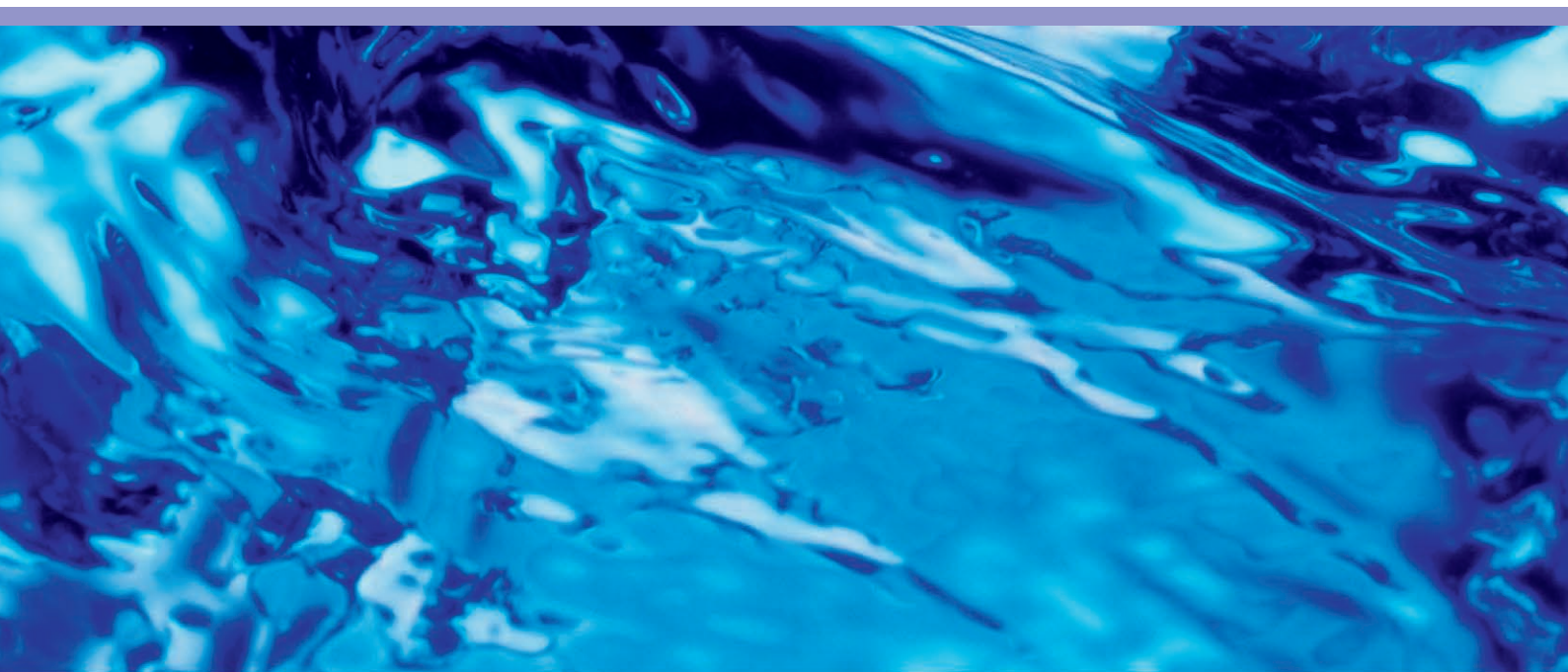


Vinidex Pty Limited  
ABN 42 000 664 942

**HEAD OFFICE**  
Level 4, 26 College Street  
Darlinghurst NSW 2010  
PO Box 747, Darlinghurst NSW 1300

**CUSTOMER SERVICE**  
**P** 13 11 69 | **F** 13 24 43  
**E** sales@vinidex.com.au  
**W** www.vinidex.com.au

Reception: +61 2 8278 0500



## AUSTRALIAN OPERATIONS

### Sydney

254 Woodpark Rd  
Smithfield NSW 2164

### Adelaide

9-11 Kaurna Ave  
Edinburgh SA 5111

### Townsville

18 Enterprise St  
Bohle QLD 4818

### Darwin

61 Marjorie St  
Pinelands NT 0829

### Wagga Wagga

280 Byrnes Rd  
Wagga Wagga  
NSW 2650

### Launceston

15 Thistle St  
Sth Launceston TAS 7249

### Toowoomba

Lot 2 Witmack Rd  
Wellcamp QLD 4350

### Perth

Sainsbury Rd  
O'Connor WA 6163

### Melbourne

Unit 1, 10 Duerdin St  
Notting Hill VIC 3168

### Brisbane

224 Musgrave Rd  
Coopers Plains QLD 4108

### Rodney Industries

19 Valente Close  
Chermside QLD 4032

231-245 St Albans Rd  
Sunshine VIC 3020

#### Limitation of Liability

This product catalogue has been compiled by Vinidex Pty Limited ("the Company") to promote better understanding of the technical aspects of the Company's products to assist users in obtaining from them the best possible performance.

The product catalogue is supplied subject to acknowledgement of the following conditions:

1 The product catalogue is protected by copyright and may not be copied or reproduced in any form or by any means in whole or in part without prior consent in writing by the Company. 2 Product specifications, usage data and advisory information may change from time to time with advances in research and field experience. The Company reserves the right to make such changes at any time without further notice. 3 Correct usage of the Company's products involves engineering judgements, which can not be properly made without full knowledge of all the conditions pertaining to each specific installation. The Company expressly disclaims all and any liability to any person whether supplied with this publication or not in respect of anything and all of the consequences of anything done or omitted to be done by any such person in reliance whether whole or part of the contents of this publication. 4 No offer to trade, nor any conditions of trading, are expressed or implied by the issue of content of this product catalogue. Nothing herein shall override the Company's Condition of Sale, which may be obtained from the Registered Office or any Sales Office of the Company. 5 This product catalogue is and shall remain the property of the Company, and shall be surrendered on demand to the Company. 6 Information supplied in this product catalogue does not override a job specification, where such conflict arises; consult the authority supervising the job. © Copyright Vinidex Pty Limited.

