

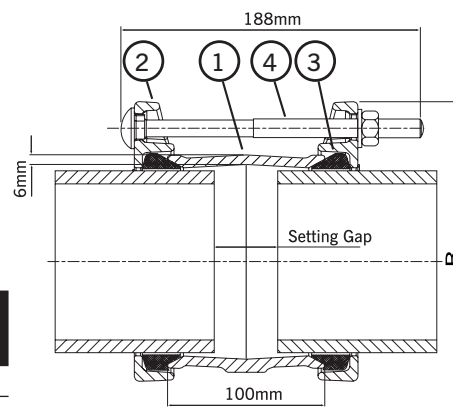
QuickFit

Dedicated Couplings and Flange Adaptors - Standard Products

QuickFit Coupling

Bolt size M12 x 180mm CDX
 Setting gap Recommended - 20mm
 Max - 40mm
 Bolt torque 55-65Nm

1 = Centre Sleeve
 2 = End Ring
 3 = Gasket
 4 = Bolts



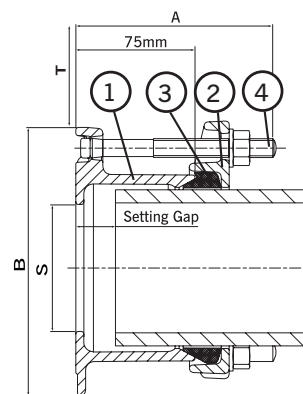
Size Range (mm)		Working Pressure (bar)	End Ring O.D. B (mm)	Bolt Size No x Dia x Length	Gasket Mould no.	Weight (kg)
Min	Max					
47.9	51.3	40	136.0	2 x M12 x 180	12477/41	2.22
59.5	63.3	40	148.0	2 x M12 x 180	12477/1	2.51
75.3	79.1	40	164.0	2 x M12 x 180	12477/5	2.89
88.1	91.9	40	177.0	4 x M12 x 180	12477/7	3.81
95.8	100.2	40	185.0	4 x M12 x 180	12477/10	4.00
107.2	111.0	40	196.0	4 x M12 x 180	12477/12	4.26
113.5	120.2	40	205.0	4 x M12 x 180	12477/15	4.48
138.9	142.7	40	228.0	4 x M12 x 180	12477/19	5.02
158.2	162.0	25	254.0	4 x M12 x 180	12477/21	6.21
167.5	172.3	25	264.0	4 x M12 x 180	12477/24	6.48
192.9	196.7	25	292.0	4 x M12 x 180	12477/26	7.94
218.3	224.4	25	319.0	4 x M12 x 180	12477/29	8.76
272.2	276.5	25	372.0	6 x M12 x 180	12477/34	11.00
323.1	328.6	25	424.0	6 x M12 x 180	12477/37	12.56

Test pressure = 1.5 x working pressure

QuickFit Flange Adaptor (standard cast product)

Bolt Size M12 x 115mm Tee Bolt
 Setting gap Recommended - 25mm
 Max - 45mm
 Bolt torque 55-65Nm
 Max working pressure In accordance with flange rating

1 = Body
 2 = End Ring
 3 = Gasket
 4 = Bolts



Size Range (mm)		Flange Detail (mm)		Overall Length A (mm)	S Bore S (mm)	Flange Drilling	Bolt Size No x Dia x Length	Gasket Mould no.	Weight (kg)
Min	Max	Flange O.D. (B)	Flange Thickness (T)						
59.5	63.3	161.0	17.0	125.0	50.0	50 PN10,16,25,40	2 x M12 x 115	12477/1	2.28
75.3	79.1	181.0	17.0	125.0	65.0	65 PN10,16	2 x M12 x 115	12477/5	2.66
88.1	91.9	196.0	17.0	126.0	80.0	80 PN10,16,25,40	4 x M12 x 115	12477/7	3.50
95.8	100.2	196.0	17.0	126.0	80.0	80 PN10,16,25,40	4 x M12 x 115	12477/10	3.60
107.2	111.0	216.0	17.0	126.0	100.0	100 PN10,16	4 x M12 x 115	12477/12	3.92
113.5	120.2	216.0	17.0	126.0	100.0	100 PN10,16	4 x M12 x 115	12477/15	4.05
138.9	142.7	246.0	17.0	126.0	125.0	125 PN10,16	4 x M12 x 115	12477/19	4.72
158.2	162.0	284.0	17.0	126.0	150.0	150 PN10,16	4 x M12 x 115	12477/21	5.78
167.5	172.3	284.0	17.0	126.0	150.0	150 PN10,16	4 x M12 x 115	12477/24	5.89
192.9	196.7	339.0	20.0	126.0	199.0	200 PN10,16	4 x M12 x 115	12477/26	8.45
218.3	224.4	339.0	20.0	126.0	200.0	200 PN10,16	4 x M12 x 115	12477/29	8.51
272.2	276.5	405.0	20.0	129.0	250.0	250 PN10,16	6 x M12 x 115	12477/34	11.40
323.1	328.6	455.0	20.0	129.0	300.0	300 PN10,16	6 x M12 x 115	12477/37	13.06

Test pressure = 1.5 x working pressure

Tied Flange Adaptor

The design of the new QuickFit Flange Adaptor is such that there is sufficient clearance to allow tie rods (used to restrain them) to pass over without the need for notching.



