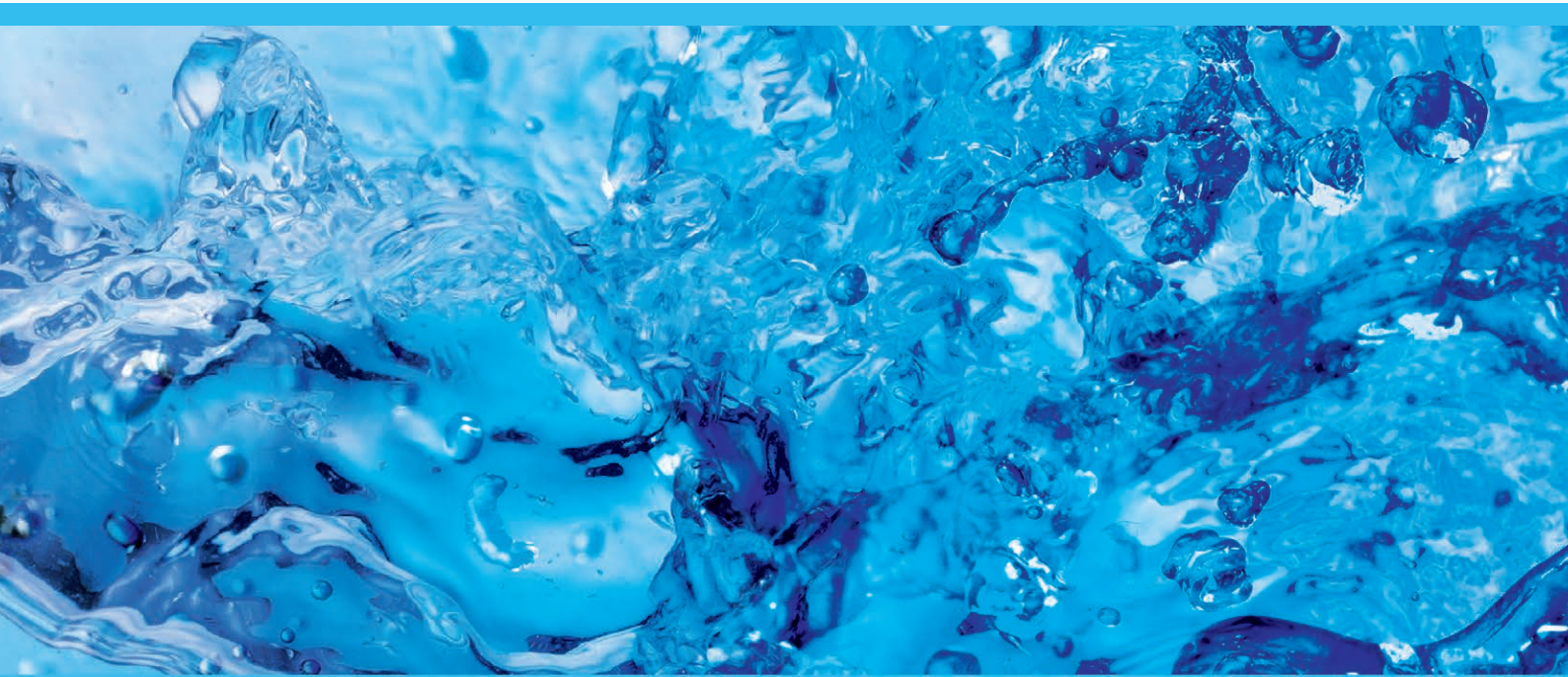


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VIN325-
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Universal

MaxiFit

Wide Tolerance Range
Mechanical Pipe Fitting Technology

Vinidex

by aliaxis



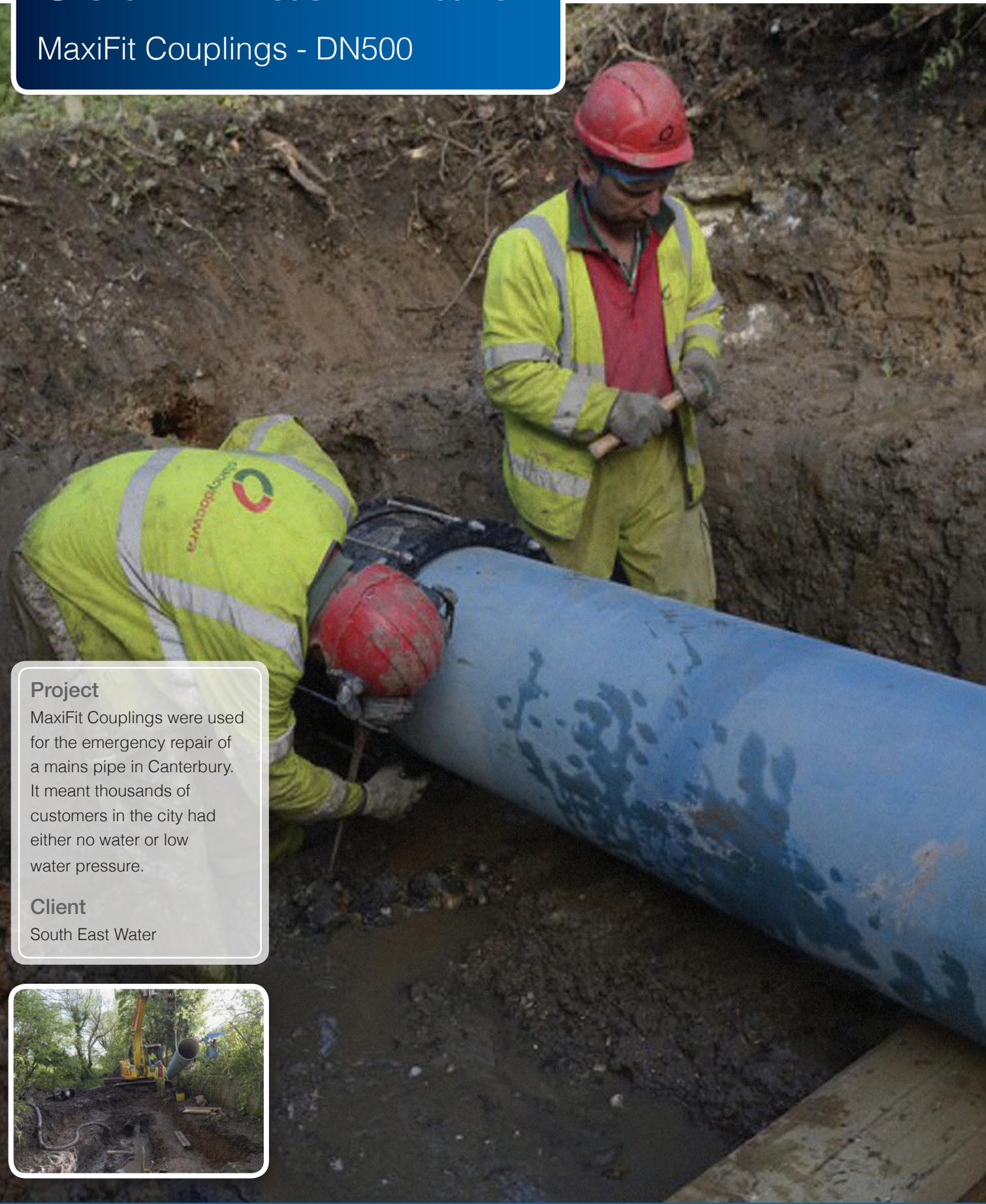
 **VIKING JOHNSON™**

PIONEERS IN PIPE SOLUTIONS

United Kingdom - Canterbury

South East Water

MaxiFit Couplings - DN500



Project

MaxiFit Couplings were used for the emergency repair of a mains pipe in Canterbury. It meant thousands of customers in the city had either no water or low water pressure.