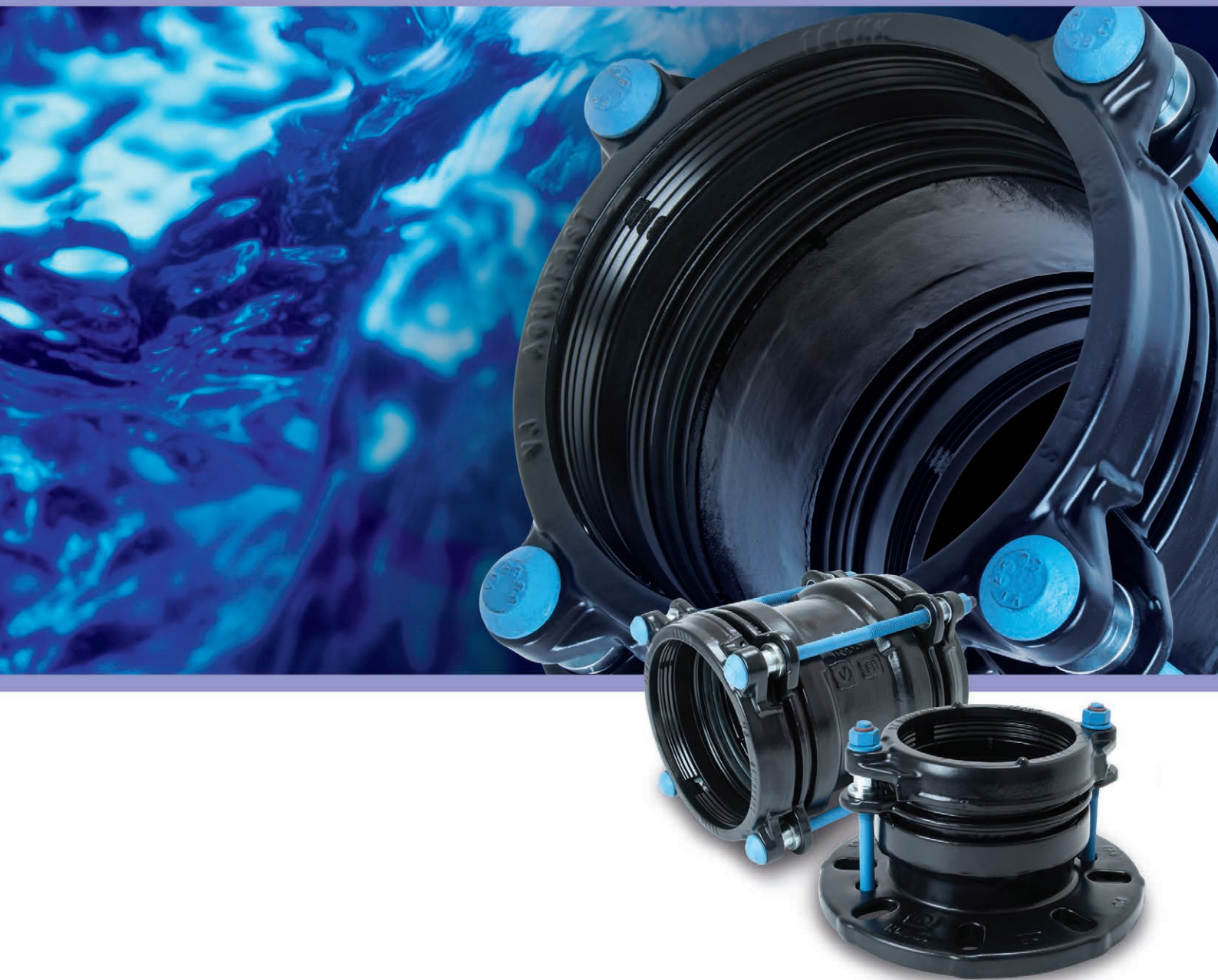
VIN326-  
20190402

Responsive

# AquaFast

Couplings & Flange Adaptors  
For Polyethylene & PVC Connections

**Vinidex**  
by **alixis**



PIONEERS IN PIPE SOLUTIONS





# Designed & Engineered to Simplify Polyethylene & PVC Pipe Connections

## Effortless Installation

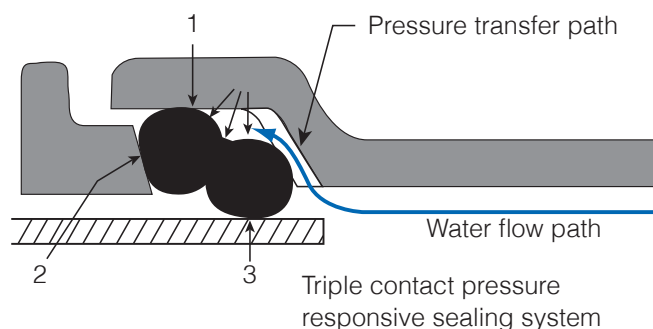
AquaFast's unique pressure sealing system offers a simple and reliable solution for connecting Polyethylene & PVC pipe. With a visual indicator confirming correct fitment and no special skills or tools required, installing AquaFast is effortless and quicker than other systems. In addition, an enhanced gripping mechanism ensures fittings slide easily into position during installation and provide full end load restraint in service negating the need for thrust blocks to prevent pipe pull out.



