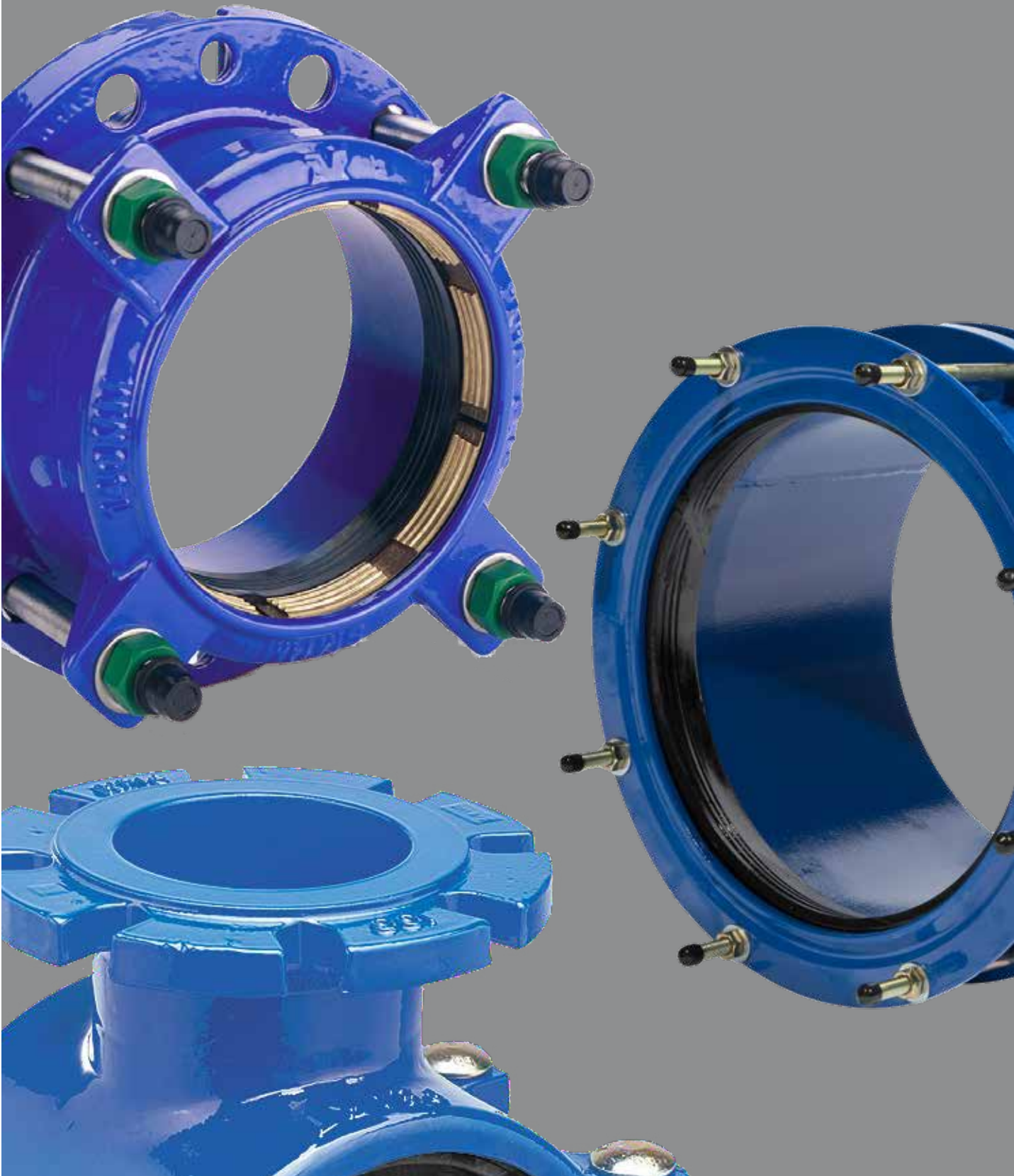


AVK FITTING SOLUTIONS



AVK FITTING
SOLUTIONS



Expect... **AVR**





AVK FITTING SOLUTIONS FOR WATER AND WASTE WATER



The AVK Group is one of the leading manufacturers of valves and fittings within the water, gas, waste water, industrial and fire protection industries worldwide and has 90 companies globally.

Our UK based factories manufacture a large range of valves, hydrants, pipe fittings and accessories, each complying with the highest standards of performance, safety and durability. Our UK manufactured valves and fittings are supplemented by an extensive range of products manufactured in other AVK companies located around the world as well as from a few key strategic supply partners. All products designed and manufactured by AVK UK exceed British Standard requirements.

While UK focus is on British Standards, AVK UK and the AVK Group also offers products in accordance with most national and international standards.

Product development and innovation

Market proximity is at the core of AVK's strategy and we value the importance of local customers being serviced by local sales organisations. Contact with and feed-back from the end-user enables close monitoring of the market to provide a pro-active continuous product development programme to meet requirements.

Ideas and suggestions from across the world are collated and controlled centrally in our advanced technology development centre in Denmark. Design, development and testing is carried out at our local manufacturing sites and, in co-operation with the end user, new products are field tested before the final market launch.

Not only do we achieve the best results in individual markets, each success is shared and applied throughout the group to give our customers the best market advantage.

For a more extensive guide of our product offering please visit our website

www.avkuk.co.uk



AVK Syddal, Hyde, Cheshire



AVK UK National Distribution Centre, Corby, Northamptonshire



AVK Aqua-Gas Manufacturing, Corby, Northamptonshire



AVK Fitting Solutions offer:

- Couplings – Universal, Dedicated and Tensile
- Flange Adaptors - Universal, Dedicated and Tensile
- Dismantling Joints - Dedicated
- Pipe Repair Products – Universal & Dedicated
- Under Pressure Tees - Universal

AVK is a leading manufacturer and supplier of a wide range of high quality, dedicated & tensile flange adaptors and couplings to suit the majority of pipeline materials for use in water and waste water applications from DN40 up to 1600. In addition AVK manufacture dismantling joints, under pressure tees, pipe repair products.

All products are manufactured within AVK group companies.

Emergency repair clamp service

AVK in the UK has a 24/7 emergency same day leak repair clamp service for water mains.

From our facility at Hyde we offer either a same day, next day, 2 to 3 day service or a delivery to suit your requirement, via our dedicated hot line:

24 hour emergency line 0800 202 8228

Site Solutions

AVK, through Invicta Valves now offer full Site Solutions to support our unrivalled water and waste water product range.

We provide all customer's needs ranging from inspection, site surveys, design, supply, installation, commissioning and maintenance. We even provide supplementary electrical and small civil engineering installation services when required. This service is supplied from 3 locations across the UK, for more information see page 89 in this brochure or contact us on:

T: +44 (0) 1622 754613
E: sitesolutions@invictavalves.co.uk

This brochure gives a technical overview of our extensive water and waste water fittings product range, however if you cannot see the product, size or standard that you require or would like information on training please contact us on:

Water sales office

+44 (0) 1604 601188
customerservice@avkuk.co.uk




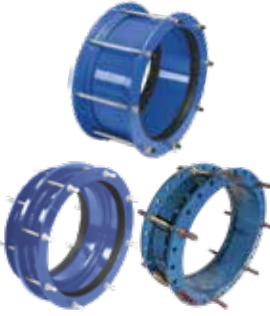
or visit our website

www.avkuk.co.uk

The gas fittings product range can be found in the Donkin Gas Valves and Fittings Solutions Brochure, available on our website.

FITTING SERVICE OPTIONS

**24/7 SAME DAY EMERGENCY
REPAIR CLAMP SERVICE
0800 202 8228**

PRODUCT TYPE		FAST AVAILABILITY	EXPRESS AVAILABILITY	EMERGENCY AVAILABILITY
	REPAIR CLAMPS GAS & WATER <ul style="list-style-type: none"> S202 Multi-band S206 Single-band ≤DN1200 	2 day	24 hour *	same day / within 24 hours
	STAINLESS STEEL TEES GAS & WATER <ul style="list-style-type: none"> S215 ≤DN300 branch S215 DN350+ branch 	≤DN300 = 2 day DN350+ = 3 day	24 hour *	same day / within 24 hours
	DUCTILE IRON CLAMPS & TEES GAS AND WATER DN80-300 <ul style="list-style-type: none"> S201 Leadless collar water only S253 Supa collars gas & water S257 Supa tees gas & water 	2 day	24 hour *	same day / within 24 hours
	FABRICATED FITTINGS FOR WATER DN350-1400 <ul style="list-style-type: none"> S258 Couplings S259 Stepped couplings S260 Flange adaptors S265 Dismantling joints 	5 day	≤DN1200 up to 24 hours* >DN1400 72 hr delivery	Hours from order S258 ≤ DN1200 up to 5hrs DN1400+ up to 72hrs S259 ≤ DN1200 up to 5hrs DN1400+ up to 72hrs S260 ≤ DN1200 up to 7hrs DN1400+ up to 72hrs S265/3 ≤ DN1200 up to 10hrs DN1400+ up to 72hrs

Note: All availability is ex-works *Orders placed by 10am

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AVK FITTING SOLUTIONS RANGE



COMPLETE RANGE OF HIGH QUALITY FITTINGS



AVK offers a wide range of universal and dedicated couplings, flange adaptors and end caps designed for easy installation.

The excellent corrosion protection and rubber quality ensure durable solutions.

Excellent corrosion protection

AVK products meet the standard UK requirements and conform to other international standards of effective corrosion protection. By virtue of our membership of GSK (Gütegemeinschaft Schwerer Korrosionsschutz), our entire coating process complies with RAL-GZ 662 guidelines and is being monitored and approved twice a year by the independent testing institute MPA-Hannover.

Automated monitoring during manufacture of time, temperature, coating thickness etc. ensures maximum durability of the coating.

State-of-the-art rubber technology

The rubber for the gaskets and seals is developed and produced by AVK GUMMI A/S with the use of highly advanced technologies.

The EPDM rubber composition is designed to minimise the building of biofilm to prevent the rubber from forming breeding ground for bacteria. The compound is also resistant to ozone and water treatment chemicals such as sodiumhypochlorite solutions.

Furthermore, AVK's EPDM rubber has a unique compression set, meaning the ability to regain original shape. Even after many years of service where the rubber has been compressed numerous times, it will regain its original shape and ensure a tight sealing.





SUPA® UNIVERSAL NON-TENSILE COUPLINGS



The AVK Supa® universal straight couplings, step couplings and flange adaptors are suitable for PVC, cast iron, ductile iron, steel GRP, concrete and AC pipes. The couplings range from DN40 to 400 and are suitable for water and wastewater applications.

With its wide tolerance span and $\pm 4^\circ$ angular deflection on each side the AVK Supa® range is a very flexible coupling system used for the assembly of pipes of various materials and repair of old piping systems.

- $\pm 4^\circ$ angular deflection on each side (total 8°).
- Drinking water approved EPDM gasket with moulded ribs absorbs minor imperfections in the pipe.
- The design with loose bolts prevents corrosion between sleeve and bolts.
- Ductile iron with epoxy coating according to DIN 30677-2 and AVK guidelines.
- WRAS Approved (where applicable)



Straight coupling



Step coupling



Flange adaptor

SUPA PLUS™ TENSILE COUPLINGS DEDICATED FOR PE AND PVC PIPES



AVK Supa Plus™ is a range of high quality couplings, flange adaptors and end caps in DN40-315 dedicated for PE and PVC pipes. The Supa Plus™ range is a strong supplement to AVK's renowned Supa® and Supa Maxi™ range and is suitable for water and wastewater applications.

Supa Plus™ couplings offer a great flexibility and are very easy to mount because of the combined compression gasket which enables a large angular deflection and makes it easy to insert the pipes.

- The combined gasket of drinking water approved EPDM rubber with tensile grip segments of RG5 bronze enables $\pm 3.5^\circ$ angular deflection on each side (total 7°)
- The design with external bolts prevents corrosion between sleeve and bolts.
- The M16 bolts of stainless steel A2 and the nuts of acid-resistant stainless steel A4 are anti-friction coated to offer easy tightening and to prevent galling.
- Combined gasket and tensile ring for maximum security.
- Sleeve and bracket of ductile iron with epoxy coating according to DIN 30677-2 and AVK guidelines.
- The couplings are delivered with tape securing the bolts during transport and handling. A mounting instruction is printed on the tape.
- WRAS Approved (where applicable)



Straight coupling



Flange adaptor



End cap



SUPA MAXI™ TENSILE UNIVERSAL RANGE



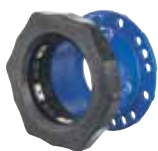
Supa Maxi™ is the latest addition to AVK's range of Supa® couplings. It comprises a complete range of large tolerance universal tensile straight couplings, step couplings, flange adaptors, end caps and transition couplings to EN 14525 for water and wastewater applications.

Supa Maxi™ sets a new standard with its unique features:

- Fully universal and tensile on all pipe materials
- Patented SupaGrip™ sealing support system with flexible bracket
- PN16 in all dimensions for water (WP -0,9 to 16 bar)
- $\pm 4^\circ$ (8° in total) angular deflection on each side, even at minimum pipe size
- The pipe will not move inwards when tightening - no longitudinal movement
- Permanent protection caps protect during handling and installation
- Bolts are tightened on the bolt head from the sleeve side
- No re-tightening of bolts needed
- Lifting eye on sizes with a weight exceeding 10 kilos (DN100-400)
- Fusion bonded epoxy coating to DIN 30677-2, GSK approved
- Gasket of EPDM rubber approved for drinking water/NBR approved for gas
- Temperature range -20°C to $+70^\circ\text{C}$
- The gate valve provides extra safety when repairing old pipes. With a built-in gate valve it is easy to shut-off the water in case of further repair or replacement of the pipeline at a later stage.
- WRAS Approved (where applicable)



Straight coupling



Flange adaptor



Step coupling



End cap



Transition coupling

Before tightening



After tightening



The patented SupaGrip™ sealing support system features a flexible bracket, and combined with the unique grip design, SupaGrip™ provides superior tightness and tensile resistance on all pipe dimensions and materials.

Flexible bracket with rigid metal backup

SupaGrip™ provides full support and backup of the gasket, even on minimum pipe size within the tolerance range and when used on oval pipes.

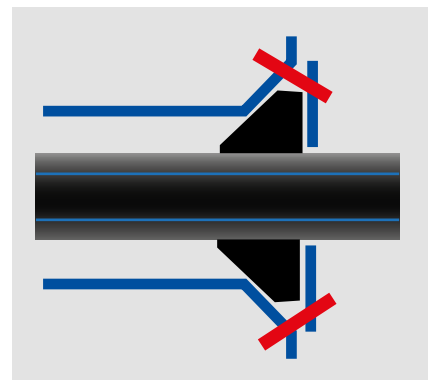
The flexible bracket is designed to contract and follow the external pipe diameter. As a result, it serves as a solid backup for the gasket and enables full deflection up to 1.5 x PN test pressure.

When tightening the bolts, the bracket segments and bolts move inwards, ensuring that the gasket tightens around the pipe and that the grip segments grip into the pipe surface.

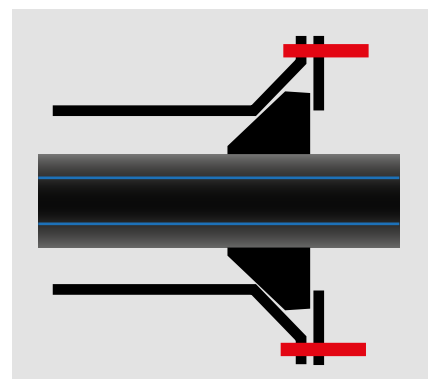
Tensile on all pipe materials

Optimum grip and tensile abilities on all pipe materials are secured by means of two different metal grip segments - gunmetal for PE and PVC pipes and hardened stainless steel for cast iron, ductile iron, steel, stainless steel, GRP, and AC pipes. The couplings are designed according to EN 14525.

The grip segments are mounted with pins on the bracket segments to provide maximum durability. The high quality materials safeguard that the sealing does not lose compression over time, and that the coupling stays tensile.



Supa Maxi™



Typical coupling



OPTIMISED HANDLING AND INSTALLATION

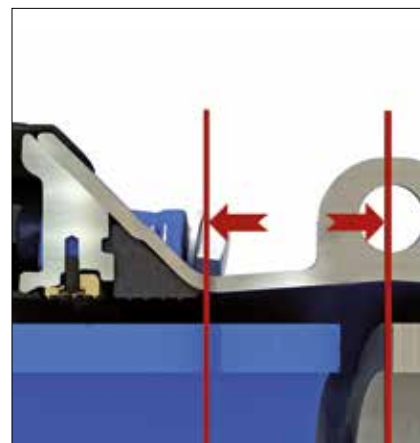
AVK Supa Maxi™ couplings and adaptors offer maximum flexibility, facilitating a secure, fast and easy installation even under difficult conditions.

Reduce time spent on installation

The couplings enable $\pm 4^\circ$ deflection on each side (in total 8°) up to a maximum pressure of PN16.

The large insertion depth tolerances allow the pipe to be cut slightly angled. This gives a simple installation without need for precise adjustment.

All items with a weight exceeding 10 kilos are designed with a lifting eye on the sleeve enabling easy and ergonomically safe handling.





Optimised bolt design

The bolt design is optimised for fast and simple assembly. The bolts are tightened from the sleeve side to ease assembly when space in the trench is limited, and the threads are protected by the permanent protection cap.

The nuts are encaptured in the bracket and covered by a protection cap to ensure that they will not fall off when loosening the bolts. Re-tightening of bolts is not necessary due to the all metal SupaGrip™ sealing support system. The bolts and nuts are anti-friction coated to prevent galling.

Permanent protection cap

During handling the centre piece of the protection cap covers the sharp grip segments and prevents dirt from settling inside the coupling. When the centre piece is removed the coupling is ready for installation.

High quality materials

The couplings are designed with sleeves of ductile iron and brackets of cast steel with epoxy coating to DIN 30677-2, GSK / WRAS approved.

The gaskets of EPDM rubber are approved by NF and DVGW for drinking water applications and the gaskets of NBR rubber are approved by DVGW and Gastec.

The bolts and washers are of stainless steel A2 as standard and optionally of A4. The nuts are of acid-resistant stainless steel A4.

The grip segments are of RG5 bronze and hardened stainless steel, mounted with pins of polyamide.

The permanent protection caps of recyclable PE are black for water and wastewater applications and yellow for gas applications.





COMBI-FLANGES FOR PE, PVC, DUCTILE IRON AND STEEL PIPES



AVK's combi-flange system comprises tensile combi-flanges for PE, PVC and ductile iron pipes in DN50-300 as well as non-tensile combi-flanges for PVC, ductile iron and steel pipes in DN50-600. The combi-flanges are suitable for water and wastewater applications.

A lot of great features

- Up to $\pm 3.5^\circ$ deflection of the pipe is possible even in tensile installations.
- The design features a flexible positioning and chamfering of the pipe.
- The pipe will not move inwards during installation which helps securing a tight connection.
- The EPDM rubber seals are approved for drinking water applications and are resistant to water treatment chemicals.
- The flanges are coated according to DIN 30677-2 and AVK guidelines.
- WRAS Approved (See product pages)

Also suitable for Bi-PVC pipes

The tensile combi-flange for PE/PVC features a wide stainless steel tension ring that offers full tensile resistance for all types of PE and PVC pipes, and even thin wall Bi-PVC pipes.

The rubber sealing for both tensile and non-tensile combi-flanges have a special lip profile that provides hydraulic sealing. It also minimizes the compression on the pipe and thus prevents deformation of thin wall Bi-PVC pipes.

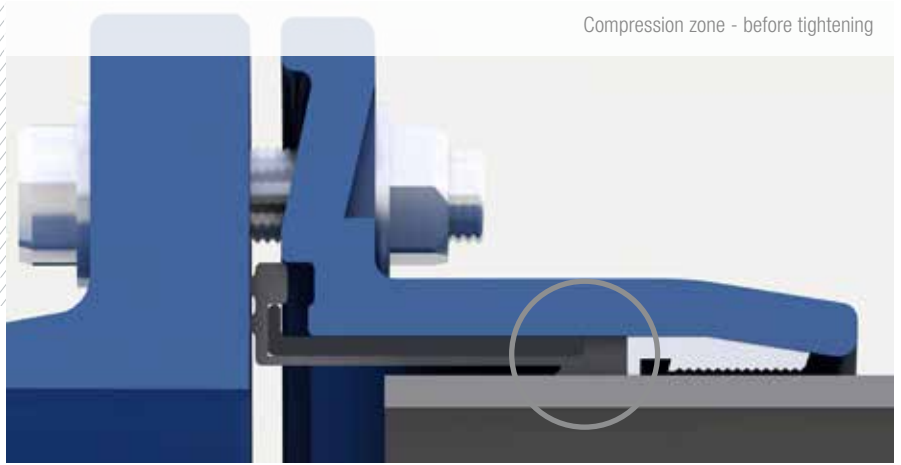
A complete unit, with or without bolts

The flange and sealing are delivered as a complete unit in DN50-300 in all four versions and are available complete with bolts on request. For larger dimensions and for steel pipes the flange and the non-tensile sealing for ductile iron or PVC are to be ordered separately.

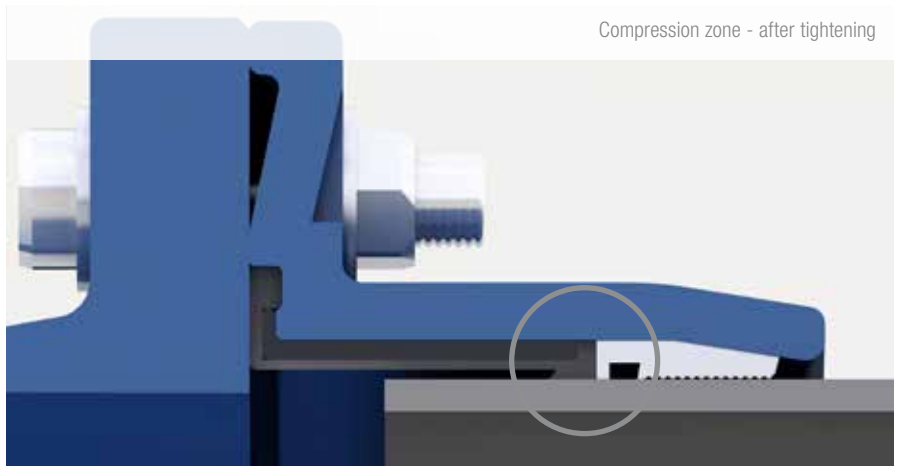
Support bush for PE and Bi-PVC pipes

For PE pipes in all dimensions and Bi-PVC pipes in DN250 / 280 and DN300 / 315 a support bush must be used. This is recommended by pipe manufacturers to prevent slow deformation of the pipe.





Compression zone - before tightening



Compression zone - after tightening

Large pipe deflection possible

Combi-flanges are typically used for connecting two pipes with a flanged valve in between, and often the pipes are positioned out of level.

The barrel shaped rubber sealing allows for a significant pipe deflection of up to $\pm 3.5^\circ$ even in the tensile installations. Consequently, combi-flanges provide great flexibility without compromising with tightness.

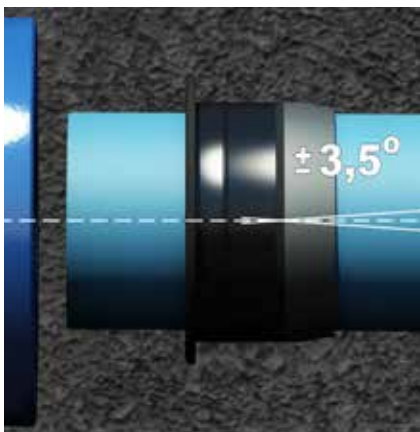
Flexible positioning of the pipe

It is possible to retract the pipe end up to 50mm from the combi-flange gasket face, as long as it is positioned within the buffer zone. The large buffer zone makes it easy to install the combi-flange, as there is no need for accurate adjustments.

It also allows easy pipe chamfering, which means that a pipe cut unevenly or out of angle does not cause any problems, as long as it stays within the buffer zone. The buffer zone is clearly marked on the seals.

No horizontal pipe movement

The combi-flange sealing features a narrow compression zone which secures fast compression when tightening the bolts. The rubber sealing will always tighten around the pipe before the tensile ring grips into the pipe surface, which prevents longitudinal movement.





FABRICATED NON-TENSILE DEDICATED COUPLINGS AND FLANGE ADAPTORS



AVK's range of fabricated fittings comprises non-tensile straight couplings, step couplings and flange adaptors in DN350-1600. The range is suitable for ductile and grey cast iron, steel, PVC and GRP pipes for water and wastewater applications.

AVK fabricated couplings and adaptors are designed to facilitate the joining of pipe of matching or differing outside diameter (OD) or for fitting flanged equipment into pipeline systems.

The AVK fabricated fittings range is highly versatile where any pipe OD or flange variant can be accommodated within the range.

The sealing arrangement allows a tolerance of 7mm ensuring that minor deviations in OD can be accommodated. Angular deflection per seal end is +4 mm < DN600, +3 mm < DN800, +2 mm < DN1600.

Increased coating thickness and a range of fastener options including A2 and A4 stainless steel are available for more aggressive installation environments. All materials are certified as suitable for use with potable water.

WRAS Approved (See product pages)



Straight coupling



Step coupling



Flange adaptor



UNIVERSAL DISMANTLING JOINTS FOR ALL PIPE MATERIALS



AVK dismantling joints provide easy installation and disassembly of flanged pipework and equipment and compensate for axial displacement of the pipe during installation and dismantling. The range is available in DN50-2200 in PN10 and 16, and optionally PN25.

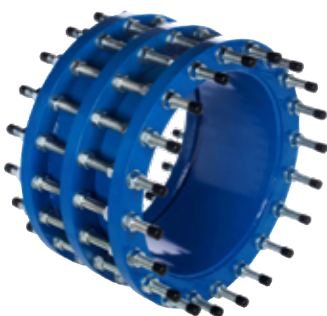
The dismantling joint compensates for axial displacement of the pipe during installation and dismantling, as the telescopic action between the inner and outer flange body allows for longitudinal adjustment.

The standard axial adjustment of $\pm 60\text{mm}$ offers a high level of flexibility in the installation and removal of flanged equipment for either maintenance or replacement. Larger adjustments can be accommodated if required.

As with the other AVK fabricated fitting range, the dismantling joints are highly versatile in design where different flange and fastener options are available as well as enhanced coatings.

The AVK dismantling joints are manufactured from mild steel in DN300-2200 and ductile iron in DN50-250. All materials are certified for use with potable water.

