

HEPWORTH SuperSleve Product Guide



The finest pipe on Earth, born of the earth.

If you set out today to create the perfect material for drainage, clay would be the product you'd invent.

At Hepworth we have always believed that for future-proof drainage 'clay is the way' – the ultimate sustainable, durable, cost-efficient and high performance sewerage solution.

Clay is a 100% natural and plentiful raw material. Sourced from our local quarries which minimises transportation, the clays are carefully blended to take advantage of their distinct mineralogy prior to heat treatment in a calciner, a globally unique process for clay pipe production.

Filtered moorland rainwater is used to hydrate the clays during pipe extrusion. They are then guided through driers utilizing recovered heat from energy efficient fast firing roller kilns, supporting our environmental policy, leading to BS EN ISO 14001 certification.

Up to 15% of any off-cuts, trimmings or product used in testing are ground down and re-introduced into the manufacturing process with no loss of quality. With total end-of-life recyclability, vitrified clay is the ultimate birth

to rebirth manufacturing process. Even our quarries are expertly returned to flourishing natural habitats, alongside a tree planting programme to continually offset the carbon impact of quarrying activities.

For most construction materials, sustainability is a pipe dream; for Hepworth Clay it's a natural and actual reality.

Clay pipes are inert, making them impervious to almost any chemical or physical attack.

Vitrified Clay's strength not only means it's highly resistant to static and dynamic loadings, it also doesn't need as much granular bedding, cutting installation costs as well as the carbon footprint of aggregate transportation.

It's a genuine fit and forget solution too, that will be trouble-free for future generations. And with no renovation or repairs needed, service costs are as low as its installed risk profile.

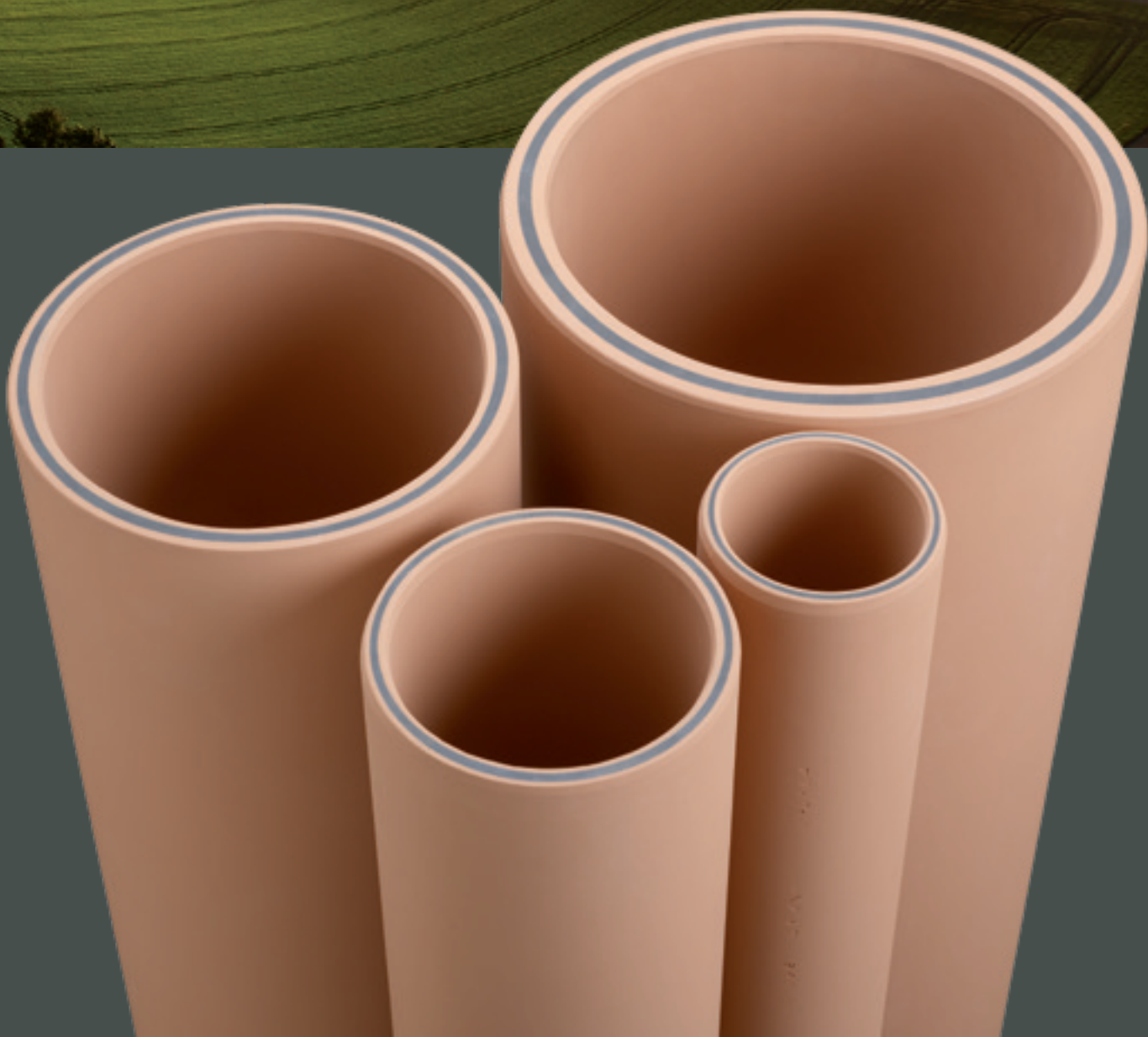
To which can be added the Hepworth hallmark of precision manufacturing to guarantee consistent quality, standards compliance, a complementary jointing performance and total service support.

Clay has been used in drainage for more than 6,000 years. For every consulting engineer making a choice today, it is the natural choice for the future.

