



VIKING JOHNSON

World leaders in pipe joints and repair products

Dedicated Couplings and Flange Adaptors - QuickFit



The QuickFit coupling range is designed to connect plain ended pipes with the same outside diameters. The full range includes couplings and flange adaptors to suit pipes with nominal sizes between DN40 (1.5") and DN300 (12").

Applications

The QuickFit range is designed for use in new-lay, and other specified situations where the pipe material and nominal sizes are known in advance.

The range is not suitable for use with PE pipe. For further details, please contact our Marketing Department.

Ease of Installation

All QuickFit products are pre-assembled allowing quick and efficient installation, even in the most difficult of conditions without the need for site dismantling.

Corrosion and Site Protection

All QuickFit components, excluding nuts and bolts, are coated as standard with the thermoplastic polymer Rilsan Nylon 11, in Viking Johnson's own fluidised bed dipping facilities. 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, all products are well equipped to withstand transport, storage, site and corrosion damage eliminating the need for further protection such as on-site wrapping. QuickFit products are also available in Galvanised and Shopcoat finishes. QuickFit nuts & bolts are coated with Sheraplex. Sheraplex has met the stringent performance standards of WIS 4-52-03.

Quality

QuickFit range products are designed and manufactured under quality management systems certified 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 WRC's Water Bye-laws scheme. QuickFit products also conform to the American Water Works

Association standard C.219 for bolted couplings.

As with all Viking Johnson products, QuickFit couplings are designed to outlast the pipes on which they are fitted.



Galvanised finish



Rilsan Coating



Angular Deflection

QuickFit products accommodate angular deflection between pipes allowing for ease of installation and for pipeline movement such as ground settlement. Long radius curves can also be accommodated, dispensing with the need for special fittings.

Pressure Capabilities

The pressure ratings of standard products are detailed in the adjacent tables. Higher working pressures can be supplied to order.

Gasket Range

QuickFit products are supplied with EPDM gaskets as standard for use with potable water. Other gasket materials such as nitrile and silicon are available to suit a wide range of applications including natural gas, petroleum and ash lines. Further details are available from our Marketing Department.

Spares and Accessories

A full range of spares for all QuickFit products is available on request.

Marine Couplings

A full range of QuickFit Marine Couplings is available within the QuickFit range. These are supplied complete with galvanised finish, removable locating plugs and grade G Nitrile gaskets as standard. Standard QuickFit Couplings can also be provided with locating plugs on request. The Marine Coupling range extends beyond the QuickFit range into sizes DN350 (14") and above.



Shopcoat finish

QUICKFIT Couplings

Pipe Nom		Pipe Materials	Pipe OD Range	Test* Pressure
1 1/2"	DN40	Steel / PVC-U	47.9 - 51.3	70 bar
2"	DN50	Steel / PVC-U	59.5 - 63.3	70 bar
2 1/2"	DN65	Steel / PVC-U	75.3 - 79.1	70 bar
3"	DN80	Steel / PVC-U	88.1 - 91.9	70 bar
3"	DN80	Ductile Iron	95.8 - 100.2	70 bar
4"	DN100	Steel / PVC-U / Ductile Iron	113.5 - 120.2	70 bar
5"	DN125	Steel / PVC-U	138.9 - 142.7	66 bar
6"	DN150	Steel / PVC-U / Ductile Iron	167.5 - 172.3	55.4 bar
7"	DN175	Steel / PVC-U	192.9 - 196.7	48.3 bar
8"	DN200	Steel / PVC-U / Ductile Iron	218.3 - 224.4	53.8 bar
10"	DN250	Steel / PVC-U / Ductile Iron	272.2 - 276.5	52.3 bar
12"	DN300	Steel / PVC-U / Ductile Iron	323.1 - 328.6	44.3 bar

QUICKFIT Flange Adaptors*

BS 4504 or Equivalent Nom Size mm	PN Table
-	-
50	10,16
65	10,16
80	10,16
80	10,16
100	10,16
125	10,16
150	10,16
200	10,16
200	10,16
250	10,16
300	10,16

Couplings allow for a total angular deflection of ± 6 degrees. Flange adaptors allow for ± 3 degrees.

* Test pressures (1.5 times working pressure) for couplings only. Flange adaptor test pressures equal 1.5 times flange rating.

**VIKING JOHNSON CAN MANUFACTURE COUPLING PRODUCTS TO SUIT ANY PIPE AT ANY DIAMETER.
CONTACT VIKING JOHNSON FOR FURTHER DETAILS.**

Material Specification

All QuickFit products are designed and manufactured under quality management systems certified to BS EN ISO 9001, have been tested to the WRC's Water By-laws Scheme and conform to the American Water Works Association's standard AWWA/ANSI C.219 for bolted couplings:

Centre Sleeve/End Rings/Adaptor Body*

SG Ductile Iron to BS EN 1563:1997 Grade EN GJS-450-10

Bolts

Steel to BS EN ISO 898-1:1999 Property Class 4.8

Nuts

to BS 4190:1967 Grade 4

Washers

BS 4320 Form B Stainless Steel A2.

Gasket

EPDM compound Grade 'E' to BS EN 681-1:1996 Type WA, WC
or

Nitrile compound Grade 'G' to BS EN 682:2002 Type G
(standard on Marine Couplings).

'E' temperature range: -40°C to +90°C . Suitable for water, sewage, many strong and oxidising chemicals, food applications.

'G' temperature range: -20°C to +100°C.

Suitable for: natural gas, petroleum products, low aromatic fuels, sewage and compressed air.

Coating

Flange Adaptor Body, Centre Sleeve, End Rings are coated in Rilsan Nylon 11 to WIS 4-52-01 (Part 1).

Bolts and Nuts are Sheraplex coated to WIS 4-52-03

** Materials of construction at the discretion of Viking Johnson.*

Viking Johnson reserves the right to modify the details in this publication as products and specifications are updated and improved.

Note

QuickFit products do not resist end load - adequate external restraint must be provided.

For further information on all Viking Johnson products and services contact our Marketing Department.



ISO 9001



ISO 14001



UK WATER SUPPLY REGULATIONS



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