WRAS Approved (See product pages)



With centre flange





COUPLINGS AND ADAPTORS

JOINING PLAIN END PIPES OF THE SAME MATERIAL - STRAIGHT COUPLINGS



SERIES	601	621	631	258
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Product Description	Universal Supa® Coupling	Dedicated Supa Plus™ Tensile Coupling	Universal Supa Maxi™ Tensile Coupling	Fabricated Dedicated Coupling
Range	DN40 - 400	DN40 - 315	DN40 - 400	DN350 - 1600
End Restraint	No	Yes	Yes	No
Pipe Material				
Polyethylene		•	•	
PVC	•	•	•	•
Ductile iron pipe	•		•	•
Cast iron class AB	•		•	•
Cast iron class CD	•		•	•
GRP	•		•	•
Steel pipe	•		•	•
Stainless Steel pipe	•		•	•
Clay	•		•	•
Concrete	•		•	•
Asbestos Cement	•		•	•

NOTE:

- **601, 258** - Couplings are not designed for end load (Tensile) applications, in the event that these products require restraining, additional external restraint must be sort or alternative product used.
- **621** - 16 Bar dependant on support bush used.
- Suitable for use on 304 & 316 stainless steel pipe with a 2mm wall thickness.
- Insulation essential for temperatures of 0°C and below.
- Option for stainless steel bolts.

Technical pages	21	22	23	24
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PRODUCT SELECTOR



SERIES TYPE	601	621	631
			
DESCRIPTION	<p>AVK UNIVERSAL COUPLING</p>	<p>AVK TENSILE RESISTANT COUPLING</p>	<p>AVK SUPAMAXI™ STRAIGHT COUPLING</p>
APPLICATION	<p>For use with water and waste water</p>	<p>For use with water and waste water</p>	<p>For use with water and waste water</p>
MAIN FEATURES	<ul style="list-style-type: none"> • Lightweight design • Corrosion resistant construction • Fusion bonded epoxy coating • Wide tolerances • Geomet coated bolt sets • Total angular deflection across fitting of $\pm 4^\circ$ • EPDM seals 	<ul style="list-style-type: none"> • Lightweight design • Corrosion resistant construction • Fusion bonded epoxy coating • Angular deflection $\pm 3.5^\circ$ per pocket • Stainless steel bolt sets • Series 05 internal support bush required, See pg 25 	<ul style="list-style-type: none"> • Ductile iron sleeve • Cast steel bracket with epoxy coating • GSK approved internally and externally • Max $\pm 4^\circ$ angular deflection. • DVGW and NF approved EPDM rubber gasket • A2 stainless steel bolts and washers • A4 stainless steel nuts • Lifting eye DN100-400 • Series 05 internal support bush required only when installing PE pipe, See pg 45
MAIN OPTIONS	<ul style="list-style-type: none"> • Stainless steel bolt sets* • Sheraplex® coating bolt option <p>*All stainless steel bolts and nuts are coated with delta seal GZ anti-friction coating.</p>		<ul style="list-style-type: none"> • Gunmetal grip segment for use with PE & PVC • Internal support bush • NBR seal option • Other fixing material options
SIZE	<p>DN40 - 400</p>	<p>DN32 - 315</p>	<p>DN50 - 400</p>
MAX WORKING PRESSURE	<p>PN16</p>	<p>PN16</p>	<p>PN16</p>
TEMPERATURE RANGE	<p>-10°C to +70°C</p>	<p>-10°C to +70°C</p>	<p>-20°C to +70°C</p>
BODY MATERIAL	<p>Ductile Iron GGG-40/50</p>	<p>Ductile Iron GGG-40/50</p>	<p>Ductile Iron GJS-400-15</p>
APPLICABLE STANDARDS	<p>WIS 4-52-01 WIS 4-52-03 BS EN 14525 BS 8561 EN 681-1 Reg 31 compliant</p>	<p>WIS 4-52-01 WIS 4-52-03 WIS 4-24-01 BS EN 12842 EN 681-1 BS 8561 Reg 31 compliant</p>	<p>WIS 4-24-01 WIS 4-21-02 WIS 4-52-01 BS 8561 EN 14525 Reg 31 compliant</p>

PRODUCT SELECTOR

SERIES TYPE

258



DESCRIPTION

AVK FABRICATED COUPLING

APPLICATION

For use with water and waste water

MAIN FEATURES

- Can be fabricated in any size, within the design range
- Corrosion resistant construction
- Short lead times
- EPDM seals
- Fusion bonded epoxy coating
- Sealing range nominal diameter +2mm to -5mm
- Sheraplex® coated bolt sets

MAIN OPTIONS

- Special sizes manufactured to order
- Bolts and nuts zinc plated and passivated stainless steel
- Fast track delivery service
- Body length options
- Coating thickness
- 2-24 notch / tie bar options

SIZE

DN350 - 1600

MAX WORKING PRESSURE

PN16/25

TEMPERATURE RANGE

-10°C to +70°C

BODY MATERIAL

Mild Steel
BS EN 10025:1990, Grade FE 430 B

APPLICABLE STANDARDS

WIS 4-21-02
WIS 4-24-01
WIS-4-52-01
Reg 31 compliant



TECHNICAL INFORMATION

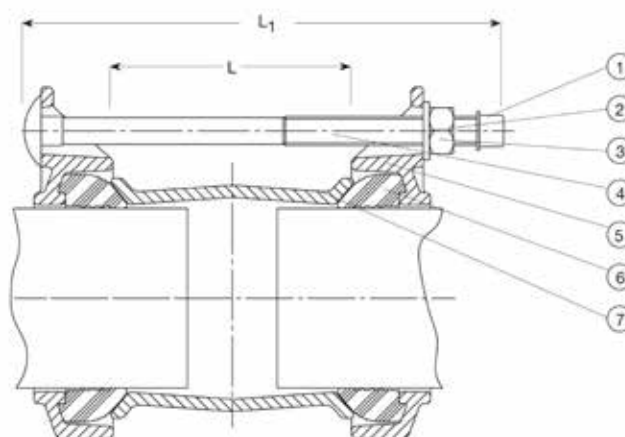
Series 601/A-006 Straight Supa® Universal Coupling



Reference Number	DN	Sealing Range L1		L	Angular Deflection	No of Bolts & Bolt Size		Weight
	mm	Min	Max	mm		Kg		
601-063000-4-200	40	46	63	100	±4°	2	M12x190	2.9
601-074000-4-200	50	57	74	100	±4°	2	M12x190	2.9
601-085000-4-200	65	68	85	100	±4°	4	M12x190	3.9
601-106000-4-200	80	84	106	100	±4°	4	M12x190	4.9
601-119000-4-200	100	99	119	100	±4°	4	M12x190	5.2
601-133000-4-200	100	109	133	100	±4°	4	M12x190	5.5
601-157000-4-200	125	132	157	100	±4°	4	M12x190	6.5
601-183000-4-200	150	157	183	115	±4°	4	M12x210	7.5
601-201000-4-200	150	176	201	115	±4°	4	M12x210	9.0
601-215000-4-200	175	193	215	115	±4°	4	M12x210	9.4
601-242000-4-200	200	218	242	140	±4°	4	M12x230	11.3
601-268000-4-200	225	242	268	140	±4°	6	M12x230	13.4
601-292000-4-200	250	266	292	160	±4°	6	M12x250	15.5
601-306000-4-200	250	280	306	160	±4°	6	M12x250	16.0
601-327000-4-200	300	301	327	160	±4°	6	M12x250	16.4
601-350000-4-200	300	324	350	160	±4°	6	M12x250	16.5
601-378000-4-200	350	352	378	160	±4°	8	M12x270	19.9
601-396000-4-200	350	372	396	160	±4°	8	M12x270	20.3
601-410000-4-200	350	384	410	160	±4°	8	M12x270	21.1
601-436000-4-200	400	410	436	160	±4°	8	M12x270	21.8
601-462000-4-200	400	436	462	160	±4°	8	M12x270	23.5

Materials of Construction

No.	Description	Material
1	Washer	Hardened steel zinc plated & passivated
2	Nuts	Steel, grade 8 Geomet coated
3	Gland rings	Ductile iron, GGG-40/50 to BS EN 1563
4	Bolts	Steel, grade 8 Geomet coated
5	Central sleeve	Ductile iron, GGG-40/50 to BS EN 1563
6	Rubber seals	EPDM to BS EN 681-1
7	Coating	Blue fusion bonded epoxy - WRAS approved
	Domed caps	Plastic



TECHNICAL INFORMATION

Series 621/41-001 Supa Plus™ Dedicated Tensile Coupling

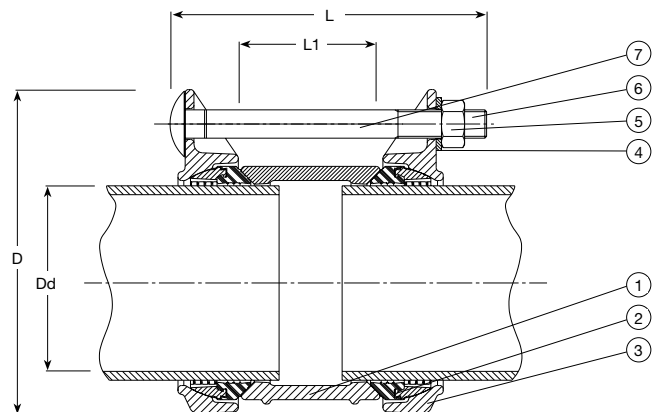


Reference Number	PIPE OD	SDR Rating ¹				D	L	L1	Angular Deflection	Number of Bolts	Bolt Size	Weight
	Dd	11	17	21	26							Kg
	mm					mm	mm	mm				
621-10-040-41001	40	√	√	√	√	150	150	60	±3.5°	2	M16	3.8
621-10-050-41001	50	√	√	√	√	156	150	60	±3.5°	2	M16	2.8
621-10-063-41001	63	√	√	√	√	170	150	60	±3.5°	2	M16	4.3
621-10-075-41001	75	√	√	√	√	180	160	70	±3.5°	2	M16	4.0
621-10-090-41001	90	√	√	√	√	200	160	70	±3.5°	2	M16	5.0
621-10-110-41001	110	√	√	√	√	220	175	78	±3.5°	4	M16	6.5
621-10-125-41001	125	√	√	√	√	240	175	78	±3.5°	4	M16	8.0
621-10-140-41001	140	√	√	√	√	254	185	88	±3.5°	4	M16	9.0
621-10-160-41001	160	√	√	√	√	276	185	88	±3.5°	4	M16	9.1
621-10-180-41001	180	√	√	√	√	286	245	110	±3.5°	4	M16	13.0
621-10-200-41001	200	√	√	√	√	318	210	110	±3.5°	6	M16	13.0
621-10-225-41001	225	√	√	√	√	342	260	110	±3.5°	6	M16	19.0
621-10-250-41001	250	√	√	√	√	374	260	110	±3.5°	6	M16	27.0
621-10-280-41001	280	√	√	√	√	390	260	110	±3.5°	6	M16	30.0
621-10-315-41001	315	√	√	√	√	440	320	168	±3.5°	6	M16	36.0

¹ AVK supply different Series 05/E-008 Pipe Support Bushes for each SDR rating.

Materials of Construction

No.	Description	Material
1	Sleeve	Ductile iron GJS-400-12 (GGG-40)
2	Combined gasket	NF approved EPDM rubber/RG5 bronze
3	Bracket	Ductile iron GJS-400-12 (GGG-40)
4	Washer	Stainless steel A2
5	Nut	Acid resistant stainless steel A4
6	Cap	Plastic
7	Square neck bolt	Stainless steel A2



Series 631

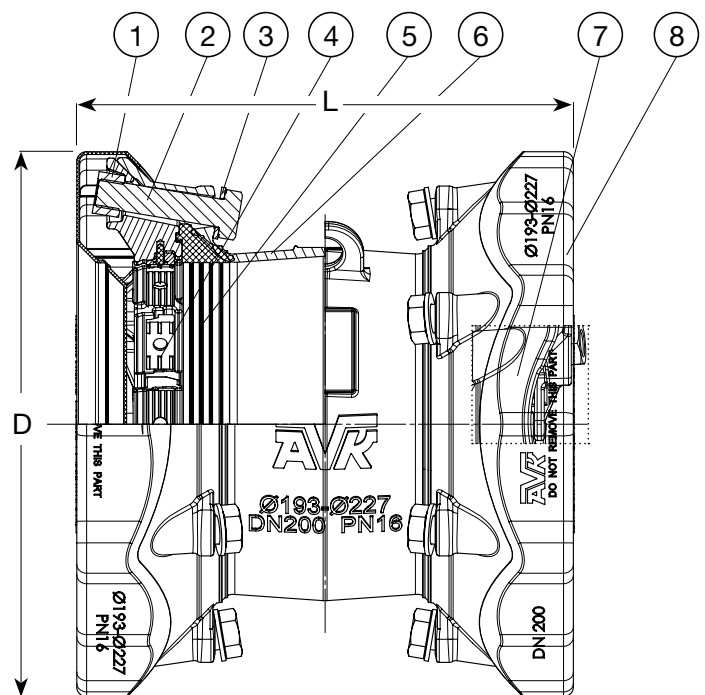
Supa Maxi™ Universal Tensile Coupling



Reference Number	DN	Sealing Range T		L	Angular Deflection	D	Weight
	mm	Min	Max	mm		mm	Kg
631-071-00-6	50	48	71	255	±4°	200	6.0
631-091-00-6	65	69	91	265	±4°	226	7.0
631-106-00-6	80	82	106	268	±4°	235	7.5
631-133-00-6	100	104	133	289	±4°	268	11.0
631-161-00-6	125	132	161	277	±4°	285	13.0
631-188-00-6	150	159	188	314	±4°	340	16.0
631-227-00-6	200	193	227	354	±4°	389	25.0
631-257-00-6	225	224	257	390	±4°	437	37.0
631-301-00-6	250	266	301	381	±4°	301	35.0
631-356-00-6	300	314	356	438	±4°	545	45.0
631-442-00-6	400	392	442	526	±4°	661	91.0

Materials of Construction

No.	Description	Material
1	Nuts	Acid resistant stainless steel, A4
2	Bolt	Stainless steel, A2
3	Washer	Stainless steel, A2
4	Grip segment	Gunmetal RG5 & stainless steel
5	Gasket	DVGW/NF approved EPDM rubber
6	Sleeve	Ductile iron GJS-450 (GGG-45)
7	Bracket	Cast steel
8	Protection cap	Recyclable PE



TECHNICAL INFORMATION

Series 258/30 Straight Dedicated Fabricated Coupling



Reference Number	DN	OD	Pipe Material	L	H3 & W	Angular Deflection	No of Bolts and Size		Weight
	Inch/mm			mm					Kg
258-30-0355-YZ	14"	355.6	Steel	270	466	±8°	8	M12	25.0
258-30-0406-YZ	16"	406.4	Steel	270	516	±8°	8	M12	29.0
258-30-0457-YZ	18"	457.2	Steel	270	567	±8°	10	M12	32.0
258-30-0508-YZ	20"	508	Steel	270	618	±8°	10	M12	35.0
258-30-0609-YZ	24"	610	Steel	270	720	±8°	10	M12	41.0
258-30-0711-YZ	28"	711	Steel	270	821	±6°	12	M12	48.0
258-30-0812-YZ	32"	812.8	Steel	270	923	±6°	12	M12	54.0
258-30-0914-YZ	36"	914.4	Steel	270	1024	±4°	14	M12	60.0
258-30-1016-YZ	40"	1016	Steel	270	1126	±4°	14	M12	67.0
258-30-1220-YZ	48"	1220	Steel	270	1330	±2°	16	M12	79.0
258-30-0378-YZ	350	378	Ductile	270	486	±8°	8	M12	29.0
258-30-0429-YZ	400	429	Ductile	270	539	±8°	8	M12	30.0
258-30-0480-YZ	450	480	Ductile	270	590	±8°	10	M12	33.0
258-30-0532-YZ	500	532	Ductile	270	642	±8°	10	M12	37.0
258-30-0635-YZ	600	635	Ductile	270	745	±8°	10	M12	43.0
258-30-0738-YZ	700	738	Ductile	270	848	±6°	12	M12	49.0
258-30-0842-YZ	800	842	Ductile	270	923	±6°	12	M12	54.0
258-30-0945-YZ	900	945	Ductile	270	1055	±4°	14	M12	62.0
258-30-1048-YZ	1000	1048	Ductile	270	1158	±4°	14	M12	68.0
258-30-1255-YZ	1200	1255	Ductile	270	1365	±2°	16	M12	81.0
258-30-1462-YZ	1400	1462	Ductile	400	1572	±2°	18	M12	98.0
258-30-0387-YZ	14" AB	387	Cast Iron	270	497	±8°	8	M12	27.0
258-30-0399-YZ	14" CD	399.3	Cast Iron	270	509	±8°	8	M12	27.0
258-30-0439-YZ	16" AB	439	Cast Iron	270	549	±8°	8	M12	31.0
258-30-0453-YZ	16" CD	453.1	Cast Iron	270	563	±8°	8	M12	32.0
258-30-0492-YZ	18" AB	492	Cast Iron	270	602	±8°	10	M12	34.0
258-30-0508-YZ	18" CD	506.9	Cast Iron	270	617	±8°	10	M12	35.0
258-30-0545-YZ	20" AB	545	Cast Iron	270	655	±8°	10	M12	37.0
258-30-0560-YZ	20" CD	560.3	Cast Iron	270	670	±8°	10	M12	38.0
258-30-0650-YZ	24" AB	650	Cast Iron	270	760	±8°	10	M12	44.0
258-30-0677-YZ	24" CD	667	Cast Iron	270	777	±8°	10	M12	45.0
258-30-0729-YZ	27" AB	729	Cast Iron	270	839	±6°	12	M12	49.0
258-30-0747-YZ	27" CD	747	Cast Iron	270	857	±6°	12	M12	50.0
258-30-0807-YZ	30" AB	807	Cast Iron	270	917	±6°	12	M12	53.0
258-30-0826-YZ	30" CD	826	Cast Iron	270	936	±6°	12	M12	55.0
258-30-0964-YZ	36" AB	964	Cast Iron	270	1074	±4°	14	M12	63.0
258-30-0985-YZ	36" CD	985	Cast Iron	270	1095	±4°	14	M12	64.0
258-30-1121-YZ	42" AB	1121	Cast Iron	270	1231	±4°	14	M12	73.0
258-30-1143-YZ	42" CD	1143	Cast Iron	270	1253	±4°	14	M12	74.0
258-30-1277-YZ	48" AB	1277	Cast Iron	270	1387	±2°	16	M12	82.0
258-30-1300-YZ	48" CD	1300	Cast Iron	400	1410	±2°	16	M12	84.0

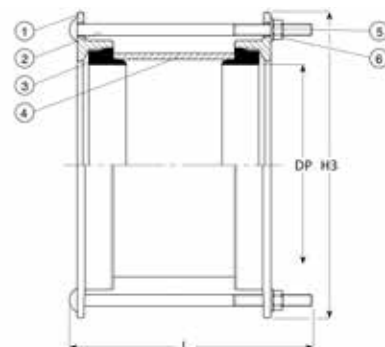
When ordering: ST = Steel /PVC DI = Ductile Iron AB = Cast Iron CD = Cast Iron

Bolts: Z = 0 for Zinc plated and passivated 2 for A2 stainless steel 3 for A4 stainless steel 6 for sheraplex

Sizes 1600+ are available on application Pressure class Y = 1 for PN16 2 for PN25

MATERIALS OF CONSTRUCTION

No.	Description	Material
1	Washer	Hardened steel zinc plated & passivated
2	Nuts	Steel, grade 8 sheraplex® coated
3	Gland rings	Ductile iron, GGG-40/50 to BS EN 1563
4	Bolts	Steel, grade minimum 8.8, sheraplex®
5	Central sleeve	Ductile iron, GGG-40/50 to BS EN 1563
6	Rubber seals	EPDM to BS EN 681-1
	Coating	Blue fusion bonded epoxy - WRAS approved







COUPLINGS AND ADAPTORS

JOINING PLAIN END PIPE OF DIFFERENT DIAMETERS OR MATERIALS - STEPPED COUPLINGS



SERIES	602	632	259
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Product Description	Universal Stepped Supa® Coupling	Universal Supa Maxi™ Tensile Coupling	Fabricated Stepped Coupling
Range	DN40 - 400	DN50 - 300	DN350 - 1400
End Restraint	No	Yes	No
Pipe Material			
Polyethylene		•	
PVC	•	•	•
Ductile iron pipe	•	•	•
Cast iron class AB	•	•	•
Cast iron class CD	•	•	•
GRP	•	•	•
Steel pipe	•	•	•
Stainless Steel pipe	•	•	•
Clay	•	•	•
Concrete	•	•	•
Asbestos Cement	•	•	•

NOTE: • **602 and 259** - Couplings are not designed for end load (Tensile) applications, in the event that these products require restraining, additional external restraint must be sort or alternative product used.

Technical pages	28	29	30 - 31
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PRODUCT SELECTOR



SERIES TYPE	602/1	632	259/30
			
DESCRIPTION	<p>AVK UNIVERSAL STEPPED COUPLING</p>	<p>AVK SUPAMAXI™ STEPPED COUPLING</p>	<p>AVK FABRICATED STEPPED COUPLING</p>
APPLICATION	<p>For use with water and waste water</p>	<p>For use with water and waste water</p>	<p>For use with water and waste water</p>
MAIN FEATURES	<ul style="list-style-type: none"> • Extensive 'step' range • Corrosion resistant construction • Fusion bonded epoxy coating • Wide tolerances • Total angular deflection across fitting $\pm 4^\circ$ • Sheraplex® coated bolt sets • Lightweight design • EPDM seals 	<ul style="list-style-type: none"> • Ductile iron sleeve • Cast steel bracket with epoxy coating • GSK approved internally and externally • Max $\pm 4^\circ$ angular deflection. • DVGW and NF approved EPDM rubber gasket • A2 stainless steel bolts and washers • A4 stainless steel nuts • Lifting eye DN100-400 • Series 05 internal support bush required only when installing PE pipe, See pg 45 	<ul style="list-style-type: none"> • Can be fabricated in any size, within the design range • Corrosion resistant construction • Short lead times • Sheraplex® coated fasteners • EPDM seals • Fusion bonded epoxy coating • Sealing range nominal diameter +2mm to -5mm <p>Suitable only for cc-GRP (centrifugally cast glass reinforced polyester) and turned end pipes.</p>
MAIN OPTIONS	<ul style="list-style-type: none"> • Stainless steel bolt sets (Series 602/4)* <p>*All stainless steel bolts and nuts are coated with delta seal GZ anti-friction coating.</p>	<ul style="list-style-type: none"> • Gunmetal grip segment for use with PE & PVC • Internal support bush • NBR seal option • Other fixing material options 	<ul style="list-style-type: none"> • Special sizes manufactured to order • Stainless steel, A2, A4, fasteners • Fast track delivery service • Body length options • Coating thickness
SIZE	<p>DN40 - 400</p>	<p>DN50 - 300</p>	<p>DN350 - 1400+</p>
MAX WORKING PRESSURE	<p>PN16</p>	<p>PN16</p>	<p>PN16/25</p>
TEMPERATURE RANGE	<p>-10°C to +70°C</p>	<p>-20°C to +70°C</p>	<p>-10°C to +70°C</p>
BODY MATERIAL	<p>Ductile Iron GGG-40/50</p>	<p>Ductile Iron GJS-400-15</p>	<p>Mild Steel BS EN 10025:1990, Grade FE 430 B</p>
APPLICABLE STANDARDS	<p>WIS 4-21-02 WIS 4-52-01 WIS 4-52-03 BS EN 14525 BS EN 681-1 BS 8561 Reg 31 compliant</p>	<p>WIS 4-21-02 WIS 4-14-01 WIS 4-52-01 EN 14525 BS 8561 Reg 31 compliant</p>	<p>WIS-4-52-01 Reg 31 compliant</p>

TECHNICAL INFORMATION

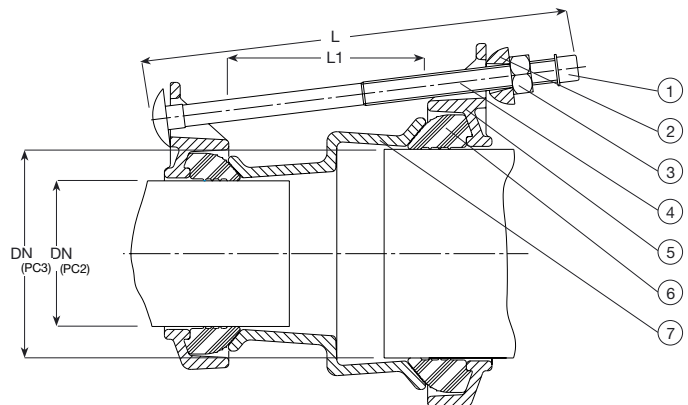
Series 602 Step Universal Coupling



Reference Number	DN	Sealing Range D1		Sealing Range D2		L	L1	Angular Deflection	No of Bolts & Bolt Size		Weight
	mm	Min	Max	Min	Max	mm	mm		Kg		
602-063074-4-100	40 - 50	46	63	57	74	210	100	±4°	2	M12x210	3.2
602-063084-4-100	40 - 65	46	63	68	85	210	100	±4°	4	M12x210	4.2
602-074085-4-100	50 - 65	57	74	68	85	210	100	±4°	4	M12x210	4.2
602-074106-4-100	50 - 80	57	74	84	106	210	100	±4°	4	M12x210	4.5
602-085106-4-100	65 - 80	68	85	84	106	210	100	±4°	4	M12x210	4.9
602-106119-4-100	80 - 100	84	106	99	119	210	100	±4°	4	M12x210	5.3
602-106133-4-100	80 - 100	84	106	109	133	210	100	±4°	4	M12x210	5.3
602-119133-4-100	80 - 100	99	119	109	133	210	100	±4°	4	M12x210	5.6
602-119157-4-100	80 - 125	99	119	132	157	210	100	±4°	4	M12x210	6.4
602-133157-4-100	100 - 125	109	133	132	157	210	100	±4°	4	M12x210	7.2
602-133183-4-100	100 - 150	109	133	157	183	230	115	±4°	4	M12x230	7.4
602-157183-4-100	125 - 150	132	157	157	183	230	115	±4°	4	M12x230	7.7
602-157183-4-100	150 - 150	157	183	176	201	230	115	±4°	4	M12x230	10
602-201215-4-100	150 - 175	176	201	193	215	230	115	±4°	4	M12x230	9.6
602-201242-4-100	150 - 200	176	201	218	242	250	140	±4°	4	M12x250	14
602-215242-4-100	175 - 200	193	215	218	242	250	140	±4°	4	M12x250	11
602-215268-4-100	175 - 200	193	215	242	268	250	140	±4°	6	M12x250	16
602-242268-4-100	200 - 225	218	242	242	268	250	140	±4°	6	M12x250	14
602-268292-4-100	225 - 250	242	268	266	292	270	160	±4°	6	M12x270	15
602-292306-4-100	250 - 250	266	292	280	306	270	160	±4°	6	M12x270	20
602-292327-4-100	250 - 300	266	292	301	327	270	160	±4°	6	M12x270	20
602-327350-4-100	300 - 300	301	327	324	350	270	160	±4°	6	M12x270	17
602-327378-4-100	300 - 350	301	327	352	378	270	160	±4°	8	M12x270	19
602-350378-4-100	300 - 350	324	350	352	378	270	160	±4°	8	M12x270	20
602-378396-4-100	350 - 350	352	378	372	396	270	160	±4°	8	M12x270	26
602-396410-4-100	350 - 350	372	396	384	410	270	160	±4°	8	M12x270	26
602-410436-4-100	350 - 375	384	410	410	436	270	160	±4°	8	M12x270	22
602-436462-4-100	375 - 400	410	436	436	462	270	160	±4°	8	M12x270	23

