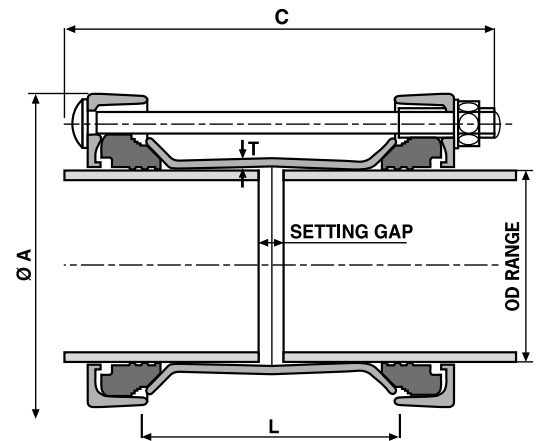


MegaFit Couplings

Specifications

Working Pressure = 16bar (water)
6bar (gas)

A = End Ring Diameter
C = Overall Length
L = Sleeve Length
T = Sleeve Thickness



Couplings

| DN | OD Range | | Bolts No.-Dia x Length | A (mm) | C (mm) | Sleeve Length x Thickness L x T (mm) | Setting Gap | | Gasket Mould No. | Weight (kg) |
|-----|----------|----------|---------------------------|-----------|-----------|--|-------------|----------|---------------------|----------------|
| | Min (mm) | Max (mm) | | | | | Min (mm) | Max (mm) | | |
| 50 | 43.5 | 63.5 | 4-M12 x 235 | 151 | 242 | 144 x 5 | 18 | 60 | 6010 | 4.5 |
| 65 | 63.0 | 83.7 | 4-M12 x 235 | 171 | 242 | 144 x 5 | 18 | 60 | 6011 | 5.2 |
| 80 | 85.7 | 107.0 | 4-M12 x 260 | 192 | 267 | 170 x 5 | 18 | 100 | 6012 | 6.3 |
| 100 | 107.2 | 133.2 | 4-M16 x 290 | 231 | 300 | 180 x 5 | 18 | 110 | 6013 | 9.0 |
| 125 | 132.2 | 160.2 | 4-M16 x 290 | 265 | 300 | 180 x 5.5 | 18 | 110 | 6014 | 11.3 |
| 150 | 158.2 | 192.2 | 4-M16 x 340 | 308 | 350 | 213 x 5.5 | 18 | 130 | 6015 | 15.4 |
| 175 | 192.2 | 226.9 | 4-M16 x 340 | 344 | 350 | 215 x 7 | 18 | 130 | 6030 | 21.7 |
| 200 | 218.1 | 252.1 | 4-M16 x 340 | 369 | 350 | 220 x 8 | 18 | 135 | 6016 | 24.3 |
| 250 | 266.2 | 300.2 | 6-M16 x 420 | 417 | 430 | 300 x 8 | 18 | 215 | 6017 | 34.7 |
| 300 | 315.0 | 349.0 | 6-M16 x 420 | 466 | 430 | 300 x 8 | 18 | 215 | 6018 | 39.4 |

| Bolt Torques | |
|--------------|----------|
| | Nm |
| M12 | 55 - 65 |
| M16 | 95 - 110 |

Materials & Relevant Standards

Centre Sleeve/End Rings*

SG ductile iron BS EN 1563, EN GJS-450-10

Flange Adaptor Body*

SG ductile iron BS EN 1563, EN GJS-450-10

Bolts/Nuts/Washers

Bolts - Steel to BS EN ISO 898 Property Class
Grade 8.8 equivalent DIN 267 - Part 3:Class 8.8

Nuts - Steel to BS EN20898-2 Property Class 8.0

Washers - Stainless Steel to BS 1449:Pt2 grade 304 S15

Coatings

Flange adaptor body, Part centre sleeve, end rings are coated in Rilsan Nylon 11 to WIS 4-52-01

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

Gasket

EPDM compound Grade 'E' to BS EN 681-1 WRAS approved, or nitrile compound to DIN 3535-3

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

Nitrile temperature range: -20°C to +100°C. Suitable for natural gas, petroleum products, low aromatic fuels and compressed air
(Not suitable for fluctuating temperature, e.g. heating systems)

Approvals/Standards

All MegaFit products are designed and manufactured under quality management systems certified to BS EN ISO 9001, have been tested to the UK Water Regulations Advisory Scheme and conform to the American Water Works Association's standard AWWA/ANSI C.219 for bolted couplings

* 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.

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