Wavin Hepworth Soil & Waste

wavin

An Orbia business.

WAVIN HEPWORTH Soil & Waste System

HEPWORTH is a brand of Wavin
We are Wavin. Leading in our field.

Wavin is now a global leader in the supply of plastic pipe systems and solutions for both above and below ground applications in projects around the world.

Since the 1950s, we have built an unrivalled reputation for continuous innovation, intelligent problem-solving, dedicated technical support and the highest standards.

Today, Wavin employees connect customers to the benefits of our technology and service. We link performance to practicality for durability and faster installation. We have sales and manufacturing operations in most European countries and around the world.

Wavin is part of Orbia

orbia
Advancing life together

Orbia is a community of companies working together to tackle some of the world's most complex challenges.

We are bound by a common purpose: ***To Advance Life Around the World.***

The WAVIN HEPWORTH Soil & Waste range offers an exceptional choice of pipe and fittings including brackets, bends, junctions, access fittings, terminations and problem solvers.

Available in a choice of connection methods:
Ring-Seal (push-fit) and Solvent Weld to give maximum installation flexibility.

- Pipes and fittings are available in 82/110/160mm sizes with Kitemark.
- Other diameters available till diam 400mm (EN 1329)

Contents

Hepworth uPVC
Soil & Waste Systems

Material	:	Acrylonitrile Butadiene Styrene (ABS)
Colour	:	Grey
Sizes	:	Nominal OD 1.25" (36mm), 1.50" (43mm), 2" (55mm)
Standards	:	The Hepworth Solvent Weld Waste Systems conform where applicable to the standards laid down by BS EN 1455-1 and are entitled to carry the Kitemark. (See note on Quality Assurance).

Solvent Waste Socket Detail

Quality Assurance
All products manufactured by Hepworth have to pass our stringent quality control procedures. A substantial majority also satisfy continuous assessment schemes operated by the British Standards Institution and are entitled to carry the Kitemark

Products which bear a British Standard number have been made in accordance with the appropriate specification. Where no relevant British Standards exist products are manufactured to our own high standards.

Application
To provide an efficient means of drainage of waste water, to either a gully or soil stack, from single or multi-story buildings.

Thermal Movement
Coefficient of linear expansion 0.5 x 10^{-4} /°C temperature rise. (See fixing instructions for further details).

Effect of Solar Radiation
The performance of ABS waste systems is unaffected by solar radiation. The painting of external pipework, however, is recommended to give protection against the discolouring effects of strong sunlight.

Effect of Frost
Frost does not have any long term detrimental effect on the pipe. However the impact strength can be reduced at sub-zero temperatures.

Flammability
Flammability = 1.3 inches per minute. Test method BS 2782 508A

Effect of Chemicals
ABS is resistant to most organic acids, alkalis and aqueous solutions although subject to attack by some inorganic acids and concentrates.

Reaction with other Materials
ABS has not been found to react adversely with any traditional building materials.

Maintenance
Designers should provide adequate access for periodic cleaning. It is advisable to paint pipes fixed externally for protection against the effect of strong sunlight.

Prefabricated Items
For installations that require special products, a prefabrication service is available. Information on these items is available through the Technical Services Department.

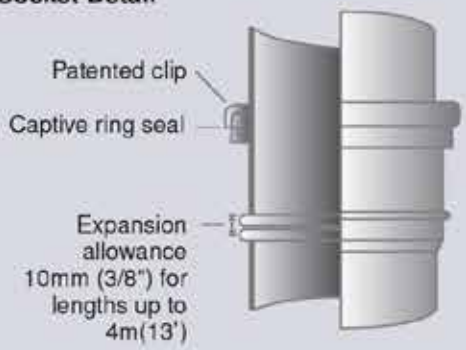
Operating temperature
60 - 75°C

Applications

- Inside the building

Material	:	Un-Plasticized Poly Vinyl Chloride (uPVC)
Colour	:	Grey
Sizes	:	Kitemarked 82mm (BS EN 4514)
		Kitemarked 110mm, and 160mm (As per BS EN 1329)
		Non Kitemarked 200mm, 250m, 315mm, (As per EN 1329)
Standard Lengths	:	6m (Special lengths are available as per customer requirement)
Joint type	:	Push-Fit System (The push-fit joint allows for the expansion of pipes and incorporated with a unique and patented purpose designed sealing method.)
	:	Solvent Socket
		Rubber ring seals are made from specially molded EPDM material to BS EN 681)

Soil Socket Detail



Prefabricated Items
For installations that require special products, a prefabrication service is available. Information on these items can be had from our Technical Services Department.