Client

South East Water





A Versatile Solution for Pipe Jointing

MaxiFit universal pipe couplings are designed to accommodate plain ended pipes with different outside diameters. One fitting is able to connect a wide variety of pipe materials including steel, ductile iron, PVC, cast iron, GRP and asbestos cement pipes amongst others. The range includes the following product lines

- ▶ MaxiFit Plus – DN50 – DN150
- ▶ MaxiFit small diameter – DN40 – DN300
- ▶ MaxiFit large diameter – DN350 – DN700

The MaxiFit range is designed and manufactured under quality management systems to BS EN ISO 9001 and meets the requirements of the UK Water Regulations & EN 14525.

Wide Tolerance

With up to 34mm tolerance on the pipe OD it not only eases installation but can reduce the need for expensive and time consuming trial holes, reduce stock holding and increase stock turn over. MaxiFit is an adaptable and economic solution to most pipe connections.

All products in the range have a test pressure of 24bar on water (9bar on gas) and are suitable for 16bar working pressure for water (6bar on gas).

Extensive Range

The expansive range is available in sizes DN40 up to DN700 and includes MaxiFit couplings & MaxiFit Xtra long sleeved couplings, MaxiStep reducing couplings, MaxiDaptor flange adaptors, MaxiCap, MaxiThread End Cap, & MaxiFit Large Diameter couplings & flange adaptors. New to range is MaxiFit Plus couplings and flange adaptors.

Quick & Efficient Installation

The versatile range is pre-assembled with an innovative gasket which has 'slide easy' ribs that reduce friction on pipes at the upper tolerance range of the fitting, providing maximum sealing pressure, even on scored, pitted and corroded pipe surfaces. The captive non-rotating bolt heads require just a single spanner to install with just one standard bolt torque across the range. The MaxiFit Plus range offers better access to bolts when installing, even in narrow and congested trench conditions.



Pipe Materials





The Flexible Solution for Pipe Repairs

The range of MaxiFit universal pipe couplings represents the very latest in mechanical pipe coupling technology. MaxiFit products are designed to accommodate plain ended pipes with different outside diameters, one fitting is able to connect steel, ductile iron, uPVC, cast iron, GRP, asbestos cement pipes and limited lengths of PE pipe for repairs.

Versatile Repairs

It is the variety of pipe materials that the MaxiFit range is suitable for and the wide tolerance which makes it ideal for repair situations where a section of pipe must be cut out and replaced.

MaxiFit easily transitions between various pipe materials, making a simple, permanent and reliable repair whilst the wide tolerance means that only a few strategic sizes need to be kept in stock to cover many repair or emergency situations. MaxiFit Plus is ideal for repair situations in narrow trench area as the bolts are easily accessible.

PE Pipe* can even be used to affect a repair in rigid pipes, but as the MaxiFit range is not end restraint the length of PE used in the repair will need to be limited to 1 metre length of pipe on the standard MaxiFit Range and 2 metre length on the MaxiFit Xtra.

Quick & Efficient Installation

The versatile range is pre-assembled with an innovative gasket which has 'slide easy' ribs to reduce friction on pipes at the upper tolerance range of the fitting, providing maximum sealing pressure, even on scored, pitted and corroded pipe surfaces. The captive non-rotating bolt heads require just a single spanner to install with just one standard bolt torque across the range. These features allow for a quick and efficient installation even in the most difficult of conditions.



Pipe Materials



Use of limited lengths in repairs only



*Note: Due to the flexible nature of the plastic pipes, a close fit Stainless Steel internal support liner is required when PE Pipe or thin walled PVC is used to make a repair to prevent excessive pipe deformation which can occur when a coupling or flange adaptor is installed

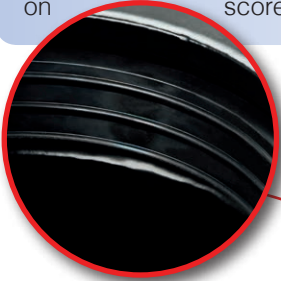


MaxiFit Plus Range

Product Design Benefits

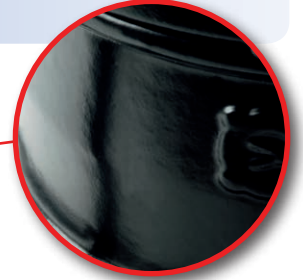
Optimised Gasket Design

A unique gasket with distinctive circumferential ribs provides a 'slide easy' fit for maximum sealing on scored, corroded or pitted pipe.



Excellent Corrosion & Damage Resistance

Coated in black Rilsan Nylon 11 which is WRAS listed and has excellent resistance to impact, abrasion, weathering and chemicals. It also has good thermal stability and flexibility to accommodate for rough site handling.



Flexible Fit

Flared end to the sleeve forms a deep gasket chamber to give maximum possible pipe adjustment.



Simple Installation

Unique 3 bolt system for quicker and easier installation even in a narrow trench by using readily available hand tools.



Customer Benefits

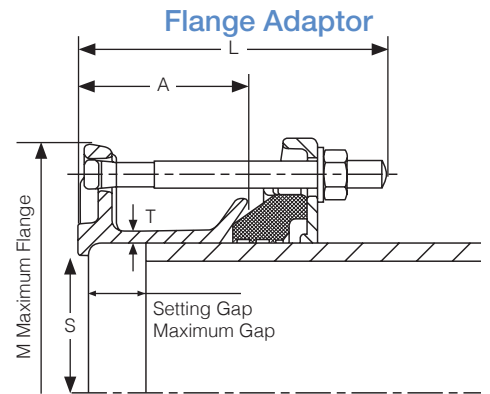
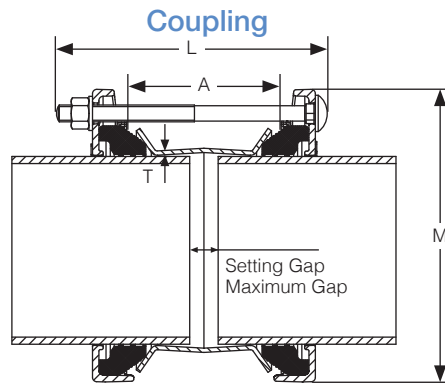
- ▶ Unique three bolt design that allows quicker installation thereby reducing trench risk, available in sizes DN65, DN80 and DN100
- ▶ MaxiFit Plus offers better leverage for torque
- ▶ Better access to bolts especially when installing in narrow or harsh trench conditions
- ▶ Design life expectancy of 50 years, established by rigorous 'Accelerated Age Testing' which subjects product to working pressure at 80°C for 1000 hours
- ▶ Lighter product for easier handling, storage and shipping, thereby reducing costs. MaxiFit Plus available in sizes DN50 to DN150
- ▶ Wide tolerance permits lower stock holding
- ▶ All models accommodate angularity between pipes, allowing for normal pipeline movement caused by ground settlement*
- ▶ A rigorous bolt torque test is completed to confirm that the bolt, end ring and adaptor body are capable of withstanding bolt over-tightening to 1.5 times maximum recommended torque

Note:

*Angularity - Couplings and reducing couplings: offer a maximum of 6° degrees total angular deflection. Flange Adaptors: offer a maximum of 3° degrees total angular deflection; these figures are calculated when using the product on maximum pipe outside diameters. Larger degrees of angular deflection are achievable when product is fitted on smaller pipe outside diameters.