Hepworth

Fired to Perfection

CLAY



The benefits of Hepworth Clay



Superior strength and durability

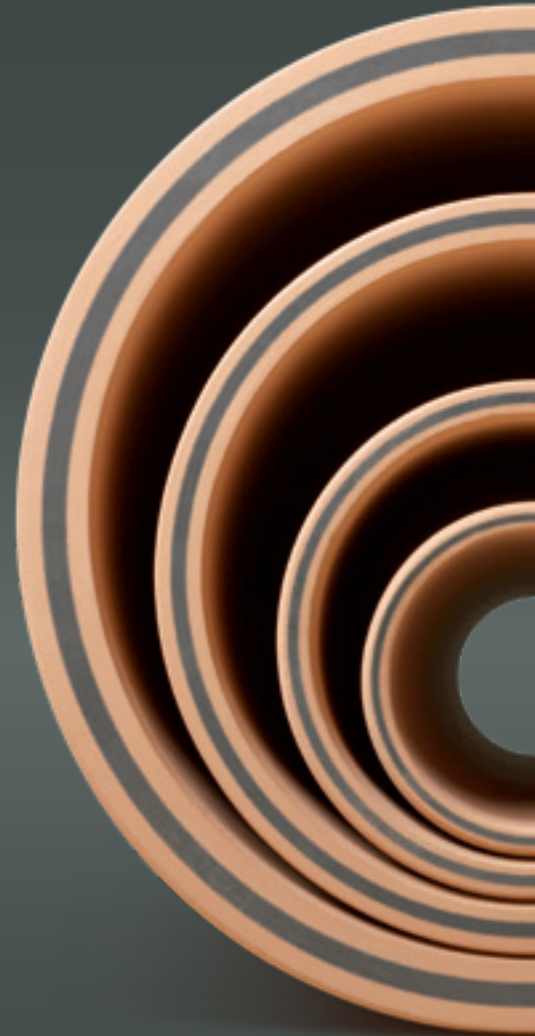
High pipe strength is an inherent quality of vitrified clay and is enhanced by our manufacturing expertise. A Hepworth 300mm SuperSleeve pipe has a crushing strength of 72 kN/m.



Superior sustainability

Clay is 100% natural and plentiful raw material, which is also 100% recyclable at the end of its operating life, giving it a true birth to rebirth capability.

We add only moorland rainwater and heat in a production process that uses recovered heat for drying prior to firing to keep environmental impact to a minimum. Choosing Hepworth Clay is the optimum environmental choice.

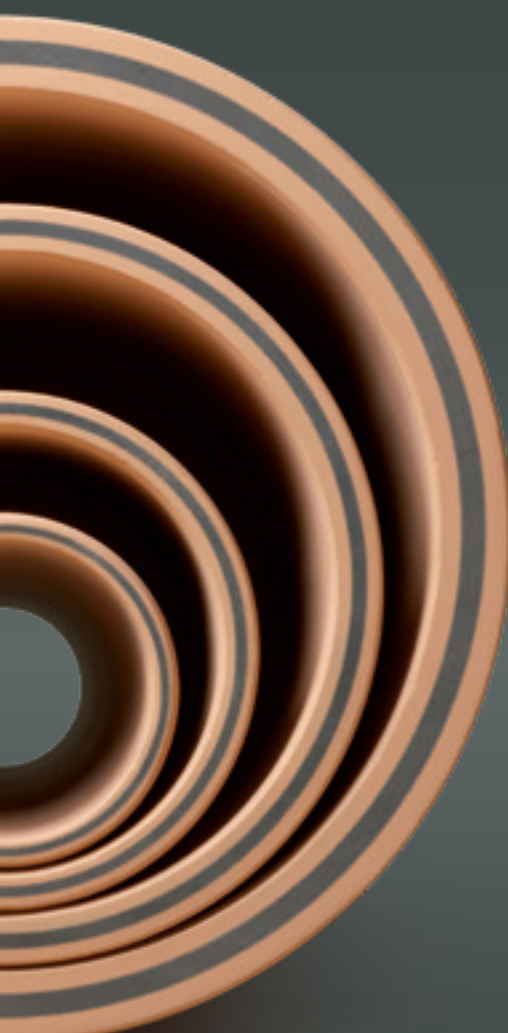


Superior quality

Hepworth Clay products are kitemarked to EN 295-1, have a declaration of performance and CE mark, and are manufactured under a quality system approved to BS EN ISO 9001.

Regular quality checks are made at key stages to guarantee factory process control, with regular ongoing quality audits made by external European and worldwide quality inspectors.

Random sample pipes are crushed to ensure that the strength that is imprinted onto the pipe is delivered to site.



Superior jetting performance

Clay drainage's resistance to high water pressure jetting means more blockages will be cleared first time with reduced risk.

SuperSleve pipe has a Lifetime Jetting Guarantee* 7,500 psi at a flow rate not exceeding 20 gals/min held static for 5 minutes, providing a 50% higher operating pressure than the WRC requirement for clay pipes.

**LIFETIME
GUARANTEE**

**JETPROOF
TO 7,500
PSI**

Superior bedding performance

The natural strength of clay drainage enables recycled aggregate to be used as a bedding material as referenced in BS 9295, reducing costs and environmental impact during the construction process.

The savings can be significant when a full trench depth of granular material can actually be more expensive than the pipe.

Hepworth Clay can advise on the optimum soil and ground conditions from geotechnical reports to establish when this sustainable and cost efficient solution can be deployed.



Superior chemical resistance

Once vitrified, clay is one of the most inert materials on earth, rendering it resistant to almost all chemical attack.

Hepworth Clay is completely unaffected by any effluent allowed in an adoptable sewer system virtually eliminating the risk of exfiltration.

With a resistance to practically all chemicals and compounds that might be found in the ground, clay is the perfect choice when specifying drainage for contaminated brownfield sites.