Effect of Chemicals
uPVC is resistant to most acids, alkalis and oil but liable to attack by concentrated sulphuric, nitric and chromic acids and organic solvents. For specialized applications, consult the Technical Services Department for advice.

Thermal Movement
Coefficient of linear expansion 0.5 x 10^{-4} / °C temperature rise, i.e. 1mm per 2m length for a temperature rise of 10°C. An allowance is made for expansion of pipes and pipe fittings in each socket.

Effect of Solar Radiation
Prolonged exposure to sunlight will cause the colour to fade. It may also result in slight loss of impact strength. We would not expect this to seriously affect the performance of the system.

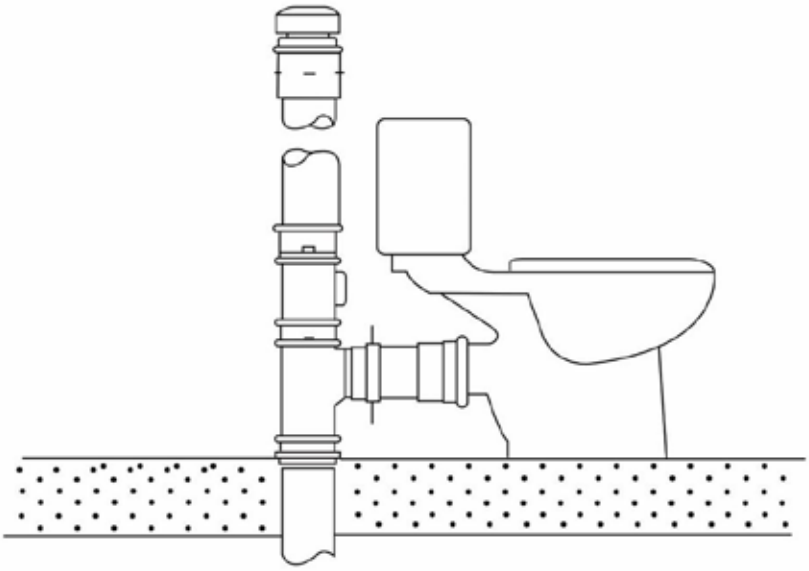
Effect of Frost
Frost does not affect the performance of the system. However, impact strength is reduced during sub-zero temperatures.

Operating temperature : Up to 60°C

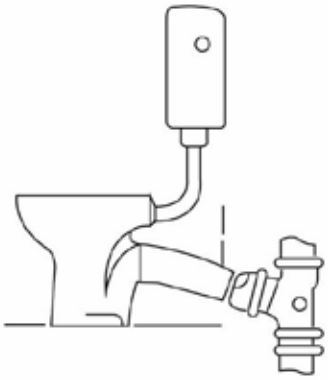
Applications

- Hotels
- Hospitals
- Commercial Buildings
- Villas
- Schools & Universities

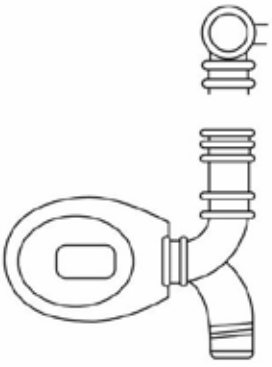
Typical Installation
W.C. Pan Connectors



It has push-fit socket outlet for use with Plain ended pipe or direct connection to soil or drain pipes.



S140 WC Connector 90° Bend **170mm** (6 5/8) Projection. Spigot Tail. Normally used to convert P to S trap (Ground Floor installations are usually direct to underground drainage). Can also be used as a turned trap connector for a close- coupled WC suite.

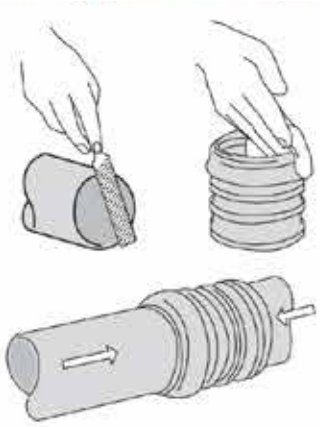


S150 WC Connector 90° Swept Turned trap with ring seal socket outlet. Ideal where the stack is to the left or right of the WC and when fixing new pans to existing soil systems. Can also be used in concealed fix situations.
Designed to take the pipework back along the wall atcorrect bracket distance.

