

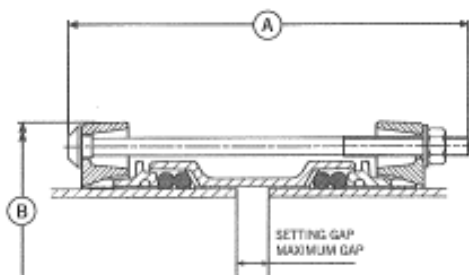
AquaFast

Uniquely designed couplings and flange adaptors to simplify Polyethylene and PVC pipe connections

AquaFast 63mm-315mm

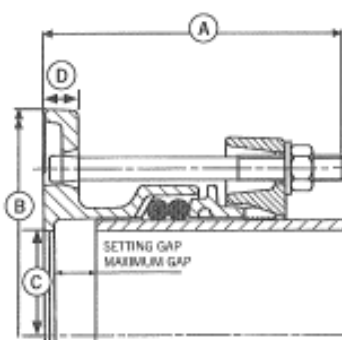
AquaFast coupling assembly

Pipe OD	Bolts No. size	Dimensions		Setting Gap	Max Gap	Weight Kg
		A max	B dia			
63	2-M12x250	257	141.5	20	30	3
75	2-M12x250	257	153.5	20	30	3.3
90	2-M12x250	257	170	20	30	3.9
110	2-M12x250	257	190.5	20	30	4.7
125	2-M12x250	257	207	20	30	5.2
140	4-M12x250	257	222	20	30	6.2
160	4-M12x250	257	242	20	30	9.5
180	4-M12x375	382	264	30	50	13.6
200	4-M12x375	382	292	30	50	14.8
225	4-M16x385	395	323	30	50	18.4
250	6-M16x385	395	351	30	50	24.1
315	6-M16x385	395	417	30	50	29.2



AquaFast flange adaptor assembly

Pipe OD	Flange Drillings	Tee Bolts/ No. Size	Dimensions		Bore C	Flange Thickness D	Setting Gap	Max Gap	Weight Kg
			A max	B dia					
63	50/65 PN10,16	2-M12x135	144	185	50	17	20	25	3.7
75	65/80 PN10,16	2-M12x135	144	200	65	17	20	25	4.3
75	60 PN10,16	2-M12x135	144	200	65	17	20	25	4.3
90	65/80 PN10,16	2-M12x135	144	200	80	17	20	25	4.4
110	100 PN10,16	2-M12x135	144	229.5	100	17	20	25	5.4
125	100/125 PN10,16	2-M12x135	144	250	100	17	20	25	6.3
140	125 PN10,16	4-M12x135	144	250	125	17	20	25	6.4
160	150 PN10,16	4-M12x135	144	285.5	150	17	20	25	7.3
180	150 PN10,16	4-M12x185	195	285.5	150	17	25	35	10.2
200	200 PN10,16	4-M12x185	195	343	190	18	25	35	13
225	200 PN10,16	4-M16x195	205	342.5	190	18	25	35	14.5
250	250 PN10,16	6-M16x195	208	406	240	20	25	35	19.5
315	300 PN10,16	6-M16x195	209	483	300	21	25	35	24.6



All flange drilled to BS4504/BS EN ISO 7005 PN10 and PN16

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VIKING JOHNSON

CRANE
A Crane Co. Company

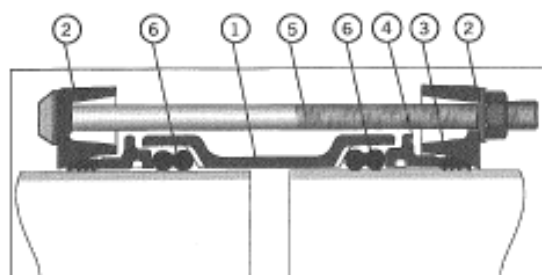
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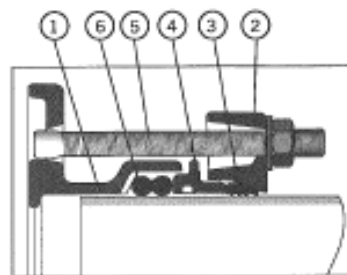
Uniquely designed couplings and flange adaptors
to simplify Polyethylene and PVC pipe connections

AquaFast coupling



- | | | |
|------------------|----------------------|-----------|
| 1. Centre Sleeve | 3. Gripper | 5. Bolts |
| 2. End Ring | 4. Intermediate Ring | 6. Gasket |

AquaFast flange adaptor



- | | |
|-------------|----------------------|
| 1. Body | 4. Intermediate Ring |
| 2. End Ring | 5. Tee Bolts |
| 3. Gripper | 6. Gasket |

Material Specification and Standards

AquaFast Technical Data

Centre sleeve, end ring and flange adaptor body
Ductile Iron to BS EN 1563:1997:Symbol EN-GJS-450-10

Gripper ring
Zinc alloy to BS EN 12844:1999 Designation ZP3

Intermediate ring
Up to and including 160mm: Ductile iron to
BS EN 1563:1997:Symbol EN-GJS-450-10.
180mm and over Aluminium alloy 6063 condition T6

Bolts
BS EN ISO 898-1:1999 Property class 8.8
Stainless Steel option -
BS EN ISO 3506-1:1998 Grade A4 Property Class 70
(Stainless steel available as special order)

Nuts (M97)
Steel to BS EN 20898-2:1994 Grade 8
Stainless Steel option -
BS EN ISO 3506-2:1998 Grade A4 Property Class 70
(Stainless steel available as special order)

Washers (M42)
BS 1449:Part 2:1983 Grade 304S15

Gasket (EPDM)
BS EN 681-1 1996 Type WA/BS 6920 hardness
to 70 IRHD

Coatings
Centre sleeve, end ring, flange adaptor body and
intermediate ring: Rilsan Nylon 11
Gripper: Cathaphoretic coating
Bolts, nuts: Sheraplex to WIS 4-52-03

Working pressure
Maximum 16 bar

Approvals
WRAS

AquaFast is designed and manufactured 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.

For further information on all Viking Johnson products and services contact our Marketing Department using the telephone/fax and email details below.