Materials of Construction

No.	Description	Material
1	Washer	Hardened steel zinc plated & passivated
2	Nuts	Steel, grade 8 sheraplex® coated
3	Gland rings	Ductile iron, GGG-40/50 to BS EN 1563
4	Bolts	Steel, grade minimum 8.8, sheraplex®
5	Central sleeve	Ductile iron, GGG-40/50 to BS EN 1563
6	Rubber seals	EPDM
	Coating	Blue fusion bonded epoxy - WRAS approved



Series 632

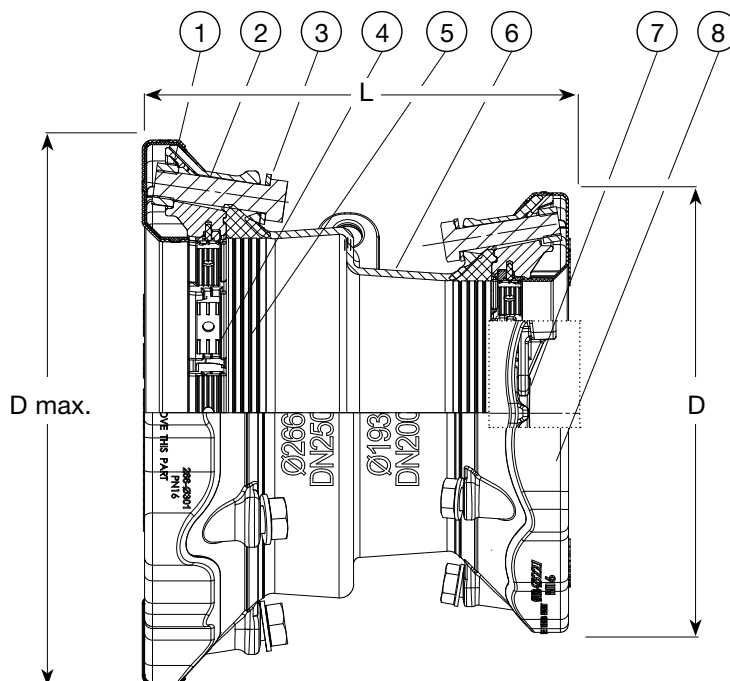
Supa Maxi™ Universal Tensile Stepped Coupling



Reference Number	DN	Sealing Range - T		Sealing Range - T2		L	Angular Deflection	D	D (MAX)	Weight
	mm	Min	Max	Min	Max			mm	mm	
632-071-091-006	50 - 65	48	71	69	91	294	±4°	200	226	6.5
632-071-106-006	50 - 80	48	71	82	106	296	±4°	200	235	7.0
632-091-106-006	65 - 80	69	91	82	106	294	±4°	226	235	7.5
632-106-133-006	80 - 100	82	106	104	133	305	±4°	235	268	10.0
632-133-161-006	100 - 125	104	133	132	161	305	±4°	268	285	13.0
632-133-188-006	100 - 150	104	133	159	188	322	±4°	268	340	14.0
632-161-188-006	125 - 150	132	161	159	188	321	±4°	285	340	15.0
632-188-227-006	150 - 200	159	188	193	227	356	±4°	340	389	21.0
632-188-257-006	150 - 225	159	188	224	257	374	±4°	340	437	27.0
632-227-257-006	200 - 225	193	227	224	257	389	±4°	389	437	32.0
632-227-301-006	200 - 250	193	227	266	301	386	±4°	389	476	32.0
632-257-301-006	225 - 250	224	257	266	301	396	±4°	437	476	36.0
632-301-356-006	250 - 300	266	301	314	356	437	±4°	476	545	42.0

Materials of Construction

No.	Description	Material
1	Nut	Acid resistant stainless steel, A4
2	Bolt	Stainless steel, A2
3	Washer	Stainless steel, A2
4	Grip segment	Gunmetal RG5 & stainless steel
5	Gasket	EPDM
6	Sleeve	Ductile iron GJS-450 (GGG-45)
7	Bracket	Cast steel
8	Protection cap	Recyclable PE



TECHNICAL INFORMATION

Series 259/30-001 Fabricated Step Coupling



Reference Number	Pipe A	Pipe B	Sealing Dia		W	L	Angular Deflection	No of Bolts and Size		Weight
	Inch/mm		DD2	DD1	mm					Kg
259-3-X-0378-0356	350DI	14"ST	378.0	355.6	470	326	±8°	8	M12	36
259-3-X-0387-0356	14"AB	14"ST	387.0	355.6	502	326	±8°	8	M12	43
259-3-X-0387-0378	14"AB	350DI	387.0	378.0	502	326	±8°	8	M12	42
259-3-X-0379-0356	14"CD	14"ST	399.0	355.6	514	326	±8°	8	M12	45
259-3-X-0399-0378	14"CD	350DI	399.0	378.0	514	326	±8°	8	M12	43
259-3-X-0429-0406	400DI	16"ST	429.0	406.4	521	326	±6°	8	M12	42
259-3-X-0439-0406	16"AB	16"ST	439.0	406.4	554	326	±6°	8	M12	49
259-3-X-0439-0429	16"AB	400DI	439.0	429.0	554	326	±4°	8	M12	47
259-3-X-0453-0406	16"CD	16ST	453.0	406.4	568	326	±4°	8	M12	51
259-3-X-0453-0429	16"CD	400DI	453.0	429.0	568	326	±4°	8	M12	50
259-3-X-0480-0457	450DI	18ST	480.0	457.2	572	326	±8°	8	M12	46
259-3-X-0492-0457	18"AB	18"ST	492.0	457.2	607	326	±8°	10	M12	52
259-3-X-0472-0480	18"AB	450DI	492.0	480.0	607	326	±8°	10	M12	52
259-3-X-0507-0457	18"CD	18"ST	507.0	457.2	622	326	±8°	10	M12	51
259-3-X-0507-0480	18"CD	450DI	507.0	480.0	622	326	±8°	10	M12	55
259-3-X-0532-0508	500DI	20"ST	532.0	508.0	650	326	±6°	10	M12	58
259-3-X-0545-0508	20"AB	20"ST	545.0	508.0	660	326	±6°	10	M12	61
259-3-X-0545-0532	20"AB	500DI	545.0	532.0	660	326	±4°	10	M12	68
259-3-X-0560-0508	20"CD	20"ST	560.0	508.0	675	326	±4°	10	M12	63
259-3-X-0560-0532	20"CD	500DI	560.0	532.0	675	326	±4°	10	M12	61
259-3-X-0635-0610	600DI	24"ST	635.0	609.6	725	326	±4°	10	M12	60
259-3-X-0650-0610	24"AB	24"ST	650.0	609.6	765	326	±8°	10	M12	77
259-3-X-0650-0635	24"AB	600DI	650.0	635.0	765	326	±8°	12	M12	68
259-3-X-0667-0610	24"CD	24"ST	667.0	609.6	941	326	±8°	12	M12	68
259-3-X-0667-0635	24"CD	600DI	667.0	635.0	782	326	±8°	12	M12	72
259-3-X-0729-0711	27"AB	28"ST	729.0	711.2	844	326	±8°	12	M12	77
259-3-X-0738-0711	700DI	28"ST	738.0	711.2	826	326	±8°	12	M12	69
259-3-X-0738-0729	700DI	27"AB	738.0	729.0	844	326	±8°	12	M12	73
259-3-X-0747-0711	27"CD	28"ST	747.0	711.2	862	326	±8°	12	M12	81
259-3-X-0747-0738	27"CD	700DI	747.0	738.0	862	326	±8°	12	M12	77
259-3-X-0813-0807	32"ST	30"AB	812.8	807.0	922	326	±8°	12	M12	81
259-3-X-0826-0813	30"CD	32"ST	826.0	812.8	941	326	±6°	12	M12	85
259-3-X-0842-0807	800DI	30"AB	842.0	807.0	922	326	±6°	12	M12	75
259-3-X-0842-0813	800DI	32"ST	842.0	812.8	928	326	±6°	12	M12	77
259-3-X-0842-0826	800DI	30"CD	842.0	826.0	941	326	±6°	12	M12	80
259-3-X-0945-0914	900DI	36"ST	945.0	914.4	1029	326	±4°	14	M12	85
259-3-X-0964-0914	36"AB	36"ST	964.0	914.4	1079	326	±4°	14	M12	100
259-3-X-0964-0945	36"AB	900DI	964.0	945.0	1079	326	±4°	14	M12	100
259-3-X-0985-0914	36"CD	36"ST	985.0	914.4	1100	326	±4°	14	M12	112
259-3-X-0985-0945	36"CD	900DI	985.0	945.0	1100	326	±4°	14	M12	106
259-3-X-1048-1016	1000DI	40"ST	1048.0	1016.0	1131	356	±4°	14	M12	94
259-3-X-1121-1016	42"AB	40"ST	1121.0	1016.0	1236	356	±4°	14	M12	135
259-3-X-1121-1048	42"AB	1000DI	1121.0	1048.0	1236	356	±4°	14	M12	128
259-3-X-1143-1016	42"CD	40"ST	1143.0	1016.0	1258	356	±4°	14	M12	143
259-3-X-1143-1048	42"CD	1000DI	1143.0	1048.0	1258	356	±4°	14	M12	136
259-3-X-1255-1220	1200DI	48"ST	1255.0	1220.0	1334	356	±4°	16	M12	110
259-3-X-1277-1220	48"AB	48"ST	1277.0	1222.0	1392	356	±4°	16	M12	142
259-3-X-1277-1255	48"AB	1200DI	1277.0	1255.0	1392	356	±4°	16	M12	134
259-3-X-1300-1220	48"CD	48"ST	1300.0	1220.0	1416	356	±4°	16	M12	151
259-3-X-1300-1255	48"CD	1200DI	1300.0	1255.0	1416	356	±4°	16	M12	141



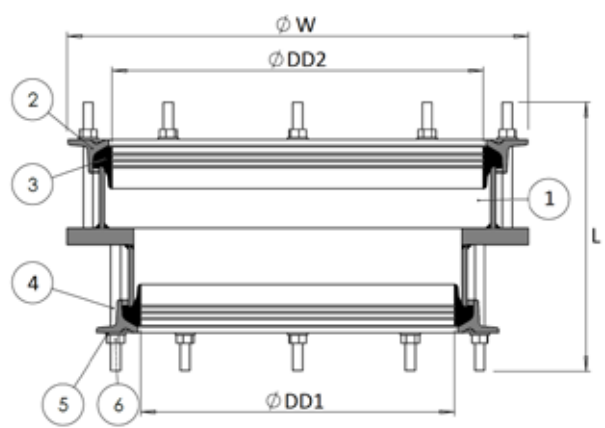
Series 259 Fabricated Step Coupling



When Ordering; X=0 for Water PN16 - zinc plated and passivated studs. 4 Water PN16, stainless steel bolts 6 Water PN16, Sheraplex bolts. AB + CD = Cast Iron DI= Ductile Iron ST= Steel GRP = Glass reinforced polyester. Additional sizes and step ranges available on request. Sizes 1600+ available on application.

Materials of Construction

No.	Description	Material
1	Studs	Grade 8.8, sheraplex® coated
2	Nuts	Hexagon, Grade 8 sheraplex® coated
3	Washers	Zinc plated and passivated
4	Gland ring	Mild Steel, Grade FE 430 B. BS EN 10025: 1990
5	Rubber seals	EPDM
6	Body	Mild Steel, Grade FE 430 B. BS EN 10025: 1990
	Coating	Fusion Bonded Epoxy Coating WIS 4-52-01 or wet sprayed dependent upon size. WRAS approved
	Domed Cap	Plastic





COUPLINGS AND ADAPTORS

FLANGE CONNECTIONS - FLANGE ADAPTORS



SERIES	603	603/4	623	633	260/30	05/26	05/60	209/30
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Product Description	Universal Supa® Flange Adaptor	Universal Dedicated Flange Adaptor	Dedicated Supa Plus™ Tensile Flange Adaptor	Universal Supa Maxi™ Tensile Flange Adaptor	Fabricated Dedicated Flange Adaptor	Combi-Flange	Combi Tensile Flange	Flange Converter
Range	DN40 - 400	DN80 - 200	DN40 - 315	DN40 - 400	DN350 -2000	DN50 - 300	DN80 - 300	DN80 - 350
Flange Drilling	PN10/16/25, BS 10	PN10/16/25, BS 10	PN10/16/25	PN10/16/25	PN10/16/25, BS 10	PN10/16	PN10/16	PN10/16
End Restraint	No	No	Yes	Yes	No	Yes	Yes	No
Pipe Material								
Polyethylene			•	•		•	•	
PVC	•	•	•	•	•	•	•	
Ductile iron pipe	•	•		•	•	•	•	•
Cast iron class AB	•	•		•	•			•
Cast iron class CD	•	•		•	•			•
GRP	•	•		•	•			•
Steel pipe	•	•		•	•	•	•	•
Stainless Steel pipe	•	•		•	•			•
Clay	•	•		•	•			•
Concrete	•	•		•	•			•
Asbestos Cement	•	•		•	•			•

NOTE: • **603, 603/4 and 260** - Couplings are not designed for end load (Tensile) applications, in the event that these products require restraining, additional external restraint must be sort or alternative product used.

Technical pages	36	37	38	39	40	41	42	43
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PRODUCT SELECTOR



SERIES TYPE	603	603/4	623
DESCRIPTION	 	 	 
APPLICATION	AVK UNIVERSAL FLANGE ADAPTOR	AVK DEDICATED FLANGE ADAPTOR	AVK TENSILE RESISTANT FLANGE ADAPTOR
MAIN FEATURES	For use with water and waste water	For use with water and waste water	For use with water and waste water
MAIN OPTIONS	<ul style="list-style-type: none"> • Universal flange drilled to BS EN 1092-2, with the addition of BS 10 or ANSI B16.1. Class 125 drillings dependant upon nominal size • Fusion bonded epoxy coating • Lightweight design • Total angular deflection of $\pm 4^\circ$ • Wide tolerance range • Geomet coated bolt sets • EPDM seals 	<ul style="list-style-type: none"> • Does not require notching • Flange drilled to BS EN 1092-2 with the addition of BS 10 or ANSI B16.1 Class 125 drillings dependant upon nominal size • Fusion bonded epoxy coating • Lightweight design • Total angular deflection of $\pm 4^\circ$ • Dedicated tolerance range • Sheraplex® coated bolt sets • EPDM seals 	<ul style="list-style-type: none"> • Lightweight design • Corrosion resistant construction • Fusion bonded epoxy coating • Angular deflection + 3.5° per socket • Stainless steel bolt sets • Series 05 internal support bush required, See pg 45
SIZE	<ul style="list-style-type: none"> • Sheraplex® Stainless steel bolts* <p>*All stainless steel bolts and nuts are coated with delta seal GZ anti-friction coating.</p>	<ul style="list-style-type: none"> • Stainless steel bolts 	
MAX WORKING PRESSURE	DN40 - 400	DN80 - 200	DN32 - 300
TEMPERATURE RANGE	PN16	PN16	PN16
BODY MATERIAL	-10°C to +70°C	-10°C to +70°C	-10°C to +70°C
APPLICABLE STANDARDS	Ductile Iron GGG-40	Ductile Iron EN 1563:GJS 500-7	Ductile Iron GGG-40/50
APPLICABLE STANDARDS	WIS 4-21-02 WIS 4-52-01 WIS 4-52-03 BS EN 1092 (ISO 7005-2) BS EN 681-1 / BS EN 14525 BS 8561 Reg 31 compliant	WIS 4-52-01 WIS 4-52-03 BS EN 1092 (ISO 7005-2) BS EN 14525 Reg 31 compliant	WIS 4-24-01 WIS 4-52-01 WIS 4-52-03 BS EN 12842 BS EN 1092 (ISO 7005-2) / BS EN 681-1 BS 85612 Reg 31 compliant

PRODUCT SELECTOR

SERIES TYPE

633

260/30

05/26



DESCRIPTION

AVK SUPAMAXI™ FLANGE ADAPTOR

AVK FABRICATED FLANGE ADAPTOR

AVK COMBI-FLANGE

APPLICATION

For use with water and waste water

For use with water and waste water

For use with water and waste water

MAIN FEATURES

- Ductile iron sleeve
- Cast steel bracket with epoxy coating
- GSK approved internally and externally
- Max $\pm 4^\circ$ angular deflection
- DVGW and NF approved EPDM rubber gasket
- A2 stainless steel bolts and washers
- A4 stainless steel nuts
- Universal drilled flange
- Lifting eye DN100-400
- Series 05 internal support bush required only when installing PE pipe, See pg 45

- Can be fabricated in any size, within design range
- Corrosion resistant construction
- EPDM seals
- Fusion bonded epoxy coating
- Sealing range nominal diameter +2mm to -5mm
- Sheraplex® coated stud sets

- Flexible positioning of the pipe with the large buffer zone clearly marked on the sealing
- Easy pipe chamfering allowing the pipe to be cut unevenly or out of angle, as long as it stays within the buffer zone
- The pipe will not move inwards during installation which helps securing a tight connection
- The rubber is resistant to water treatment chemicals and features an excellent compression set, meaning the ability to regain original shape
- Series 05 internal support bush required, See pg 45

MAIN OPTIONS

- Gunmetal grip segment for use with PE & PVC
- Standard drilled options available.
- Internal support bush
- NBR seal option
- Other fixing material options

- Special sizes / drilling manufactured to order
- Specific notching requirements
- Slotted bolt holes as standard
- Stainless steel or zinc plated and gold passivated studs and nuts
- Fast track delivery service
- Body length options
- Coating thickness

SIZE

DN50 - 400

DN350 - 1400+

DN50 - 300

MAX WORKING PRESSURE

PN16

PN10/16/25

PN10/16

TEMPERATURE RANGE

-20°C to +70°C

-10°C to +70°C

-10°C to +70°C

BODY MATERIAL

Ductile Iron
GJS-400-15

Mild Steel
BS EN 10025:1990 grade FE 430 B

Ductile Iron
BS EN 1563 GJS-400-15

APPLICABLE STANDARDS

WIS 4-21-01
WIS 4-52-01
WIS 4-52-03
BS EN 14525
BS EN 681-1
Reg 31 compliant

WIS 4-21-02
WIS 4-52-01
WIS 4-52-03
BS EN 681-1
BS 8561
Reg 31 compliant

BS EN 1092 (ISO 7005-2)
DIN 30677-2
WIS-4-52-01
Reg 31 compliant

05/60



AVK COMBI-FLANGE FOR PE AND PVC PIPES

For use with water and waste water

- Flexible positioning of the pipe with the large buffer zone clearly marked on the sealing
- Easy pipe chamfering allowing the pipe to be cut unevenly or out of angle, as long as it stays within the buffer zone
- The pipe will not move inwards during installation which helps securing a tight connection
- The wide tension ring combined with the special lip profile on the sealing ensure full tensile abilities on all PE and PVC pipes, even thin wall PVC pipes (Bi-PVC)
- Series 05 internal support bush required, See pg 45

DN50 - 300

PN10/16

-10°C to +70°C

Ductile Iron
BS EN 1563 GJS-400-15

BS EN 1092 (ISO 7005-2)
DIN 30677-2
WIS-4-52-01
Reg 31 compliant

209/30



AVK FLANGE CONVERTER

For use with water and waste water

- Fusion bonded epoxy coating
- Studs mild steel zinc plated and passivated

- Drilling variations
- Flange drilling to Table C, D, E and ANSI

DN80 - 350

PN10/16

-10°C to +70°C

Cast Iron

BS EN 1092 (ISO 7005-2)
WIS-4-52-01
Reg 31 compliant



TECHNICAL INFORMATION

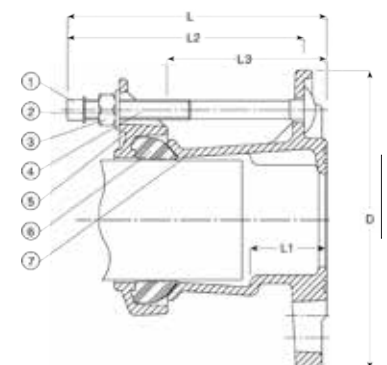
Series 603 Supa® Universal Flange Adaptor



Reference Number	DN mm	Sealing Range		L mm	L1 mm	Angular Deflection	D mm	Flange Size	Flange Drilling		No of Bolts & Bolt Size		Weight Kg
		Min	Max						Metric	Imperial			
603-063-000-4200	40	46	63	98	47	±4°	165	40/50	PN10/16	BS 10 TABLE ADE	4	M12x145	3.8
603-074-000-4200	50	57	74	98	47	±4°	172	50	PN10/16	BS 10 TABLE ADE	4	M12x145	3.9
603-085-000-4200	65	68	85	98	47	±4°	185	50/60	PN10/16	BS 10 TABLE ADE	4	M12x145	4.1
603-106-000-4200	80	84	106	100	47	±4°	200	80	PN10/16	BS 10 TABLE ADE	4	M12x145	5.0
603-106-001-4200	80	84	106	100	47	±4°	200	80/100	PN10/16	BS 10 TABLE ADEFH	4	M12x145	5.4
603-119-000-4200	100	99	119	100	47	±4°	254	100	PN10/16	BS 10 TABLE ADEFH	4	M12x145	5.6
603-133-000-4200	100	109	133	100	47	±4°	240	100	PN10/16	BS 10 TABLE ADEFH	4	M12x145	5.8
603-133-001-4200	100	109	133	100	47	±4°	240	100/125	PN10/16	BS 10 TABLE ADEFH	4	M12x145	5.8
603-157-000-4200	125	132	157	111	58	±4°	285	125/150	PN10/16	BS 10 TABLE ADEFH	4	M12x170	8.3
603-183-000-4200	150	157	183	109	56	±4°	293	150	PN10/16	BS10 TABLE E	4	M12x170	9.3
603-183-002-4200	150	157	183	109	56	±4°	293	150	-	BS10 TABLE D/E	4	M12x170	9.3
603-201-000-4200	150	176	201	112	69	±4°	313	150	PN10/16	BS10 TABLE E	4	M12x170	11.0
603-215-000-4200	175	193	215	117	110	±4°	343	200	PN10/16	BS 10 TABLE E	4	M12x170	11.6
603-242-000-4200	200	218	242	117	65	±4°	353	200	PN10/16	BS 10 TABLE E	4	M12x170	12.4
603-242-002-4200	200	218	242	117	65	±4°	353	200	-	BS10 TABLE D/E	4	M12x170	12.4
603-268-000-4200	225	242	268	119	110	±4°	406	250	PN10/16	-	6	M12x170	17.0
603-292-000-4200	250	266	292	119	61	±4°	406	250	PN10/16	-	6	M12x170	18.8
603-292-002-4200	250	266	292	119	61	±4°	406	250	-	BS10 TABLE D	6	M12x170	18.0
603-306-000-4200	250	280	306	119	61	±4°	420	250	PN10/16	-	6	M12x170	18.5
603-327-000-4200	300	301	327	119	59	±4°	483	300	PN10/16	BS 10 TABLE E	6	M12x170	22.4
603-327-002-4200	300	301	327	119	59	±4°	458	300	-	BS10 TABLE D/E	6	M12x170	22.4
603-350-000-4200	300	324	350	119	59	±4°	483	300	PN10/16	BS 10 TABLE E	6	M12x170	24.0
603-378-000-4200	350	352	378	119	110	±4°	520	350	PN10/16	BS 10 TABLE A	8	M12x170	25.4
603-378-002-4200	350	352	378	119	110	±4°	527	350	-	BS10 TABLE D/E	12	M12x170	25.4
603-396-000-4200	350	372	396	161	100	±4°	496	350	PN10/16	BS 10 TABLE A	8	M12x210	25.4
603-396-002-4200	350	372	396	161	100	±4°	527	350	-	BS10 TABLE D/E	12	M12x210	28.6
603-410-000-4200	350	384	410	161	100	±4°	520	350	PN10/16	BS 10 TABLE A	8	M12x210	29.2
603-410-002-4200	350	384	410	161	100	±4°	527	350	-	BS10 TABLE D/E	12	M12x210	29.6
603-436-000-4200	400	410	436	165	100	±4°	597	400	PN10/16	-	8	M12x210	34.5
603-436-002-4200	400	410	436	165	100	±4°	578	400	-	BS10 TABLE D/E	12	M12x210	34.5
603-462-000-4200	400	436	462	165	100	±4°	597	400	PN10/16	-	8	M12x210	38.4
603-462000-4-200	400	436	462	165	100	±4°	597		PN10/16		8	M12x210	38.4

Materials of Construction

No.	Description	Material
1	Washer	Ductile iron, GGG-40/50 to BS EN 1563
2	Nuts	Hardened steel, Geomet coated
3	Gland rings	Steel, grade 8 Geomet coated
4	Bolts	Steel, grade 8 Geomet coated
5	Central sleeve	Ductile iron, GGG-40/50 to BS EN 1563
6	Rubber seals	EPDM
	Coating	Blue Fusion Bonded Epoxy - WRAS approved