Exceptional performance

General

The following performance information relates to Hepworth SuperSleve Clay Drainage systems including the relevant European and British Standards which the products and systems must comply with.

The products meet all the relevant performance levels necessary to comply with the BS EN 295-1. Hepworth Clay products have a design performance far in excess of the specified requirements.

Joint flexibility

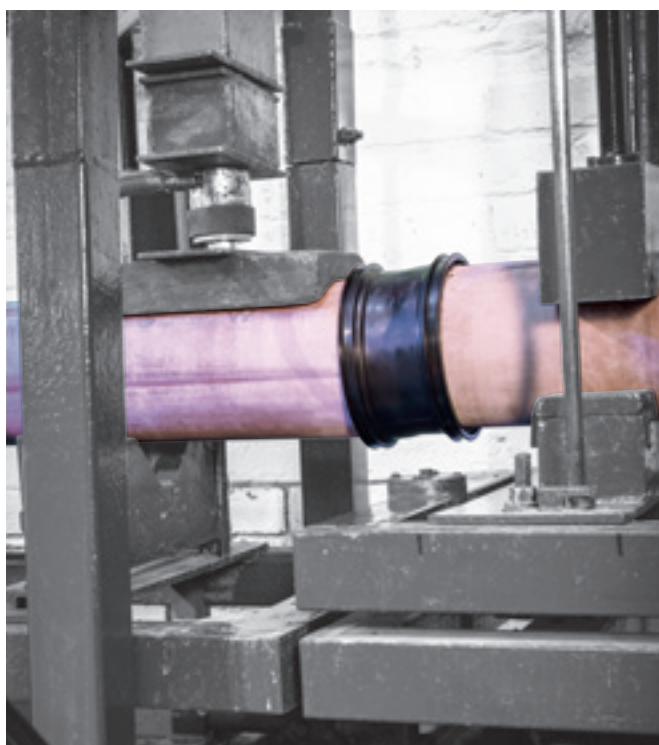
Joint assemblies are required to satisfy angular deflection and shear resistance tests to safeguard against both infiltration into and exfiltration from the drainage system.

Joint flexibility is tested in two ways in order to demonstrate resistance to leakage.

These are:

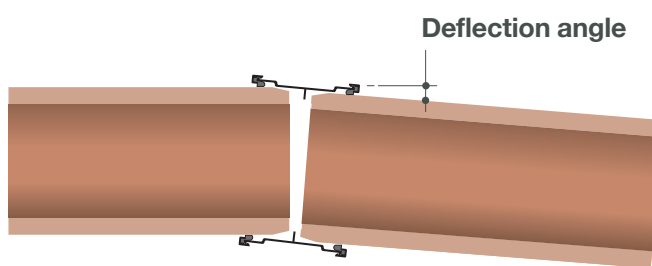
- (a) Angular deflection (BS EN 295-1)
- (b) Shear resistance (BS EN 295-1)

An effective seal must be maintained under internal and external pressures of 5 kPa (0.05 bar) and 50 kPa (0.5 bar) for the specified length of time without visible leakage to meet BS EN 295-1 requirements.



(a) Angular deflection

BS EN 295-1 states deflection limits for the jointing of clay pipes regardless of the type of joint. These are given in Table 1. The assembly is required to stand the relevant test pressures for 5 minutes with no visible leakage. This test simulates the effect of subsidence or subsequent ground movement.



SuperSleve joint

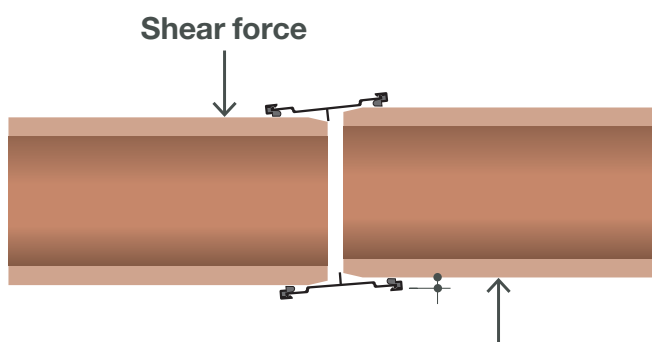
Table 1 – Angular deflection

Nominal Size (mm)	BS EN 295-1
100-200	80mm/m (4.75°)
225-300	30mm/m (1.75°)

Deflection is measured in mm per metre deflected pipe length.

(b) Shear resistance

BS EN 295-1 requires that a vertical load of 25 N per mm of nominal pipe size (e.g. 250 kg for DN100, 750 kg for DN300) is applied to the joint assembly with no visible leakage. The assembly is required to stand the relevant test pressure for 15 minutes with no visible leakage.



SuperSleve joint

Shear force

Note that differential movement can occur when pipes enter buildings or connect with an inspection chamber, manhole, wall or other structure.

This movement must be allowed for. For further details see Pipes Passing through Structures: Technical Note 3 page 106.

Strength

Performance parameters are laid down in Table 2. All Hepworth Clay pipes meet the criteria specified in BS EN 295-1, and in many cases are well in excess of the stated level of performance.

Abrasion resistance

Erosion of vitrified clay pipes in use is minimal and seldom needs to be considered during design. For special circumstances of application the values of average abrasion resistance can be determined from the test methods in BS EN 295-3.

Flow characteristics

The flow properties of all clay pipes have been assessed using the Colebrook-White formula shown in BS EN 16933-2.

Recommended roughness values (ks) are:

Foul and combined sewers:

- ks = 1.5mm at velocity less than 1m/s
- ks = 0.6mm at velocity greater than 1m/s

Surface water sewers:

- ks = 0.6mm

All pipes and fittings have a low hydraulic roughness. Further information on hydraulic design can be found on page 85 in the Design section.

Watertightness of pipe, bends and junctions

Hepworth clay pipes are tested for impermeability using an air and water test.