MaxiFit Plus DN50 – DN150

Specifications



MaxiFit Plus Couplings & End Caps

Nom Size (mm)	Size Range (mm)		Diameter (mm) M	Overall Length (mm) L	Sleeve Length x Thickness (A) x (T)	Sleeve	Setting Gap (mm)		Bolts No-Dia X Length	Gasket Mould	Weight Kg	MaxiCap Available
	Min	Max					Min	Max				
DN50	57	74	154.5	190	95 x 3	Steel	20	40	4-M12x180	12392/1	2.7	✓
DN65	63	85	173.5	190	95 x 4.5	Ductile Iron	20	40	3-M12x180	12392/2	3.6	✓
DN65	63	85	173.5	190	95 x 3	Steel	20	40	3-M12x180	12392/2	3.2	✓
DN80	85	107	195.5	190	95 x 4.5	Ductile Iron	20	40	3-M12x180	12392/3	4.1	✓
DN80	85	107	195.5	190	95 x 3	Steel	20	40	3-M12x180	12392/3	3.7	✓
DN100	107	132	224.5	190	95 x 4.5	Ductile Iron	20	40	3-M12x180	12392/4	5.0	✓
DN100	107	132	224.5	190	95 x 3	Steel	20	40	3-M12x180	12392/4	4.5	✓
DN125	132	158	254.5	190	95 x 3	Steel	20	40	4-M12x180	12392/6	5.2	✓
DN150	158	184	280.5	190	95 x 3	Steel	20	40	4-M12x180	12392/7	6	✓

MaxiFit Plus Flange Adaptors

Nominal Size (mm)	Size Range (mm)		Diameter (mm) M	Bore (mm) S	Overall Length (mm) L	Sleeve Length x Thickness (A) x (T)	Flange Drilling	Setting Gap (mm)		Bolts No-Dia X Length	Gasket Mould	Weight Kg
	Min	Max						Min	Max			
DN65	63	85	196.9	75	124	75 x 5	60 PN10:16, 65 PN10:16, 80 PN10:16, 3" BS10 Table ADE, 2.5" ANSI125, 3" ANSI125, 80 AS2129 CD, 80 AS4087 16	20	40	3-M12 x 115	12392/2	3.6
DN80	85	107	202.5	101	124	75 x 5	80 PN10:16, 3" ANSI125, 3.5" BS10 Table AD, 3.5" BS10 Table E	20	40	3-M12 x 115	12392/3	3.8
DN100	107	132	228	121	134	75 x 5	100 PN10:16, 4" BS10 Table AD, 4" BS10 Table E, 4" AWWAC207 D, 100 AS2129 CD, 100 AS4087 16	20	40	3-M12 x 125	12392/4	4.7

Note:

For other sizes of flange adaptors, please see MaxiDapter Flange Adapter section.

*Angularity - Couplings and reducing couplings: offer a maximum of 6° degrees total angular deflection. Flange Adaptors: offer a maximum of 3° degrees total angular deflection;

these figures are calculated when using the product on maximum pipe outside diameters. Larger degrees of angular deflection are achievable when product is fitted on smaller pipe outside diameters.

Materials & Relevant Standards

End Ring and Adaptor Body

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

Centre Sleeve

Sleeve material is rolled Steel to BS EN10025-2 grade S275 or Ductile Iron to BS EN1563 symbol EN GJS-450-10 Compliance with EN 14525

Gasket

EPDM compound Grade E to BS EN 681-1, Type WA, WC
Nitrile compound to Grade G BS EN 682, Type G

Tee Bolts/Bolts

Steel to BS EN ISO 898-1 Property Class 4.8

Bolt Torque/Spanner

Bolt torque 55-65Nm, Spanner size A/F 19mm

Nuts

Steel to BS EN 4190 Grade 4

Washers

Stainless Steel to BS 1449:Part 2 Grade 304S15 Standard

The full MaxiFit Range consists of:

MaxiFit Plus
MaxiFit
MaxiFit Xtra
MaxiStep
MaxiDapter
MaxiFit Large Diameter
MaxiCap
MaxiThread End Cap

MaxiFit Range

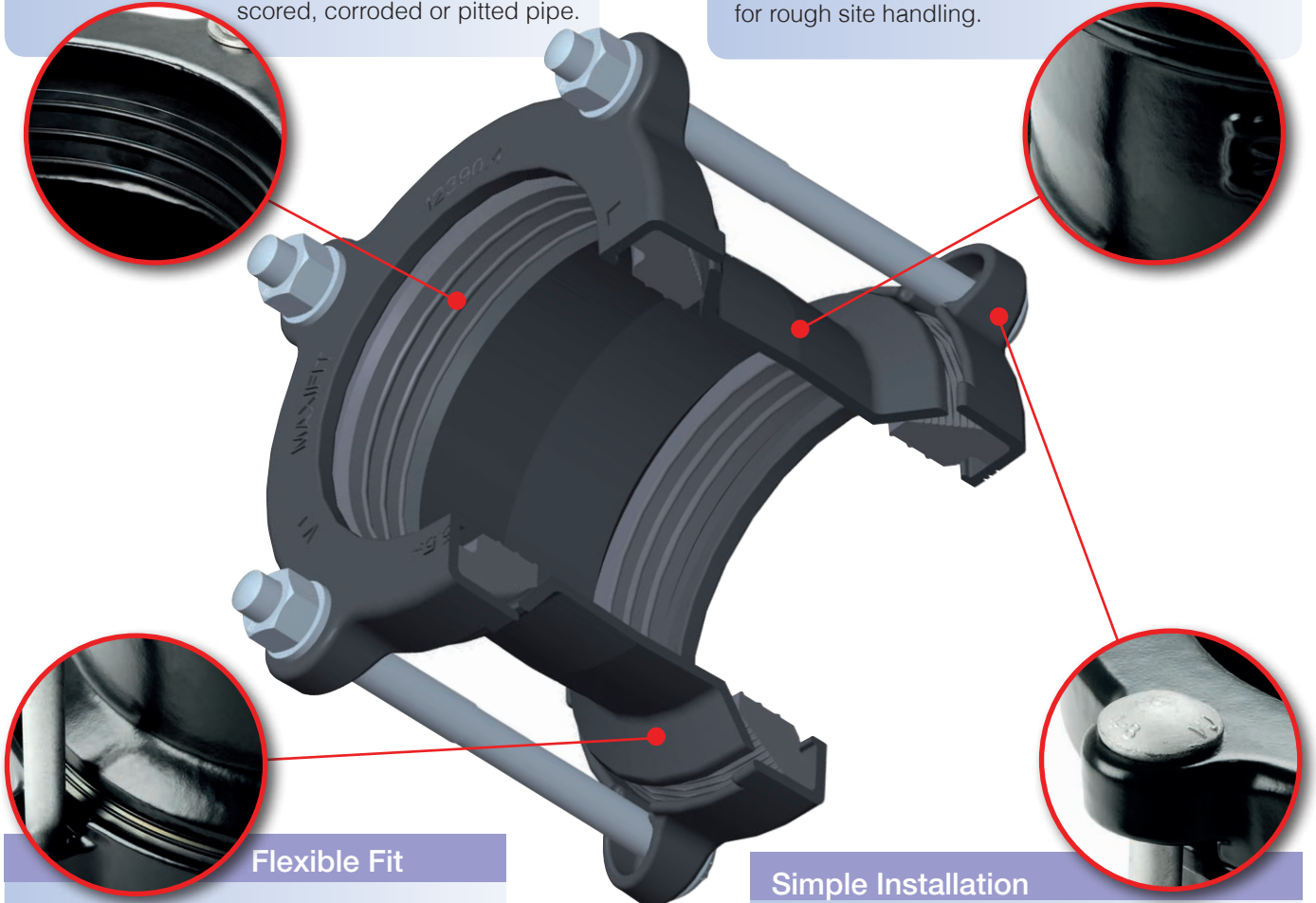
Product Design Benefits

Optimised Gasket Design

A unique gasket with distinctive circumferential ribs provides a 'slide easy' fit for maximum sealing on scored, corroded or pitted pipe.

