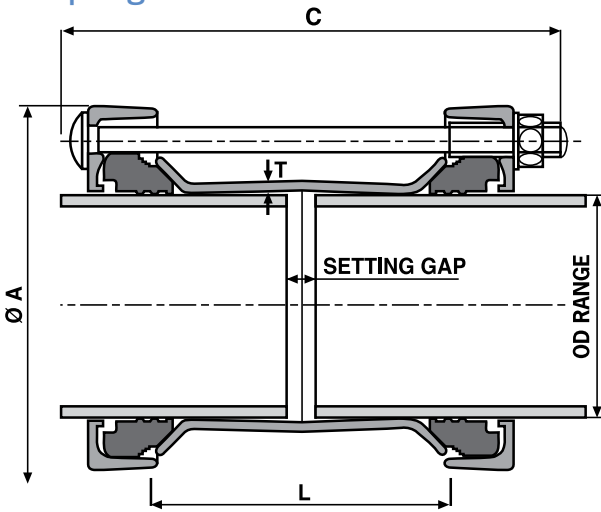


MegaFit Couplings

Datasheet 1/2

Coupling



Key

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

MegaFit 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

* 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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Technical Information

Working Pressure Rating

Water 16 bar

Gas 6 bar

Vacuum Pressure

Capable of accommodating a vacuum pressure of -0.7 bar

Site Test Pressure

1.5 times working pressure for short duration (2 hours)

Angularity

Couplings 8°

The above are for when the product is on maximum pipe outside diameters; can achieve larger ones with smaller pipe diameters.

Bolt Torque/Spanner

M12; Torque 55-65Nm on every bolt

M16; Torque 95-110Nm on every bolt

Temperature Rating of Product

EPDM -20°C to +90°C

Nitrile -20°C to +90°C

For use on applications with fluctuating and / or elevated temperatures (> 60°C) may require regular maintenance to re-tighten the bolts and must be included in any maintenance schedule.

End Load Due to Internal Pressure

MegaFit DOES NOT resist end load due to the internal pressure - adequate external restraint must be provided to prevent pipe pull out.

Approvals

The following water contact materials used in MegaFit are approved for use with potable water:-

Rilsan Nylon 11:

- WRAS, AS/NZS 4020, DVGW, W270, ACS & KIWA

EPDM Gaskets:

- WRAS

Materials & Relevant Standards

Sleeve*

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

End Rings*

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

Coatings

Centre Sleeve & End Rings:

- Rilsan Nylon 11 to WIS 4-52-01 Part 1

Bolts & Nuts:

- Sheraplex to WIS 4-52-03

Gasket

EPDM compound Grade 'E' to BS EN 681-1 WRAS approved

Nitrile compound to DIN 3535-3

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

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