

AquaGrip

OD63 to OD180



Couplings & Flange Adaptors



GB - INSTALLATION INSTRUCTIONS



PIONEERS IN PIPE SOLUTIONS

CRANE

BUILDING SERVICES & UTILITIES



AquaGrip Coupling

The AquaGrip coupling is supplied pre-assembled and should not be dismantled prior to installation.

1) Pipe End Preparation

Cut pipe end square, remove any reversion. If required chamfer outside edge of pipe to aid assembly. Ensure pipe is free from any longitudinal score marks.

NOTE: Pipes should be expanded to original size after RollDown or Swage-Line Operations. If pipe has been coiled, it may be necessary to re-round prior to assembly.

NOTE: If the AquaGrip is being installed on:-

- PE pipes that use a sacrificial or peelable protection layer on the external surface of the pipe (e.g. ProFuse, SecuraLine pipe) then ensure this outer layer is removed before installing the AquaGrip fitting.
- PE pipes with a co extruded colour layer that is homogeneous with the pipe and is the correct outside diameter for the AquaGrip, these should not have the colour layer removed prior to installation.

2) Liner Installation

Check that the SDR rating of the liner is compatible with that of the PE pipe – in the event they are not, Viking Johnson supply support liners as spares. Insert the liners fully into pipe ends until shoulders butt against pipe ends. Mark each of the two pipes 100mm back from the ends to assist step 4.

3) Pipe Alignment

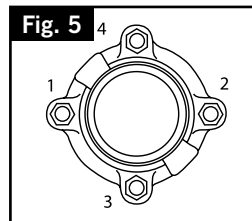
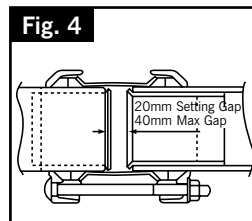
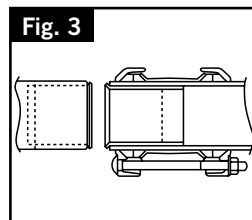
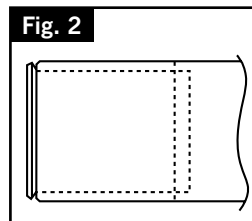
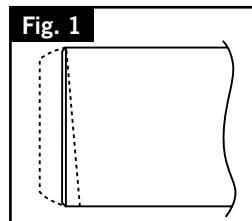
Do not dismantle the coupling. Back all nuts off one or two turns and slide the coupling completely over one pipe end. Bring the two pipe ends into alignment.

4) Centralise

Slide coupling over both pipe ends and centralise using the marks made in step (2). Using marks from (2) ensure there is sufficient pipe entry on both sides, adjusting as necessary to achieve the setting gap as noted in Fig.4.

5) Final Assembly

Working round the fitting evenly tighten diametrically opposed nuts (i.e. 1&2, 3&4), turning each one or two turns at a time. Continue working round until correct bolt torque as noted below is achieved on ALL nuts, verifying this with a calibrated torque wrench, which must “break” without turning the nut.



BOLTS DETAILS	
Bolt Size	M12
Spanner Size	19mm A/F
Bolt Torque	55 to 65Nm.

AquaGrip Flange Adaptor

The AquaGrip flange adaptor is supplied pre-assembled and should not be dismantled prior to installation.

1) Pipe End Preparation

Cut pipe end square, remove any reversion. If required chamfer outside edge of pipe to aid assembly. Ensure pipe is free from any longitudinal score marks.

NOTE: Pipes should be expanded to original size after RollDown or Swage-Line Operations. If pipe has been coiled, it may be necessary to re-round prior to assembly.

NOTE: If the AquaGrip is being installed on:-

- PE pipes that use a sacrificial or peelable protection layer on the external surface of the pipe (e.g. Profuse, SecuraLine pipe) then ensure this outer layer is removed before installing the AquaGrip fitting.
- PE pipes with a co extruded colour layer that is homogeneous with the pipe and is the correct outside diameter for the AquaGrip, these should not have the colour layer removed prior to installation.

2) Installation

Check that the SDR rating of the liner is compatible with that of the PE pipe – in the event it is not Viking Johnson supply support liners as spares. Insert the liner fully into pipe end until shoulder butts against pipe end. Mark the pipe 100mm back from the end to assist step 3.

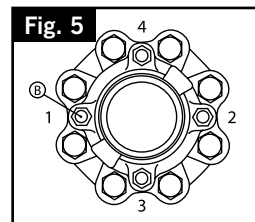
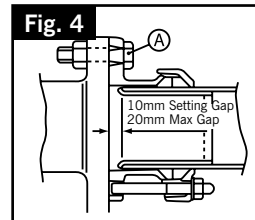
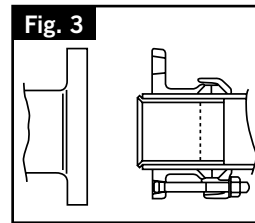
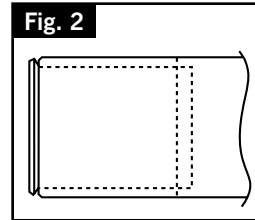
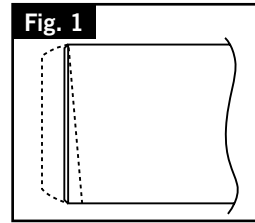
Do not dismantle the adaptor. Back all nuts off one or two turns and slide the flange adaptor completely over pipe end.

3) Centralise Fitting

Align flanges, fit flange gasket and tighten flange connecting bolts (A) fully in accordance with standard flange techniques. Using mark from (2) ensure there is sufficient pipe entry adjusting as necessary to achieve the setting gap as noted in Fig.4.

4) Final Assembly

Working round the fitting evenly tighten diametrically opposed nuts (i.e. 1&2, 3&4), turning each one or two turns at a time. Continue working round until correct bolt torque as noted below is achieved on ALL nuts, verifying this with a calibrated torque wrench, which must “break” without turning the nut.

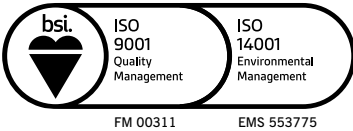


BOLTS DETAILS

Bolt Size	M12
Spanner Size	19mm A/F
Bolt Torque	55 to 65Nm.



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