Excellent Corrosion & Damage Resistance

Coated in black Rilsan Nylon 11 which is WRAS listed and has excellent resistance to impact, abrasion, weathering and chemicals. It also has good thermal stability and flexibility to accommodate for rough site handling.



Flexible Fit

Flared end to the sleeve forms a deep gasket chamber to give maximum possible pipe adjustment.

Simple Installation

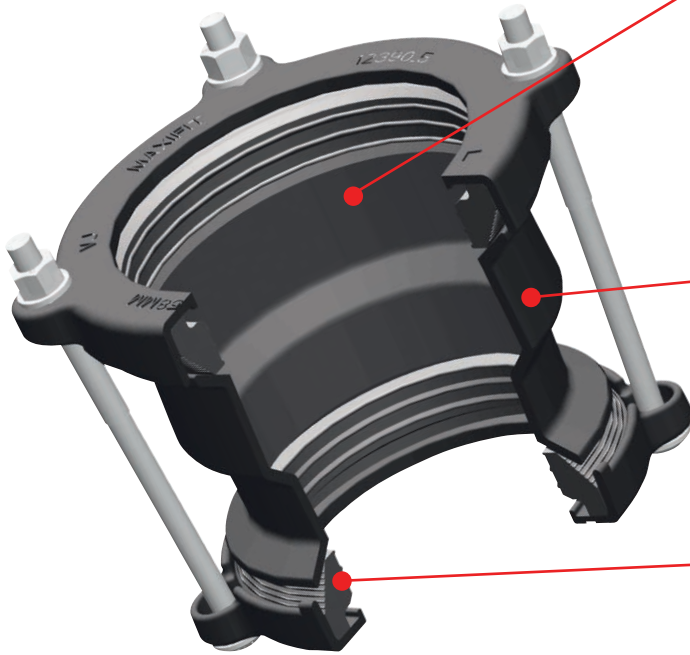
Captive, non-rotating bolt heads require just a torque wrench to install.

Customer Benefits

- ▶ Design life expectancy of 50 years, established by rigorous 'Accelerated Age Testing' which subjects product to working pressure at 80°C for 1000 hours.
- ▶ Wide tolerances permit lower stock holding.
- ▶ All models accommodate angularity between pipes which allows for normal pipeline movement caused by ground settlement. Couplings and reducing couplings allowing for 6° total angular deflection 3° total on the flange adaptors.
- ▶ A rigorous bolt torque test is completed to confirm that the bolt, end ring and adaptor body are capable of withstanding bolt over-tightening to 1.5 times maximum recommended torque.

MaxiFit, MaxiFit Xtra & MaxiStep

Product Design Benefits



Simple Installation

Available as standard and long sleeved versions, the MaxiFit Xtra simplifies the installation further, allowing for greater cutting tolerances and a greater pipe insertion depth - sealing beyond corrosion damaged pipe ends to create a safe and permanent repair.

Excellent Repair Product

MaxiStep reducing couplings are designed to provide transitions between pipes of different nominal bores simplifying installations when repairing old pipe with new.

Accommodates Pipe Movement

All models accommodate angularity between pipes which allows for normal pipeline movement due to ground settlement. Couplings and reducing couplings allow for 6° total angular deflection.

MaxiDaptor

Product Design Benefits

Ultimate Flexibility

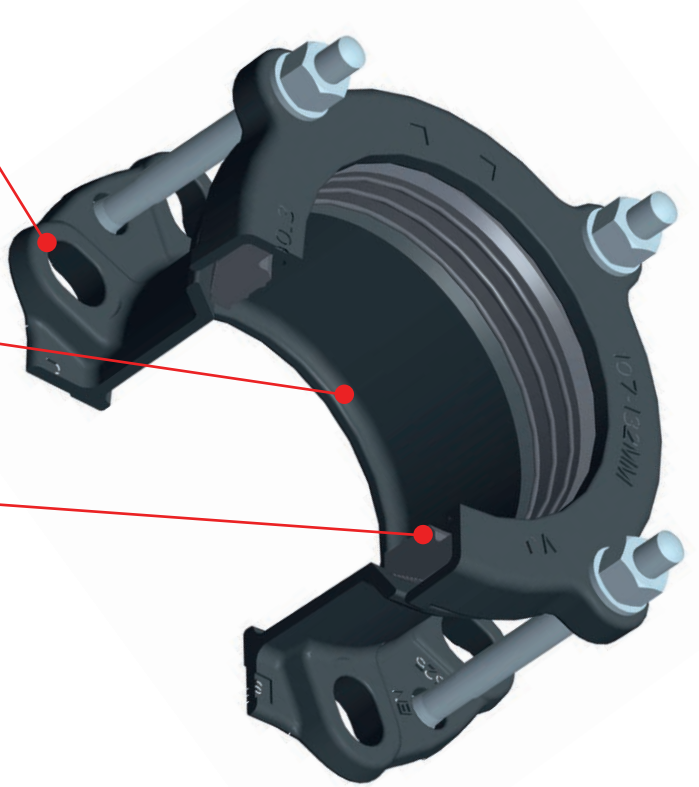
All cast flanges have multi drilling including; BS EN 1092-1, ISO 7005 1:1992, (PN10/16), BS10: 1962 (Table ADE), ANSI/AWWA.

Exceptional Sealing Capabilities

Flanges have an extended sealing face.

Accommodates Pipe Movement

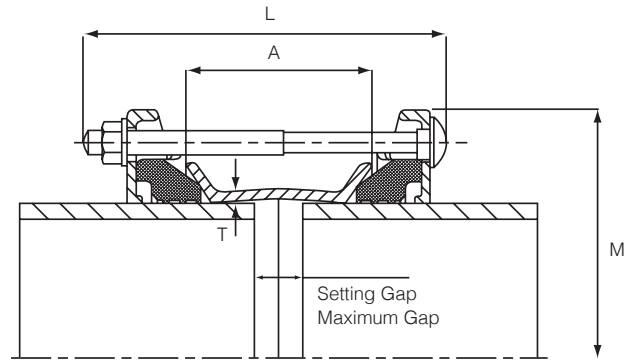
All models accommodate angularity between pipes which allows for normal pipeline movement caused by to ground settlement. Flange adaptors have a total angular deflection of 3°.