Typical Soil&Waste Installation

Soil&Waste Installation Instructions

Jointing (Push-Fit System



Step 1. Ensure that the pipe is cut square and chamfered prior to assembly, with fittings.

Step 2. Lubricate the pipe and fittings with Silicone Lubricant and push-fit to full socket depth.

Step 3. Withdraw the pipe by 5mm on system and 10mm on soil system to allow for expansion.

Step 4. Soil fittings with spigot ends should be inserted into sockets to depth marks engraved on spigot. This procedure automatically allows for expansion.

Step 5. Anchor fittings with a socket bracket to maintain expansion allowance.

Solvent Weld System

Step 1. The pipe spigot to be cut square and clean. Remove all swarf. A chamber to the depth of half the wall thickness at 15° inclination will be applied to each spigot.

Step 2. All joints will be made with an approved solvent / cleaner, such as Parabond P14 Solvent and Parabond C-70 Cleaner. This removes all dirt and machine release agents, and softens the surface ready for the chemical solvent weld. Failure to do this can result in joint failure.

Step 3. The spigot and socket to be jointed should be carefully examined for any damage, which would impair the jointing procedure.

Step 4. The spigot insertion depth should be measured as the depth from the mouth to the shoulder of the socket. The insertion depth should then be marked on the spigot using an indelible crayon.

Step 5. The mating areas of the spigot and socket should be thoroughly cleaned using the cleaning fluid provided, using a clean rag or absorbent paper.
N.B. Manmade fibers must not be used to clean the joints that are to be solvent welded.

Step 6. Using a brush, apply an even layer of solvent cement to the mating surface of the spigot and socket. The cement should be applied in a lengthwise direction and NOT in a circular motion. For joints of nominal diameter of 3 and above, the cement should be applied simultaneously to the spigot and socket by two people.

Step 7. Immediately following the cement application, ensure that the parent pipe is suitably anchored, and push the spigot fully home in the socket without turning the pipe.

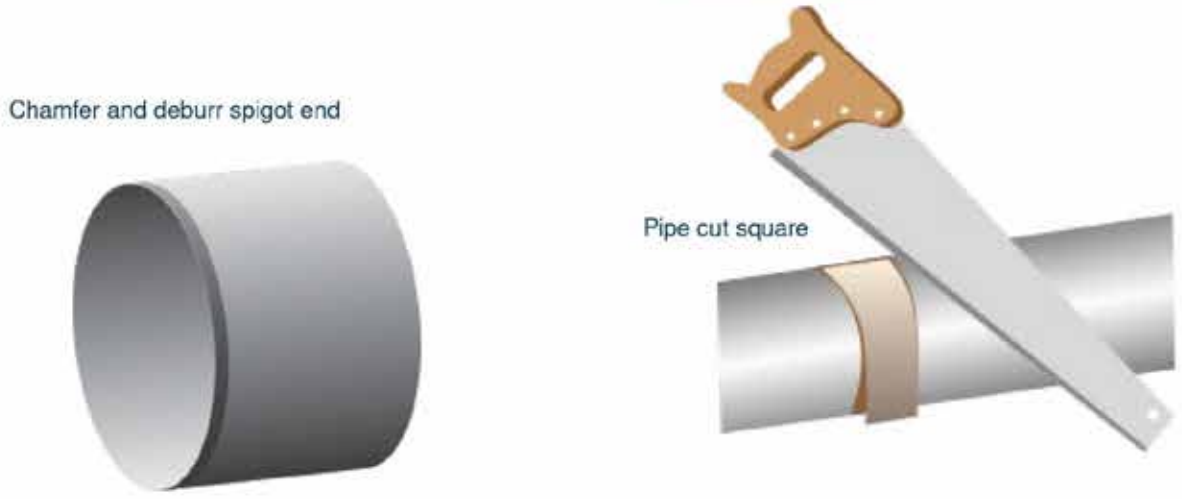
Step 8. The spigot should be inserted with a steady, continuous motion and held in place for 20 seconds.

Step 9. Remove the surplus cement from around the mouth of the socket.