BS EN 295-1 Air Test: The pipes, bends and junctions are subjected to an initial air pressure of 100mm water gauge, which may not drop below 75mm water gauge in 5 minutes.

Water Test: The pipes, bends and junctions are required to withstand an internal water pressure of 50 kPa (0.5 bar) for 15 minutes without leakage.

Bond strength

Where fittings are made up by assembling fired clay parts together, BS EN 295-1 requires the bending tensile strength of both the adhesive and the adhesive/clay interface to be tested. Neither the adhesive nor the adhesive/clay interface should fracture under a bending tensile stress of 5 N/mm².

Loading

Pipes specified in BS EN 295-1 are resistant to fatigue from pulsating loads found under highways and railways.

Durability

Properly designed, constructed, operated and maintained systems incorporating Hepworth Clay products have a design life expectancy well in excess of 100 years as supported by BS EN 295-1 / annex B.6 economy.

This longevity is due to the material characteristics and strength of vitrified clay pipe and fittings which does not change after manufacture and installation.

The range offers the designer products that are capable of withstanding most structural situations combined with trouble-free performance in the most arduous of conditions.

Table 2 – Crushing strength and bending moment resistance

Range	Nominal Diameter (mm)	Crushing Strength (kN/m)	BS EN 295 Class No.	Bending Moment Resistance (kNm)
SuperSleve	100	40	–	2.00
	150	40	–	5.00
	225	45	200	9.00
	300	72	240	–

Product details – Introduction

Descriptions

Descriptions and illustrations in this publication are for guidance only.

- The fittings illustrated are indicated by a **bold Cat No.**

No responsibility can be accepted for any errors or omissions. Refer to the product itself if more detailed information is required. Due to the continuing programme of product improvement the Company reserves the right to amend any published information or to modify any product without prior notice.

Dimensions

Unless otherwise stated all dimensions are in millimetres (mm).

Symbols of certification

a) British Standard Kitemark

Identifies pipes and fittings which are manufactured under the BSI Certification Scheme.

b) CE Mark

Identifies products covered by a CE mark.

c) WaterMark

Identifies products covered by WaterMark Certificate WMK00088

d) Lifetime Jetting Guarantee

Identifies products that are guaranteed* for the system lifetime against penetration of the pipe wall caused by the following jetting criteria:

- High pressure water jet used at a pressure of up to 7500 psi (517 bar)
- At a flow rate not exceeding 20 gallons per minute (1.5 litres per second)
- Held immobile for a constant period of not more than 5 minutes

- e) When laid in accordance with our instructions and the requirements of the codes of practice and guides relevant to their use.



Standards

Hepworth Clay drainage systems comply, where applicable, with the requirements of the following British Standards:

SuperSleeve pipe and polypropylene couplings

BS EN 295-1:2013

Vitrified clay pipe systems for drains and sewers. Part 1: Requirements for pipes, fittings and joints.

Rubber sealing rings

BS EN 681-1:1996

Elastomeric seals. Material requirements for pipe joint seals used in water and drainage applications. Part 1: Vulcanized rubber.

HepLine

BS EN 295-5:2013

Vitrified clay pipe systems for drains and sewers. Part 5: Requirements for perforated pipes and fittings.

Clay Channel, Unjointed

BS 65:1991

Specification for vitrified clay pipes, fittings and ducts, also flexible mechanical joints for use solely with surface water pipes and fittings.

Quality assurance

Hepworth Clay pipes are manufactured on a site whose carbon emissions have been independently verified to EU ETS, earning it the CICS Carbon Verified Assurance Mark.

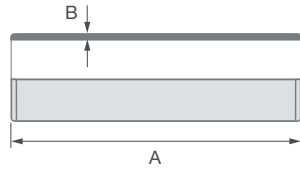
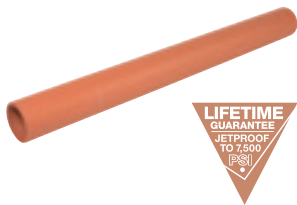
All products are manufactured under a quality management system which is approved to **BS EN ISO 9001** Quality Management Systems – Requirements. Certificate No. FM00217.

All Wavin manufacturing sites operate Environmental Management Systems which comply with the requirements of and are certified to **BS EN ISO 14001**, Certificate No. 42231.

SuperSleeve

Product Details

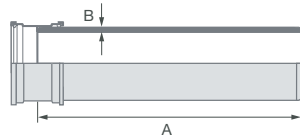
Pipes



Plain Ended Pipe

Material: Vitrified clay

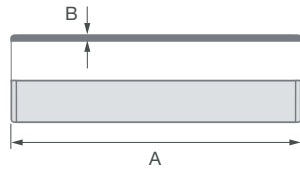
Nominal Dia (mm)	Cat No.	Certs.	Dimensions (mm)	
			A	B
100	SP1	CE	1600	11
150	SP2	CE	1750	14
225	SP175/4	CE	1750	19
300	SP7	CE	2000	29



Socketed Pipe

Material: Vitrified clay

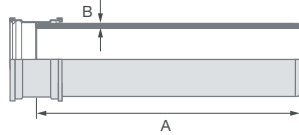
Nominal Dia (mm)	Cat No.	Certs.	Dimensions (mm)	
			A	B
225	SP175/4S	CE	1750	19
300	SP7S	CE	2000	29



Plain Ended Rocker Pipes

Material: Vitrified clay

Nominal Dia (mm)	Cat No.	Certs.	Dimensions (mm)	
			A	B
100	SP030/1	CE	300	11
100	SP060/1	CE	600	11
100	SP100/1	CE	1000	11
150	SP030/2	CE	300	14
150	SP060/2	CE	600	14
150	SP100/2	CE	1000	14
225	SP030/5	CE	300	19
225	SP060/5	CE	600	19
225	SP100/5	CE	1000	19
300	SP030/7	CE	300	29
300	SP060/7	CE	600	29
300	SP100/7	CE	1000	29