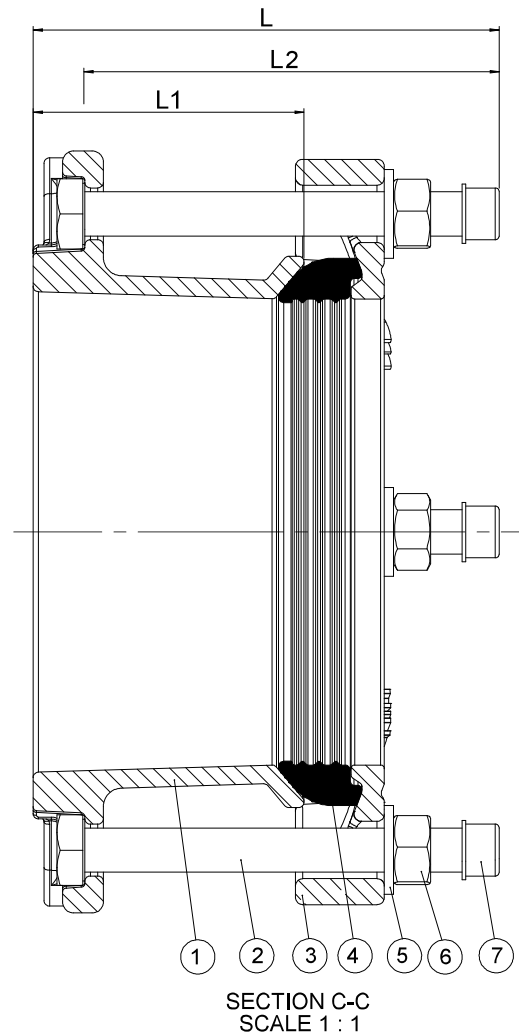
Series 603/4 Dedicated Flange Adaptor



AVK Reference	DN	L	L1	D	Sealing Range	Bolts	Weight	PN10/16	EN1092	BS 10	ANSI 161.1 CI 125
	mm	mm	mm	mm	mm		Kg				
603-099004-4-100	80	126	73	192	88-99	4	3.2	X	X		
603-123004-4-100	100	126	73	216	114-123	4	3.6	X	X	X	
603-178004-4-100	150	126	73	285	168-178	4	4.2	X	X		X
603-233004-4-100	200	126	73	339	219-233	4	6.2	X	X	X	X

Materials of Construction

No.	Description	Material
1	Body	Ductile iron EN 1563:GJS 500-7
2	Washers	Galvanised. Steel ST37.2
3	Bolts	4.6 Sheraplex M12
4	Nuts	Steel, grade 8, Sheraplex®
5	Bracket	Ductile iron. EN 1563:GJS 500-7
6	Gasket	EPDM
	Coating	Blue Fusion Bonded Epoxy



TECHNICAL INFORMATION

Series 623 Supa Plus™ Dedicated Tensile Flange Adaptor

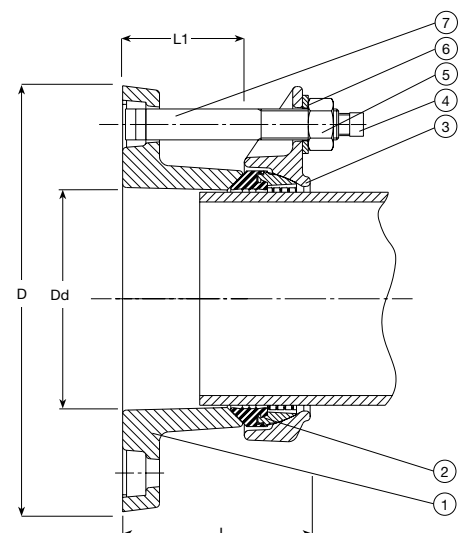


Reference Number	PIPE OD Dd mm	SDR Rating ¹				D mm	Flange Drilling mm	Dd mm	L mm	Angular Deflection	Number of Bolts	Bolt Size	Weight
		11	17	21	26								Kg
623-10-040-0141001	40mm	√	√	√	√	40	PN10-16	150	62	±3.5°	2	M16	3.6
623-10-050-0141001	50mm	√	√	√	√	40	PN10-16	150	62	±3.5°	2	M16	3.7
623-10-063-0141001	63mm	√	√	√	√	50/60/65	PN10-16	180	63	±3.5°	2	M16	4.4
623-10-075-0141001	75mm	√	√	√	√	60/65	PN10-16	185	63	±3.5°	2	M16	4.5
623-10-090-0141001	90mm	√	√	√	√	80	PN10-16	200	62	±3.5°	2	M16	4.7
623-10-110-0141001	110mm	√	√	√	√	100	PN10-16	220	63	±3.5°	2	M16	6.6
623-10-125-0241001	125mm	√	√	√	√	100	PN10-16	240	62	±3.5°	4	M16	6.7
623-10-125-0141001	125mm	√	√	√	√	125	PN10-16	250	63	±3.5°	2	M16	6.8
623-10-140-0141001	140mm	√	√	√	√	125	PN10-16	250	63	±3.5°	4	M16	6.9
623-10-160-0141001	160mm	√	√	√	√	150	PN10-16	285	63	±3.5°	4	M16	8.6
623-10-180-0141001	180mm	√	√	√	√	150	PN10-16	285	63	±3.5°	4	M16	8.6
623-10-200-0141001	200mm	√	√	√	√	200	PN16	340	64	±3.5°	8	M16	14.1
623-10-225-0041001	225mm		√	√	√	200	PN10	340	64	±3.5°	6	M16	14.1
623-10-225-0141001	225mm	√	√	√	√	200	PN16	340	64	±3.5°	8	M16	15.1
623-10-250-0041001	250mm		√	√	√	250	PN10	340	64	±3.5°	6	M16	15.1
623-10-250-0141001	250MM	√	√	√	√	250	PN10-16	405	88	±3.5°	6	M16	24.5
623-10-280-0141001	280MM	√	√	√	√	250	PN10-16	405	88	±3.5°	6	M16	25.0
623-10-315-0141001	315MM	√	√	√	√	300	PN10-16	460	88	±3.5°	6	M16	28.6

¹ AVK supply different Series 05/E-008 Pipe Support Bushes for each SDR rating.

Materials of Construction

No.	Description	Material
1	Washer	Stainless Steel, A2 Grade 80, Delta Seal GZ coated
2	Nut	Stainless Steel, A4 Grade 80, Delta Seal GZ coated
3	Gland ring	Ductile iron, GGG-40/50 to BS EN 1563
4	Bolts	Stainless Steel, A2 Grade 70, Delta Seal GZ coated
5	Body	Ductile iron, GGG-40/50 to BS EN 1563
6	Rubber seals	EPDM / Gunmetal teeth
7	Support bush	Stainless steel AISI 304
8	Coating	Blue Fusion Bonded Epoxy - WRAS approved



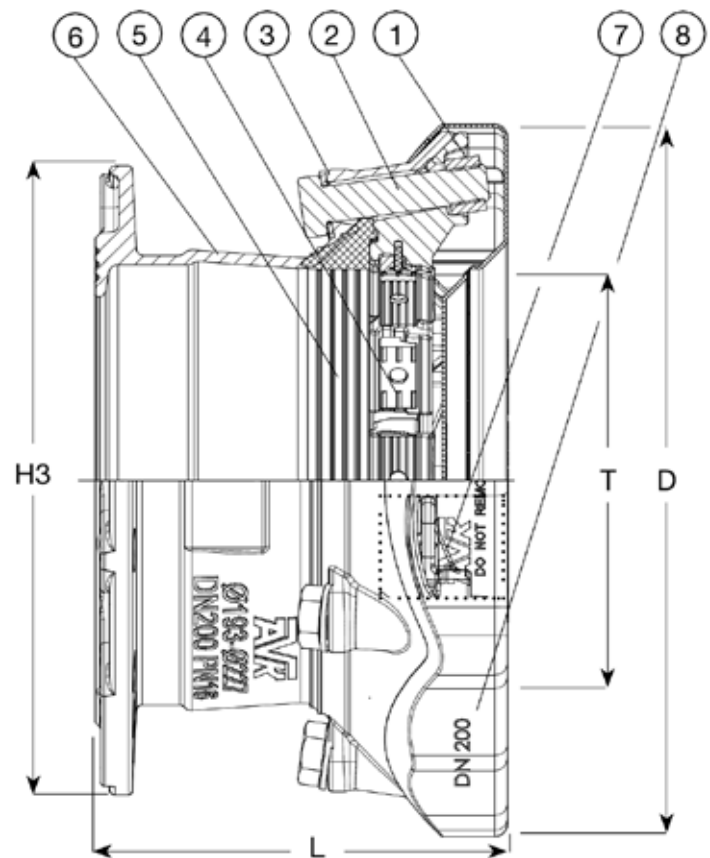
Series 633 Supa Maxi™ Universal Tensile Flange Adaptor



Reference Number	DN	Sealing Range - T		L mm	Angular Deflection	D mm	H3 mm	Flange Size	Flange Drilling	Weight Kg
	mm	Min	Max							
633-071-00-006	40 - 50	48	71	197	±3.5°	200	165	40	PN10/16	5.0
633-091-00-006	50 - 65	69	91	197	±3.5°	226	185	50	PN10/16	6.0
633-106-00-006	80	82	106	198	±3.5°	235	200	80	PN10/16	6.5
633-133-01-006	80	104	133	210	±3.5°	268	200	80	PN10/16	9.0
633-133-00-006	100	104	133	203	±3.5°	268	229	100	PN10/16	9.0
633-161-00-006	100	132	161	198	±3.5°	285	254	100	PN10/16	11.0
633-188-00-006	150	159	188	220	±3.5°	340	285	150	PN10/16	12.0
633-227-00-006	200	193	227	243	±3.5°	389	343	200	PN10/16	19.0
633-257-00-006	250	224	257	245	±3.5°	437	406	250	PN10/16	25.0
633-301-00-006	250	266	301	254	±3.5°	476	406	250	PN10/16	28.0
633-356-00-006	300	314	356	282	±3.5°	545	483	300	PN10/16	38.0
633-442-00-006	400	392	442	447	±3.5°	661	597	400	PN10/16	80.0

Materials of Construction

No.	Description	Material
1	Nuts	Acid resistant stainless steel, A4
2	Bolt	Stainless steel, A2
3	Washer	Stainless steel, A2
4	Grip segment	Gunmetal RG5 & stainless steel
5	Gasket	EPDM
6	Sleeve	Ductile iron GJS-450 (GGG-45)
7	Bracket	Cast steel
8	Protection cap	Recyclable PE



TECHNICAL INFORMATION

Series 260 Fabricated Flange Adaptor



Reference Number	DN	OD	H3 & W	L5	L	Angular Deflection	No of Bolts and Size		Weight
	Inch	mm	mm	mm	mm				Kg
260-30-0387-Y-Z	14" AB	387	520	25	178	±4°	16	M12	32
260-30-0399-Y-Z	14" CD	399	520	25	178	±4°	16	M12	31
260-30-0439-Y-Z	16" AB	439	580	25	178	±4°	16	M12	37
260-30-0453-Y-Z	16" CD	453	580	25	178	±4°	16	M12	36
260-30-0492-Y-Z	18" AB	492	640	25	178	±4°	20	M12	42
260-30-0507-Y-Z	18" CD	507	640	25	178	±4°	20	M12	40
260-30-0545-Y-Z	20" AB	545	715	25	178	±4°	20	M12	51
260-30-0560-Y-Z	20" CD	560	715	25	178	±4°	20	M12	49
260-30-0650-Y-Z	24" AB	650	840	25	178	±4°	20	M12	64
260-30-0667-Y-Z	24" CD	667	840	25	178	±4°	20	M12	62
260-30-0729-Y-Z	27" AB	729	910	25	178	±3°	24	M12	69
260-30-0747-Y-Z	27" CD	747	910	25	178	±3°	24	M12	65
260-30-0807-Y-Z	30" AB	807	1025	25	178	±3°	24	M12	89
260-30-0826-Y-Z	30" CD	826	1025	25	178	±3°	24	M12	82
260-30-0964-Y-Z	36" AB	964	1125	25	178	±2°	28	M12	81
260-30-0985-Y-Z	36" CD	985	1125	25	178	±2°	28	M12	75
260-30-1121-Y-Z	42" AB	1121	1255	30	198	±2°	28	M12	83
260-30-1143-Y-Z	42" CD	1143	1255	30	198	±2°	28	M12	76
260-30-1277-Y-Z	48" AB	1277	1485	30	198	±2°	32	M12	124
260-30-0387-Y-Z	350	378	520	25	178	±4°	16	M12	16
260-30-0429-Y-Z	400	429	580	25	178	±4°	16	M12	16
260-30-0480-Y-Z	450	480	640	25	178	±4°	20	M12	20
260-30-0532-Y-Z	500	532	715	25	178	±4°	20	M12	20
260-30-0635-Y-Z	600	635	810	25	178	±4°	20	M12	20
260-30-0738-Y-Z	700	738	910	25	178	±3°	24	M12	24
260-30-0842-Y-Z	800	842	1025	25	178	±3°	24	M12	24
260-30-0945-Y-Z	900	945	1125	25	178	±2°	28	M12	28
260-30-1048-Y-Z	1000	1048	1225	30	198	±2°	28	M12	28
260-30-1255-Y-Z	1200	1255	1485	30	198	±2°	32	M12	32
260-30-0355-Y-Z	350 ST	355.6	520	25	178	±4°	16	M12	34
260-30-0406-Y-Z	400ST	406.4	580	25	178	±4°	16	M12	40
260-30-0457-Y-Z	450 ST	457.2	640	25	178	±4°	20	M12	46
260-30-0508-Y-Z	500 ST	508	715	25	178	±4°	20	M12	56
260-30-0609-Y-Z	600 ST	609.6	840	25	178	±4°	20	M12	71
260-30-0711-Y-Z	700 ST	711.2	910	25	178	±3°	24	M12	72
260-30-0812-Y-Z	800 ST	812.8	1025	25	178	±3°	24	M12	85
260-30-0914-Y-Z	900 ST	914.4	1135	25	178	±2°	28	M12	94
260-30-1016-Y-Z	1000 ST	1016	1255	30	198	±2°	28	M12	114
260-30-1220-Y-Z	1200 ST	1220	1485	30	198	±2°	32	M12	145

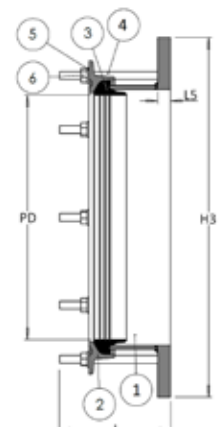
When ordering: ST = Steel/uPVC, DI = Ductile Iron, AB = Cast Iron, CD = Cast iron.

Flange Drilling: Y=0 for PN10, 1 for PN16, 2 for ANSI b16.5 class 150, 3 for ISO2084 PN16, 4 for PN25 (25 bar rated), 5 BSTD, 6 BSTE

Studs: Z=0 for Zinc plated and passivated; 6 for Sheraplexed. Sizes above those shown here are available upon application

Materials of Construction

No.	Description	Material
1	Body	Mild Steel to BS EN 10025:2004-S275JR.
2	Studs	Mild Steel, grade 8.8 Sheraplex®
3	Nuts, Washers	Grade 8 Mild Steel Sheraplex®
4	Gland ring	Mild steel, BS EN 10025:2004-S275JR.
5	Rubber seals	EPDM
6	Coating	Fusion bonded epoxy coating to WIS 4-52-01 or wet sprayed dependent upon size. WRAS approved.



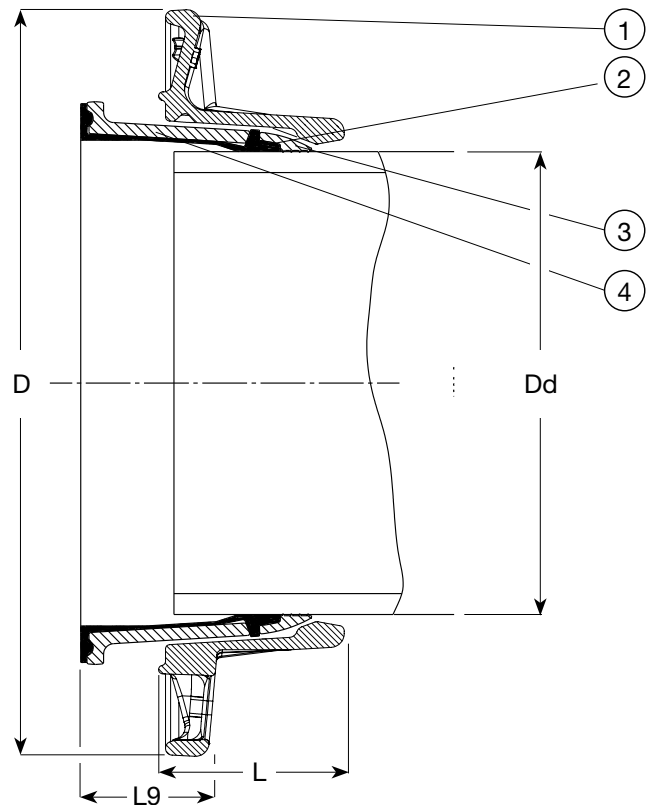
Series 05/26 Combi-flange



AVK Reference	DN	Dd	PN	D	L	L9	Weight
	mm	mm	bar	mm	mm	mm	Kg
05-066-26-0502104	50	66	PN10/16	165	48	48	2.6
05-077-26-0602204	60	77	PN10/16	175	48	57	2.5
05-082-26-0652104	65	82	PN10/16	185	50	54	2.6
05-098-26-0802104	80	98	PN10/16	200	54	47	3.0
05-118-26-1002104	100	118	PN10/16	220	67	47	3.8
05-144-26-1252104	125	144	PN10/16	250	76	68	5.6
05-170-26-1502104	150	170	PN10	285	73	67	6.0
05-222-26-2002404	200	222	PN10	340	87	62	9.0
05-222-26-2004404	200	222	PN16	340	87	68	9.0
05-274-26-2502404	250	274	PN10	395	121	169	19
05-274-26-2504404	250	274	PN16	405	123	164	18
05-326-26-3002404	300	326	PN10	445	127	169	23
05-326-26-3004404	300	326	PN10/16	460	127	164	22

Materials of Construction

No.	Description	Material
1	Flange	Ductile iron GJS-500-7 (GGG-50)
2	Sealing	EPDM
3	Tension ring	Ductile iron
4	Sleeve	Ductile iron



TECHNICAL INFORMATION

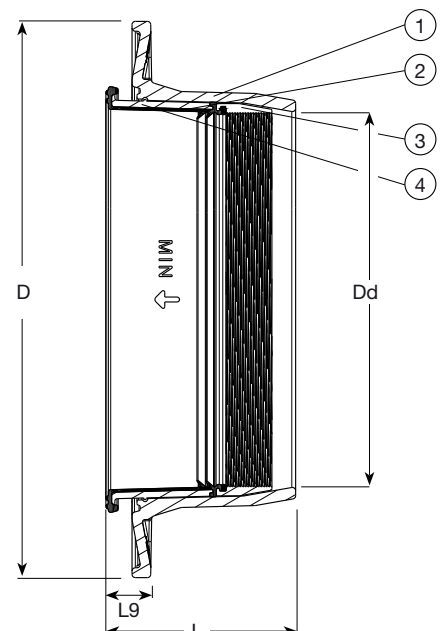
Series 05/60 Combi-flange



AVK Reference	Angular Deflection	DN	Dd	Flange Drilling	D	L	L9	Weight Kg
		mm	mm		mm	mm	mm	
05-050-60-1600		50	63	PN10/16	165	97	27	1.9
05-063-60-1600		60	63	PN10/16	175	97	27	2.0
05-075-60-1600		65	75	PN10/16	185	97	27	2.2
05-090-60-1600		80	90	PN10/16	200	98	27	2.5
05-110-60-1600		100	110	PN10/16	220	99	27	3.0
05-125-60-1600		125	125	PN10/16	250	101	27	3.7
05-140-60-1600		125	140	PN10/16	250	103	27	3.9
05-160-60-1600		150	160	PN10/16	285	105	27	4.3
05-200-60-0600		200	200	PN10	340	107	27	6.3
05-200-60-1600		200	200	PN16	340	107	27	6.3
05-225-60-0600		200	225	PN10	340	115	27	7.0
05-225-60-1600		200	225	PN16	340	123	27	7.0
05-250-60-0600		250	250	PN10	395	115	27	8.0
05-250-60-1600		250	250	PN16	395	123	27	8.0
05-280-60-0600	Max. $\pm 1.5^\circ$ deflection. For Bi-PVC pipes a support bush is to be used	250	280	PN10	395	123	31	8.0
05-280-60-1600	Max. $\pm 1.5^\circ$ deflection. Not suitable for Bi-PVC pipes	250	280	PN16	395	131	31	8.0
05-315-60-0600	Max. $\pm 1.5^\circ$ deflection. For Bi-PVC pipes a support bush is to be used	300	315	PN10	445	125	31	9.8
05-315-60-1600	Max. $\pm 1.5^\circ$ deflection. Not suitable for Bi-PVC pipes	300	315	PN16	445	133	31	9.8

Materials of Construction

No.	Description	Material
1	Flange	Ductile iron GJS-500-7 (GGG-50)
2	Sealing	EPDM
3	Tension ring	Stainless steel
4	Sleeve	PP polypropylene



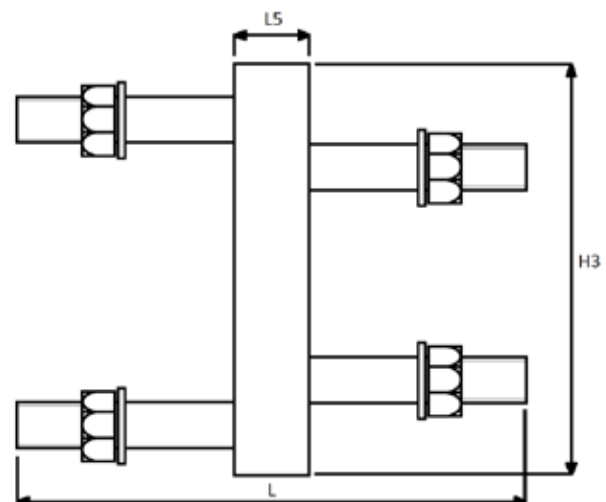
Series 209/30 Flange Converter



AVK Reference	Sealing Range	DN	Weight
		mm	Kg
209-30-02615-08002	80mm NP16 X 1" BSP CI FLANGE	80	8
209-30-05002-08002	80mm NP16 x 50mm	80	8
209-30-05107-08002	80mm NP16 X 2" TABLE D FLANGE	80	8
209-30-05115-08002	80mm NP16 X 2" BSP CI FLANGE	80	8
209-30-07607-08002	80mm NP16 x 3" TBL 'E' FLG CON	80	8
209-30-08002-08011	80mm ANSI x 80mm PN16	80	8
209-30-08002-08906	80mm NP16 X 3.5" TABLE D	80	8
209-30-08002-20002	80mm NP16 x 200mm NP16	80	8
209-30-08002-10206	80mm NP16 X 4" TABLE D FLANGE	80	8
209-30-08002-10002	100mm NP16 X 80mm NP16	100	9
209-30-10002-10206	100mm NP16 X 4" TABLE C FLANGE	100	9
209-30-10002-10207	100mm NP16 X 4" TABLE E FLANGE	100	9
209-30-10002-12706	100mm NP16 X 5" TABLE D FLANGE	100	9
209-30-10206-10002	100mm NP16 X 4" TABLE D FLANGE	100	9
209-30-08002-15002	150mm NP16 X 80mm NP16	150	12
209-30-10002-15002	150mm NP16 X 100mm NP16 FI Con	150	12
209-30-12707-15002	150mm NP16 X 5" TABLE E FLANGE	150	12
209-30-15002-15206	150mm NP16 X 6" TABLE D FLANGE	150	12
209-30-15002-20002	200mm NP16 X 150mm NP16 FLANGE	200	18
209-30-20002-20306	200mm NP16 TO 8" TABLE C & D FLANGE	200	18
209-30-20002-25002	250mm NP16 X 200mm NP16	250	22
209-30-25002-25406	250mm NP16 X 10" TABLE D FLANGE	250	22
209-30-30002-30405	300mm NP16 X 12" TABLE C FLANGE	300	50
209-30-30002-30406	300mm PN16 X 12" TAB D FLANGE	300	50
209-30-35002-35506	350mm PN16 X 14" TABLE D FLANGE	350	57

Materials of Construction

No.	Description	Material
1	Flange	Ductile iron GJS-500-7 (GGG-50)
2	Sealing	EPDM rubber
3	Tension ring	Ductile iron
4	Sleeve	Ductile iron





COUPLINGS AND ADAPTORS

SUPPORT BUSH



The AVK Support bush is designed for use with all products which join plain-ended pipes and have an end load resistant mechanism that grips onto a range of materials including PVC and PE.

The support bush helps prevent deformation of PE and PVC pipes when a mechanical joint is used. Without the support bush the pipe would be liable to lose its shape due to the pressure induced from the fitting, this could then have effects on the seal of the joint and performance of the pipeline.