Pipe Cutting Procedure

1. Cut the pipe cleanly at right angles to its axis (see figure).
2. De-burr the cut end with a scraper, if the cut end is to be inserted into a Ring-Seal or Push-Fit joint.
3. Chamfer the spigot end: This is essential to ensure that the sealing ring is not displaced during insertion.

Figure: Pipe preparation



Traps

Jointing of traps to waste outlets:

1. Use the washer supplied. Do not over tighten the nut (hand tight plus 1/8 turn). No other jointing compound should be used.
2. All traps are provided with a means of access where required.

Supports

The below table shows the recommended maximum centers of support of pipework.

	Soil	Waste
Horizontal	1.00m	0.75m
Vertical	2.00m	1.50m

Fix all clips and brackets using rustproofed c/sk screws. Use No. 8's on waste and overflow system and No. 10's on soil system.

Recommended Hole Cutter Diameter:

Cat. No.	Cutter Dia
S101	60 (2.375")
S102	60 (2.375")
S103	60 (2.375")
S105	38 (1.50")
S106	45 (1.75")
S95/3	57 (2.25")

WC Connection

A range of horizontal outlet pan connectors is available for fixing to metric pans as specified in BS 5503. These are supplied with an integral sealing diaphragm that allows for up to 5° misalignment in any direction.

Expansion / Contraction

Expansion / Contraction occurring within waste pipes BS EN 1455 will be accommodated within expansion sockets, used when pipe runs are very long.
Expansion / Contraction occurring within soil pipes BS EN 1329-1 will be accommodated within the rubber ring joints already within the system.

Inspection

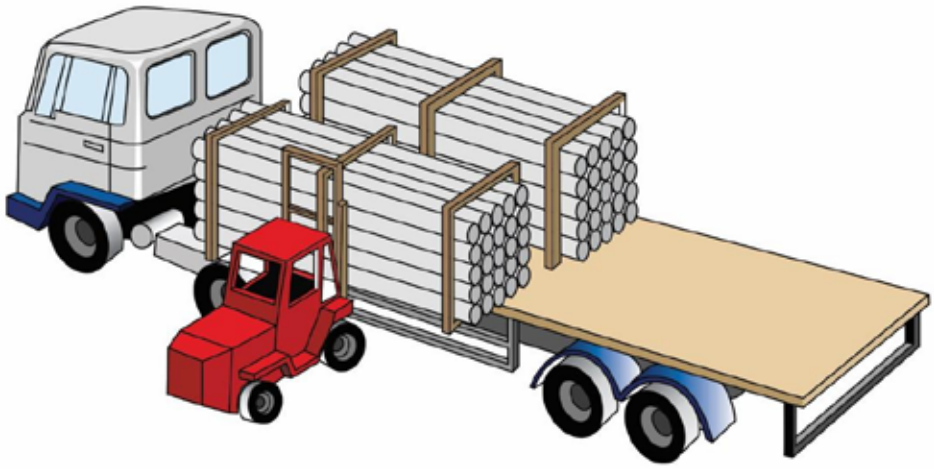
Visual inspection is to ensure that all installation procedures have been followed and that the pipes and fittings are adequately supported and restrained in the prescribed manner.

Storage & Handling

Handling

Care should be taken when handling pipe and fittings. Excessive scratching or scoring harms the appearance and can also affect the joint sealing. Take extra care when handling pipe and fittings in wintry conditions. Cold weather reduces the impact strength of plastics. Use nylon belt slings, or forklifts with smooth forks, for mechanical unloading of block bundles. Metal slings, hooks or chains must not come into contact with pipes (see Figure A). Load and unload loose pipe by hand. Avoid using skids. When loose pipes have been transported one inside the other, always remove the inner pipe first.

Figure A: Unloading of block bundles



Storage

Always store pipe on a reasonably flat surface free from sharp projections.

Block Bundles

Block bundles can be stored up to 3m high without extra side supports or bearers. Block bundles will remain free-standing when cut. Take care when releasing bundles as the straps are under considerable tension and may flail when cut.

Loose Pipes

Loose pipe requires side supports at least every 2m. These supports should consist of battens at least 75mm wide. Ideally, support loose gutter or pipe uniformly throughout its entire length. If this is not possible, place timber supports at least 75mm wide at 1m maximum centers beneath the pipe (see Figure B) Stack different size pipe separately, or, if not possible, stack with larger diameters at the bottom.