MaxiFit & MaxiFit Xtra Couplings & End Caps

Specifications

Working Pressure = 16bar (water)
6bar (gas)



Coupling

Coupling - Standard Sleeve (MaxiFit)

Vinidex Code EPDM A1 Fasteners	Vinidex Code EPDM A4 Fasteners	Nom Size (mm)	Size Range (mm)		Diameter (mm) M	Overall Length (mm) L	Sleeve Length x Thickness (A) x (T)	Setting Gap (mm)		Bolts No.-Dia x Length	Gasket Mould No.	Weight (kg)	MaxiCap Available	Max Threaded Outlet	MaxiFit Plus Available
			Min	Max				Min	Max						
57518	57452	DN40	47.9	59.5	149.5	190.0	100.0 x 4.5	20.0	40.0	2-M12 x 180	1637	3.1			
57519	57453	DN50	57.0	74.0	154.5	190.0	95.0 x 4.5	20.0	40.0	4-M12 x 180	12392/1	3.0	✓	1"	✓
57520	57454*	DN65	63.0	85.0	173.5	190.0	95.0 x 4.5	20.0	40.0	3-M12 x 180	12392/2	3.6	✓	1"	✓
57521	57455*	DN80	85.0	107.0	195.5	190.0	95.0 x 4.5	20.0	40.0	3-M12 x 180	12392/3	4.1	✓	2"	✓
57522	57456*	DN100	107.0	132.0	224.5	190.0	95.0 x 4.5	20.0	40.0	3-M12 x 180	12392/4	5.0	✓	2"	✓
57523	57457	DN125	132.0	158.0	254.5	190.0	95.0 x 5.0	20.0	40.0	4-M12 x 180	12392/6	6.1	✓	2"	✓
57524	57458	DN150	158.0	184.0	280.5	190.0	95.0 x 5.0	20.0	40.0	4-M12 x 180	12392/7	7.0	✓	2"	✓
57525	57459	DN175	189.0	212.0	306.5	230.0	130.0 x 5.0	25.0	50.0	4-M12 x 220	12392/9	9.4	✓	2"	
57526	57460	DN200	218.0	244.0	342.5	230.0	130.0 x 5.0	25.0	50.0	4-M12 x 220	12392/10	10.9	✓	2"	
57527	57461	DN225	243.0	269.0	367.5	230.0	130.0 x 5.0	25.0	50.0	6-M12 x 220	12392/11	12.4	✓	2"	
57528	57462	DN250	266.0	295.0	399.5	230.0	130.0 x 5.0	25.0	50.0	6-M12 x 220	12392/12	14.6	✓	2"	
57529	57463	DN300	315.0	349.0	462.5	230.0	130.0 x 5.0	25.0	50.0	8-M12 x 220	12392/14	19.4	✓	2"	

Coupling - Long Sleeve (MaxiFit Xtra)

59458	59469	DN50	57.0	74.0	154.5	285.0	200.0 x 5.5	20.0	140.0	4-M12 x 275	12392/1	4.6	✓	1"	
59459	59470	DN65	63.0	85.0	173.5	285.0	190.0 x 5.5	20.0	130.0	4-M12 x 275	12392/2	5.2	✓	1"	
59460	59471	DN80	85.0	107.0	195.5	285.0	200.0 x 5.5	20.0	140.0	4-M12 x 275	12392/3	6.3	✓	2"	
59461	59472	DN100	107.0	132.0	224.5	285.0	190.0 x 5.5	20.0	130.0	4-M12 x 275	12392/4	7.2	✓	2"	
59462	59473	DN125	132.0	158.0	254.5	285.0	190.0 x 6.0	20.0	130.0	4-M12 x 275	12392/6	9.0	✓	2"	
59463	59474	DN150	158.0	184.0	280.5	285.0	190.0 x 6.0	20.0	130.0	4-M12 x 275	12392/7	10.3	✓	2"	
59464	59475	DN175	189.0	212.0	306.5	285.0	190.0 x 6.0	25.0	110.0	4-M12 x 275	12392/9	12.1	✓	2"	
59465	59476	DN200	218.0	244.0	342.5	285.0	190.0 x 6.0	25.0	110.0	4-M12 x 275	12392/10	14.1	✓	2"	
59466	59477	DN225	243.0	269.0	367.5	350.0	250.0 x 6.0	25.0	165.0	6-M12 x 340	12392/11	18.6	✓	2"	
59467	59478	DN250	266.0	295.0	399.5	350.0	250.0 x 6.0	25.0	165.0	6-M12 x 340	12392/12	21.4	✓	2"	
59468	59479	DN300	315.0	349.0	462.5	350.0	240.0 x 6.0	25.0	155.0	8-M12 x 340	12392/14	27.0	✓	2"	

Materials & Relevant Standards

End Ring and Adaptor Body/Centre Sleeve

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

Gasket

EPDM compound Grade E to BS EN 681-1, Type WA, WC

Nitrile compound to Grade G BS EN 682, Type G

Tee Bolts/Bolts

Steel to BS EN ISO 898-1 Property Class 4.8

Bolt Torque/Spanner

Bolt torque 55-65Nm, Spanner size A/F 19mm

Nuts

Steel to BS EN 4190 Grade 4

Washers

Stainless Steel to BS 1449:Part 2 Grade 304S15 Standard

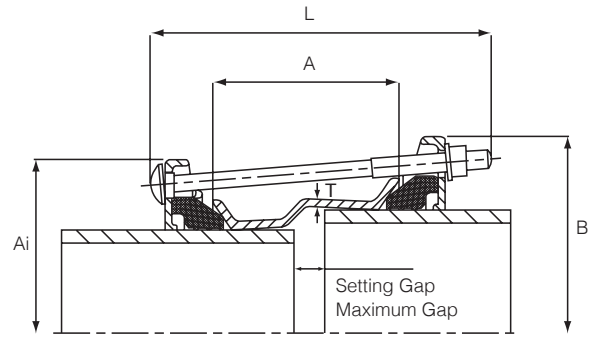
A1 - Sheraplex Coated Fasteners

A4 - 316 Stainless Steel Fasteners

MaxiStep Reducing Couplings

Specifications

Working Pressure = 16bar (water)
6bar (gas)



Reducing Coupling

Vinidex Code EPDM A1 Fasteners	Vinidex Code EPDM A4 Fasteners	Nom Size	Size Range (mm)				Diameter (mm)		Overall Length (mm)	Sleeve Length x Thickness (A) x (T)	Setting Gap (mm)		Bolts No.-Dia x Length	Gasket Mould No.		Weight (kg)
			Small End	Large End	Min	Max	Ai	B			Min	Max		Small End	Large End	
59965	59984	50/65	57.0	74.0	63.0	85.0	154.5	173.5	210.0	110.0 x 4.5	20.0	40.0	4-M12 x 200	12392/1	12392/2	3.5
59966	59985	50/80	57.0	74.0	85.0	107.0	154.5	195.5	210.0	110.0 x 4.5	20.0	40.0	4-M12 x 200	12392/1	12392/3	3.9
59967	59986	65/80	63.0	85.0	85.0	107.0	173.5	195.5	210.0	110.0 x 4.5	20.0	40.0	4-M12 x 200	12392/2	12392/3	4.2
59968	59987	80/100	85.0	107.0	107.0	132.0	195.5	224.5	210.0	110.0 x 4.5	20.0	40.0	4-M12 x 200	12392/3	12392/4	4.8
59969	59988	100/125	107.0	132.0	132.0	158.0	224.5	254.5	220.0	120.0 x 4.5	20.0	40.0	4-M12 x 210	12392/4	12392/6	6.2
59970	59989	125/150	132.0	158.0	158.0	184.0	254.5	280.5	220.0	120.0 x 5.0	20.0	40.0	4-M12 x 210	12392/6	12392/7	7.2
59971	59990	150/175	158.0	184.0	189.0	212.0	280.5	306.5	230.0	130.0 x 5.0	25.0	50.0	4-M12 x 220	12392/7	12392/9	8.8
59972	59991	175/200	189.0	212.0	218.0	244.0	306.5	342.5	230.0	130.0 x 5.0	25.0	50.0	4-M12 x 220	12392/9	12392/10	10.4
59973	59992	200/225	218.0	244.0	243.0	269.0	342.5	367.5	230.0	130.0 x 5.0	25.0	50.0	6-M12 x 220	12392/10	12392/11	12.2
59974	-	225/250	243.0	269.0	266.0	295.0	367.5	399.5	230.0	130.0 x 5.0	25.0	50.0	6-M12 x 220	12392/11	12392/12	13.7