## On-the-spot Repairs

From start to finish, AquaFast offers benefits to the installer. Supplied fully assembled and with an improved design that delays gripper engagement, AquaFast slides effortlessly over coiled and oval pipe making it easy for

installers to correctly position the product in narrow trench conditions. Needing no specialist equipment, simply a "rag and a spanner", AquaFast can be installed in all-weather conditions and this, coupled with a design that does not need a support liner, means the product is ideal for on-the-spot connections in both new lay and repair / maintenance work.



## Simple Jointing

Using only a standard spanner to tighten fewer bolts (only two per fitting up to 125mm) until the visual indicator confirms correct fitment AquaFast provides operatives with simple means of joining PE pipes. The metal-to-metal positive stop indicating mobilisation of the gripper and gasket sealing mechanisms removes the need for a torque wrench and prevents over tightening of the bolts while ensuring optimum assembly to every time.

## Transitional Connections

AquaFast couplings & flange adaptors are available from 63mm to 315mm OD. Designed to work on both Polyethylene pipe in both PE80 and PE100 material SDR 11, 17/17.6 without a support liner, they can also be used to connect metric PVC pipe, so AquaFast is ideal for PE/ PVC transitional connections.

AquaFast Coupling



AquaFast Flange Adaptor

## Pipe Materials



# AquaFast Couplings & Flange Adaptors

## Product Design Benefits

### Simple to Install

- Captive, non-rotating bolts across whole range requiring a single spanner to install.
- Increased bore dimensions and inclusion of resistors to prevent early engagement of gripper ensures AquaFast slides easily over pipe.



### Positive Stop

- Correct installation confirmed through visual indication with metal to metal contact between three components (end ring, intermediate ring and sleeve flange adaptor body).



### Flexible Flange Drilling

- As standard the flange adaptors are multi drilled to accommodate BS EN 1092-1 PN10 & 16.

### Efficient Gasket Sealing Technology

- Double 'O' ring gasket provides localised high pressure contact points generating efficient seal on pipe surface.
- EPDM (water quality approved) gaskets.

### Corrosion Protection

- Metal components are coated with Rilsan Nylon 11, which is WRAS approved for use with potable water, and offers long term corrosion protection impact abrasion resistance
- The nuts & bolts are Sheraplex coated to WIS 4-52-03, which does not gall when re-used and provides long term corrosion protection.

### Unique Progressive Sealing and Gripping Mechanism

- Patented gasket and gripper design delivers low pressure / load to outside of pipe at initial bolt up eliminating the need for support liner.
- Water transfer path uses internal pressure to increase gasket compression at contact points.
- As system pressure increases the initial gripper engagement with the pipe is enhanced through progressive gripping.

## Customer Benefits

- ▶ Ideal for pumped sewage line as no support liner is required meaning a clear unrestricted bore. Additionally, Rilsan abrasion resistance coating accommodates any solids any solids in sewage.
- ▶ 50 years design life expectancy is assured through "Accelerated Aging Testing" that simulates lifecycle of the product and Rilsan Nylon coating to metal works for corrosion protections as well as Sheraplex coated bolts to WIS 4-52-03
- ▶ Rough on site handling accommodated by Rilsan coating.
- ▶ Simple onsite installation as the product comes pre-assembled hence easily slides over the round pipe. The resistor ensures gripper remains fully contained in housing until bolt up is complete.
- ▶ Reduced number of bolts ensures the product can be always orientated to facilitate easy access for bolt up.
- ▶ Minimal damage to pipe as progressive gripping system only penetrates sufficiently to mobilise and load forces from internal pressure and other loads in PE Pipe.
- ▶ All water contact materials approved for use with potable water (WRAS)
- ▶ Fully restrained fitting, designed to meet the performance requirements of WIS4-24-01 Type 2 and ISO14236.2





France - Villiers Adam City

# Making Drinking Water Systems More Reliable

AquaFast Flange Adapters

## Project

Viking Johnsons AquaFast product has been selected to provide a bespoke solution for SETHA bobigny. AquaFast products have been selected due to their progressive sealing system and reusable benefits for pressure tests.