Maximum stack size

7 layers or 2m high (see Figure C). Stack Socketed Pipe with sockets protruding and placed at alternate ends to ensure pipe is evenly supported.

Figure B: Storage of loose pipe on bearers

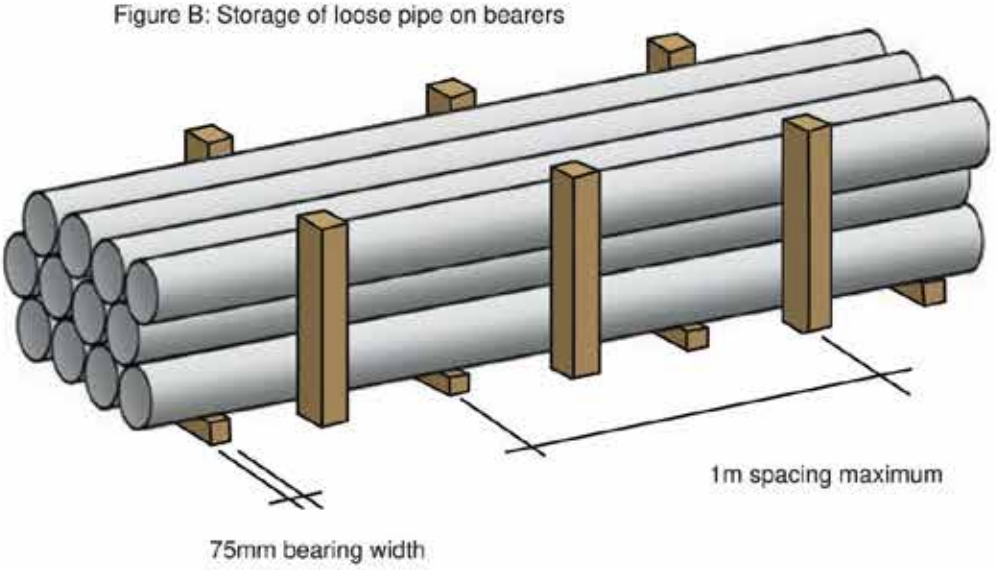
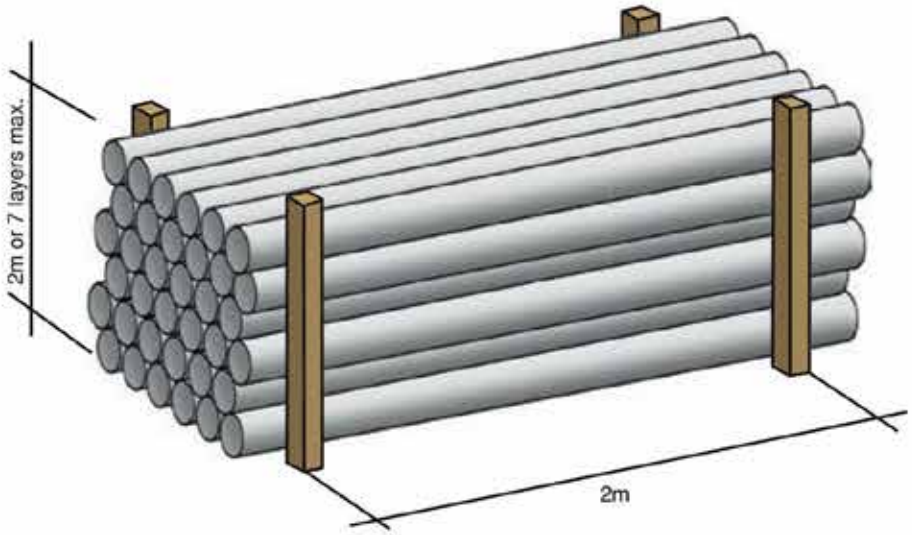


Figure C: Storage of loose pipe on the ground



Fittings

Store fittings supplied in plastic bags away from direct sunlight. If this is not possible, open bags to prevent a build-up of temperature.

Fittings in cardboard packaging (e.g. Fire Stop Seals and Air Admittance Valves) should be stored under cover until required. Store degreasing cleaners, silicone lubricant, solvent cement and fillers in a cool place away from any heat source and out of direct sunlight.