This product is to be used with all the following AVK products including Series:

- 621
- 631
- 632
- 623
- 633
- 05/26
- 05/60

Installation Instructions

	<p>1. Make sure pipe end is free from burns</p> <p>2. Remove support bush from its packet</p>	
	<p>3. Insert support bush in to the pipe until flush with the pipe end</p> <p>4. Insert the wedge until resistance is felt then use a hammer</p>	
	<p>5. Make sure the wedge goes to a min depth of $\frac{2}{3} \times L$</p> <p>6. Once the wedge is in place cut off the overlay</p>	

PRODUCT SELECTOR



SERIES TYPE

05/E-008



DESCRIPTION

**AVK SUPPORT BUSH,
WEDGE TYPE**

APPLICATION

For use with water and waste water

MAIN FEATURES

- Support bush is manufactured from stainless steel AISI 304
- In order to prevent corrosion, the support bush is pickled and passivated
- Standard sizes are SDR 11, SDR 13.6, SDR 17 and SDR 17.6. Other SDR sizes are available on request
- Available for PE pipes DN50 - DN 400. Other DN sizes are available on request

MAIN OPTIONS

SIZE

DN20 - 140

MAX WORKING PRESSURE

PN16

TEMPERATURE RANGE

-10°C to +70°C

BODY MATERIAL

Stainless Steel 304

APPLICABLE STANDARDS

BS EN 1092 (ISO 7005-2)
DIN 30677-2
WIS-4-52-01
Reg 31 compliant



TECHNICAL INFORMATION

Series 05/E-008 Support Bush



AVK Reference	DN	SDR	Pipe Diameter	L1	Weight
	mm		mm	mm	Kg
05-025-54-002	20	13.6	25	36	0.1
05-032-54-002	25	17.6	32	44	0.1
05-040-54-002	32	17	40	54	0.2
05-050-54-002	40	11	50	74	0.3
05-063-51-000	50	17.6	63	150	0.4
05-063-53-000	50	17	63	150	0.4
05-063-54-000	50	11	63	150	0.4
05-063-54-002	50	13.6	63	87	0.6
05-063-56-000	50	13.6	63	150	0.4
05-075-51-000	65	17.6	75	150	0.5
05-075-53-000	65	17	75	150	0.5
05-075-54-000	65	11	75	150	0.5
05-075-56-000	65	13.6	75	150	0.5
05-090-51-000	80	17.6	90	150	0.7
05-090-53-000	80	17	90	150	0.7
05-090-54-000	80	11	90	150	0.7
05-090-56-000	80	13.6	90	150	0.7
05-110-71-000	100	17.6	110	150	0.8
05-110-73-000	100	17	110	150	0.8
05-110-74-000	100	11	110	150	0.8
05-110-76-000	100	13.6	110	150	0.8
05-125-71-000	125	17.6	125	150	1.0
05-125-73-000	125	17	125	150	1.0
05-125-74-000	125	11	125	150	1.0
05-125-76-000	125	13.6	125	150	1.0
05-140-71-000	140	17.6	140	150	1.1
05-140-73-000	140	17	140	150	1.1
05-140-74-000	140	11	140	150	1.1
05-140-76-000	140	13.6	140	150	1.1
05-160-71-000	150	17.6	160	200	1.3
05-160-73-000	150	17	160	200	1.3
05-160-74-000	150	11	160	200	1.3
05-160-76-000	150	13.6	160	200	1.3
05-180-71-000	175	17.6	180	200	1.4
05-180-73-000	175	17	180	200	1.4
05-180-74-000	175	11	180	200	1.4
05-180-76-000	175	13.6	180	200	1.4
05-200-71-000	200	17.6	200	200	1.4
05-200-73-000	200	17	200	200	1.4
05-200-74-000	200	11	200	200	1.4
05-200-76-000	200	13.6	200	200	1.4
05-225-71-000	225	17.6	225	200	1.9

Series 05/E-008

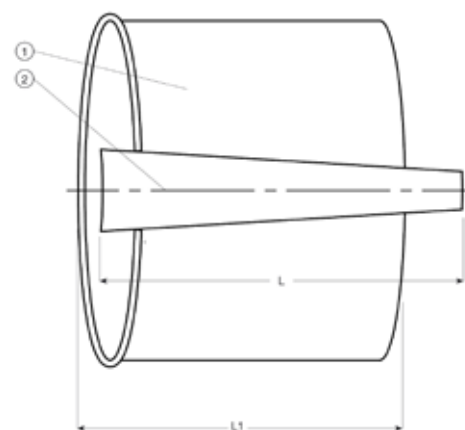
Support Bush



AVK Reference	DN	SDR	Pipe Diameter	L1	Weight
	mm		mm	mm	Kg
05-225-73-000	225	17	225	200	1.9
05-225-74-000	225	11	225	200	2.0
05-225-76-000	225	13.6	225	200	2.0
05-250-71-000	250	17.6	250	200	2.3
05-250-73-000	250	17	250	200	2.3
05-250-74-000	250	11	250	200	2.5
05-250-76-000	250	13.6	250	200	2.4
05-280-71-000	275	17.6	280	200	2.7
05-280-73-000	275	17	280	200	2.7
05-280-74-000	275	11	280	200	3.3
05-280-76-000	275	13.6	280	200	3.0
05-315-71-000	300	17.6	315	200	3.5
05-315-73-000	300	17	315	200	3.5
05-315-74-000	300	11	315	200	3.3
05-315-76-000	300	13.6	315	200	3.4
05-355-73-000	350	17	355	200	3.8
05-355-74-000	350	11	355	200	4.0
05-400-73-000	400	17	400	200	4.3
05-400-74-000	400	11	400	200	4.5

Materials of Construction

No.	Description	Material
1	Bush	Stainless steel 304
2	Wedge	Stainless steel 304








COUPLINGS AND ADAPTORS

FLANGE CONNECTIONS - DISMANTLING JOINTS



SERIES	265/30	265/50-001	265/50-002
			
Product Description	2 Flange Dismantling Joint	3 Flange Dismantling Joint	3 Flange Dismantling Joint
Range	DN300 - 1400	DN50 - 250	DN300 - 2200
Flange Drilling	PN10/16/25	PN10/16/25	PN10/16/25
Pipe Material			
Polyethylene	•	•	•
PVC	•	•	•
Ductile iron pipe	•	•	•
Cast iron class AB	•	•	•
Cast iron class CD	•	•	•
GRP	•	•	•
Steel pipe	•	•	•
Stainless Steel pipe	•	•	•
Clay	•	•	•
Concrete	•	•	•
Asbestos Cement	•	•	•
Technical pages	50	51	52

PRODUCT SELECTOR



SERIES TYPE

265/30

265/50-001

265/50-002



DESCRIPTION

AVK DISMANTLING JOINT

**AVK DISMANTLING JOINT
DN50-250**

**AVK DISMANTLING JOINT
DN300-2200**

APPLICATION

All flanged pipe work systems water and waste water

For flanged pipe work and fittings, and suitable for use with water and waste water

For flanged pipe work and fittings, and suitable for use with water and waste water

MAIN FEATURES

- +/- 60mm axial adjustment on length
- Fusion bonded epoxy coating
- EPDM seals
- Tie-rods zinc plated and passivated
- Sheraplex® coated studs and nuts sets

- Axial adjustment on length
- Fusion bonded epoxy coating
- EPDM seals
- Tie-rods zinc plated and passivated
- Tie-rods located on every flange hole
- A2, A4 stainless steel tie-rods

- Axial adjustment on length
- Fusion bonded epoxy coating
- EPDM seals
- Tie-rods zinc plated and passivated
- Tie-rods located on every flange hole

MAIN OPTIONS

- Any flange drilling within design tolerance
- Extended axial adjustment
- PN10/PN16/PN25/CL150 version.
- No tie-rods
- Specific notching requirements
- Slotted flanges
- Fastenings A2, A4 stainless steel
- Fast track delivery service
- NBR seal option
- Various face to face lengths

- Any flange drilling within design tolerance
- PN10/PN16/CL150 version
- Reduced number of tie rods
- Non-standard body and adjustment lengths
- Fast track delivery service
- NBR seal option
- Various face to face lengths

- Any flange drilling within design tolerance
- PN10/PN16/PN25/CL150 version
- Reduced number of tie rods
- Non-standard body and adjustment lengths
- Fast track delivery service
- A2, A4 stainless steel tie-rods
- NBR seal option
- Various face to face lengths

SIZE

DN300 - 1400

DN50 - 250

DN300 - 2200

MAX WORKING PRESSURE

PN16

PN16

PN10/16/25

TEMPERATURE RANGE

-10°C to +70°C

-10°C to +70°C

-10°C to +70°C

BODY MATERIAL

Mild Steel
BS EN 10025:1990 grade FE 430 B

SG Iron BS EN 1563GJS 450/10
Mild Steel to BS EN 10025 FE360B.B

Mild Steel
BS EN 10025 FE360B.B

APPLICABLE STANDARDS

WIS-4-21-02
WIS-4-52-01
WIS-4-52-03
BS EN 681-1
BS 8561
Reg 31 compliant

WIS-4-21-02
WIS-4-52-01
WIS-4-52-03
BS EN 681-1
BS 8561
Reg 31 compliant

WIS-4-21-02
WIS-4-52-01
WIS-4-52-03
BS EN 681-1
BS 8561
Reg 31 compliant

TECHNICAL INFORMATION

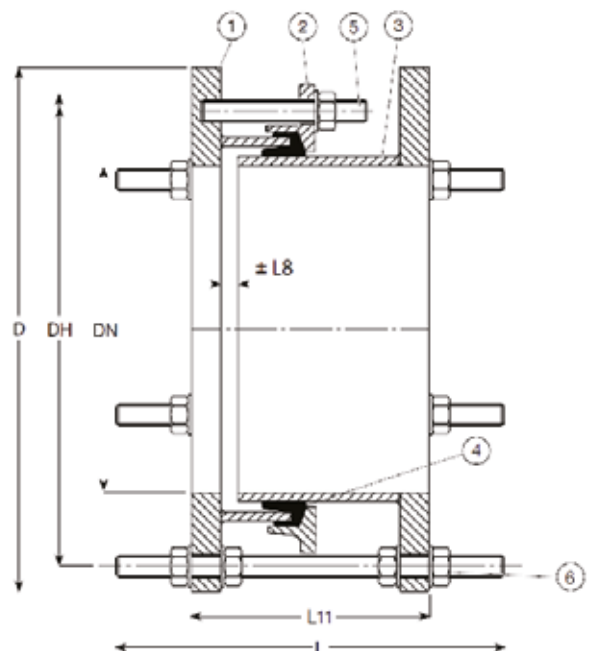
Series 265/30 Dismantling Joint



AVK Reference	DN	PN	D		E		L	L1		Adj E	Threaded rod			Flange Bolt			Studs		Weight
	mm	bar	PN10	PN16	PN10	PN16	mm	PN10	PN16	mm	PN10	PN16	Qty	PN10	PN16	Qty	Dim	Qty	Kg
			mm		mm			mm			mm			mm			mm		
265-30-0300-11	300	16	445	460	400	410	360	555	575	.+/- 60	M20	M24	4	M20	M24	12	M12	6	60
265-30-0350-11	350	16	505	520	460	470	360	555	575	.+/- 60	M20	M24	4	M20	M24	16	M12	8	70
265-30-0400-11	400	16	565	580	515	525	360	575	585	.+/- 60	M24	M27	4	M24	M27	16	M12	8	80
265-30-0450-11	450	16	615	640	565	585	360	575	585	.+/- 60	M24	M27	5	M24	M27	20	M12	10	90
265-30-0500-11	500	16	670	715	620	650	360	575	605	.+/- 60	M24	M30	5	M24	M30	20	M12	10	110
265-30-0600-11	600	16	780	840	725	770	360	585	625	.+/- 60	M27	M33	5	M27	M33	20	M12	10	140
265-30-0700-11	700	16	895	910	840		360	585	625	.+/- 60	M27	M33	6	M27	M33	24	M12	12	155
265-30-0800-11	800	16	1015	1025	950		360	605	645	.+/- 60	M30	M36	6	M30	M36	24	M12	12	170
265-30-0900-11	900	16	1115	1125	1050		360	605	645	.+/- 60	M30	M36	7	M30	M36	28	M12	14	190
265-30-1000-11	1000	16	1230	1255	1160	1170	370	625	665	.+/- 60	M33	M39	7	M33	M39	28	M12	14	230
265-30-1200-11	1200	16	1455	1485	1380	1390	370	645	665	.+/- 60	M36	M45	8	M36	M45	32	M12	16	290
265-30-0300-01	300	10	445	460	400	410	360	555	575	.+/- 60	M20	M24	4	M20	M24	12	M12	6	60
265-30-0350-01	350	10	505	520	460	470	360	555	575	.+/- 60	M20	M24	4	M20	M24	16	M12	8	70
265-30-0400-01	400	10	565	580	515	525	360	575	585	.+/- 60	M24	M27	4	M24	M27	16	M12	8	80
265-30-0450-01	450	10	615	640	565	585	360	575	585	.+/- 60	M24	M27	5	M24	M27	20	M12	10	90
265-30-0500-01	500	10	670	715	620	650	360	575	605	.+/- 60	M24	M30	5	M24	M30	20	M12	10	110
265-30-0600-01	600	10	780	840	725	770	360	585	625	.+/- 60	M27	M33	5	M27	M33	20	M12	10	140
265-30-0700-01	700	10	895	910	840		360	585	625	.+/- 60	M27	M33	6	M27	M33	24	M12	12	155
265-30-0800-01	800	10	1015	1025	950		360	605	645	.+/- 60	M30	M36	6	M30	M36	24	M12	12	170
265-30-0900-01	900	10	1115	1125	1050		360	605	645	.+/- 60	M30	M36	7	M30	M36	28	M12	14	190
265-30-1000-01	1000	10	1230	1255	1160	1170	370	625	665	.+/- 60	M33	M39	7	M33	M39	28	M12	14	230
265-30-1200-01	1200	10	1455	1485	1380	1390	370	645	665	.+/- 60	M36	M45	8	M36	M45	32	M12	16	290

Materials of Construction

No.	Description	Material
1	Flanged sleeve	Mild Steel to BS EN 10025 FE430 B
2	Gland Ring	Mild Steel to BS EN 10025 FE430 B
3	Flanged Spigot	Mild Steel to BS EN 10025 FE430 B
4	Seal	EPDM
5	Stud / Nuts / Washer	Sheraplex® Steel 8.8,
6	Tie rod / nut / washer coating	Zinc plated + passivated steel 8.8



Series 265/50-001

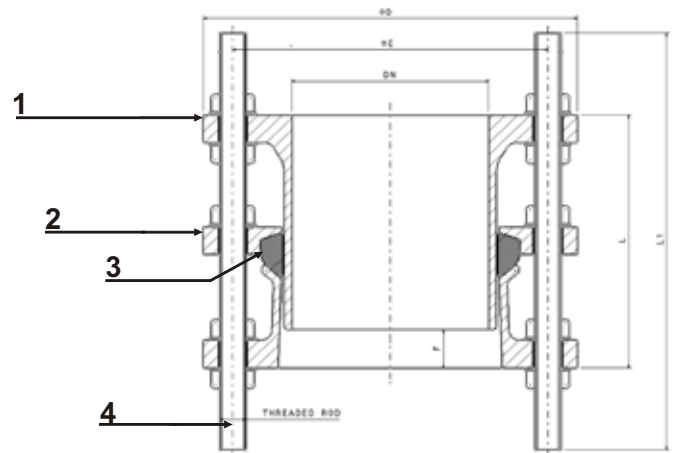
Dismantling Joint DN50-250



AVK Reference	DN	PN	D			E			L	L1			Adj F	Threaded Rod			Weight
	mm	bar	PN10	PN16	CL150	PN10	PN16	CL150	mm	PN10	PN16	CL150	mm	PN10	PN16	CL150	Kg
			mm			mm				mm				mm			
265-50-0050-11	50	16	165	165	165	125	125	120.6	200	330	330	330	±30	M16	M16	M16	13.3
265-50-0065-11	65	16	185	185	185	145	145	139.7	200	330	330	330	±30	M16	M16	M16	15.6
265-50-0080-11	80	16	200	200	200	160	160	152.4	200	330	330	330	±30	M16	M16	M16	20.4
265-50-0100-11	100	16	220	220	220	180	180	190.5	200	330	330	330	±30	M16	M16	M16	24.8
265-50-0125-11	125	16	250	250	250	210	210	215.9	200	330	330	330	±30	M16	M16	M20	29.1
265-50-0150-11	150	16	285	285	285	240	240	241.3	200	330	330	330	±30	M20	M20	M20	36.7
265-50-0200-11	200	16	340	340	340	295	295	298.4	280	430	430	430	±40	M20	M20	M20	52.1
265-50-0250-11	250	16	405	405	405	350	355	362	280	430	450	450	±40	M20	M24	M24	72.9

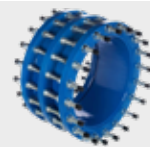
Materials of Construction

No.	Description	Material
1	End flanges	SG Iron BS EN 1563GJS 450/10
2	Gland flanges	Mild steel to EN 10025:2004 S235
3	Seal	EPDM
4	Tie rod / nut / washer coating	Steel 4.6, zinc plated and passivated Fusion bonded epoxy coating to WIS 4-52-01.



TECHNICAL INFORMATION

Series 265/50-002 Dismantling Joint

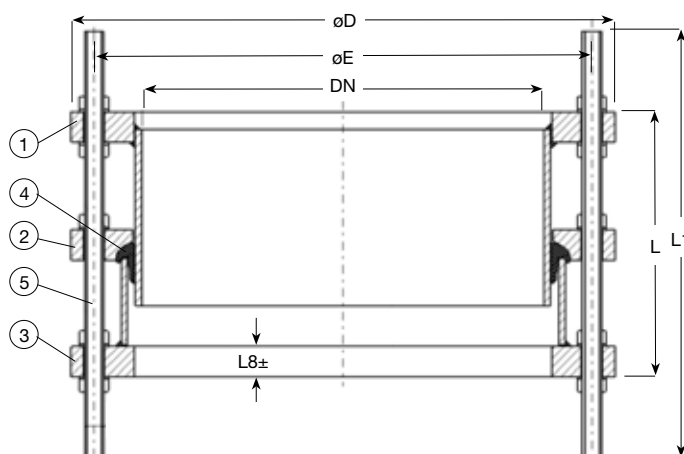


AVK Reference	DN	ØA		ØB		L	Tie Rod Length L1		Adj C	Tie Rod Size		Weight	
		PN10	PN16	PN10	PN16		PN10	PN16		PN10	PN16	PN10	PN16
		mm	mm	mm	mm		mm	mm		mm	mm	Kg	
265-50-0300-XY	300	445	460	400	410	280	430	450	+/- 40	M20	M24	72	85
265-50-0350-XY	350	505	520	460	470	280	430	450	+/- 40	M20	M24	93	115
265-50-0400-XY	400	565	580	515	525	280	430	450	+/- 40	M24	M27	127	156
265-50-0450-XY	450	615	640	565	585	330	530	550	+/- 50	M24	M27	172	213
265-50-0500-XY	500	670	715	620	650	330	530	550	+/- 50	M24	M30	181	273
265-50-0600-XY	600	780	840	725	770	330	550	550	+/- 50	M27	M33	225	370
265-50-0700-XY	700	895	910	840	840	330	550	550	+/- 50	M27	M33	286	420
265-50-0800-XY	800	1015	1025	950	950	400	650	670	+/- 60	M30	M36	405	499
265-50-1000-XY	1000	1230	1255	1160	1170	400	660	670	+/- 60	M33	M39	688	900
265-50-1200-XY	1200	1455	1485	1380	1390	450	730	750	+/- 70	M36	M45	880	1032
265-50-1400-XY	1400	1675	1685	1590	1590	500	780	800	+/- 75	M39	M45	1230	1518
265-50-1600-XY	1600	1915	1930	1820	1820	500	790	830	+/- 75	M45	M52	1497	1823
265-50-1800-XY	1800	2115	2130	2020	2020	600	930	930	+/- 80	M45	M52	1865	2100
265-50-2000-XY	2000	2325	2230	2230	2230	600	930	950	+/- 80	M45	M56	2169	TBC
265-50-2200-XY	2200	2550	N/A	2440	N/A	600	950	N/A	+/- 80	M52	N/A	TBC	TBC

When ordering: X = 0 for PN10, 1 for PN16, 2 for PN25
Y = 0 without tie-rods, 1 with tie-rods

Materials of Construction

No.	Description	Material
1	Flanges	Mild Steel to EN 10025: 2004 S235 JR
2	Gland Ring	Mild Steel to EN 10025: 2004 S235 JR
3	Body	Mild Steel to EN 10025: 2004 S235 JR
4	Seal	EPDM
5	Tie rod / nut / washer coating	Steel 4.6, Zinc Plated and Passivated
	Coating	Fusion Bonded Epoxy Coating to WIS 4-52-01 or Wet Sprayed Dependent upon Size WRAS Approved
	Domed Caps	Plastic











WALL STARTERS AND END CAPS

WALL STARTERS - WALL COUPLING



SERIES	717/30-002	717/30-003	717/30-005	717/30-006
				
Product Description	Type 2 Coupling to Plain End	Type 3 Coupling to Flange	Type 5 Flange to Flange	Type 6 Flange to Plain End
Range	DN350 - 1200	DN350 - 1200	DN350 - 1200	DN350 - 1200
Pipe Material				
Polyethylene	•	•	•	•
PVC	•	•	•	•
Ductile iron pipe	•	•	•	•
Cast iron class AB	•	•	•	•
Cast iron class CD	•	•	•	•
GRP	•	•	•	•
Steel pipe	•	•	•	•
Stainless Steel pipe	•	•	•	•
Clay	•	•	•	•
Concrete	•	•	•	•
Asbestos Cement	•	•	•	•
Technical pages	57	58	59	60

PRODUCT SELECTOR



SERIES TYPE

717/30-002

717/30-003

717/30-005



DESCRIPTION

AVK FABRICATED WALL STARTER COUPLING TO PLAIN END (TYPE 2)

AVK FABRICATED WALL STARTER COUPLING TO FLANGE (TYPE 3)

AVK FABRICATED WALL STARTER COUPLING FLANGE TO FLANGE (TYPE 5)

APPLICATION

Suitable for all service pipes for use with water and waste water

Suitable for all ferrous pipes, uPVC and AC, for use with water and waste water

Suitable for all ferrous pipes, uPVC and AC, for use with water and waste water

MAIN FEATURES

- Range of fitting lengths 400-1000mm
- Fusion bonded epoxy coating
- Range of fastener materials
- EPDM seals for water, NBR for waste water
- WRAS approved materials

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- Range of fastener materials
- EPDM seals for water, NBR for waste water
- WRAS approved materials

- Range of fitting lengths 400-1000mm
- Fusion bonded epoxy coating
- Range of fastener materials
- EPDM seals for water, NBR for waste water
- WRAS approved materials

MAIN OPTIONS

- Various terminations - plain ended, flanged (part drilled and tapped), universal coupling or combination of any

- Various terminations - plain ended, flanged (part drilled and tapped), universal coupling or combination of any

- Various terminations - plain ended, flanged (part drilled and tapped), universal coupling or combination of any

SIZE

DN350 - 1600

DN350 - 1600

DN350 - 1600

MAX WORKING PRESSURE

PN16

PN16

PN16

TEMPERATURE RANGE

-10°C to +70°C

-10°C to +70°C

-10°C to +70°C

BODY MATERIAL

Mild Steel
EN 10025 S275JR

Mild Steel
EN 10025 S275JR

Mild Steel
EN 10025 S275JR

APPLICABLE STANDARDS

Reg 31 compliant

BS EN 1092 (ISO 7005-2)
Reg 31 compliant

BS EN 1092 (ISO 7005-2)
Reg 31 compliant



PRODUCT SELECTOR

SERIES TYPE

717/30-006



DESCRIPTION

AVK FABRICATED WALL STARTER FLANGE TO PLAIN END (TYPE 6)

APPLICATION

Suitable for all ferrous pipes, uPVC and AC, for use with water and waste water

MAIN FEATURES

- Range of fitting lengths 400-1000mm
- Fusion bonded epoxy coating
- Range of fastener materials
- EPDM seals for water, NBR for waste water
- WRAS approved materials

MAIN OPTIONS

- Various terminations - plain ended, flanged (part drilled and tapped), universal coupling or combination of any

SIZE

DN350 - 1600

MAX WORKING PRESSURE

PN16

TEMPERATURE RANGE

-10°C to +70°C

BODY MATERIAL

Mild Steel
EN 10025 S275JR

APPLICABLE STANDARDS

BS EN 1092 (ISO 7005-2)
Reg 31 compliant



TECHNICAL INFORMATION

Series 717/30-002 Fabricated Wall Starter Coupling to Plain End (Type 2)

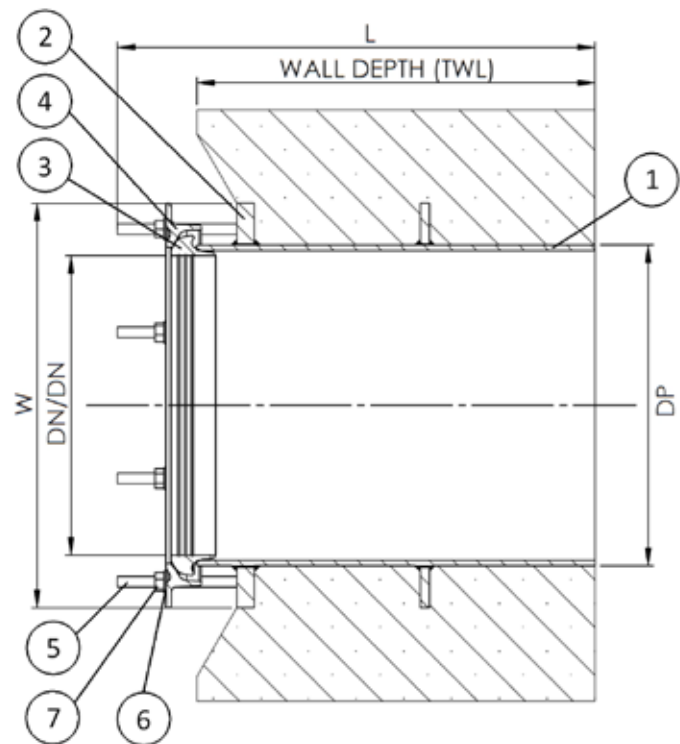


AVK Reference	Range	DN	PN	Weight
		mm	bar	kg
717-AAAA-2-CCCC-1	250-400mm long	350	16	TBC
717-AAAA-2-CCCC-1	250-400mm long	400	16	TBC
717-AAAA-2-CCCC-1	250-400mm long	450	16	TBC
717-AAAA-2-CCCC-1	250-400mm long	500	16	TBC
717-AAAA-2-CCCC-1	250-400mm long	600	16	TBC
717-AAAA-2-CCCC-1	250-400mm long	700	16	TBC
717-AAAA-2-CCCC-1	250-400mm long	800	16	TBC
717-AAAA-2-CCCC-1	250-400mm long	900	16	TBC
717-AAAA-2-CCCC-1	250-400mm long	1000	16	TBC
717-AAAA-2-CCCC-1	250-400mm long	1200	16	TBC

When ordering: AAAA = DN - CCCC = Through wall length

Materials of Construction

No.	Description	Material
1	Body	Steel S275JR
2	Flange	Steel S275JR
3	Seal	EPDM
4	Gland ring	Steel S275JR
5	Stud	Steel gr. 8.8
6	Washer	Steel gr. 8.8
7	Nut	Steel gr. 8.8
8	Coating	Epoxy



TECHNICAL INFORMATION

Series 717/30-003 Fabricated Wall Starter Coupling to Flange (Type 3)

