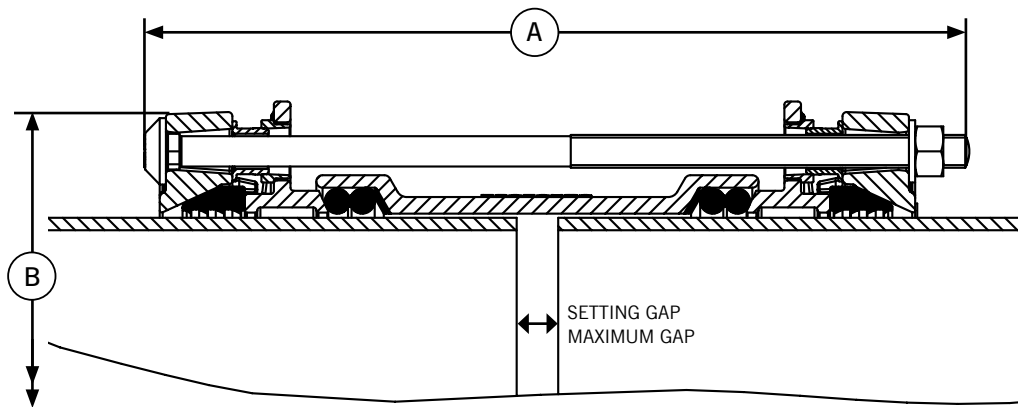


AquaFast Couplings 63mm to 315mm

Datasheet

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Coupling



AquaFast Couplings

Pipe OD	Bolt Size No.-Dia x Length	Dimensions (mm)		Setting Gap (mm)	Max Gap (mm)	Weight (kg)
		A max	B dia			
63	2-M12 x 250	257	144	20	30	4.2
75	2-M12 x 250	257	156	20	30	4.7
90	2-M12 x 250	257	171	20	30	5.3
110	2-M12 x 250	257	192	20	30	6.4
125	2-M12 x 250	257	207	20	30	7.1
140	4-M12 x 250	257	221	20	30	8.4
160	4-M12 x 250	257	241	20	30	9.2
180	4-M12 x 375	382	272	30	50	18.0
200	4-M12 x 375	382	292	30	50	20.4
225	4-M16 x 385	395	328	30	50	24.8
250	6-M16 x 385	395	352	30	50	31.5
280	6-M16 x 385	395	382	30	50	33.6
315	6-M16 x 385	395	417	30	50	38.7

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AquaFast Couplings 63mm to 315mm

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Technical Information

Working Pressure Rating

Water 16 bar

Gas not approved

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)

Pipe Material / Support Liner

When used on the following pipe materials AquaFast does not need a support liner:-

- ▶ MDPE (PE80) and HPPE (PE100) in SDR ratings 11 & 17
- ▶ PVC pipe (metric dimensions)
 - ▶ PVC-O (16 bar rated pipe)
 - ▶ PVC-U (10 bar rated pipe)

Angularity

Couplings 1.5°

Bolt Torque

Torque Wrench; Tighten using spanner of sufficient length to ensure enough leverage is applied to cause resisters to collapse evenly until fitting the metal to metal positive stop is achieved.

Specialist Equipment

None required, only a rag to clean pipe and a spanner or wrench. The length of the Spanner or Torque Wrench used to tighten the bolts must be sufficiently long to ensure enough leverage is applied to cause resisters to collapse evenly until fitting the metal to metal positive stop is achieved.

Temperature Rating of Product

EPDM -20°C to +40°C

AquaFast is not suitable for use on heating systems with fluctuating temperatures.

End Load Due to Internal Pressure

AquaFast Fully restrained fitting, designed to meet the performance requirements of BS EN 12842, ISO 17885 and IGN 4-01-02 (formally WIS 4-24-01).

Approvals

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

Rilsan Nylon 11:

- ▶ WRAS, DVGW, W270, ACS & KIWA

EPDM Gaskets:

- ▶ WRAS

In addition to the above, AquaFast 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

Centre Sleeve, End Ring & Flange Adaptor Body

Ductile iron to BS EN 1563 Symbol EN-GJS-450-10

Gripper Ring

Ductile iron to BS EN 1563 Symbol EN-GJS-450-10

Intermediate Ring

Ductile iron to BS EN 1563 Symbol EN-GJS-450-10

Gasket (EPDM)

BS EN 681-1 Type WA/BS 6920 hardness to 70 IRHD

Resisters

Free cutting Mild Steel (Grade Y15) Zn³ Zinc coated

Bolts

BS EN ISO 898-1 Property class 8.8

Option - Stainless Steel BS EN ISO3506-1 Grade A2 Property Class 70

(Stainless steel available as special order)

Nuts

Steel to BS EN20898-2 Property Class 8

Option - Stainless Steel BS EN ISO3506-2 Grade A4 Property Class 80

(Stainless steel available as special order)

Washers

BS 1449:Part 2 Grade 304S15

Coatings

Centre Sleeve, End Ring, Flange Adaptor body & intermediate ring:

- ▶ Rilsan Nylon 11

Gripper:

- ▶ Cataphoretic coating

Bolts & Nuts:

- ▶ Sheraplex to WIS 4-52-03

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