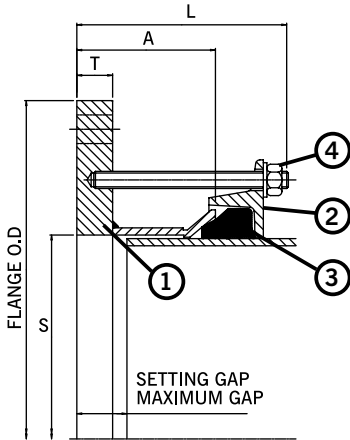


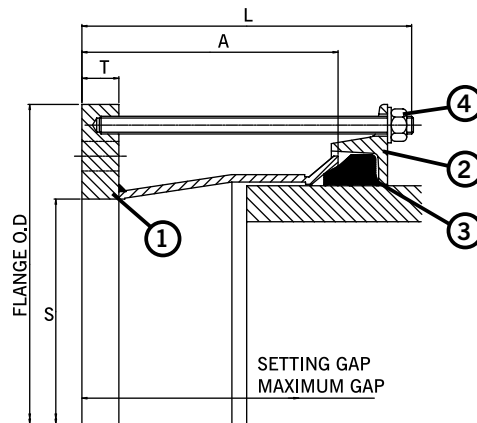
# MaxiDaptor Large Diameter Flange Adaptors ANSI Flange Drilling

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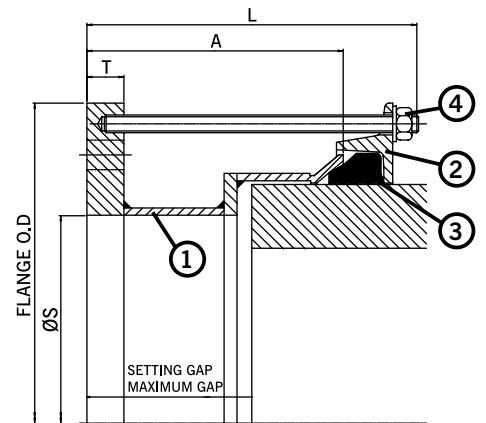
## Flange Adaptor Type 1