Socketed Rocker Pipes

Material: Vitrified clay

Nominal Dia (mm)	Cat No.	Certs.	Dimensions (mm)	
			A	B
225	SP030/5S	♥ CE	300	19
225	SP060/5S	♥ CE	600	19
225	SP100/5S	♥ CE	1000	19
300	SP030/7S	♥ CE	300	29
300	SP060/7S	♥ CE	600	29
300	SP100/7S	♥ CE	1000	29

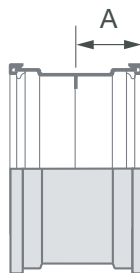
Couplings



EPDM Sealing Rings

Material: Polypropylene

Nominal Dia (mm)	Cat No.	Certs.	Dimensions (mm)	
			A	
100	SC1/1	♥ CE	45	
150	SC1/2	♥ CE	55	
225	SC1/5	♥ CE	75	
300	SC1/7	♥ CE	100	

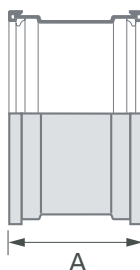


Nitrile Sealing Rings

- For applications involving petrol, diesel and oil type contamination either in the ground or the effluent
- See page 96 for guidance
- SL1C high performance lubricant should be used for installation

Material: Polypropylene

Nominal Dia (mm)	Cat No.	Certs.	Dimensions (mm)	
			A	
100	SC3/1	♥ CE	45	
150	SC3/2	♥ CE	55	
225	SC3/5	♥ CE	75	
300	SC3/7	♥ CE	100	



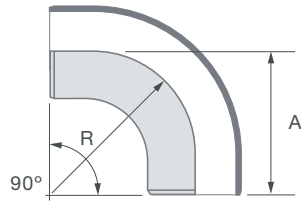
Sliding Couplings

- For new branch entries and repairs

Material: Polypropylene

Nominal Dia (mm)	Cat No.	Certs.	Dimensions (mm)	
			A	
100	SC4/1	♥ CE	90	
150	SC4/2	♥ CE	110	

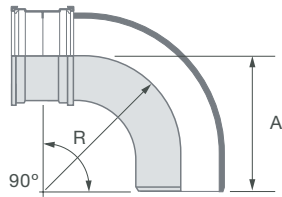
Bends



90° Plain Ended Bend

Material: Vitrified clay

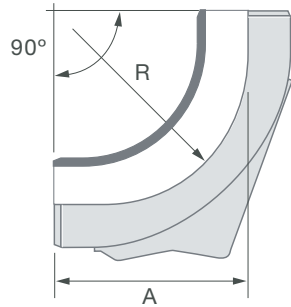
Nominal Dia (mm)	Cat No.	Certs.		Dimensions (mm)	
				A	R
100	SB1/1	✓	CE	195	150
150	SB1/2	✓	CE	285	230
225	SB1/5	✓	CE	335	235
300	SB1/7	✓	CE	470	320



90° Socketed Bend

Material: Vitrified clay

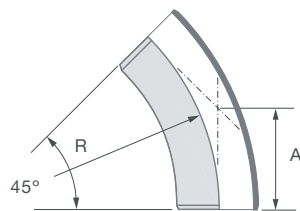
Nominal Dia (mm)	Cat No.	Certs.		Dimensions (mm)	
				A	R
225	SB1/5S	✓	CE	335	235
300	SB1/7S	✓	CE	470	320



90° Plain Ended Rest Bend

Material: Vitrified clay

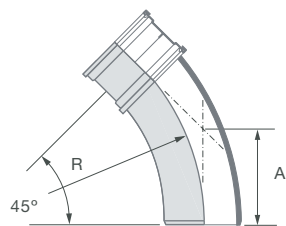
Nominal Dia (mm)	Cat No.	Certs.		Dimensions (mm)	
				A	R
100	SBR1	✓	CE	225	215
150	SBR2	✓	CE	270	230
225	SBR5	✓	CE	335	235
300	SBR7	✓	CE	470	320



45° Plain Ended Bend

Material: Vitrified clay

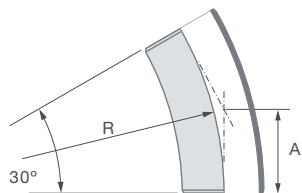
Nominal Dia (mm)	Cat No.	Certs.		Dimensions (mm)	
				A	R
100	SB2/1	✓	CE	107	150
150	SB2/2		CE	150	230
225	SB2/5	✓	CE	200	235
300	SB2/7	✓	CE	286	320



45° Socketed Bend

Material: Vitrified clay

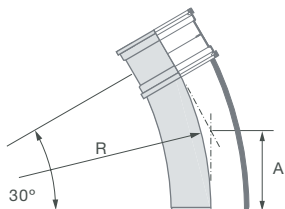
Nominal Dia (mm)	Cat No.	Certs.		Dimensions (mm)	
				A	R
225	SB2/5S	✓	CE	200	235
300	SB2/7S	✓	CE	286	320



30° Plain Ended Bend

Material: Vitrified clay

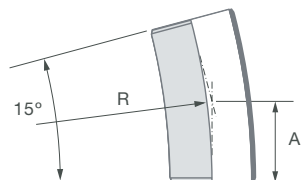
Nominal Dia (mm)	Cat No.	Certs.	Dimensions (mm)	
			A	R
100	SB3/1	CE	95	150
150	SB3/2	CE	117	230
225	SB3/5	CE	160	235
300	SB3/7	CE	230	320



30° Socketed Bend

Material: Vitrified clay

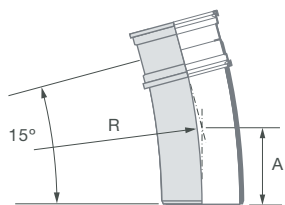
Nominal Dia (mm)	Cat No.	Certs.	Dimensions (mm)	
			A	R
225	SB3/5S	CE	160	235
300	SB3/7S	CE	230	320



