

MegaFit

Universal pipe couplings



World leaders in pipe joint, repair & flow control products

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The Viking Johnson MegaFit range of universal pipe couplings represents the very latest in mechanical pipe coupling technology. MegaFit products are designed to connect plain ended pipes of the same nominal bore, with same or different outside diameters, thereby reducing stocks, as one coupling is able to connect steel, ductile iron, PVCu, cast iron and asbestos cement pipes.

Application

MegaFit products are designed for use in repair situations where the exact outside diameter of the pipes are unknown.

Universal

The concept of MegaFit is to optimise stockholding and simplify installation. To achieve this, MegaFit offers an OD tolerance range of up to 34mm, which has the effect of reducing stockholding down to one size per nominal diameter. This benefit is also appreciated by the installer, as only one product needs to be selected to effect a repair.

Full Range

The MegaFit product range includes couplings and flange adaptors, which are available from DN50 (2") to DN300 (12").

Working Pressure

The MegaFit range is suitable for water and gas applications. Following extensive tests, the products can be guaranteed for a working pressure of 16 bar for water applications (test pressure 24 bar) and 4 bar for gas (test pressure 6 bar).

Guaranteed Sealing

The unique patented 'slide easy' gasket provides maximum sealing pressure, even on scored, pitted and corroded pipe surfaces through its distinctive circumferential ribs. The MegaFit range seal is based on the well proven and patented closed chamber principle. The end ring is designed in such a way that the gasket is completely enclosed. This reduces the contact area of the gasket with the backfill material, virtually eliminating the possibility of harmful substances coming into contact with the gasket.

Angular Deflection

MegaFit couplings accommodate angular deflection between pipes of up to 8°, allowing for ease of installation and for pipeline movement such as ground settlement. This angular deflection can be utilised to lay pipelines to long radius curves, without the need for special fittings. (Flange adaptors have half the angular deflection of couplings).

User Friendly

The MegaFit range is supplied with captive bolts, meaning that the nuts need only to be tightened at one end, saving time and simplifying installation. MegaFit also includes as standard an extended centre sleeve which aids installation.



Product Quality

MegaFit products are designed and manufactured under quality management systems to BS EN ISO 9001 and have been tested by Viking Johnson's comprehensive in-house research facilities to the most exacting performance requirements of the UK Water Regulations Advisory Scheme (WRAS). MegaFit products also conform to the American Water Works Association specification AWWA/ANSI C.219 for bolted couplings.

Corrosion and Site Protection

MegaFit components, centre sleeve, end ring and flange adaptor body, are factory coated with the thermoplastic polymer Rilsan Nylon 11. Rilsan Nylon 11 has met the stringent performance standards of WIS 4-52-01 (Part 1) which requires the highest adhesion, flexibility, penetration and impact resistance characteristics. As a result, MegaFit products are well equipped to withstand transport, storage, site and corrosion damage, eliminating the need for further protection such as on-site wrapping.

As standard, all bolts and nuts are Sheraplex coated, which is a compound of zinc sheradising and low friction polymeric coating that meets WIS 4-52-03. Sheraplex offers a consistent "torque/load" ratio thus improving the factor of safety and sensitivity to installer error. Sheraplex reduces galling of coating in threads, thus permitting repeated dismantling and installation of products.

As a variant, MegaFit is also available with Stainless Steel bolts, with factory applied coatings to prevent galling during installation.

Installation

MegaFit products are delivered pre-assembled and ready for installation, which should be done in accordance with the MegaFit installation instructions.

Recommended bolt torque:

Up to and including DN80: 55-65Nm, 40-50lbf.ft.

DN100-DN300: 95-120Nm, 70-90lbf.ft.

N.B. Not suitable for use with PE pipe.

See AquaGrip, AquaFast and UltraGrip literature for products for use in PE pipe.



MegaFit Flange Adaptor



MegaFit Coupling



MegaFit Coupling



Approvals

- WRAS - Approved for use on Potable Water
- Designed and manufactured under quality management systems in accordance with BS EN ISO 9001
- Environmental Management System accredited to ISO 14001



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