## Flange Adaptor Type 2



## Flange Adaptor Type 3



### Key

- 1 = Sleeve
- 2 = End Ring
- 3 = Gasket
- 4 = Stud, Nut & Washer

## MaxiDaptor Flange Adaptors ANSI

OD Range		Flange Details								Gasket Mould No.	Studs No.-Dia x Length	Setting Gap		Weight (kg)
Min (mm)	Max (mm)	Nom.	Drilling	Flange Diameter OD (mm)	Flange Bore S (mm)	Flange Thickness T (mm)	Type	Sleeve Length A (mm)	Overall Length L (mm)			Min (mm)	Max (mm)	
351.0	368.0	14"	ANSI150	533.0	370.0	25	1	120	218	6002	6-M12 x 205	45	68	35.9
374.5	391.5	14"	ANSI150	533.0	393.5	25	1	120	218	1659	6-M12 x 205	45	68	34.0
386.0	403.0	14"	ANSI150	533.0	397.5	25	2	205	218	6035	6-M12 x 290	130	153	39.0
394.3	411.3	14"	ANSI150	533.0	397.5	25	2	205	218	1766	6-M12 x 290	130	153	39.2
404.8	421.8	16"	ANSI150	597.0	424.0	25	1	120	218	1767	8-M12 x 205	45	68	42.2
425.0	442.0	16"	ANSI150	597.0	444.0	25	1	120	218	1662	8-M12 x 205	45	68	40.3
434.4	451.4	16"	ANSI150	597.0	453.5	25	1	120	303	1768	8-M12 x 205	45	68	39.4
439.0	456.0	16"	ANSI150	597.0	458.0	25	1	120	303	6036	8-M12 x 205	45	68	39.0
447.2	464.2	16"	ANSI150	597.0	448.0	25	2	205	303	1769	8-M12 x 290	130	153	46.3
455.0	472.0	16"	ANSI150	597.0	448.0	25	2	205	303	6003	8-M12 x 290	130	153	46.4
455.0	472.0	18"	ANSI150	635.0	474.0	25	1	120	303	6003	8-M12 x 205	45	68	44.0
487.3	504.3	18"	ANSI150	635.0	499.0	25	2	205	303	1771	8-M12 x 290	130	153	47.8
492.0	509.0	18"	ANSI150	635.0	499.0	25	2	205	303	6037	8-M12 x 290	130	153	47.8
501.9	518.9	18"	ANSI150	635.0	499.0	25	2	205	303	1772	8-M12 x 290	130	153	48.0
510.0	527.0	18"	ANSI150	637.0	499.0	25	2	205	303	6004	8-M12 x 290	130	153	48.6
527.0	544.0	20"	ANSI150	698.0	546.0	25	1	120	303	1773	10-M12 x 205	45	68	47.9
540.1	557.1	20"	ANSI150	698.0	550.0	25	2	205	303	1774	10-M12 x 290	130	153	54.4
546.0	563.0	20"	ANSI150	698.0	550.0	25	2	205	303	6038	10-M12 x 290	130	153	54.8
555.3	572.3	20"	ANSI150	698.0	550.0	25	2	205	303	1775	10-M12 x 290	130	153	55.0
565.0	582.0	20"	ANSI150	698.0	550.0	25	2	205	303	1776	10-M12 x 290	130	153	55.1
582.2	599.2	20"	ANSI150	709.0	550.0	25	2	205	303	1777	10-M12 x 290	130	153	57.8
601.0	618.0	24"	ANSI150	813.0	620.0	25	1	120	218	6020	10-M12 x 205	45	68	63.3
630.0	647.0	24"	ANSI150	813.0	649.0	25	1	120	303	1778	10-M12 x 205	45	68	58.7
645.2	662.2	24"	ANSI150	813.0	653.0	25	2	205	303	1779	10-M12 x 290	130	153	66.7
654.0	671.0	24"	ANSI150	813.0	653.0	25	2	205	303	6039	10-M12 x 290	130	153	66.9
662.0	679.0	24"	ANSI150	813.0	653.0	25	2	205	303	1780	10-M12 x 290	130	153	67.0
675.0	692.0	24"	ANSI150	813.0	653.0	25	2	205	303	6005	10-M12 x 290	130	153	67.3

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# MaxiDaptor Large Diameter Flange Adaptors ANSI Flange Drilling

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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)

### Flange Drilling & Rated Pressure

While drilling patterns defined for the flange adaptors are compatible with the standards listed in the data sheet table, the rated working pressure of the product is as noted above

### Angularity

Flange Adaptors 3°

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

Spanner size A/F 19mm

### 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

MaxiFit 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 MaxiFit are approved for use with potable water:-

Rilsan Nylon 11:

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

EPDM Gaskets:

➤ WRAS, AS/NZS 4020

In addition to the above, MaxiFit range as a finished product has KIWA certification verifying that the above products comply with the requirements of the Water Supply (Water Fittings) Regulations for England and Wales 1999, the Water Byelaws 2000, Scotland and the Water Regulations Northern Ireland.

## Materials & Relevant Standards

### Flange Adaptor Body

Flange:

➤ Mild Steel to BS EN 10025-2 Grade S275

Sleeve:

➤ Rolled Steel to BS EN 10025-2 Grade S275

### End Ring

Rolled Steel to BS EN 10025-2 Grade S275

### Gasket

EPDM Grade "E" to BS EN 681-1 Type WA WRAS Listed

Nitrile compound to Grade G BS EN 682, Type G

### Coatings

Flange Adaptor Body & End Ring:

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

Bolts & Nuts:

➤ Sheraplex to WIS 4-52-03

### Studs

Standard - Steel to BS EN ISO 898-1 Property Class 4.8

Option - Stainless Steel to BS EN ISO 3506-1: grade A4 property class 50

### Nuts

Standard - Steel to BS EN 4190 Grade 4

Option - Stainless Steel to BS EN ISO 3506-2: grade A4 property class 80

### Washers

Stainless Steel to BS 1449:Part 2 Grade 304 S15