15° Plain Ended Bend

Material: Vitrified clay

Nominal Dia (mm)	Cat No.	Certs.	Dimensions (mm)	
			A	R
100	SB4/1	CE	90	150
150	SB4/2	CE	100	230
225	SB4/5	CE	130	235
300	SB4/7	CE	195	320

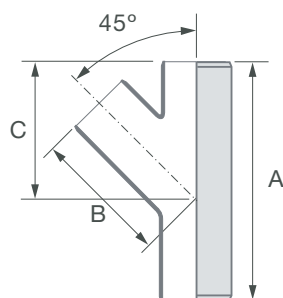


15° Socketed Bend

Material: Vitrified clay

Nominal Dia (mm)	Cat No.	Certs.	Dimensions (mm)	
			A	R
225	SB4/5S	CE	130	235
300	SB4/7S	CE	195	320

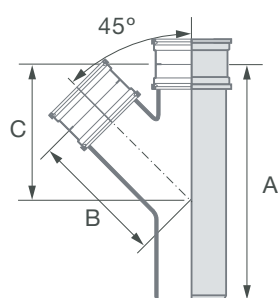
Junctions



Equal 45° Oblique Junctions – Plain Ended

Material: Vitrified clay

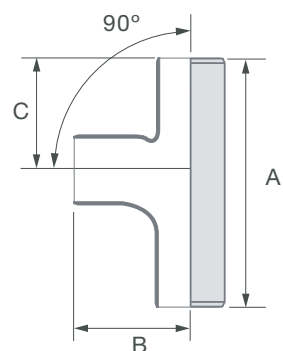
Nominal Dia (mm)	Cat No.	Certs.		Dimensions (mm)		
				A	B	C
100 x 100	SJ1/1	✓	CE	350	250	250
150 x 150	SJ1/3	✓	CE	450	340	340
225 x 225	SJ1/9	✓	CE	650	475	450
300 x 300	SJ1/19	✓	CE	800	600	600



Equal 45° Oblique Junctions – Socketed

Material: Vitrified clay

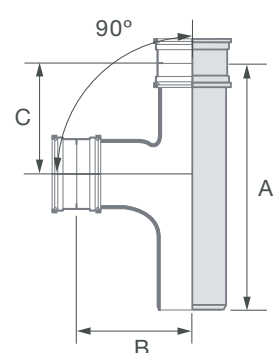
Nominal Dia (mm)	Cat No.	Certs.		Dimensions (mm)		
				A	B	C
225 x 225	SJ1/9D	✓	CE	650	475	450
300 x 300	SJ1/19D	✓	CE	800	600	600



Equal 90° Square Junctions – Plain Ended

Material: Vitrified clay

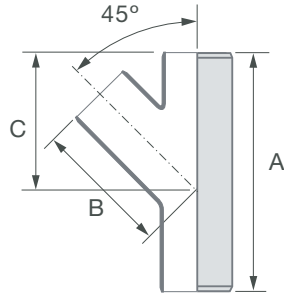
Nominal Dia (mm)	Cat No.	Certs.		Dimensions (mm)		
				A	B	C
100 x 100	SJ2/1	✓	CE	350	175	175
150 x 150	SJ2/3	✓	CE	450	225	210
225 x 225	SJ2/9	✓	CE	650	475	360
300 x 300	SJ3/19	✓	CE	800	400	400



Equal 90° Square Junctions – Socketed

Material: Vitrified clay

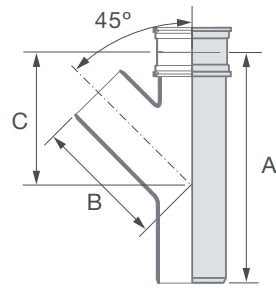
Nominal Dia (mm)	Cat No.	Certs.		Dimensions (mm)		
				A	B	C
225 x 225	SJ2/9D	✓	CE	650	475	360
300 x 300	SJ3/19D	✓	CE	800	400	400



Unequal 45° Oblique Junctions – Plain Ended

Material: Vitrified clay

Nominal Dia (mm)	Cat No.	Certs.	Dimensions (mm)		
			A	B	C
150 x 100	SJ1/2	☑ CE	450	300	300
225 x 100	SJ1/7	☑ CE	450	360	320
225 x 150	SJ1/8	☑ CE	450	375	375
300 x 100	SJ1/14	☑ CE	600	485	450
300 x 150	SJ1/15	☑ CE	600	485	500
300 x 225	SJ1/17	☑ CE	800	600	500

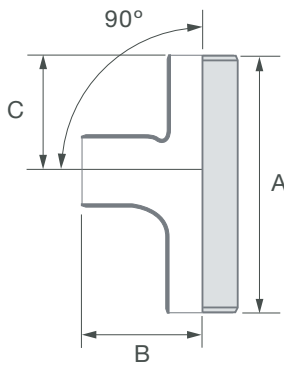


Unequal 45° Oblique Junctions – Socketed

- SJ1/17D is supplied with a coupling on the barrel and arm

Material: Vitrified clay

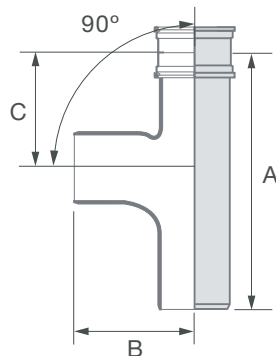
Nominal Dia (mm)	Cat No.	Certs.	Dimensions (mm)		
			A	B	C
225 x 100	SJ1/7S	☑ CE	450	360	320
225 x 150	SJ1/8S	☑ CE	450	375	375
300 x 100	SJ1/14S	☑ CE	600	485	450
300 x 150	SJ1/15S	☑ CE	600	485	500
300 x 225	SJ1/17D	☑ CE	800	600	500