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QuickFit

Dedicated Couplings and Flange Adaptors - Standard Products

Material Specification and Standards

Flange Adaptor Body, Centre Sleeve and End Rings

Ductile Iron to BS EN1563:1997 Symbol EN-GJS-450-10

Gaskets

Standard EPDM to BS EN681-1, TYPE WA, WC

Nitrile to BS EN682:2002, Type G

Other grades are available - contact Viking Johnson Marketing dept. for details

Tee Bolts / Bolts

Standard: Steel to BS EN ISO 898-1:1999 property class 4.8

Option: Stainless Steel to BS EN ISO 3506-1:1998 grade A4 property class 50

Nuts

Standard: Steel to BS EN 20898-2:1994 property class 8

Option: Stainless Steel to BS EN ISO 3506-2:1998 grade A4 property class 80

Washers

Stainless Steel to BS1449:PART 2:1983 GRADE 304S15

Coating

Flange adaptor body, centre sleeve and end rings coated with:

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

Other coatings available: Scotchkote, Primer, Galvanised

Tee bolts, CDX bolts and nuts coated with

Standard: Sheraplex to WIS 4-52-03

QuickFit is designed and manufactures under Quality Management Systems certified to BS EN ISO 9001:2000 and the requirements of ISO 14001. Viking Johnson operates a policy of continual product improvement and innovation, and reserves the right to modify details in this publication. Information is correct at time of publishing. Additional dimensional information is available from our Marketing Department.



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

Datasheet 1.1

QuickFit

Dedicated Flange Adaptors - Fabricated Products

New QuickFit Flange Drilling Capabilities - Other common drillings

OD	Flange Details Nom - "	ASME/ANSI B16.1/ASME B16.5 Class							
		125		150		250		300	
		Y/N	Tied?	Y/N	Tied?	Y/N	Tied?	Y/N	Tied?
059.5 - 063.3	2	✓	x	✓	x	✓	✓	x	x
075.3 - 079.1	2.5	✓	✓	✓	✓	✓	✓	x	x
088.1 - 091.9	3	✓	✓	✓	✓	✓	✓	x	x
095.8 - 100.2	3	✓	x	✓	x	✓	✓	x	x
107.2 - 111.0	4	✓	✓	✓	✓	✓	✓	x	x
113.5 - 120.2	4	✓	✓	✓	✓	✓	✓	x	x
138.9 - 142.7	5	✓	✓	✓	✓	✓	✓	x	x
158.2 - 162.0	6	✓	✓	✓	✓	✓	✓	x	x
167.5 - 172.3	6	✓	✓	✓	✓	✓	✓	x	x
192.2 - 196.7	8	✓	✓	✓	✓	x	x	x	x
218.3 - 224.4	8	✓	✓	✓	✓	✓	✓	x	x
272.2 - 276.5	10	✓	✓	✓	✓	x	x	x	x
323.1 - 328.6	12	✓	✓	✓	✓	x	x	x	x

Y/N = ✓ = Can make QFFA with this drilling

x = Cannot make QFFA with this drilling

Tied? = ✓ = Can offer as tied FA – notching not required

x = Cannot offer as tied FA – bolts clash with end ring – cannot notch

OD	Flange Details Nom - "	ANSI/AWWA C207 Class							
		B		D		E		F	
		Y/N	Tied?	Y/N	Tied?	Y/N	Tied?	Y/N	Tied?
107.2 - 111.0	4	✓	✓	✓	✓	✓	✓	✓	✓
113.5 - 120.2	4	✓	✓	✓	✓	✓	✓	✓	✓
138.9 - 142.7	5	✓	✓	✓	✓	✓	✓	✓	✓
158.2 - 162.0	6	✓	✓	✓	✓	✓	✓	✓	✓
167.5 - 172.3	6	✓	✓	✓	✓	✓	✓	✓	✓
192.2 - 196.7	8	✓	✓	✓	✓	✓	✓	✓	✓
218.3 - 224.4	8	✓	✓	✓	✓	✓	✓	✓	✓
272.2 - 276.5	10	✓	✓	✓	✓	✓	✓	x	x
323.1 - 328.6	12	✓	✓	✓	✓	✓	✓	x	x