Materials & Relevant Standards

End Ring and Adaptor Body/Centre Sleeve

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

Gasket

EPDM compound Grade E to BS EN 681-1, Type WA, WC
Nitrile compound to Grade G BS EN 682, Type G

Tee Bolts/Bolts

Steel to BS EN ISO 898-1 Property Class 4.8

Bolt Torque/Spanner

Bolt torque 55-65Nm, Spanner size A/F 19mm

Nuts

Steel to BS EN 4190 Grade 4

Washers

Stainless Steel to BS 1449:Part 2 Grade 304S15 Standard

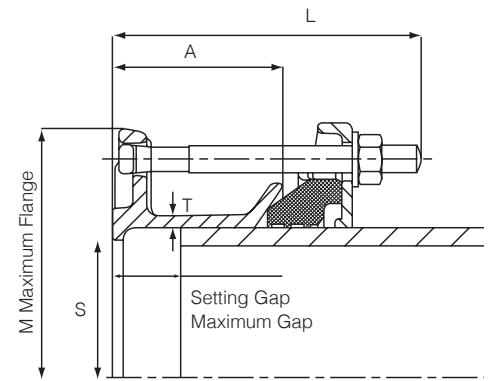
A1 - Sheraplex Coated Fasteners

A4 - 316 Stainless Steel Fasteners

MaxiDaptor Flange Adaptors

Specifications

Working Pressure = 16bar (water)
6bar (gas)



Flange Adaptor

Vinidex Code EPDM A1 Fasteners	Vinidex Code EPDM A4 Fasteners	Nom Size (mm)	Size Range (mm)		Dia. (mm)	Bores (mm)		Overall Length (mm)	Sleeve Length x Thickness (A) x (T)	Flange Drilling	Setting Gap (mm)		Bolts No.-Dia x Length	Gasket Mould No.	Weight (kg)	MaxiFit Plus Available
			Min	Max		M	S				Min	Max				
-	-	50	57.0	74.0	163.4	59.0	124.0	75.0 x 5.0	50 PN10:16, 2.5" BS10 Table ADE, 2" ANSI125	20.0	40.0	4-M12 x 115	12392/1	2.7		
59956	59975	65	63.0	85.0	196.9	75.0	124.0	75.0 x 5.0	60 PN10:16, 65 PN10:16, 80 PN10:16, 3" BS10 Table ADE, 2.5" ANSI125, 3" ANSI125 80 AS2129 CD, 80 AS4087 16	20.0	40.0	4-M12 x 115	12392/2	3.5	✓	
-	-	80	85.0	107.0	202.5	101.0	124.0	75.0 x 5.0	80 PN10:16, 3" ANSI125, 3.5" BS10 Table AD, 3.5" BS10 Table E	20.0	40.0	4-M12 x 115	12392/3	3.7	✓	
59957	59976	100	107.0	132.0	228.0	121.0	134.0	75.0 x 5.0	100 PN 10:16, 4" BS10 Table AD, 4" BS10 Table E, 4" AWWA C207 D, 100 AS2129 CD, 100 AS4087 16	20.0	40.0	4-M12 x 125	12392/4	4.4	✓	
59958	59977	125	132.0	158.0	281.5	150.0	134.0	75.0 x 5.0	125 PN10:16, 150 PN10:16 5" BS10 Table A, 5" BS10 Table DE, 6" BS10 Table A, 6" BS10 Table D, 6" BS10 Table E, 6" AWWA C207 D, 125 AS2129 CD, 150 AS2129 CD, 125 AS4087 16, 150 AS4087 16	20.0	40.0	4-M12 x 125	12392/6	5.6		
59959	59978	150	158.0	184.0	281.2	173.0	134.0	75.0 x 5.0	150 PN10:16, 6" BS10 Table A, 6" BS10 Table D, 6" AWWA C207 D, 150 AS4087 16, 150 AS2129 CD,	20.0	40.0	4-M12 x 125	12392/7	6.0		
59960	59979	175	189.0	212.0	336.5	202.0	133.0	75.0 x 5.0	200 PN10:16, 8" BS10 Table AD, 8" AWWA C207 D, 200 AS2129 CD, 200 AS4087 16	25.0	40.0	4-M12 x 125	12392/9	8.3		
59961	59980	200	218.0	244.0	337.8	225.0	134.0	75.0 x 5.0	200 PN10:16, 8" BS10 Table AD, 8" AWWA C207 D, 200 AS2129 CD	25.0	40.0	4-M12 x 125	12392/10	8.3		
59962	59981	225	243.0	269.0	401.5	252.0	144.0	85.0 x 5.0	250 PN10:16, 250 AS4087 16	25.0	50.0	6-M12 x 135	12392/11	10.9		
59963	59982	250	266.0	295.0	402.1	277.0	146.0	85.0 x 5.0	250 PN10:16, 250 AS4087 16	25.0	50.0	6-M12 x 135	12392/12	11.4		
59964	59983	300	315.0	349.0	457.8	329.0	155.0	100.0 x 5.0	300 PN10:16, 12" BS10 Table D, 300 AS2129 CD	25.0	60.0	6-M12 x 145	12392/14	14.8		

Materials & Relevant Standards

End Ring and Adaptor Body/Centre Sleeve

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

Gasket

EPDM compound Grade E to BS EN 681-1, Type WA, WC

Nitrile compound to Grade G BS EN 682, Type G

Tee Bolts/Bolts

Steel to BS EN ISO 898-1 Property Class 4.8

Bolt Torque/Spanner

Bolt torque 55-65Nm, Spanner size A/F 19mm

Nuts

Steel to BS EN 4190 Grade 4

Washers

Stainless Steel to BS 1449:Part 2 Grade 304S15 Standard

A1 - Sheraplex Coated Fasteners

A4 - 316 Stainless Steel Fasteners

United Kingdom - Lancashire

Hodder Aqueduct

MaxiStep Reducing Coupling - DN700

Project

Relining & Cleaning Scheme -
The 28 mile Hodder Aqueduct
was originally constructed in
1925 by Flyde Water Board
to supply water to Blackpool
from Stocks reservoir.