Unequal 90° Square Junctions – Plain Ended

Material: Vitrified clay

Nominal Dia (mm)	Cat No.	Certs.	Dimensions (mm)		
			A	B	C
150 x 100	SJ2/2	☑ CE	450	225	185
225 x 100	SJ3/7	☑ CE	450	225	215
225 x 150	SJ3/8	☑ CE	450	225	220
300 x 100	SJ3/14	☑ CE	600	300	310
300 x 150	SJ3/15	☑ CE	600	275	320
300 x 225	SJ3/17	☑ CE	600	300	290



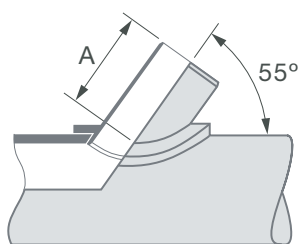
Unequal 90° Square Junctions – Socketed

- SJ3/17D is supplied with a coupling on the barrel and arm

Material: Vitrified clay

Nominal Dia (mm)	Cat No.	Certs.	Dimensions (mm)		
			A	B	C
225 x 100	SJ3/7S	☑ CE	450	225	215
225 x 150	SJ3/8S	☑ CE	450	225	220
300 x 100	SJ3/14S	☑ CE	600	300	310
300 x 150	SJ3/15S	☑ CE	600	275	320
300 x 225	SJ3/17D	☑ CE	600	300	290

Saddles

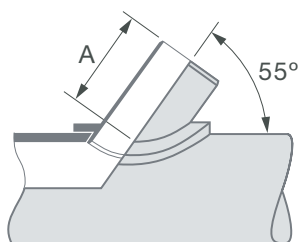


Oblique Saddles – Small

- For pipes up to and including 300mm diameter

Material: Vitrified clay

Nominal Dia (mm)	Cat No.	Certs.		Dimensions (mm)	
				A	
100	SJS1/1	▽	CE	150	
150	SJS1/2	▽	CE	190	

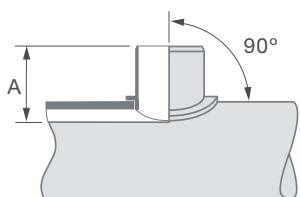


Oblique Saddles – Large

- For pipes larger than 300mm diameter

Material: Vitrified clay

Nominal Dia (mm)	Cat No.	Certs.		Dimensions (mm)	
				A	
100	SJS2/1	▽	CE	150	
150	SJS2/2	▽	CE	190	
225	SJS2/5	▽	CE	330	
300	SJS2/7	▽	CE	625	

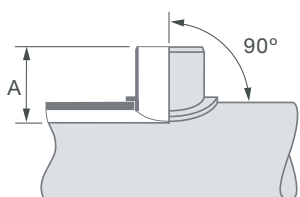


Square Saddles – Small

- For pipes up to and including 300mm diameter

Material: Vitrified clay

Nominal Dia (mm)	Cat No.	Certs.		Dimensions (mm)	
				A	
100	SJS4/1	▽	CE	100	
150	SJS4/2	▽	CE	120	



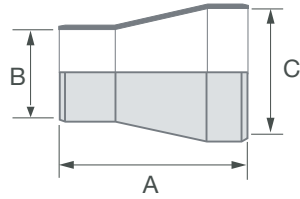
Square Saddles – Large

- For pipes larger than 300mm diameter

Material: Vitrified clay

Nominal Dia (mm)	Cat No.	Certs.		Dimensions (mm)	
				A	
100	SJS5/1	▽	CE	100	
150	SJS5/2	▽	CE	120	
225	SJS5/5	▽	CE	210	
300	SJS5/7	▽	CE	230	

Taper Pipe

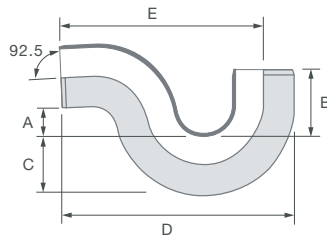


Taper Pipe – Plain Ended

Material: Vitrified clay

Nominal Dia (mm)	Cat No.	Certs.		Dimensions (mm)		
				A	B	C
100-150	ST2/1	✓	CE	250	100	150
150-225	ST3/2	✓	CE	450	150	225
225-300	ST4/3	✓	CE	550	225	300

Traps



Low Back P-Trap – Plain Ended

Material: Vitrified clay

Nominal Dia (mm)	Cat No.	Certs.		Dimensions (mm)		
				A	B	C
100	SG1/1	✓	CE	50 min	120 min	100
150	SG1/2	✓	CE	50 min	120 min	150
				D	E	
				460	400	
				555	470	

Stoppers



100 and 150mm stopper



225 and 300mm stopper



Stopper

- 100 and 150mm stoppers fit over the end of the pipe
- 225 and 300mm stoppers push into a SuperSleve socket

Material: Polypropylene* / Vitrified clay[†]

Nominal Dia (mm)	Cat No.	Certs.		Dimensions (mm)
				A
100	SS1/1*			45
150	SS1/2*			55
225	SS3/4 [†]			75
300	SS3/7 [†]			100

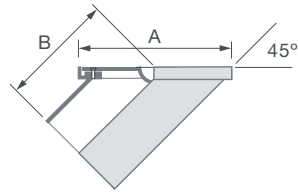


Testing Stopper

- The testing stopper has an integral nipple suitable for a push fit connection to a hose
- Stoppers fit over the end of the pipe

Material: Polypropylene

Nominal Dia (mm)	Cat No.	Certs.		Dimensions (mm)
				A
100	SS2/1			45
150	SS2/2			55



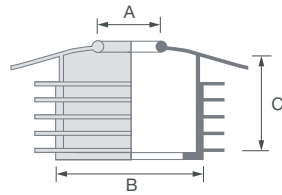
Oval Rodding Point

- The SRP2/1 incorporates a rubber seal making it airtight

Material: Aluminium

Nominal Dia (mm)	Cat No.	Certs.	Dimensions (mm)	
			A	B
100	SRP1/1		190x140	130
100	SRP2/1		190x140	130
150	SRP1/2		270x200	180