## Client

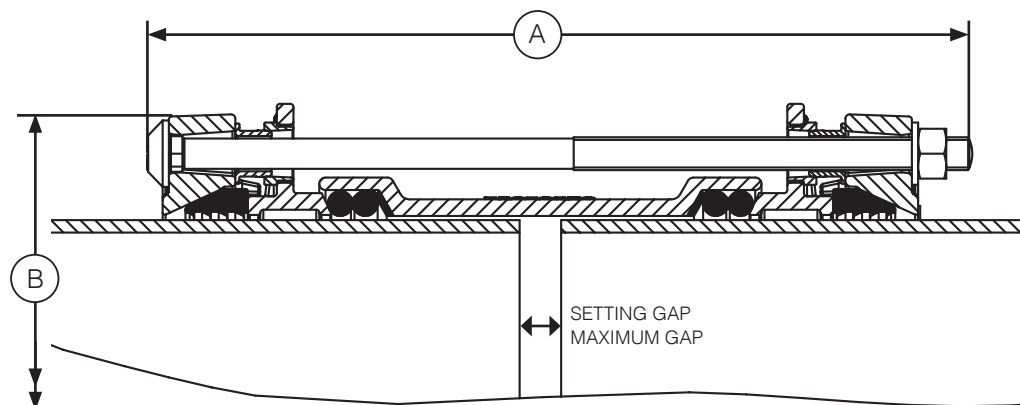
SEDIF

## Contractor

SETHA Bobigny (Sade)

# AquaFast Couplings

## Specifications



## Coupling

VX Code EPDM A1 Fasteners	VX Code EPDM A4 Fasteners	Pipe OD	Bolt Size No.-Dia x Length	Dimensions (mm)		Setting Gap (mm)	Max Gap (mm)	Weight (kg)
				A max	B dia			
59493	59506	63	2-M12 x 250	257	144	20	30	4.2
59494	59507	75	2-M12 x 250	257	156	20	30	4.7
59495	59508	90	2-M12 x 250	257	171	20	30	5.3
59496	59509	110	2-M12 x 250	257	192	20	30	6.4
59497	59510	125	2-M12 x 250	257	207	20	30	7.1
59498	59511	140	4-M12 x 250	257	221	20	30	8.4
59499	59512	160	4-M12 x 250	257	241	20	30	9.2
59500	59513	180	4-M12 x 375	382	272	30	50	18.0
59501	59514	200	4-M12 x 375	382	292	30	50	20.4
59502	59515	225	4-M16 x 385	395	328	30	50	24.8
59503	59516	250	6-M16 x 385	395	352	30	50	31.5
59504	59517	280	6-M16 x 385	395	382	30	50	33.6
59505	59518	315	6-M16 x 385	395	417	30	50	38.7

