end of the fitting ready for the Reducer. Discard the grip ring.

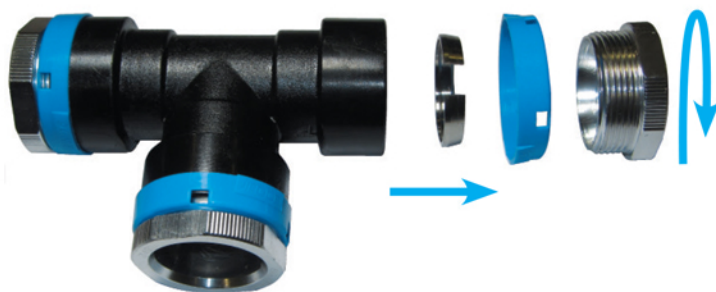


Insert the Reducer in the desired position, reassemble the clamp halves and tighten the bolts and nuts at a torque value of 15N/m.

UNIPIPE INSTALL PLUG IN FITTING SUITS COUPLER, ELBOW OR TEE 25-90mm

Unscrew the nut and remove the grip ring and identification collar.

Discard the grip ring.



Insert the Plug into the fitting.

Reassemble the identification ring and firmly tighten the nut.



UNIPIPE BRANCH 25mm TO 63mm



- | | |
|----------------|--------------------------|
| 1. Clamp half | 5. Plug |
| 2. Fixed seal | 6. Grip ring |
| 3. Branch body | 7. Identification collar |
| 4. Clamp bolt | 8. Nut |



1. Verify the section of pipe where the branch is to be installed is free from scratches or dents.

Completely unscrew the clamp bolt.

Separate the clamp half by sliding it sideways from the body.



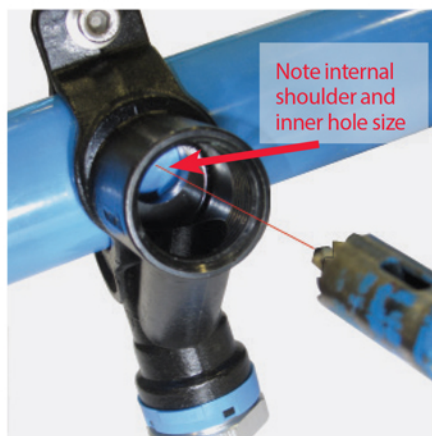
2. Position the main branch body in its correct position, making sure the seal is correctly located.

Slide the clamp half back into the fitting, lining up the screw holes.

Adjust branch to its final position and tighten the bolt.



3. Unscrew the plug.



4. Drill hole in pipe using a hole saw matched for a clearance fit on the diameter of the inner hole.

Carefully deburr edges of hole and remove all swarf.



5. Replace plug and tighten.

Insert Branch line following standard procedures on p38.

UNIPIPE SADDLE BRANCH 25mm TO 160mm



1. Completely remove the bolt.
Slide the clamp half to one side until it is free.

Check the seal is in place in the Saddle branch body.



2. Place the Saddle branch body in its approximate position.
Slide the clamp half into the body.
Check final position then insert bolt and tighten.



3. Drill hole in pipe using a hole saw matched for a clearance fit on the diameter of the inner hole.
Carefully deburr edges of hole and remove all swarf.



Typical application for Saddle Branch



1. Saddle branch body
2. Saddle clamp half
3. Gasket seal
4. Washer
5. Socket head Bolt

UNIPIPE ASSEMBLY INSTRUCTIONS 20mm TO 90mm



1. CUTTING: Cut the pipe using burr-free approved cutters. Do not use oxyacetylene or abrasive cut off wheels. Pipes must be cut at right angles to their axis, using a pipe cutter or fine-tooth saw, allowing for the depth of insertion into the fitting.