Client

United Utilities

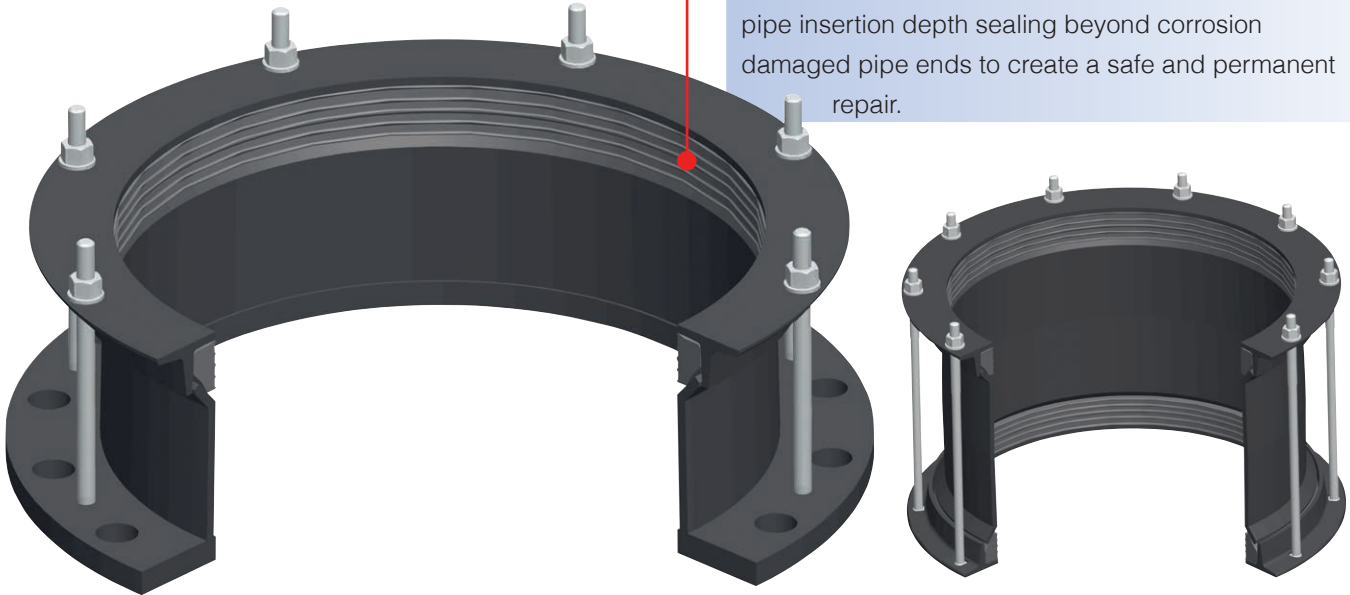


MaxiFit Large Diameter

Product Design Benefits

Simple to Fit

All Large Diameter MaxiFit, MaxiStep & MaxiDaptor products (DN350 – DN700) have a long sleeve length as standard; this is a major benefit to the installer, allowing for greater cutting tolerances and a greater pipe insertion depth sealing beyond corrosion damaged pipe ends to create a safe and permanent repair.



MaxiCap & MaxiThread End Cap

Product Design Benefits

Designed for testing and blanking off a pipe end, although the assembly must have suitable external support to prevent movement under pressure. Alternatively, the MaxiCap provides a connection between a plain ended and a threaded pipe.

Dual Purpose

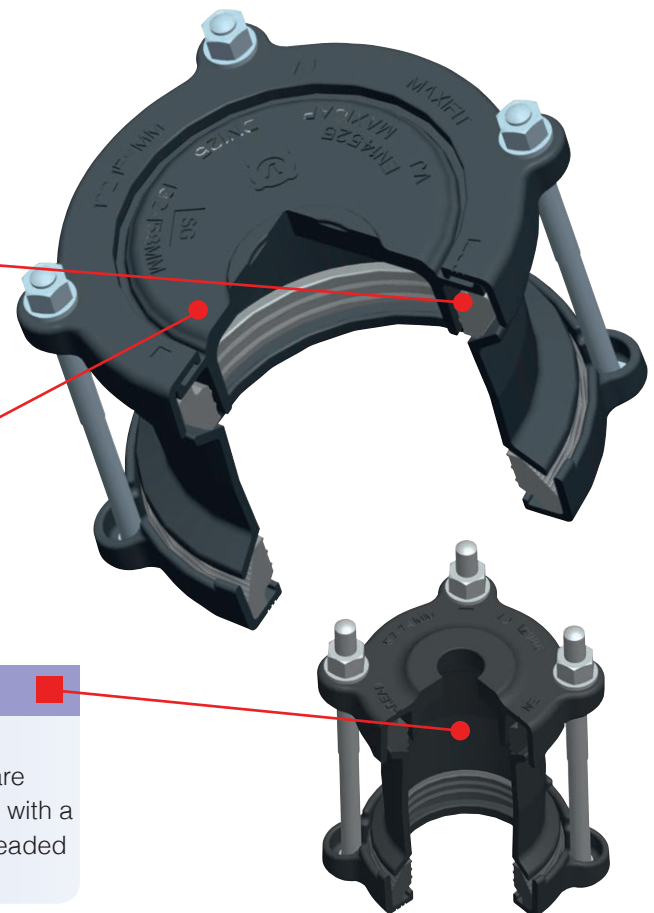
The MaxiCap end cap fits inside the end ring to the MaxiFit and can be drilled and tapped to form an outlet (up to 2" depending on size).

Enables Testing On-Site

Converts product to cap end for testing and blanking off (Although the assembly must have suitable external support to prevent movement under pressure).

Connects to Threaded Pipe

The MaxiThread threaded end cap is designed to provide a connection between plain-ended and threaded pipe. Outlets are available with 1", 1.25" and 1.5" BSP threads. It is constructed with a MaxiFit coupling body with one standard end ring and one threaded end ring.



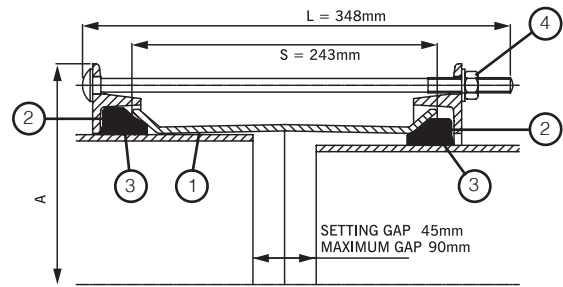
MaxiFit Large Diameter Couplings

Specifications

1 = Sleeve 2 = End Ring
3 = Gasket 4 = Bolts, Nuts & Washer

Working Pressure = 16bar (water)
6bar (gas)

Coupling



Vinidex Code EPDM A1 Fasteners	Vinidex Code EPDM A4 Fasteners	OD Range		Dimensions End Ring Diameter A (mm)	Gasket Mould No.	Bolts No.-Dia x Length	Weight (kg)
		Min (mm)	Max (mm)				
57530	57464	351.0	368.0	478.0	6002	8-M12 x 340	30.1
57531	57465	374.5	391.5	501.5	1659	8-M12 x 340	31.9
57532	57466	386.0	403.0	513.0	6035	8-M12 x 340	32.6
57533	57467	394.3	411.3	521.5	1766	8-M12 x 340	33.2
57534	57468	404.8	421.8	532.0	1767	8-M12 x 340	34.0
57535	57469	412.0	429.0	539.0	6023	10-M12 x 340	35.1
57536	57470	418.2	435.2	545.0	1784	8-M12 x 340	34.9
57537	57471	425.0	442.0	552.0	1662	8-M12 x 340	35.5
57538	57472	434.5	451.5	561.5	1768	10-M12 x 340	37.0
57539	57473	439.0	456.0	566.0	6036	10-M12 x 340	37.3
59931	57474	447.2	464.2	574.0	1769	10-M12 x 340	37.9
59932	57475	455.0	472.0	582.0	6003	10-M12 x 340	38.5
59933	57476	467.0	484.0	594.0	6073	10-M12 x 340	39.3
59934	57477	476.0	493.0	603.0	1770	10-M12 x 340	39.9
59935	57478	487.0	504.3	614.5	1771	10-M12 x 340	40.7
59936	57479	492.0	509.0	619.0	6037	10-M12 x 340	41.1
59937	57480	501.9	518.9	629.0	1772	10-M12 x 340	41.8
59938	57481	510.0	527.0	637.0	6004	10-M12 x 340	42.3
59939	57482	515.0	532.0	642.0	6024	10-M12 x 340	42.8
59940	57483	527.0	544.0	654.0	1773	12-M12 x 340	44.1
-	-	540.1	557.1	667.0	1774	10-M12 x 340	44.5
59941	57484	546.0	563.0	673.0	6038	12-M12 x 340	45.5
59942	57485	555.3	572.3	682.5	1775	12-M12 x 340	46.1
59943	57486	565.0	582.0	692.0	1776	12-M12 x 340	46.8
59944	57487	582.2	599.2	709.0	1777	12-M12 x 340	48.0
59945	57488	593.0	610.0	720.0	6021	12-M12 x 340	48.8
59946	57489	601.0	618.0	728.0	6020	12-M12 x 340	49.4
59947	57490	613.0	630.0	740.0	6019	12-M12 x 340	50.3
-	-	618.0	635.0	745.0	6025	12-M12 x 340	50.6
59948	57491	630.0	647.0	757.0	1778	14-M12 x 340	52.0
-	-	645.2	662.2	772.0	1779	14-M12 x 340	53.0
59949	57492	654.0	671.0	781.0	6039	14-M12 x 340	53.8
59950	57493	662.0	679.0	789.0	1780	14-M12 x 340	54.3
59951	57494	675.0	692.0	802.0	6005	14-M12 x 340	55.2
59952	57495	689.0	706.0	816.0	10511/49	14-M12 x 340	56.3
59953	57496	695.0	712.0	822.0	6063	14-M12 x 340	56.7
59954	57497	707.0	724.0	837.0	6075	14-M12 x 340	61.1
59955	57498	733.0	750.0	845.0	-	14-M12 x 340	62.3