## Materials & Relevant Standards

### Centre Sleeve, End Ring and 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

### Bolts

BS EN ISO 898-1 Property class 8.8

Stainless Steel option - BS EN ISO3506-1 Grade A2

Property Class 70

### Nuts

Steel to BS EN20898-2 Property Class 8

Stainless Steel option - BS EN ISO3506-2 Grade A4

Property Class 80

### Washers

BS 1449:Part 2 Grade 304S15

### Gasket (EPDM)

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

### Resisters

Free cutting Mild Steel (Grade Y15) Zn3 Zinc coated

### 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

### Pressure Rating

Working 16 bar

Test 24 bar

### Approvals

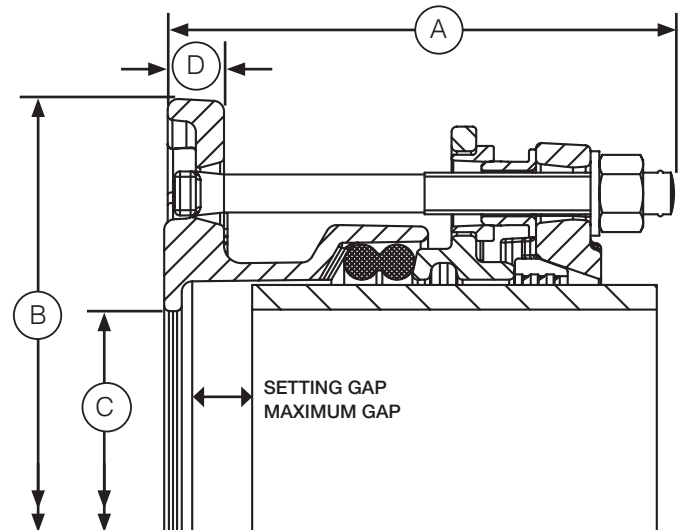
WRAS

A1 - Sheraplex Coated Fasteners

A4 - 316 Stainless Steel Fasteners

# AquaFast Flange Adaptors

## Specifications



## Flange Adaptor

VX Code EPDM A1	VX Code EPDM A4	Pipe OD	Flange Drillings	Tee Bolt Size No.-Dia x Length	Dimensions (mm)		Bore C (mm)	Flange		Max Gap (mm)	Weight (kg)
					A max	B dia					
59532	59545	63	50/65 PN10,16	2-M12 x 135	144	185	50	17	20	25	4.4
59533	59546	75	65/80 PN10,16	2-M12 x 135	144	200	65	17	20	25	4.8
-	-	75	60 PN10,16	2-M12 x 135	144	200	65	17	20	25	4.9
59534	59547	90	65/80 PN10,16	2-M12 x 135	144	200	80	17	20	25	5.0
59535	59548	110	100 PN10,16	2-M12 x 135	144	229	100	17	20	25	6.1
59536	59549	125	100/125 PN10,16	2-M12 x 135	144	250	100	17	20	25	7.2
59537	59550	140	125 PN10,16	4-M12 x 135	144	250	125	17	20	25	7.4
59538	59551	160	150 PN10,16	4-M12 x 135	144	285	150	17	20	25	8.5
59539	59552	180	150 PN10,16	4-M12 x 190	199	285	150	17	25	35	12.4
59540	59553	200	200 PN10,16	4-M12 x 190	200	343	190	18	25	35	15.4
59541	59554	225	200 PN10,16	4-M16 x 195	205	343	190	18	25	35	16.9
59542	59555	250	250 PN10,16	6-M16 x 195	207	406	240	20	25	35	22.5
59543	59556	280	250 PN10,16	6-M16 x 195	207	406	270	20	25	35	22.1
59544	59557	315	300 PN10,16	6-M16 x 195	208	483	300	21.5	25	35	28.2

All flange drilled to BS EN 1092-1 (formerly BS 4504) /BS EN ISO 7005 PN10 and PN16

## Materials & Relevant Standards

### Centre Sleeve, End Ring and 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

### Bolts

BS EN ISO 898-1 Property class 8.8

Stainless Steel option - BS EN ISO3506-1 Grade A2

Property Class 70

### Nuts

Steel to BS EN20898-2 Grade 8

Stainless Steel option - BS EN ISO3506-2 Grade A4

Property Class 80

### Washers

BS 1449:Part 2 Grade 304S15

### Gasket (EPDM)

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

### Resisters

Free cutting Mild Steel (Grade Y15) Zn3 Zinc coated

### 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

### Pressure Rating

Working 16 bar

Test 24 bar

### Approvals

WRAS

A1 - Sheraplex Coated Fasteners

A4 - 316 Stainless Steel Fasteners



United Kingdom - Stockport

# Repair to 315mm Polyethylene Water Main

AquaFast Couplings



## Project

A quick, efficient and permanent repair of a polyethylene burst water main in Stockport using an AquaFast coupling.

## Client

United Utilities

## Contractor

Morgan Utilities