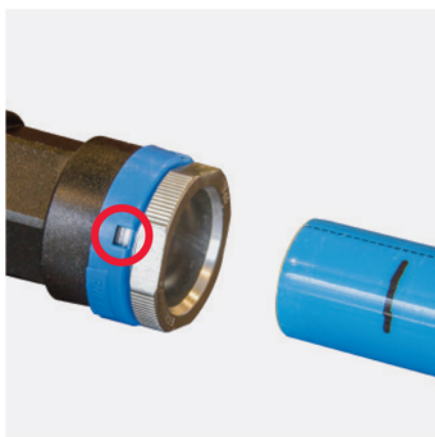
2. DEBURRING: All pipe cuts must be carefully deburred, both inside and outside, using a manual or electric deburring tool. Any cutting residue (swarf) must be removed to avoid damage to the O-ring when the pipe is inserted into the fitting, avoiding possible leaks.



3. WITNESS MARK INSERTION DEPTH: To ensure a correctly inserted joint, the pipe must be marked with a fine-point felt-tip pen to show the insertion depth in the fitting, or by measurement using the table below. Use of the marking gauge is recommended.

Insertion depth

Pipe diameter	20	25	32	40	50	63
Distance from end	35	38	48	59	68	84



4. LOOSEN NUT: Loosen nut until the black end of the fitting body is no longer visible through the inspection ports. Check all components are correctly positioned inside the fitting.



5. LUBRICATION: For lubrication if required, use water, soapy water, silicone spray or a lubricant that is compatible with the intended use. This will assist inserting the pipe through the seal ring. Do not use silicone spray if intended use is for powder coating, spray painting or breathing air.



6. INSERT and TIGHTEN: Insert the pipe up to the witness mark, ensuring the axis of the pipe and the fitting are straight. Check witness mark. Tighten the nut by hand until the black end of the fitting body is visible in the inspection ports. At this point water tightness and axial clamping are ensured.

UNIPIPE ASSEMBLY INSTRUCTIONS 110mm TO 160mm



1. CUTTING: Cut the pipe using burr-free approved cutters. Do not use oxy-acetylene or abrasive cut off wheels. Pipes must be cut at right angles to their axis, using a pipe cutter or fine-tooth saw, allowing for the depth of insertion into the fitting.



2. DEBURRING: All pipe cuts must be carefully deburred, both inside and outside, using a manual or electric deburring tool. Any cutting residue (swarf) must be removed to preclude damage to the O-ring when the pipe is inserted into the fitting, avoiding possible leaks.



3. WITNESS MARK INSERTION DEPTH: To ensure a correctly inserted joint, the pipe must be marked with a fine-point felt-tip pen to show the insertion depth in the fitting, or by measurement using the table below. We recommend to use the Depth gauge.

Insertion depth

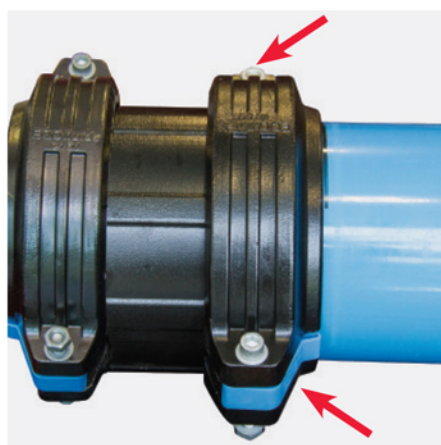
Pipe diameter	110	160
Distance from end	73	134



4. LOOSEN NUT: Loosen the nuts of the relevant clamp halves.



5. LUBRICATION: Lubrication if required, use water, soapy water, silicone spray or a lubricant that is compatible with the intended use, will assist inserting the pipe through the seal ring.
Do not use silicone spray if intended use is for powder coating, spray painting or breathing air.



6. INSERT and TIGHTEN: Insert the pipe into the fitting up to the witness mark, ensuring the axis of the pipe and the fitting are straight. Check witness mark
Tighten the bolts with a spanner to a torque value of 15 N/m.