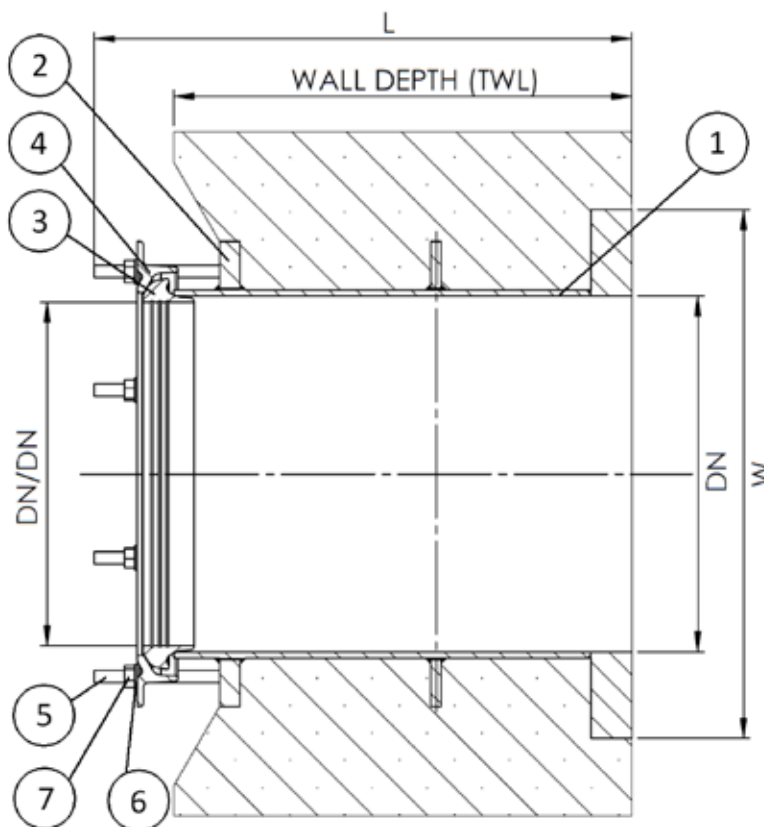


AVK Reference	Range	DN	PN	Weight
		mm	bar	kg
717-AAAA-3-CCCC-1	250-400mm long	350	16	TBC
717-AAAA-3-CCCC-1	250-400mm long	400	16	TBC
717-AAAA-3-CCCC-1	250-400mm long	450	16	TBC
717-AAAA-3-CCCC-1	250-400mm long	500	16	TBC
717-AAAA-3-CCCC-1	250-400mm long	600	16	TBC
717-AAAA-3-CCCC-1	250-400mm long	700	16	TBC
717-AAAA-3-CCCC-1	250-400mm long	800	16	TBC
717-AAAA-3-CCCC-1	250-400mm long	900	16	TBC
717-AAAA-3-CCCC-1	250-400mm long	1000	16	TBC
717-AAAA-3-CCCC-1	250-400mm long	1200	16	TBC

When ordering: AAAA = DN - CCCC = Through wall length

Materials of Construction

No.	Description	Material
1	Body	Steel S275JR
2	Flange	Steel S275JR
3	Seal	EPDM
4	Gland ring	Steel S275JR
5	Stud	Steel gr. 8.8
6	Washer	Steel gr. 8.8
7	Nut	Steel gr. 8.8
8	Coating	Epoxy





Series 717/30-005

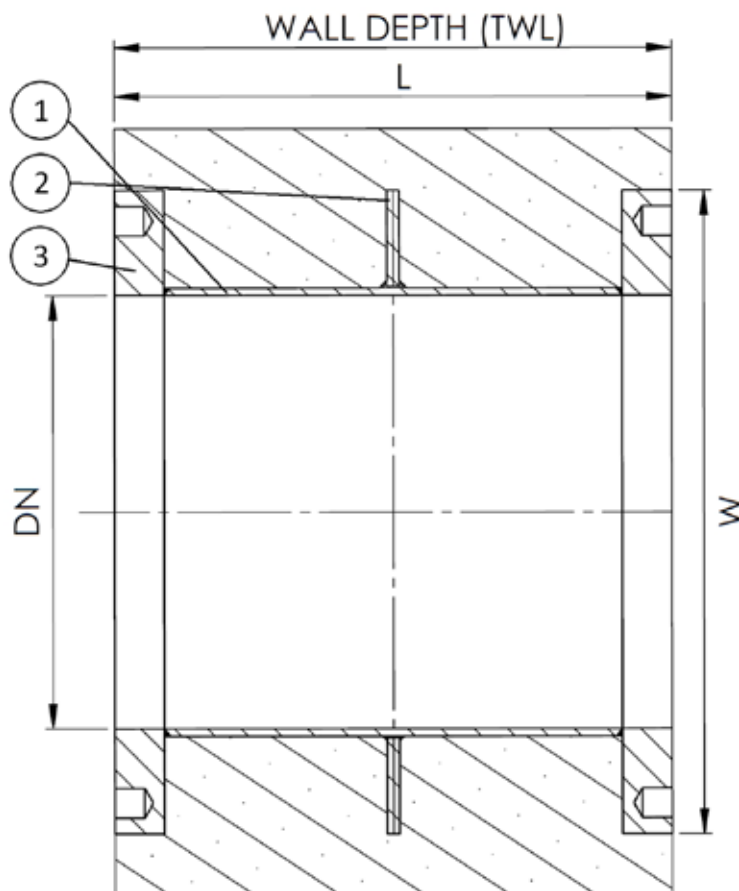
Fabricated Wall Starter Coupling Flange to Flange (Type 5)



AVK Reference	DN	PN	Through wall	H3	L	W	Weight
	mm	bar	L / mm	mm	mm	mm	kg
717-0400-5-0250-1	400	16	250	520	250	520	98
717-0400-5-0400-1	400	16	400	580	400	580	106
717-0400-5-0500-1	400	16	500	580	500	580	112
717-0400-5-0800-1	400	16	800	580	800	580	129
717-0600-5-0250-1	600	16	250	840	250	840	199
717-0600-5-0400-1	600	16	400	840	400	840	228
717-0600-5-0500-1	600	16	500	840	500	840	237
717-0600-5-0800-1	600	16	800	840	800	840	264
717-0800-5-0400-1	800	16	400	1025	400	1025	290
717-0800-5-0500-1	800	16	500	1025	500	1025	302
717-1000-5-0400-1	1000	16	400	1255	400	1255	417
717-1000-5-0500-1	1000	16	500	1255	500	1255	432
717-1000-5-0800-1	1000	16	800	1255	800	1255	476

Materials of Construction

No.	Description	Material
1	Body	Steel S275JR
2	Centre flange	Steel S275JR
3	End flange	Steel S275JR
4	Coating	Epoxy



TECHNICAL INFORMATION

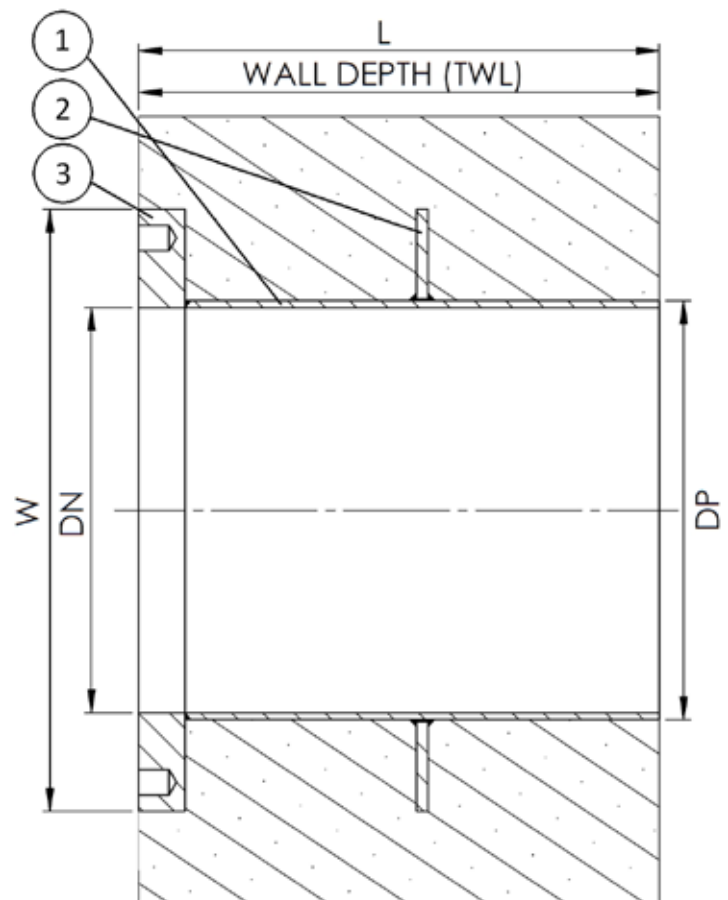
Series 717/30-006 Fabricated Wall Starter Flange to Plain End (Type 6)



AVK Reference	DN mm	PN bar	Through wall L / mm	H3 mm	L mm	W mm	Weight kg
717-0350-6-02501	350	16	250	520	250	520	60
717-0400-6-04001	400	16	400	580	400	580	71
717-0400-6-05001	400	16	500	580	500	580	77
717-0400-6-08001	400	16	800	580	800	580	95
717-0600-6-04001	600	16	400	840	400	840	147
717-0600-6-05001	600	16	500	840	500	840	156
717-0600-6-08001	600	16	800	840	800	840	183
717-0800-6-03001	800	16	300	1025	300	1025	179
717-0800-6-04001	800	16	400	1025	400	1025	187
717-0800-6-05001	800	16	500	1025	500	1025	198
717-0800-6-08001	800	16	800	1025	800	1025	234
717-1000-6-04001	1000	16	400	1255	400	1255	282
717-1000-6-05001	1000	16	500	1255	500	1255	297
717-1000-6-08001	1000	16	800	1255	800	1255	341

Materials of Construction

No.	Description	Material
1	Body	Steel S275JR
2	Centre flange	Steel S275JR
3	End flange	Steel S275JR
4	Coating	Steel S275JR









WALL STARTERS AND END CAPS

END CAPS



SERIES	248/30	634
		
Product Description	Universal End Cap	Universal Supa Maxi™ End Cap
Range	DN80 - 300	DN50 - 400
End Restraint	No	Yes
Pipe Material		
Polyethylene	•	•
PVC	•	•
Ductile iron pipe	•	•
Cast iron class AB	•	•
Cast iron class CD	•	•
GRP	•	•
Steel pipe	•	•
Stainless Steel pipe	•	•
Clay	•	•
Concrete	•	•
Asbestos Cement	•	•
Technical pages	64	65

PRODUCT SELECTOR



SERIES TYPE

248/30

634



DESCRIPTION

AVK UNIVERSAL END CAP,

**AVK SUPAMAXI™
END CAP**

APPLICATION

Suitable for blanking off the ends of unused ferrous water and waste water

For PE, PVC, AC all ferrous pipes, for use water and waste water

MAIN FEATURES

- Fusion bonded epoxy coated
- Corrosion resistant
- Lightweight
- Simple to use
- Universal sealing range
- Suitable for use with non potable water

- Ductile iron sleeve
- Cast steel bracket with epoxy coating
- GSK approved internally and externally to DIN 30677-2
- Max ±4° angular deflection on each side
- DVGW and NF approved EPDM rubber gasket
- A2 stainless steel bolts and washers
- A4 stainless steel nuts

MAIN OPTIONS

- Drilled and tapped boss ½" - 2" BSP
- Available above 300mm as fabricated version for all ferrous pipes

- 1 ¼" and 2" drilled & tapped
- Gunmetal grip segment for use with PE & PVC
- Gas options PN10
- Internal support bush

SIZE

DN80 - 300

DN50 - 300

MAX WORKING PRESSURE

PN10

PN16

TEMPERATURE RANGE

-10°C to + 70°C

-10°C to + 70°C

BODY MATERIAL

Ductile Iron
BS EN 1563, GJS-400-15

Ductile Iron
GJS-400-15

APPLICABLE STANDARDS

WIS-4-52-01
Reg 31 compliant

EN 14525
GJS-400-12
DIN 30677-2
Reg 31 compliant

TECHNICAL INFORMATION

Series 248 End Cap



AVK Reference	Nominal Pipe Size		Sealing Range
	Inch	mm	
248-31-0-03-X11	3	80	88-99
248-31-0-04-X11	4	100	138-124
248-31-0-05-X11	5	125	167-152
248-31-0-06-X11	6	150	167-179
248-31-0-07-X11	7	175	192-207
248-31-0-08-X11	8	200	217-234
248-31-0-09-X11	9	225	242-261
248-31-010-X11	10	250	270-288
248-31-0-12-X11	12	300	320-336

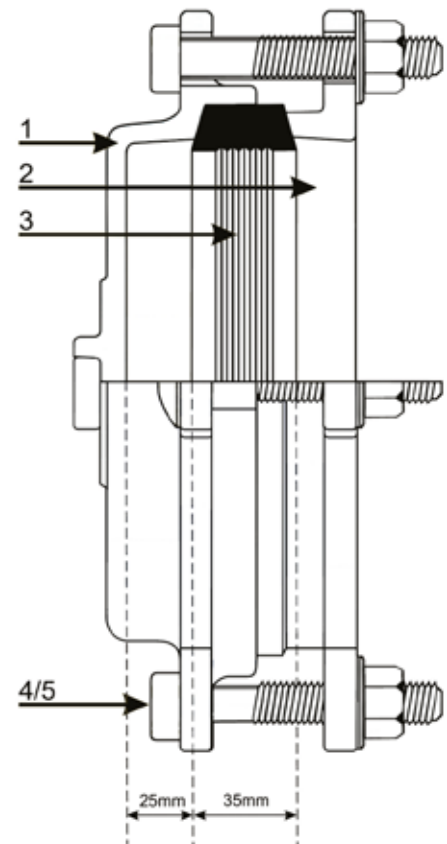
Sizes DN350-1200mm on request.

When ordering: X=0 for Plain Boss, 5 for 2" Boss.

Note: Other drilling and tapping sizes are available on request.

Materials of Construction

No.	Description	Material
1	End cap	Ductile iron, BS EN 1563 1997. GJS-400-15
2	Gland ring	Ductile iron, BS EN 1563 1997.GJS-400-15
3	Gasket	NBR
4	Bolts	Steel bolts 8.8, square head, square shank, zinc plated and passivated.
5	Nuts	Hex. Head grade 8, zinc plated and passivated
6	Coating	Epoxy coated to WIS 4-52-01



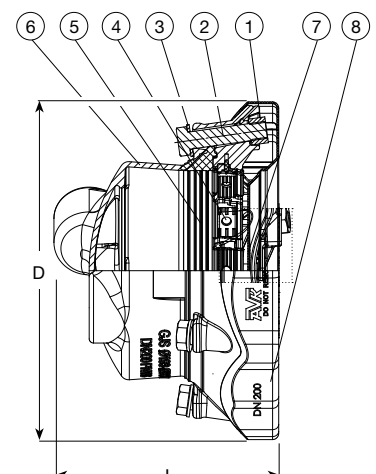
Series 634 Supa Maxi™ end cap



AVK Reference	Thread	DN	PN	T	L	D	Weight
	Inch	mm	bar	mm	mm	mm	Kg
634-071-00-016	1 ¼" BSP thread, in line	50	PN16	48 - 71	195	200	4.0
634-091-00-016	1 ¼" BSP thread, in line	65	PN16	69 - 91	218	226	5.0
634-106-00-016	1 ¼" BSP thread, in line	80	PN16	82 - 106	220	235	5.5
634-133-00-016	1 ¼" BSP thread, in line	100	PN16	104 - 133	230	268	8.0
634-161-00-016	1 ¼" BSP thread, in line	125	PN16	132 - 161	220	285	9.0
634-188-00-016	1 ¼" BSP thread, in line	150	PN16	159 - 188	238	340	11
634-227-00-016	1 ¼" BSP thread, in line	200	PN16	193 - 227	259	389	16
634-257-00-016	1 ¼" BSP thread, in line	225	PN16	224 - 257	277	437	19
634-301-00-016	1 ¼" BSP thread, in line	250	PN16	266 - 301	272	476	22
634-356-00-016	1 ¼" BSP thread, in line	300	PN16	314 - 356	300	545	29
634-442-00-016	1 ¼" BSP thread, in line	400	PN16	392 - 442	315	661	58
634-071-01-016	1 ¼" BSP thread, in line, short model	50	PN16	48 - 71	150	200	3.8
634-091-01-016	1 ¼" BSP thread, in line, short model	65	PN16	69 - 91	155	226	4.4
634-071-01-036	2" BSP thread, in line, short model	50	PN16	48 - 71	150	200	3.8
634-091-01-036	2" BSP thread, in line, short model	65	PN16	69 - 91	155	226	4.4
634-071-01-056	1½" BSP thread, in line, short model	50	PN16	48 - 71	150	200	3.8
634-091-01-056	1½" BSP thread, in line, short model	65	PN16	69 - 91	155	226	4.4
634-071-01-066	1" BSP thread, in line, short model	50	PN16	48 - 71	150	200	3.8
634-091-01-066	1" BSP thread, in line, short model	65	PN16	69 - 91	155	226	4.4
634-091-00-036	2" BSP thread, in line	65	PN16	69 - 91	218	226	5.0
634-106-00-036	2" BSP thread, in line	80	PN16	82 - 106	220	235	5.5
634-133-00-036	2" BSP thread, in line	100	PN16	104 - 133	230	268	8.0
634-161-00-036	2" BSP thread, in line	125	PN16	132 - 161	220	285	9.0
634-188-00-036	2" BSP thread, in line	150	PN16	159 - 188	238	340	11
634-227-00-036	2" BSP thread, in line	200	PN16	193 - 227	259	389	16
634-257-00-036	2" BSP thread, in line	225	PN16	224 - 257	277	437	19
634-301-00-036	2" BSP thread, in line	250	PN16	266 - 301	272	476	22
634-356-00-036	2" BSP thread, in line	300	PN16	314 - 356	300	545	29
634-442-00-036	2" BSP thread, in line	400	PN16	392 - 442	315	661	58

MATERIALS OF CONSTRUCTION

No.	Description	Material
1	Nut	Acid resistant stainless steel A4
2	Bolt	Stainless steel A2
3	Washer	Stainless steel A2
4	Grip segment	Gunmetal RG5 and stainless steel
5	Gasket	EPDM
6	Sleeve	Ductile iron GJS-450 (GGG-45)
7	Bracket	Cast steel
8	Protection cap	Recyclable PE









REPAIR CLAMPS AND TEES

REPAIR COLLARS & CLAMPS



SERIES	201/30	202/30	203/30	260/30
				
Product Description	Cast Iron Split Repair Collar	Stainless Steel Multiple Band Repair Clamp	Stainless Steel Single Band Repair Clamp	Stainless Steel Single Band Repair Clamp
Range	DN50 - 250	DN80 - 900	DN50 - 300	DN40 - 315
Pressure Rating	PN7	PN3/5/7/10	PN7	PN7/10
Pipe Material				
Polyethylene				
PVC		•	•	•
Ductile iron pipe		•		•
Cast iron class AB	•	•		•
Cast iron class CD	•	•		•
GRP			•	
Steel pipe		•	•	•
Stainless Steel pipe		•	•	•
Clay			•	
Concrete				
Asbestos Cement		•		•
NOTE:			Min order qty 100	
Technical pages	69	70	71	72 - 73

PRODUCT SELECTOR



SERIES TYPE	201/30	202/30	203/30
 	 	 	
DESCRIPTION	<p>AVK LEADLESS SPLIT REPAIR COLLAR</p>	<p>AVK MULTIPLE BAND REPAIR CLAMP</p>	<p>AVK PIPE SAVER REPAIR CLAMP</p>
APPLICATION	<p>For all cast iron pipes, for use with water and waste water</p>	<p>Suitable for all ferrous pipes, PVC and AC, for use with water and waste water</p>	<p>Suitable for all service pipes for use with water and waste water</p>
MAIN FEATURES	<ul style="list-style-type: none"> • Dedicated for cast iron pipe work • Corrosion resistant design • Fusion bonded epoxy coating • EPDM seals 	<ul style="list-style-type: none"> • Versatile design • Corrosion resistant construction • Lightweight • Available in multiples of 150mm upto 2400mm • Bitumen coated lugs 	<ul style="list-style-type: none"> • Quick and simple to use • Corrosion resistant design • Lightweight
MAIN OPTIONS	<ul style="list-style-type: none"> • Drilled and tapped boss ½" - 2" BSP • Emergency service 	<ul style="list-style-type: none"> • Double or triple band option • Threaded bosses ½" – 2" BSP • Can be fabricated up to DN1400mm OD • Emergency service • For high pressure version please see the Series 729 - contact for details 	<ul style="list-style-type: none"> • Fitting length 60mm or 100mm • Hexagon nut or wing nut • Emergency service
SIZE	<p>DN50 - 300</p>	<p>DN80 - 1400</p>	<p>DN15 - 60</p>
MAX WORKING PRESSURE	<p>PN7</p>	<p>PN3/5/7/10 ≤ 300mm</p>	<p>PN7/10</p>
TEMPERATURE RANGE	<p>-10°C to +70°C</p>	<p>-10°C to +70°C</p>	<p>-30°C to + 70°C</p>
BODY MATERIAL	<p>Grey Cast Iron GG-25</p>	<p>Stainless Steel AISI 316</p>	<p>Stainless Steel AISI 316</p>
APPLICABLE STANDARDS	<p>WIS-4-52-01 Reg 31 compliant</p>	<p>Reg 31 compliant</p>	<p>WIS-4-52-01 Reg 31 compliant</p>

PRODUCT SELECTOR

SERIES TYPE

206/30



DESCRIPTION

AVK SINGLE BAND REPAIR CLAMP

APPLICATION

Suitable for all ferrous pipes, PVC and AC, for use with water and waste water

MAIN FEATURES

- Excellent re-sealing characteristics
- Corrosion resistant design
- Lightweight
- Versatile design tolerance
- Length available in multiples of 150mm upto 1200mm
- Bitumen coated lugs

MAIN OPTIONS

- Can be manufactured up to 260 OD
- Threaded bosses 1/2" - 2" BSP
- Emergency service
- For high pressure version please see the Series 729 - contact for details

SIZE

DN50 - 350

MAX WORKING PRESSURE

PN7/10 < 300mm

TEMPERATURE RANGE

-10°C to +70°C

BODY MATERIAL

Stainless Steel
AISI 316

APPLICABLE STANDARDS

Reg 31 compliant



TECHNICAL INFORMATION

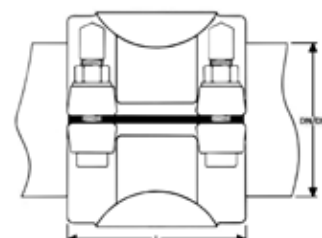
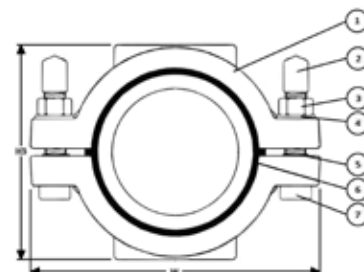
Series 201/30 Cast Iron Leadless Split Repair Clamp



AVK Reference	Boss Inch	Range	DN	PN	H3	L	W	Bolt No	Weight
			mm	bar	mm	mm	mm		Kg
201-30-020-01	Plain boss	2" x 67–71mm	50	7	121	134	190	4	9
201-30-030-01	Plain boss	3" x 93–97mm	80	7	142	136	201	4	9.8
201-30-040-01	Plain boss	4" x 120–124mm	100	7	168	139	226	4	10
201-30-050-01	Plain boss	5" x 148–152mm	125	7	200	146	273	4	15
201-30-060-01	Plain boss	6" x 175–179mm	150	7	225	165	298	4	19
201-30-080-01	Plain boss	8" x 230–234mm	200	7	290	200	382	4	29
201-30-090-01	Plain boss	9" x 257–261mm	225	7	320	230	408	4	33
201-30-100-01	Plain boss	10" x 284–288mm	250	7	250	230	436	4	36
201-30-020-21	¾" BSP	2" x 67–71mm	50	7	121	134	190	4	9
201-30-030-21	¾" BSP	3" x 93–97mm	80	7	142	136	201	4	9.8
201-30-040-21	¾" BSP	4" x 120–124mm	100	7	168	139	226	4	10
201-30-050-21	¾" BSP	5" x 148–152mm	125	7	200	146	273	4	15
201-30-060-21	¾" BSP	6" x 175–179mm	150	7	225	165	298	4	18
201-30-080-21	¾" BSP	8" x 230–234mm	200	7	290	200	382	4	29
201-30-090-21	¾" BSP	9" x 257–261mm	225	7	320	230	408	4	33
201-30-100-21	¾" BSP	10" x 284–288mm	250	7	250	230	436	4	36
201-30-020-31	1" BSP	2" x 67–71mm	50	7	121	134	190	4	9
201-30-030-31	1" BSP	3" x 93–97mm	80	7	142	136	201	4	9.8
201-30-040-31	1" BSP	4" x 120–124mm	100	7	168	139	226	4	10
201-30-060-31	1" BSP	6" x 175–179mm	150	7	225	165	298	4	18
201-30-040-41	1½" BSP	4" x 120–124mm	100	7	168	139	226	4	10
201-30-060-41	1½" BSP	6" x 175–179mm	150	7	225	165	298	4	18
201-30-020-51	2" BSP	2" x 67–71mm	50	7	121	134	190	4	9
201-30-030-51	2" BSP	3" x 93–97mm	80	7	142	136	201	4	9.8
201-30-040-51	2" BSP	4" x 120–124mm	100	7	168	139	226	4	10
201-30-090-51	2" BSP	9" x 257–261mm	225		320	230	408	4	33

Materials of Construction

No.	Description	Material
1	Collar	Grey cast iron. BS EN 1561-250
2	Domed cap	Black plastic
3	Nuts	Hexagon. grade 4, zinc plated and passivated
4	Washers	Zinc plated and passivated
5	O-ring	NBR
6	Rubber seal	EPDM to BS EN 681-1
7	Bolts	SQ x SQ head grade 4.6, zinc plated and passivated
8	Coating	Fusion bonded epoxy powder coated to WIS - 4-52-01



TECHNICAL INFORMATION

Series 202/30 Multiple Band Repair Clamp



AVK Reference	Range	No of Sectors	Weight
			kg
202-30-0086-XX(YZ)	86-106	2	5.9
202-30-0111-XX(YZ)	111-131	2	6.2
202-30-0138-XX(YZ)	138-158	2	6.5
202-30-0164-XX(YZ)	164-184	2	6.7
202-30-0215-XX(YZ)	215-235	2	7
202-30-0255-XX(YZ)	255-275	2	7.4
202-30-0268-XX(YZ)	268-288	2	7.6
202-30-0319-XX(YZ)	319-339	2	8.1
202-30-0341-XX(YZ)	341-361	2	8.4
202-30-0374-XX(YZ)	374-394	2	8.8
202-30-0395-XX(YZ)	395-415	2	9
202-30-0410-XX(YZ)	410-430	2	9.1
202-30-0422-XX(YZ)	422-442	2	9.3
202-30-0449-XX(YZ)	449-469	2	9.6
202-30-0474-XX(YZ)	474-494	2	9.9
202-30-0485-XX(YZ)	485-505	2	10
202-30-0503-XX(YZ)	503-523	2	10.2
202-30-0526-XX(YZ)	526-546	2	10.5
202-30-0558-XX(YZ)	558-578	2	10.8
202-30-0580-XX(YZ)	580-606	3	12.9
202-30-0600-XX(YZ)	600-626	3	13.1
202-30-0629-XX(YZ)	629-655	3	13.2
202-30-0663-XX(YZ)	663-689	3	13.5
202-30-0702-XX(YZ)	702-728	3	13.9
202-30-0725-XX(YZ)	725-751	3	14.1
202-30-0753-XX(YZ)	753-779	3	14.3
202-30-0801-XX(YZ)	801-827	3	14.7
202-30-0836-XX(YZ)	836-862	3	15
202-30-0852-XX(YZ)	852-878	3	15.1
202-30-0903-XX(YZ)	903-929	3	15.5
202-30-0930-XX(YZ)	930-956	3	15.8

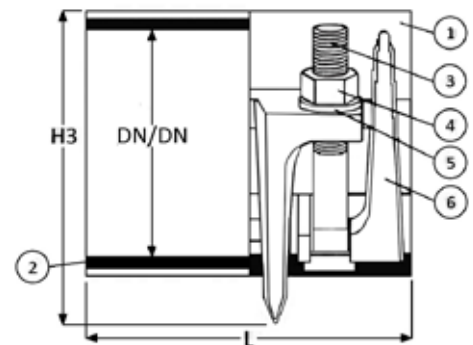
Length: XX = 06 for 150mm, 12 for 300mm, 18 for 450mm, 24 for 600mm.