Drain Connectors



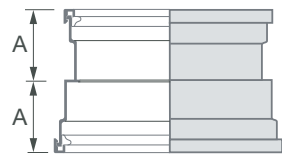
Internal Drain Connector to Waste Pipes

- For connecting 32mm up to 50mm waste pipe to a 100mm plain ended SuperSleve pipe

Material: Polypropylene / rubber

Nominal Dia (mm)	Cat No.	Certs.	Dimensions (mm)		
			A	B	C
100	S/S460		32-40	90	60
100	S/S462		50	90	60

Adaptors

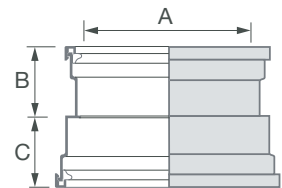


SuperSleve Adaptor to HepSleve

- 100mm SuperSleve OD is 122mm and HepSleve is 132mm
- 150mm SuperSleve OD is 178mm and HepSleve is 188mm

Material: Polypropylene

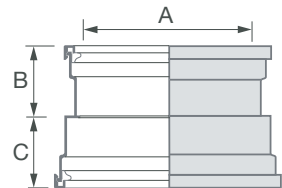
Nominal Dia (mm)	Cat No.	Certs.	Dimensions (mm)
			A
100	SA3/1		45
150	SA3/2		55



SuperSleve Adaptor to Soil/Drain Pipes

Material: Polypropylene

Nominal Dia (mm)	Cat No.	Certs.	Dimensions (mm)		
			A	B	C
100	SA9		106	55	45
150	SA10		157	55	55



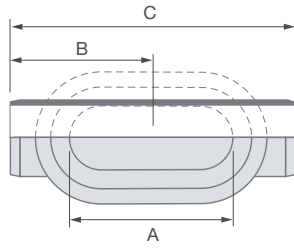
HepSleve Adaptor to Soil/Drain Pipes

- HepSleve is 132mm / 110mm soil/drain pipe
- HepSleve is 188mm / 160mm soil/drain pipe

Material: Polypropylene

Nominal Dia (mm)	Cat No.	Certs.	Dimensions (mm)		
			A	B	C
100	VA9		106	55	45
150	VA10		157	55	55

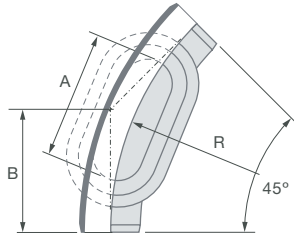
Access Fittings



Access Pipe

Material: Vitrified clay

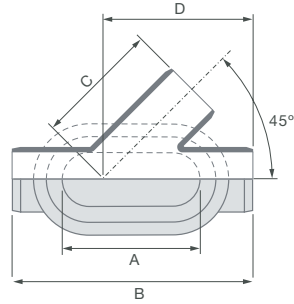
Nominal Dia (mm)	Cat No.	Certs.		Dimensions (mm)		
				A	B	C
100	SPA1	✓	CE	260 x100	225	450
150	SPA2	✓	CE	260 x100	253	505



45° Access Bend

Material: Vitrified clay

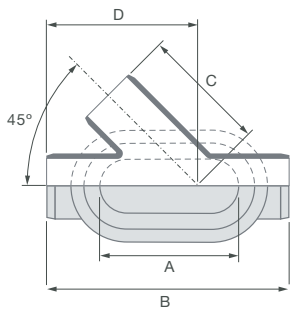
Nominal Dia (mm)	Cat No.	Certs.		Dimensions (mm)		
				A	B	R
100	SBA1	✓	CE	260 x100	250	600
150	SBA2	✓	CE	260 x100	270	650



45° Single Oblique Access Junction - Left Hand

Material: Vitrified clay

Nominal Dia (mm)	Cat No.	Certs.		Dimensions (mm)	
				A	B
100x100	SJA1L	✓	CE	260x100	450
150x100	SJA2L	✓	CE	260x100	505
150x150	SJA3L	✓	CE	260x100	505
				C	D
				240	280
				300	320
				320	320



45° Single Oblique Access Junction - Right Hand

Material: Vitrified clay

Nominal Dia (mm)	Cat No.	Certs.		Dimensions (mm)	
				A	B
100x100	SJA1R	✓	CE	260x100	450
150x100	SJA2R	✓	CE	260x100	505
150x150	SJA3R	✓	CE	260x100	505
				C	D
				240	280
				300	320
				320	320

Accessories

Product Details

Clayware Accessories



Pipe Cutter – Lever

- MPC1 cuts 100mm SuperSleve
- MPC2 cuts 100 and 150mm SuperSleve

Material: Metal

Nominal Dia (mm)	Cat No.
100	MPC1
100 & 150	MPC2

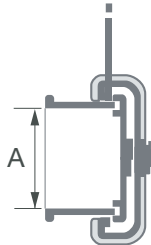


Pipe Trimmer

- For use with 100 and 150mm SuperSleve pipe

Material: Metal

Nominal Dia (mm)	Cat No.
100 & 150	MPT1



Lever Locking Stopper

- Cement mortar jointed into a socket adaptor. SA1/1 for 100mm, SA1/2 for 150mm

Material: Metal

Nominal Dia (mm)	Cat No.	Dimensions (mm)
		A
100	IL1	140
150	IL2	190



Lubricant

- Lubricant is specified as non-hazardous and should be handled according to good industrial hygiene practice
- SL1C is a high performance lubricant recommended for nitrile seals, cold and/or wet weather

Nominal Dia (mm)	Cat No.
1 kilo	SL1
2.5 kilo	SL2
1 kilo	SL1C

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