Materials & Relevant Standards

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

Bolt Torque / Spanner

Bolt torque - 55-65Nm / **Spanner size** - A/F 19mm

Bolts, Nuts & Washer

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

Nuts - Steel to BS EN 4190 Grade 4

Washer - Stainless Steel to BS 1449:Part 2 Grade 304 S15

Coating

Sleeve & End Ring = Rilsan Nylon 11 to WIS 4-52-01 Part 1

Bolts & Nuts = Sheraplex to WIS 4-52-03

A1 - Sheraplex Coated Fasteners

A4 - 316 Stainless Steel Fasteners

MaxiStep Large Diameter Expanded Sleeve Stepped Couplings

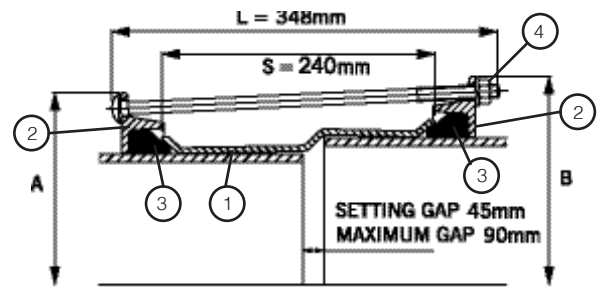
Specifications

1 = Sleeve 2 = End Ring

3 = Gasket 4 = Bolts, Nuts & Washer

Working Pressure = 16bar (water)
6bar (gas)

Expanded Sleeve Stepped Coupling



OD Range				Gasket Mould No.		Bolts No.-Dia x Length	Dimensions		Weight (kg)
Small End		Large End		Small End	Large End		End Ring Diameter (mm)		
Min (mm)	Max (mm)	Min (mm)	Max (mm)				Small End A	Large End B	
374.5	391.5	394.3	411.3	1659	1766	8-M12 x 340	501.5	521.5	32.1
374.5	391.5	404.8	421.8	1659	1767	8-M12 x 340	501.5	532.0	32.4
374.5	391.5	418.2	435.2	1659	1784	10-M12 x 340	501.5	545.0	33.1
386.0	403.0	412.0	429.0	6035	6023	10-M12 x 340	513.0	539.0	33.6
394.3	411.3	418.2	435.2	1766	1784	10-M12 x 340	521.5	545.0	34.1
404.8	421.8	418.2	435.2	1767	1784	10-M12 x 340	532.0	545.0	34.7
404.8	421.8	425.0	442.0	1767	1662	10-M12 x 340	532.0	552.0	34.8
425.0	442.0	434.5	451.4	1662	1768	10-M12 x 340	552.0	561.5	36.3
425.0	442.0	447.2	464.2	1662	1769	10-M12 x 340	552.0	574.0	36.5
425.0	442.0	455.0	472.0	1662	6003	10-M12 x 340	552.0	582.0	36.6
439.0	456.0	467.0	484.0	6036	6073	10-M12 x 340	566.0	594.0	37.8
455.0	472.0	467.0	484.0	6003	6073	10-M12 x 340	582.0	594.0	38.7
476.0	493.0	487.3	504.3	1770	1771	10-M12 x 340	603.0	614.5	40.1
476.0	493.0	501.9	518.9	1770	1772	10-M12 x 340	603.0	629.0	40.4
476.0	493.0	510.0	527.0	1770	6004	10-M12 x 340	603.0	637.0	40.5
492.0	509.0	510.0	527.0	6037	6004	10-M12 x 340	619.0	637.0	41.4
492.0	509.0	527.0	544.0	6037	1773	12-M12 x 340	619.0	654.0	42.2
501.9	518.9	527.0	544.0	1772	1773	12-M12 x 340	629.0	654.0	42.8
510.0	527.0	527.0	544.0	6004	1773	12-M12 x 340	637.0	654.0	43.1
527.0	544.0	540.1	557.1	1773	1774	12-M12 x 340	654.0	667.0	44.3
527.0	544.0	555.3	572.3	1773	1775	12-M12 x 340	654.0	682.5	44.6
527.0	544.0	566.5	583.5	1773	1776	12-M12 x 340	654.0	693.5	44.8
527.0	544.0	573.0	590.0	1773	6129	12-M12 x 340	654.0	700.0	44.9
527.0	544.0	582.2	599.2	1773	1777	12-M12 x 340	654.0	709.0	45.1
546.0	563.0	590.5	607.5	6038	6074	12-M12 x 340	673.0	717.5	46.3
598.0	615.0	630.0	647.0	6130	1778	14-M12 x 340	725.0	757.0	50.3
601.0	618.0	630.0	647.0	6020	1778	14-M12 x 340	728.0	757.0	50.4
601.0	618.0	645.2	662.2	6020	1779	14-M12 x 340	728.0	772.0	50.7
618.0	635.0	630.0	647.0	6025	1778	14-M12 x 340	745.0	757.0	51.3
630.0	647.0	645.2	662.2	1778	1779	14-M12 x 340	757.0	772.0	52.3
630.0	647.0	654.0	671.0	1778	6039	14-M12 x 340	757.0	781.0	52.4
630.0	647.0	662.0	679.0	1778	1780	14-M12 x 340	757.0	789.0	52.6
630.0	647.0	675.0	692.0	1778	6005	14-M12 x 340	757.0	802.0	52.8
654.0	671.0	710.0	727.0	6039	6075	14-M12 x 340	781.0	837.0	54.7
733.0	750.0	741.0	758.0	10511/46	10511/51	16-M12 x 340	860.0	868.0	60.1

Materials & Relevant Standards

Make Up Ring Sleeve

Mild Steel to BS EN 10025-2 Grade S275

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

Bolt Torque / Spanner

Bolt torque - 55-65Nm / **Spanner size** - A/F 19mm

Bolts, Nuts & Washer

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

Nuts - Steel to BS EN 4190 Grade 4

Washer - Stainless Steel to BS 1449:Part 2 Grade 304 S15

Coating

Sleeve & End Ring = Rilsan Nylon 11 to WIS 4-52-01 Part 1

Bolts & Nuts = Sheraplex to WIS 4-52-03

A1 - Sheraplex Coated Fasteners

A4 - 316 Stainless Steel Fasteners