Outlet: Y = 0 for plain, 2 for 3/4" BSP, 3 for 1" BSP, 4 for 1.5", 5 for 2" BSP. Z = Option for ZP & P Bolts: None/0 - HDG, 1 - ZP & P.

Note : Other dimensions up to 36"/900mm available on request. All tappings to BS21.1985 'parallel'.

Materials of Construction

No.	Description	Material
1	Boss (Optional)	Carbon steel to BS EN10025: 1990, grade FE430 B or to BS1503.221.430.
2	Body	Stainless steel AISI 316
3	Gasket	EPDM
4	Bolts	Grade 8.8, zinc plated and passivated.
5	Nuts	Grade 8.8, zinc plated and passivated.
6	Lugs	Ductile Iron, BS EN 1563 EN-GJS-450-10
	Coating (Lugs)	Bitumen coated
	Domed cap	Plastic



Series 203/30

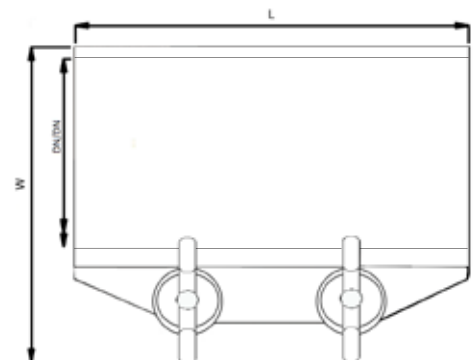
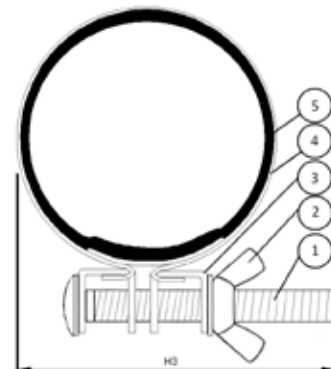
Pipe Saver Repair Clamp



AVK Reference	DN	PN	L	OA Pipe D ext Range	Weight
	mm	bar	mm	mm	Kg
203-30-015-06	15	7	60	15 - 22	0.12
203-30-027-06	27	7	60	27 - 35	0.14
203-30-041-06	41	7	60	41 - 48	0.16
203-30-048-06	48	7	60	48 - 55	0.18
203-30-054-06	54	7	60	54 - 60	0.19
203-30-015-10	15	7	100	15 - 22	0.20
203-30-027-10	27	7	100	27 - 35	0.23
203-30-041-10	41	7	100	41 - 48	0.27
203-30-048-10	48	7	100	48 - 55	0.29
203-30-054-10	54	7	100	54 - 60	0.30

Materials of Construction

No.	Description	Material
1	Bolts	Grade 4.6 Zinc, Plated and Passivated
2	Nuts	Grade 4 Zinc, Plated and Passivated
3	Bracket	Mild Steel, Zinc Plated
4	Body	Stainless Steel AISI 316
5	Gasket	Nitrile



TECHNICAL INFORMATION

Series 206/30 Single Band Repair Clamp



AVK Reference	Range	DN	PN	Weight
		mm	bar	kg
206-30-0058-2401	58-68 x 600mm	50	10	12.4
206-30-0060-0601	60-70 x 150mm	50	10	3.2
206-30-0060-0621	60-70 x 150mm	50	10	3.4
206-30-0060-1201	60-70 x 300mm	50	10	6.5
206-30-0063-1201	63-73 x 300mm	50	10	6.2
206-30-0066-0601	66-76 x 150mm	50	10	3.1
206-30-0066-0621	66-76 x 150mm	50	10	3.4
206-30-0066-0631	66-76 x 150mm	50	10	3.4
206-30-0066-1201	66-76 x 300mm	50	10	6.5
206-30-0068-1201	68-78 x 300mm	50	10	6.2
206-30-0070-0601	70-80 x 150mm	65	10	3.4
206-30-0073-0601	73-83 x 150mm	65	10	3.4
206-30-0075-0601	75-85 x 150mm	65	10	3.3
206-30-0075-0621	75-85 x 150mm	65	10	3.5
206-30-0075-1201	75-85 x 300mm	65	10	6.2
206-30-0077-1201	77-87 x 300mm	65	10	6.8
206-30-0086-0601	86-96 x 150mm	80	10	3.3
206-30-0086-0901	86-96 x 225mm	80	10	8.0
206-30-0086-1201	86-96 x 300mm	80	10	6.8
206-30-0086-1801	86-96 x 450mm	80	10	12.3
206-30-0092-0601	92-102 x 150mm	80	10	3.4
206-30-0105-0601	105-115 x 150mm	100	10	3.6
206-30-0109-2401	109-119 x 600mm	100	10	12.8
206-30-0111-0601	111-121 x 150mm	100	10	3.6
206-30-0111-1201	111-121 x 300mm	100	10	7.2
206-30-0118-0601	118-128 x 150mm	100	10	3.7
206-30-0118-1201	118-128 x 300mm	100	10	6.9
206-30-0138-0601	138-148 x 150mm	125	10	3.7
206-30-0146-0601	146-156 x 150mm	125	10	3.8
206-30-0155-0601	155-165 x 150mm	150	10	3.9
206-30-0160-2401	160-170 x 600mm	150	10	16.5
206-30-0164-0601	164-174 x 150mm	150	10	4.0
206-30-0164-0901	164-174 x 225mm	150	10	4.8
206-30-0164-1201	164-174 x 300mm	150	10	7.8
206-30-0164-2401	164-174 x 600mm	150	10	15.6
206-30-0173-0601	173-183 x 150mm	165	10	4.0
206-30-0173-0901	173-183 x 225mm	165	10	6.0
206-30-0173-1201	173-183 x 300mm	165	10	7.9
206-30-0215-0601	215-225 x 150mm	200	10	4.4
206-30-0215-1201	215-225 x 300mm	200	10	13.5
206-30-0220-0601	220-230 x 150mm	200	10	4.7
206-30-0228-0601	228- 238 x 150mm	225	10	4.7

Series 206/30

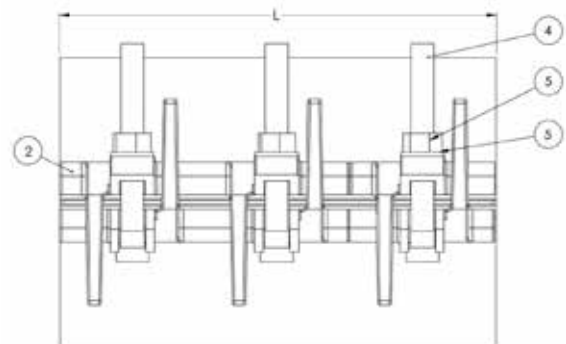
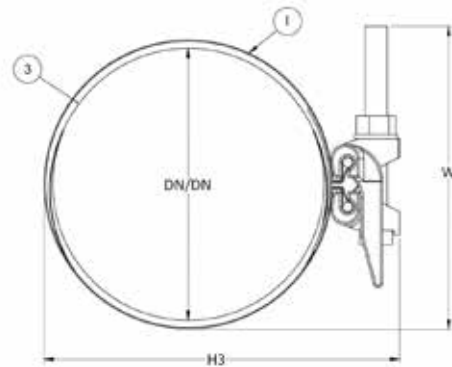
Single Band Repair Clamp



AVK Reference	Range	DN	PN	Weight
		mm	bar	kg
206-30-0255-0601	255-265 x 150mm	250	10	4.8
206-30-0255-1201	255-265 x 300mm	250	10	9.6
206-30-0268-0601	268-278 x 150mm	250	10	4.9
206-30-0268-1201	268-278 x 300mm	250	10	9.7
206-30-0280-0601	280-290 x 150mm	275	10	4.9
206-30-0319-0601	319-329 x 150mm	300	7	5.5
206-30-0319-1201	319-329 x 300mm	300	7	10.9
206-30-0330-0601	330-340 x 150mm	325	7	5.5
206-30-0340-0601	340-350 x 150mm	325	7	5.5
206-30-0340-1201	340-350 x 300mm	325	7	11.0
206-30-0341-1201	341-341 x 300mm	325	7	10.0

Materials of Construction

No.	Description	Material
1	Bolts	Grade 8.8 zinc, plated and passivated.
2	Gasket	EPDM
3	Body	Stainless steel AISI 304min (or 316).
4	Nuts	Grade 8, zinc plated and passivated.
5	Lugs	Ductile iron, BS EN 1563 EN-GJS-450-10
6	Coating (Lugs)	Bitumen coated
7	Domed thread protectors	Plastic







REPAIR CLAMPS AND TEES

UNIVERSAL DUCTILE IRON REPAIR COLLARS & CLAMPS



SERIES	253/30	253/40
		
Product Description	Ductile Iron Supacollar Universal Repair Collar	Universal Supa collar Repair Clamp
Range	DN80 - 300	DN80 - 300
Pressure Rating	PN16	PN10/16
Pipe Material		
Polyethylene		
PVC		
Ductile iron pipe	•	•
Cast iron class AB	•	•
Cast iron class CD	•	•
GRP		
Steel pipe	•	•
Stainless Steel pipe	•	•
Clay		
Concrete		
Asbestos Cement		
Technical pages	76	77

PRODUCT SELECTOR



SERIES TYPE

253/30

253/40



DESCRIPTION

**AVK SUPACOLLAR,
UNIVERSAL REPAIR CLAMP,
WITH TAPPING POINT**

**AVK UNIVERSAL
SUPACOLLAR REPAIR
CLAMP**

APPLICATION

Suitable for all ferrous pipes, PVC and AC, for use with water and waste water

Suitable for all ferrous pipes, PVC and AC, for use with water and waste water

MAIN FEATURES

- Universal across all ferrous pipe types
- Corrosion resistant construction
- Large tolerance range
- Fusion bonded epoxy coating
- Can support realigned, laterally displaced pipe-ends

- Universal across all ferrous pipe types
- Large tolerance range
- Corrosion resistant construction
- Fusion bonded epoxy coating
- Can support realigned, laterally displaced pipe-ends
- Tapping point

MAIN OPTIONS

- Drilled and tapped boss ½" - 2" BSP
- Emergency service

- Drilled and tapped boss ½"
- BSP.
- Emergency service.

SIZE

DN80 - 300

DN80 - 300

MAX WORKING PRESSURE

PN16

PN10/16

TEMPERATURE RANGE

-10°C to +70°C

-10°C to +70°C

BODY MATERIAL

Ductile Iron
BS EN 1563 GJS-400-15

Ductile Iron
BS EN 1563 GJS-400-15

APPLICABLE STANDARDS

WIS-4-52-01
Reg 31 compliant

WIS-4-52-01
Reg 31 compliant

TECHNICAL INFORMATION

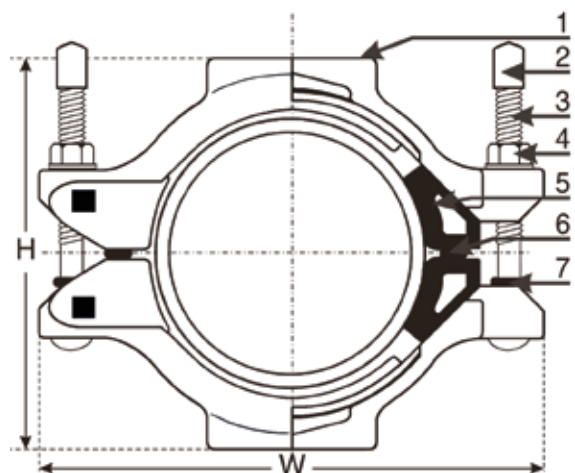
Series 253/30 Supacollar, Universal Repair Clamp



AVK Reference	Boss	Range	DN	PN	Bolt No.	H3	L	W	Weight
	Inch		mm	bar		mm	mm		
253-30-003-01	Plain boss	80 x 85.4-114.0mm	80	16	4	156	157	204	8.2
253-30-004-01	Plain boss	100 x 111.8-139.0mm	100	16	4	186	167	238	12.5
253-30-006-01	Plain boss	150 x 165.2-195.5mm	150	16	4	250	216	312	17.1
253-30-008-01	Plain boss	200 x 215.9-239.7mm	200	16	4	300	220	374	24.6
253-30-010-01	Plain boss	250 x 269.2-293.5mm	250	16	4	360	220	434	31.5
253-30-012-01	Plain boss	300 x 319.9-347.0mm	300	16	4	420	270	500	51.2
253-30-003-2	¾" BSP drilled and tapped boss	80 x 85.4-114.0mm	80	16	4	156	157	204	8.2
253-30-004-2	¾" BSP drilled and tapped boss	100 x 111.8-139.0mm	100	16	4	186	167	238	12.5
253-30-006-21	¾" BSP drilled and tapped boss	150 x 165.2-195.5mm	150	16	4	250	216	312	17.1
253-30-008-21	¾" BSP drilled and tapped boss	200 x 215.9-239.7mm	200	16	4	300	220	374	24.6
253-30-010-21	¾" BSP drilled and tapped boss	250 x 269.2-293.5mm	250	16	4	360	220	434	31.5
253-30-012-21	¾" BSP drilled and tapped boss	300 x 319.9-347.0mm	300	16	4	420	270	500	51.2
253-30-003-3	1" BSP drilled and tapped boss	80 x 85.4-114.0mm	80	16	4	156	157	204	8.2
253-30-004-3	1" BSP drilled and tapped boss	100 x 111.8-139.0mm	100	16	4	186	167	238	12.5
253-30-006-31	1" BSP drilled and tapped boss	150 x 165.2-195.5mm	150	16	4	250	216	312	17.1
253-30-003-4	1½" BSP drilled and tapped boss	80 x 85.4-114.0mm	80	16	4	156	157	204	8.2
253-30-003-51	2" BSP Boss drilled and tapped	80 x 85.4-114.0mm	80	16	4	156	157	204	8.2
253-30-004-51	2" BSP Boss drilled and tapped	100 x 111.8-139.0mm	100	16	4	186	167	238	12.5
253-30-006-51	2" BSP Boss drilled and tapped	150 x 165.2-195.5mm	150	16	4	250	216	312	17.1
253-30-008-51	2" BSP Boss drilled and tapped	200 x 215.9-239.7mm	200	16	4	300	220	374	24.6
253-30-010-51	2" BSP Boss drilled and tapped	250 x 269.2-293.5mm	250	16	4	360	220	434	31.5
253-30-012-51	2" BSP Boss drilled and tapped	300 x 319.9-347.0mm	300	16	4	420	270	500	51.2

Materials of Construction

No.	Description	Material
1	Clamp	Ductile Iron, BS EN 1563 EN-GJS-400-15
2	Domed cap	Black plastic
3	Bolts	Grade 8.8 Sheraplex
4	Nuts	Hexagon, grade 8 Sheraplex
5	Wedge	Ductile Iron, BS EN 1563 EN-GJS-400-15
6	Rubber seals	EPDM to BS EN 681-1
7	O-ring	Nitrile
8	Coating	Fusion Bonded epoxy powder coating to WIS-4-52-01



Series 253/40

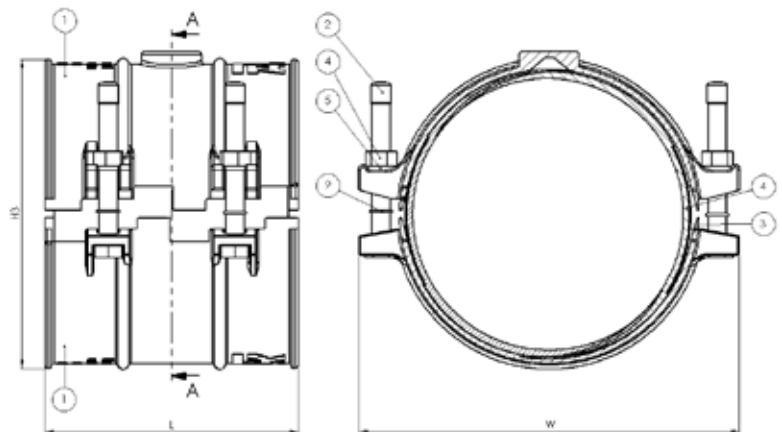
Universal Collar Repair Clamp



AVK Reference	Range	DN	PN	H3	L	W	Bolt	Weight
		mm	bar	mm	mm	mm	No.	kg
253-40-003-0	92.3-103mm	80	16	126	200	192	4	4.3
253-40-004-0	115-125.6mm	100	16	148	200	214	4	5.9
253-40-006-0	166-181.2mm	150	16	204	200	270	4	8.0
253-40-008-0	220-234mm	200	16	267	220	322	4	14
253-40-010-0	269-294mm	250	16	330	250	392	4	15
253-40-012-0	323-349mm	300	16	390	300	446	6	29

Materials of Construction

No.	Description	Material
1	Clamp halves	Ductile iron GJS-450-10
2	Cap	Plastic
3	Bolts	Steel gr. 8.8, Sheraplex coated
4	Nuts	Steel gr. 8.8, Sheraplex coated
5	Washer	Steel gr. 8.8, Sheraplex coated
6	Gasket	EPDM
7	Bridge plate	Stainless steel 304
8	O-ring	NBR
9	Coating	Epoxy







REPAIR CLAMPS AND TEES

STAINLESS STEEL REPAIR COLLARS



SERIES	729/01	729/02
		
Product Description	Stainless Steel Single Band Repair Collar	Stainless Steel Double Band Repair Collar
Range	DN50 - 150	DN200 - 400
Pressure Rating	PN16	PN10/16
Pipe Material		
Polyethylene		
PVC	•	•
Ductile iron pipe	•	•
Cast iron class AB	•	•
Cast iron class CD	•	•
GRP	•	•
Steel pipe	•	•
Stainless Steel pipe	•	•
Clay		
Concrete		
Asbestos Cement	•	•
Technical pages	80	81

PRODUCT SELECTOR



SERIES TYPE

729/01

729/02



DESCRIPTION

AVK SINGLE BAND REPAIR CLAMP

AVK SINGLE BAND REPAIR CLAMP

APPLICATION

Suitable for all ferrous pipes, PVC and AC, for use with water and waste water

Suitable for all ferrous pipes, PVC and AC, for use with water and waste water

MAIN FEATURES

- Passivated - to ensure an optimum corrosion resistance for a longer asset life
- Studs are Teflon coated to prevent cold welding (galling)
- Gasket of EPDM rubber with waffle structure and rounded tops
- DN48-360 on single-section clamps. 10mm tolerance
- Studs protected with plastic protection caps

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- Gasket of EPDM rubber with waffle structure and rounded tops
- DN48-360 on single-section clamps. 10mm tolerance
- Studs protected with plastic protection caps

MAIN OPTIONS

- Different diameters: DN40 up to DN350. Series 729/02
- Different lengths: 150, 200, 250, 300, 400, 500 and 600 mm (other lengths on request)
- PN16 rated up to DN189 as standard, with PN16 option on larger sizes available on request

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- Different lengths: 150, 200, 250, 300, 400, 500 and 600 mm (other lengths on request)
- PN16 rated up to DN189 as standard, with PN16 option on larger sizes available on request

SIZE

DN50 - 150

DN200 - 400

MAX WORKING PRESSURE

PN16

PN10/16

TEMPERATURE RANGE

-15°C to +70°C

-15°C to +70°C

BODY MATERIAL

Stainless Steel
AISI 304

Stainless Steel
AISI 304

APPLICABLE STANDARDS

Reg 31 compliant

Reg 31 compliant

TECHNICAL INFORMATION

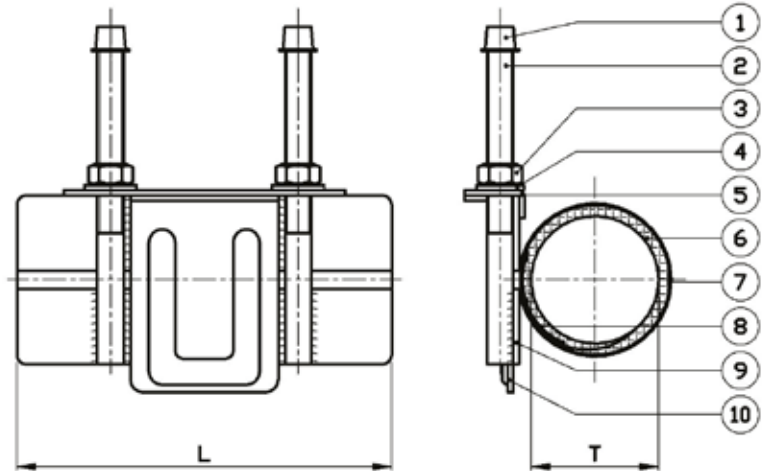
Series 729/01 Single Band Repair Clamp



AVK Reference	Range	DN	PN	Weight
		mm	bar	kg
729-0-064-1112	057-064 x 150mm	150	16	1.8
729-0-077-1112	070-077 x 150mm	150	16	1.6
729-0-083-1112	076-083 x 150mm	150	16	1.7
729-0-089-1112	082-089 x 150mm	150	16	1.8
729-0-098-1112	091-098 x 150mm	150	16	1.9
729-0-108-1112	098-108 x 150mm	150	16	1.8
729-0-115-1112	105-115 x 150mm	150	16	2
729-0-121-1112	111-121 x 150mm	150	16	2.1
729-0-140-1112	130-140 x 150mm	150	16	2.3
729-0-148-1112	138-148 x 150mm	150	16	2.4
729-0-161-1112	151-161 x 150mm	150	16	2.5
729-0-175-1112	165-175 x 150mm	150	16	2.6

Materials of Construction

No.	Description	Material
1	Protection cap	Plastic
2	Stud	AISI 304 Teflon coated
3	Nut	Stainless steel A4
4	Washer	Stainless steel A4
5	Bridge	AISI 304
6	Rubber sealing	EPDM
7	Body plate	AISI 304
8	Spanner plate	AISI 304
9	Side plate	AISI 304
10	Support plate	AISI 304



Series 729/02

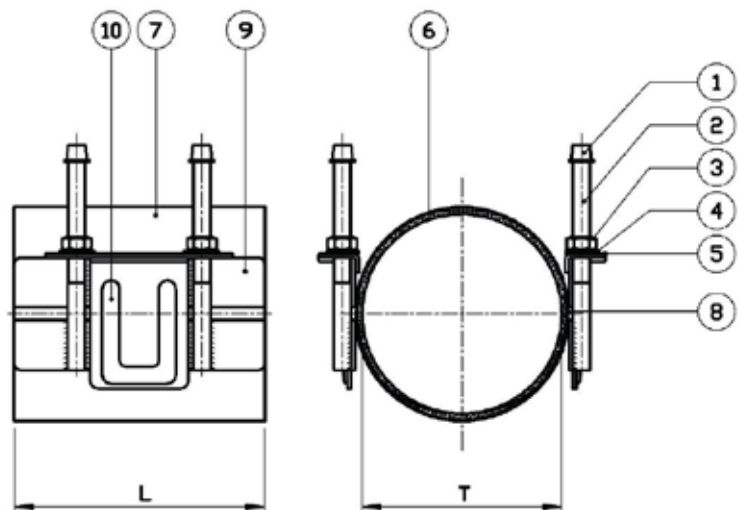
Double Band Repair Clamp



AVK Reference	Range	DN	PN	Weight
		mm	bar	kg
729-0-185-2212	165-185 x 200mm	200	16	4
729-0-185-2412	165-185 x 300mm	300	16	6
729-0-238-2412	216-238 x 300mm	300	10	7.2
729-0-275-2412	255-275 x 300mm	300	10	7
729-0-293-2412	273-293 x 300mm	300	10	8.2
729-0-350-2412	330-350 x 300mm	300	10	9
729-0-361-2412	341-361 x 300mm	300	10	18
729-0-394-2412	374-394 x 300mm	300	10	13
729-0-420-2412	396-420 x 300mm	300	10	11
729-0-430-2512	410-430 x 400mm	400	10	17
729-0-440-2512	420-440 x 400mm	400	10	18
729-0-495-2512	475-495 x 400mm	400	10	15

MATERIALS OF CONSTRUCTION




No.	Description	Material
1	Protection cap	Plastic
2	Stud	AISI 304 Teflon coated
3	Nut	Stainless steel A4
4	Washer	Stainless steel A4
5	Bridge	AISI 304
6	Rubber sealing	EPDM
7	Body plate	AISI 304
8	Spanner plate	AISI 304
9	Side plate	AISI 304
10	Support plate	AISI 304