OD	Flange Details Nom - mm	AS2129 Table							
		A		C		D		E	
		Y/N	Tied?	Y/N	Tied?	Y/N	Tied?	Y/N	Tied?
059.5 - 063.3	50	✓	x	✓	x	✓	x	✓	x
075.3 - 079.1	65	✓	x	✓	x	✓	x	✓	x
088.1 - 091.9	80	✓	x	✓	x	✓	x	✓	x
095.8 - 100.2	80	✓	x	✓	x	✓	x	✓	x
107.2 - 111.0	100	✓	✓	✓	✓	✓	✓	✓	✓
113.5 - 120.2	100	✓	x	✓	x	✓	x	✓	x
138.9 - 142.7	125	✓	✓	✓	✓	✓	✓	✓	✓
158.2 - 162.0	150	✓	✓	✓	✓	✓	✓	✓	✓
167.5 - 172.3	150	✓	x	✓	x	✓	x	✓	x
192.2 - 196.7	200	✓	✓	✓	✓	✓	✓	✓	✓
218.3 - 224.4	200	✓	x	✓	x	✓	x	✓	x
272.2 - 276.5	250	x	x	x	x	x	x	✓	✓
323.1 - 328.6	300	x	x	✓	✓	✓	✓	✓	x



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QuickFit

Dedicated Flange Adaptors - Fabricated Products

New QuickFit Flange Drilling Capabilities - Standard drillings

OD	Flange Details Nom - mm	BS EN 1092											
		PN2.5		PN6		PN10		PN16		PN25		PN40	
		Y/N	Tied?	Y/N	Tied?	Y/N	Tied?	Y/N	Tied?	Y/N	Tied?	Y/N	Tied?
059.5 - 063.3	50	✓	X	✓	X								
075.3 - 079.1	65	✓	X	✓	X					✓	✓	✓	✓
088.1 - 091.9	80	✓	X	✓	X								
095.8 - 100.2	80	✓	X	✓	X								
107.2 - 111.0	100	✓	✓	✓	✓					✓	✓	✓	✓
113.5 - 120.2	100	✓	X	✓	X					✓	✓	✓	✓
138.9 - 142.7	125	✓	X	✓	X					✓	✓	✓	✓
158.2 - 162.0	150	✓	X	✓	X					✓	✓	X	X
167.5 - 172.3	150	✓	X	✓	X					✓	✓	X	X
192.2 - 196.7	200	✓	✓	✓	✓					✓	✓	X	X
218.3 - 224.4	200	✓	X	✓	X					✓	✓	X	X
272.2 - 276.5	250	✓	X	✓	X					✓	✓	X	X
323.1 - 328.6	300	✓	X	✓	X					X	X	X	X

Y/N = ✓ = Can make QFFA with this drilling

X = Cannot make QFFA with this drilling

Tied? = ✓ = Can offer as tied FA – notching not required

X = Cannot offer as tied FA – bolts clash with end ring – cannot notch

☐ = Denotes standard cast product, please refer to datasheet 1.1 for full details

OD	Flange Details Nom - "	BS 10:1962 Table											
		A		D		E		F		H		J	
		Y/N	Tied?	Y/N	Tied?	Y/N	Tied?	Y/N	Tied?	Y/N	Tied?	Y/N	Tied?
059.5 - 063.3	2	✓	X	✓	X	✓	X	✓	✓	✓	✓	X	X
075.3 - 079.1	2.5	✓	X	✓	X	✓	X	✓	✓	✓	✓	X	X
088.1 - 091.9	3	✓	X	✓	X	✓	X	✓	✓	✓	✓	X	X
095.8 - 100.2	3	✓	X	✓	X	✓	X	✓	✓	✓	✓	X	X
107.2 - 111.0	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	X
113.5 - 120.2	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	X
138.9 - 142.7	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	X
158.2 - 162.0	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	X
167.5 - 172.3	6	✓	X	✓	X	✓	X	✓	✓	✓	✓	X	X
192.2 - 196.7	8	✓	✓	✓	✓	✓	✓	✓	✓	X	X	X	X
218.3 - 224.4	8	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	X	X
272.2 - 276.5	10	X	X	X	X	✓	✓	✓	✓	✓	✓	X	X
323.1 - 328.6	12	X	X	✓	✓	✓	✓	X	X	X	X	X	X

Materials of Construction

Flange

Steel to BS EN 10025-2:2004 Grade S275JR

Sleeve

Steel Tube to BS1387:1985

or Steel Tube to BS3601:1987 Grade 430

or Steel BS EN10025-2:2004 Grade S275JR

Tee Bolts

Standard: Steel to BS EN ISO 898-1:1999 property class 4.8

Option: Stainless Steel to BS EN ISO 3506-1:1998 grade A4

property class 50

Nuts

Standard: Steel to BS EN 20898-2:1994 property class 8

Option: Stainless Steel to BS EN ISO 3506-2:1998 grade A4

property class 80

Washers

Stainless Steel to BS1449:PART 2:1983 GRADE 304S15

End Rings

Ductile Iron to BS EN1563:1997 Symbol EN GJS-450-10

Gaskets

Standard EPDM to BS EN681-1, TYPE WA, WC

Nitrile to BS EN682:2002, Type G

Other grades are available - contact Viking Johnson Marketing dept.



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