MegaDaptor Flange Adaptors

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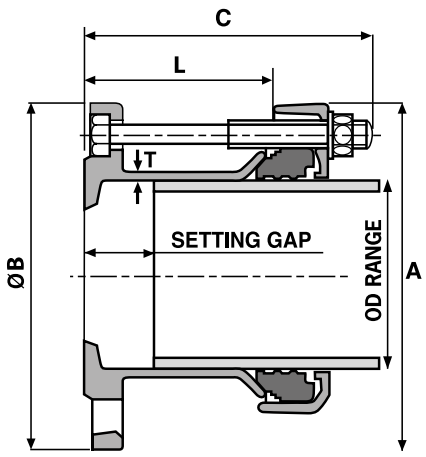
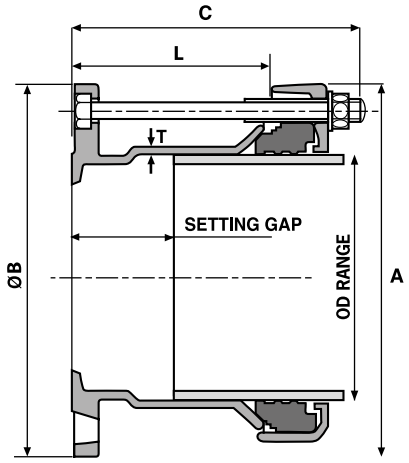
Flange Adaptor Fig. 1



Flange Adaptor Fig. 2



Key

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

Flange adaptors designed to join pipes of various materials and outside diameters to flanges of the same nominal size*.

MegaDaptor Flange Adaptors

DN	OD Range (mm)		Flange Nominal	Flange Drilling	Flange Thickness (mm)	Bolts No.-Dia x Length	A (mm)	B (mm)	C (mm)	Sleeve Length x Thickness (L) x (T)	Setting Gap (mm)		Fig.	Gasket Mould No.	Weight (kg)
	Min	Max									Min	Max			
50	43.5	63.5	50	PN10/PN16	17.0	4-M12 x 125	151	167	131	80 x 6	25	35	1	6010	4.4
65	63.0	83.7	65	PN10/PN16	17.0	4-M12 x 125	171	185	132	80 x 6	25	35	1	6011	5.1
80	85.7	107.0	80	PN10/PN16	17.0	4-M12 x 145	192	200	154	100 x 6	30	60	1	6012	5.8
100	107.2	133.2	100	PN10/PN16	18.0	4-M16 x 180	231	234	191	130 x 6	57	85	2	6013	8.6
125	132.2	160.2	125	PN10/PN16	18.0	4-M16 x 160	265	268	171	111 x 6	28	65	1	6014	9.8
150	158.2	192.2	150	PN10/PN16	18.0	4-M16 x 210	303	317	220	150 x 6	70	100	2	6015	14.17
175*	192.2	226.9	200	PN10/PN16	18.0	4-M16 x 190	344	344	201	132 x 7	25	80	1	6030	17.2
200	218.1	252.1	200	PN10/PN16	18.0	4-M16 x 230	369	374	241	180 x 7	75	130	2	6016	20.4
250	266.2	300.2	250	PN10/PN16	20.0	6-M16 x 270	417	424	281	212 x 7	80	160	2	6017	27.5
300	315.0	349.0	300	PN10/PN16	21.5	6-M16 x 270	466	472	281	211 x 8	80	160	2	6018	34.3

*DN175 MegaDaptor supplied with DN200 flange.

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MegaDaptor Flange Adaptors

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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

Flange Adaptors 4°

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, DVGW, W270, ACS & KIWA

EPDM Gaskets:

- WRAS

Materials & Relevant Standards

Flange Adaptor Body*

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

End Ring*

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

Coatings

Adaptor Body & End Ring:

- 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

* 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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