REPAIR CLAMPS AND TEES PRODUCT SELECTOR GUIDE



SERIES	214/30	215/30	257/30
			
Product Description	Mild Steel Fabricated Tee	Stainless Steel Multiple Band Tee	Ductile Iron Universal Under pressure Tee
Range	DN80 - 600	DN80 - 600	DN80 - 300
Pressure Rating	PN10/16	PN10	PN16
Pipe Material			
Polyethylene			
PVC		•	
Ductile iron pipe	•	•	•
Cast iron class AB	•	•	•
Cast iron class CD	•	•	•
GRP			
Steel pipe	•	•	•
Stainless Steel pipe	•	•	•
Clay			
Concrete			
Asbestos Cement		•	
Technical pages	84	85	86

PRODUCT SELECTOR



SERIES TYPE	214	215/30	257/30
 	 	 	
DESCRIPTION	<p>AVK FABRICATED BOLT-ON TEE</p>	<p>AVK STAINLESS STEEL UNDER PRESSURE TEE</p>	<p>AVK UNIVERSAL TEE</p>
APPLICATION	<p>Suitable for all ferrous pressure pipes for use with water and waste water</p>	<p>Suitable for under pressure branch connections on all ferrous pipes, PVC / AC, for use with water and waste water</p>	<p>Suitable for all ferrous pipes for use with water and waste water</p>
MAIN FEATURES	<ul style="list-style-type: none"> • Can be fabricated in any size, with any branch size and any flange drilling, within the design range • Reinforced bolt lugs • Two-part, mild steel body • Unique EPDM seal design • Cup-square bolts to assist easy assembly 	<ul style="list-style-type: none"> • Corrosion resistant. • Excellent sealing characteristics. • Versatile design tolerance. • Lightweight. • Bitumen coated lugs. • Any lengths available in multiples of 150mm up to 1200mm. 	<ul style="list-style-type: none"> • Suitable for all ferrous pipes. • Corrosion resistant. • Slotted branch flange. • Extremely versatile. • Fusion bonded epoxy coating • Universal range for all pipe types.
MAIN OPTIONS	<ul style="list-style-type: none"> • BS EN 1092-2, BS 10 or ANSI drilling • Body sizes 350-900mm • Branch sizes 80-600mm • Short lead times • Flange drilling options 	<ul style="list-style-type: none"> • Can be fabricated up to DN1200 • Branch sizes 50-600mm • Emergency service 	<ul style="list-style-type: none"> • Branch sizes 80 – 300mm • BS EN 1092-2 drilling • Emergency service
SIZE	<p>DN80 - 600</p>	<p>DN80 - 600</p>	<p>DN80 - 300</p>
MAX WORKING PRESSURE	<p>PN10/16</p>	<p>PN10 < 300mm</p>	<p>PN16</p>
TEMPERATURE RANGE	<p>-10°C to +70°C</p>	<p>-10°C to +70°C</p>	<p>-10°C to +70°C</p>
BODY MATERIAL	<p>Mild Steel BS EN 10025 FE430B</p>	<p>Stainless Steel AISI 316</p>	<p>Ductile Iron BS EN 1563, GJS-400-15</p>
APPLICABLE STANDARDS	<p>EN 1092-2 (ISO 7005-2) WIS 4-52-01 Reg 31 compliant</p>	<p>EN 1092-2 (ISO 7005-2) Reg 31 compliant</p>	<p>WIS-4-52-01 Reg 31 compliant</p>

TECHNICAL INFORMATION

Series 214 Fabricated Bolt-On Tee



AVK Reference	DN	DN2 (Branch)	Flange Drilling	PN	L	H	Bolts No.
	mm	mm		bar	mm	mm	
214-30-XXXX-08Y(Z)	80	80	PN10/16	16 bar	304	120	6
214-30-XXXX-10Y(Z)	100	100	PN10/16	16 bar	304	120	6
214-30-XXXX-15Y(Z)	150	150	PN10/16	16 bar	304	135	6
214-30-XXXX-20Y(Z)	200	200	PN16	16 bar	360	135	6
214-30-XXXX-25Y(Z)	250	250	PN16	16 bar	416	150	8
214-30-XXXX-30Y(Z)	300	300	PN16	16 bar	500	160	8
214-30-XXXX-35Y(Z)	350	350	PN16	16 bar	500	175	8
214-30-XXXX-40Y(Z)	400	400	PN16	16 bar	640	200	10
214-30-XXXX-45Y(Z)	450	450	PN16	16 bar	640	210	10
214-30-XXXX-50Y(Z)	500	500	PN16	16 bar	640	230	10
214-30-XXXX-60Y(Z)	600	600	PN16	16 bar	780	250	12

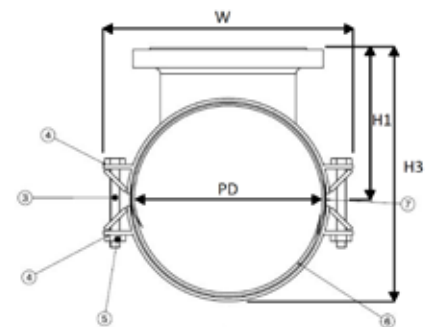
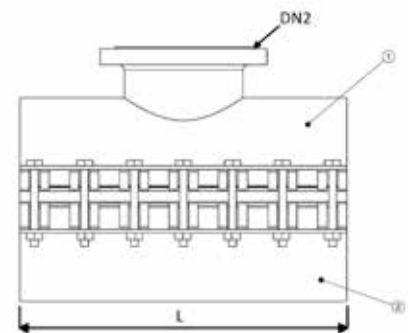
Note: Total height of fitting is calculated - Pipe OD + 10 mm + Material thickness + H

XXXX = ØA (outside diameter of mains), Y = Flange specification : 0 - special, 1 - PN16, 2 - PN10, 3 - ASA150, 4 - ASA125

Z = Bolts - None/1 for sheraplex

Materials of Construction

No.	Description	Material
1	Flange	Mild steel to BS EN 10025 FE430B
2	Branch	Mild steel to BS EN 10025 FE430B
3	Body	Mild steel to BS EN 10025 FE430B
4	Seal	EPDM
5	Bolts / nuts / washers	Steel grade 8.8 bolt, grade 8 nut, sheraplex coated
	Coating	Fusion bonded epoxy coating to WIS 4-52-01 or wet sprayed dependent upon size. WRAS approved



Series 215/30

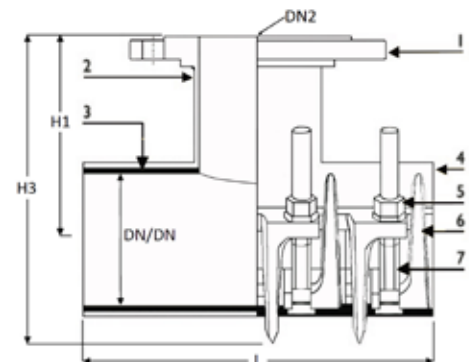
Stainless Steel Under Pressure Tee



AVK Reference	DN	OD Range	DN2 (Branch)	Flange Drilling	PN	H1	H3	L	W	Weight
	mm				mm	mm	mm	mm	mm	
215-30-0086-03121	80	86.0 - 106.0	80	PN10/16	10 bar	142	198	300	200	23
215-30-0111-03121	100	111.0 - 131.0	80	PN10/16	10 bar	148	211	300	211	20
215-30-0111-04121	100	111.0 - 131.0	100	PN10/16	10 bar	163	226	300	220	23
215-30-0164-03121	150	164.0 - 184.0	80	PN10/16	10 bar	167	249	300	264	20
215-30-0164-06181	150	164.0 - 184.0	150	PN10/16	10 bar	202	284	450	285	19
215-30-0215-04121	200	215.0 - 235.0	100	PN10/16	10 bar	208	315	300	315	26
215-30-0215-08181	200	215.0 - 235.0	200	PN16	10 bar	228	335	450	340	38
215-30-0255-04121	225	255.0 - 275.0	100	PN10/16	10 bar	228	355	300	355	25
215-30-0255-06241	225	255.0 - 275.0	150	PN10/16	10 bar	248	375	600	355	46
215-30-0268-03121	250	268.0 - 288.0	80	PN10/16	10 bar	219	353	300	368	17
215-30-0268-10241	250	268.0 - 288.0	250	PN16	10 bar	274	408	600	405	43
215-30-0319-03121	300	319.0 - 339.0	80	PN10/16	10 bar	245	404	300	419	25
215-30-0319-04121	300	319.0 - 339.0	100	PN10/16	10 bar	260	419	300	419	26

Materials of Construction

No.	Description	Material
1	Flange	Carbon Steel to BS EN 10025: 1990, Grade FE 430 B or to BS 1503.221.430
2	Neck	Stainless Steel AISI 304 min (or 316)
3	Gasket mat	EPDM
4	Body	Stainless Steel AISI 304 min (or 316)
5	Nuts and washers	Grade 8, Zinc Plated and Passivated
6	Lugs	Ductile Iron, BS EN 1563 EN-GJS-450-10; Bitumen Coated
7	Bolts with domed caps	Grade 8.8, Zinc Plated and Passivated with Plastic caps



TECHNICAL INFORMATION

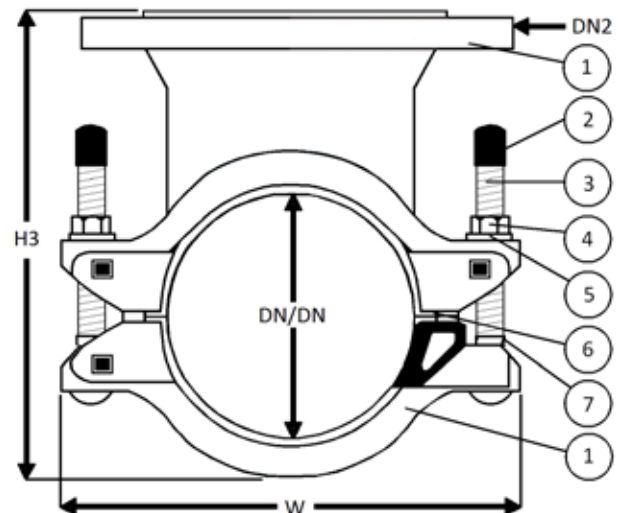
Series 257/30 Universal Tee



AVK Reference	DN	Range	DN2 (Branch)	Flange Drilling	PN	H3	L	W	Weight
	mm				mm	mm	mm	mm	mm
257-30-03-081	80	85.4 - 114.0	80	PN10/16	16 bar	241	167	204	11
257-30-04-081	100	111.8 - 139.0	80	PN10/16	16 bar	241	216	238	14
257-30-04-101	100	111.8 - 139.0	100	PN10/16	16 bar	241	216	238	14
257-30-06-081	150	165.5 - 195.5	80	PN10/16	16 bar	315	220	312	19
257-30-06-101	150	165.2 - 195.5	100	PN10/16	16 bar	315	220	312	25
257-30-06-151	150	165.2 - 195.5	150	PN10/16	16 bar	302	285	312	32
257-30-08-081	200	215.9 - 239.7	80	PN10/16	16 bar	370	220	374	28
257-30-08-101	200	215.9 - 239.7	100	PN10/16	16 bar	370	220	374	33
257-30-08-151	200	215.9 - 239.7	150	PN10/16	16 bar	363	320	374	29
257-30-08-201	200	215.9 - 239.7	200	PN16	16 bar	363	340	374	47
257-30-10-081	250	269.2 - 293.5	80	PN10/16	16 bar	440	220	434	43
257-30-10-101	250	269.2 - 293.5	100	PN10/16	16 bar	440	220	434	44
257-30-10-151	250	269.2 - 293.5	150	PN10/16	16 bar	431	370	434	55
257-30-10-201	250	269.2 - 293.5	200	PN16	16 bar	431	370	434	64
257-30-10-251	250	269.2 - 293.5	250	PN16	16 bar	431	370	434	65
257-30-12-081	300	319.9 - 347.0	80	PN10/16	16 bar	505	270	500	67
257-30-12-101	300	319.9 - 347.0	100	PN10/16	16 bar	505	270	500	67
257-30-12-151	300	319.9 - 347.0	150	PN10/16	16 bar	505	270	500	68
257-30-12-201	300	319.9 - 347.0	200	PN16	16 bar	494	420	500	90
257-30-12-251	300	319.9 - 347.0	250	PN16	16 bar	494	420	500	93

Materials of Construction


No.	Description	Material
1	Body	Ductile iron, min. GJS-450-10 (GGG-40)
2	Domed cap	Plastic
3	Bolt	Grade 8.8, zinc plated and passivated
4	Nut	Grade 8.8, zinc plated and passivated
5	Washer	Grade 8.8, zinc plated and passivated
6	Seal	EPDM
7	O-ring	Nitrile







ADDITIONAL PRODUCTS PRODUCT SELECTOR GUIDE

	<p>SERIES 01/79 AVK Resilient Seat Gate Valve with SupaPlus Socket Connections DN80-400 PN16 Ductile Iron BS EN 1074-1&2 BS 5163-2 EN 12842</p>		<p>SERIES 36/89 AVK PE Tailed Resilient Seat Gate Valve DN80-300 PN16 Ductile Iron BS EN 1074-1&2 BS 5163-2</p>		<p>SERIES 32/49 AVK Long Spigot End Gate Valve DN80-300 PN16 Ductile Iron BS EN 1074-1&2 BS 5163-2</p>
	<p>SERIES 21/35 AVK Resilient Seat Gate Valve with ISO Flange DN80-200 PN10/16 upto DN150 PN16 only on DN200 Ductile Iron BS EN 1074-1&2 BS 5163-1&2 BS EN 1092 (ISO 7005-2)</p>		<p>SERIES 21/78 AVK Resilient Seat Gate Valve with ISO Flange DN50-400 PN10/16 Ductile Iron BS EN 1074-1&2 BS EN 1092 (ISO 7005-2) BS 5163-1</p>		<p>SERIES 764/01 AVK Eccentric Plug Valve DN80-300 PN16 Ductile Iron BS EN 1092-2 (ISO 7005-2) EN 558 SERIES 3 AWWA CS17 NBR rubber 764/01-001 EPDM rubber 764/01-002</p>
	<p>SERIES 41/20 AVK Resilient Seat Swing Check Valve DN50-300 PN16 Ductile Iron BS EN 1074-3 BS EN 1092-2 (ISO 7005-2) EN 558-1 Series 48</p>		<p>SERIES 53/30 AVK Threaded Ball Check Valve DN32-50 PN10 Ductile Iron EN 12050-4 DIN 3202-F6</p>		<p>SERIES 702/50 AVK Knife Gate Valve with ISO Top DN50-1000 PN 10/16/25/40 Ductile Iron BS EN 1092-2 (ISO 7005-2) EN 558-1 Series 20</p>
	<p>SERIES 772/61 4 Sided Sealing Penstock DN150-2000 Stainless steel DIN 19569-4 BS 7775</p>		<p>SERIES 75/10 AVK Wafer Concentric Butterfly Valve, Vulcanised Liner DN50-1400 PN6/10/16 Various Materials BS EN 593 EN 558 Series 20</p>		<p>SERIES 76/70-002 AVK Wafer Butterfly Valve, Concentric with Loose Liner DN50-400 PN10/16 Ductile Iron BS EN 593 BS EN 1092-2 (ISO 7005-2) EN 558 Series 20</p>
	<p>SERIES 756/100 AVK Double Eccentric Butterfly Valve with Rotork Gearbox and Handwheel DN200-2200 PN10/16/25 to DN1200 Ductile Iron BS EN 593 BS EN 1092-2 (ISO 7005-2) EN 558 Series 14</p>		<p>SERIES 701/40 AVK Double Orifice Composite Material Air Release Valve ¾, 1, 2" inlet, PN16 Reinforced nylon BS EN 1074-4 For water use</p>		<p>SERIES 701/79 AVK Underground Air Release Valve System DN80 PN10/16 Reinforced Nylon BS EN 1074-4 For waste water use</p>
	<p>SERIES 08 AVK Handwheel for Series 21, 37, 55 & 54 Gate Valves DN50-600</p>		<p>SERIES 04 AVK Stem Cap for Series 21, 37, 55 & 54 Gate Valves DN50-600 BS 5163-2</p>		<p>SERIES 04/30-004 AVK Extension Spindles for Gate Valves, Heavy duty Length: 100-600 BS 5163-2 Ductile Iron</p>

ADDITIONAL PRODUCTS

THE SITE SOLUTIONS SERVICE OFFER



Our Site Solutions offer delivers a bespoke service that we believe will provide our clients with a comprehensive 'one-stop shop' approach to their projects.

We aim to provide an extensive solution based package designed to combat the challenges that our UK Water Industry clients face on a daily basis. From feasibility and life-time maintenance and from inception to completion, we can provide you with a service that offers best practice, cost efficiency and longevity no matter where you are in the UK.

Invicta Site Solutions:

T: +44 (0) 1622 754613

E: sitesolutions@invictavalves.co.uk

The Site Solutions Service Includes:

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- **Design and Manufacture of Ancillary Equipment**
- **All Associated Enabling, Electrical and Civil Engineering Services**
- **Equipment Commissioning**
- **Scheduled Maintenance and Servicing Contracts**
- **Extended Warranties**
- **Post Contract Training**
- **UK Coverage**
- **Bespoke fabrication services**

We offer national coverage with premises at Maidstone and Prestwick.



NOMINAL BORE	INCHES																																									
	MIN	15	20	28	32	40	50	65	80	90	100	125	150	175	200	225	250	300	350	375	400	450	500	525	550	600	650	675	700	750	800	825	850	900	1000	1050	1100	1200	1300	1400	1600	1800

DUCTILE IRON	BSA772 (1988)		DIN 28901, 28902		28903, 28905	
	DN	DN	DN	DN	DN	DN

UPVC	BS5305		BS1311 (1991)	
	DN	DN	DN	DN

(IMPERIAL CAST IRON) and ASBESTOS CEMENT (TURNED END)	BS1311 (1991)		CLASS AB ONLY		CLASS CD ONLY	
	DN	DN	DN	DN	DN	DN

STEEL	ISO 12000 (1991)		SERV 1		SERV 2		SERV 3		SERV 3	
	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN

GRP	BS5480	220	272	324	376	427	478	530	633	718	820	924	1027	1144	1238	1350	1440	1640	1844	2048
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METRIC ASBESTOS CEMENT (TURNED END)	CLASS 14		CLASS 15		CLASS 20	
	DN	DN	DN	DN	DN	DN

ABS	BS5391	177	232	259	286	334	392	448	498	508	634	761	808	892	927	970
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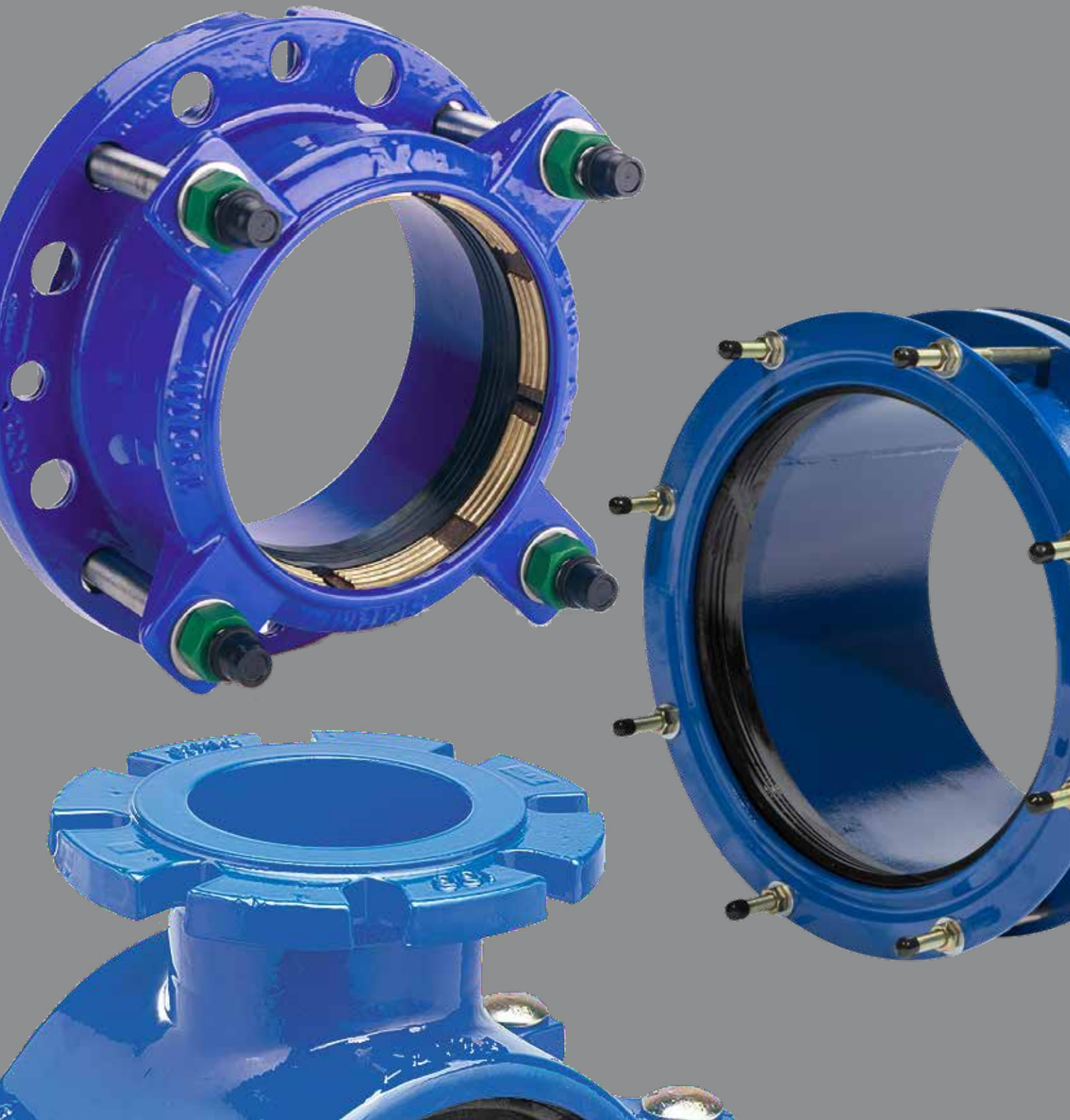
UPVC, A POLYETHYLENE (METRIC)	METRIC UPVC & PE HAVE A DESIGNATED NOMINAL BORE WHICH IS USUALLY THE SAME AS THE OUTSIDE DIAMETER. QUOTE PIPE CLASS, RATING OR WALL THICKNESS ON ENQUIRIES																																
BS5356 (ISO 10111)	16	20	25	32	40	50	63	75	90	110	125	140	160	180	200	225	280	315	355	400	450	500	560	630	710	800	900	1000	1200	1400	1600	1800	2000

PIPE OUTSIDE DIAMETER CHART

REPAIR CLAMPS AND TEES

PIPE MATERIAL GUIDE

Pipe Material	Standard	
Asbestos Cement Pipe	BS 486	Specification for asbestos-cement pressure pipes and joints
Asbestos Cement Pipe	BS EN 512	Fibre-cement products. Pressure pipes and joints
ABS	BS 5391	Acrylonitrile-butadiene-styrene (ABS) pressure pipe. Specification
Cast Iron	BS 78	Specification for cast iron spigot and socket pipes (vertically cast) and spigot and socket fittings. Fittings
Cast Iron	BS 1211	Specification for centrifugally cast (spun) iron pressure pipes for water, gas and sewage
Clay	BS EN 295	Vitrified clay pipe systems for drains and sewers
Ductile Iron	BS 4772	Specification for ductile iron pipes and fittings
Ductile Iron	BS EN 545	Ductile iron pipes, fittings, accessories and their joints for water pipelines. Requirements and test methods
Ductile Iron	BS EN 598	Ductile iron pipes, fittings, accessories and their joints for sewerage applications. Requirements and test methods
Ductile Iron	BS EN 969	Ductile iron pipes, fittings, accessories and their joints for gas pipelines. Requirements and test methods
GRP	BS 5480	Specification for glass reinforced plastics (GRP) pipes, joints and fittings for use for water supply or sewerage
GRP	BS EN 14364	Plastics piping systems for drainage and sewerage with or without pressure. Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints
Polyethylene (PE)	BS EN 12201	Plastics piping systems for water supply, and for drainage and sewerage under pressure. Polyethylene (PE)
PVC-U	BS 3505	Specification for unplasticized polyvinyl chloride (PVC-U) pressure pipes for cold potable water
PVC-U	BS EN ISO 1452	Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure. Unplasticized poly(vinyl chloride) (PVC U). Fittings
PVC-U	BS 3506	Specification for unplasticized PVC pipe for industrial uses
PVC-O	ISO 16422	Pipes and joints made of oriented unplasticized poly(vinyl chloride) (PVC-O) for the conveyance of water under pressure - Specifications
Metric PVC-U & PE	BS ISO 11922	Thermoplastics pipes for the conveyance of fluids. Dimensions and tolerances. Metric series
Steel	BS 1387	Specification for screwed and socketed steel tubes and tubulars and for plain end steel tubes suitable for welding or for screwing to BS 21 pipe threads
Steel	BS EN 10225	Non-alloy steel tubes suitable for welding and threading. Technical delivery conditions
Steel	ISO 4200	Plain end steel tubes, welded and seamless. General tables of dimensions and masses per unit length
Steel	BS EN10024	Non-alloy steel tubes and fittings for the conveyance of water and other aqueous liquids. Technical delivery conditions
Steel	BS 4825-1 to 5	Stainless steel tubes and fittings for the food industry and other hygienic applications
Steel	BS 534	Specification for steel pipes, joints and specials for water and sewage
Steel	BS EN 10224	Non-alloy steel tubes and fittings for the conveyance of water and other aqueous liquids
Steel	BS 3600	Specification for dimensions and masses per unit length of welded and seamless steel pipes and tubes for pressure purposes
Steel	BS EN 10220	Seamless and welded steel tubes. Dimensions and masses per unit length
Steel	BS 3601	Specification for carbon steel pipes and tubes with specified room temperature properties for pressure purposes
Steel	BS EN 10216	Seamless steel tubes for pressure purposes. Technical delivery conditions. Non-alloy steel tubes with specified room temperature properties
Steel	BS EN 10217	Welded steel tubes for pressure purposes. Technical delivery conditions. Non-alloy steel tubes with specified room temperature properties
Steel	BS 1600	Specification for dimensions of steel pipe for the petroleum industry



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