Product Details

Hepworth Soil & Waste Pipe Data

BS4514

Plain End Pipe

D (mm)	Std L (Mtr)	BSI Certification	Nominal OD D (mm)	Nominal OD Std L (Dmax)	Wavin Cat Code	Wavin SAP Code
82	6		82.4	82.8	HVL16SSKM113	3097003

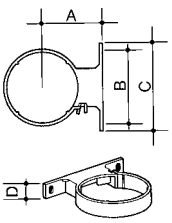
EN1329

Socket (Push Fit) End Pipe

D (mm)	Std L (Mtr)	BSI Certification	Nominal OD D (mm)	Nominal OD Std L (Dmax)	Wavin Cat Code	Wavin SAP Code
110	6		110	110.3	HVL16SIKM114	3097004
160	6		160	160.4	HVL16SIKM116	3097005
200	6		200	200.5	HVL16SINK118	3097006
250	6		250	250.5	HVL16SINK120	3097007
315	6		315	315.6	HVL16SINK121	3097009
400	6		400		HVL16SINK124	TBD

Fittings Data

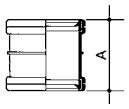
Brackets



Pipe Fixing Bracket Quick Fix

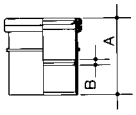
D (mm)	A	B	C	D	Item Code	Wavin SAP Code
82	83	48			WOGRS5/3	3032454
110					WOGRS5/4	3032465
160	126	175	200	32	WOGRS5/6	3032486

Couplers



Double Socket Coupler

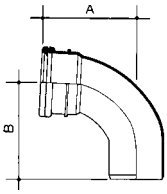
D (mm)	A	Item Code	Wavin SAP Code
82	101	HPQS1X3B	3097049
110	118	HPQS1X4B	3097050
160	149	HPQS1X6B	3097052



Single Socket Coupler

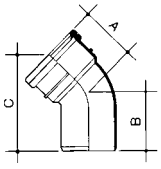
D (mm)	A			Item Code	Wavin SAP Code
82	97	37	100	HPQS2	3030184
110	113	37	100	HPQS2X3	3030182
160	139	60	325	HPQS2X6	3030185

Bends



Bends 87.5°

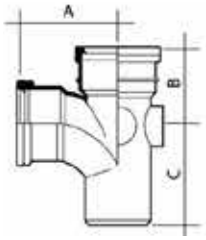
D (mm)	A	B	Item Code	Wavin SAP Code
82	135	125	HPQS12X3E	3097045
110	170	155	HPQS12X4A	3097046



Bends 45°

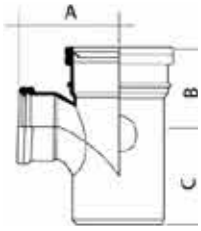
D (mm)	A	B	C	Item Code	Wavin SAP Code
82	135	72	160	HPQS15X3A	3097047
110	155	90	205	HPQS15X4A	3097048
160	130	140	225	HPS15-GRX116	3032732

Single Branch



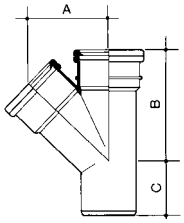
Branch Tee

D (mm)	A	B	C	Item Code	Wavin SAP Code
82	122	115	108	HPQS24X3D	3097053
110	145	135	122	HPQS24X4D	3097054
160	220	140	240	HPQS24X6	3032712



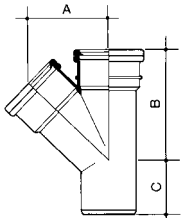
Branch Tee (Reducing)

D (mm)	A	B	C	Item Code	Wavin SAP Code
160x110	165	155	140	HPS24-GRX526	3032096



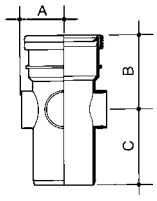
Y Branch 45°

D (mm)	A	B	C	Item Code	Wavin SAP Code
82 triple socket	120	175	220	HPQS27X3C	3097055
82				HPQS27X3D	3097164
110 triple socket	130	215	285	HPQS27X4C	3097056
110				HPQS27X4D	3097057
160 triple socket	190	135	225	HPS27-GRX116	3032733



Y Branch 45° (Reducing)

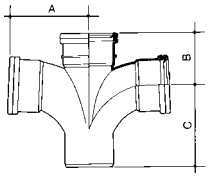
D (mm)	A	B	C	Item Code	Wavin SAP Code
160x110 triple socket	165	205	115	HPQS27X6X4C	3097058
160x110				HPQS27X6X4D	3097165



Unequal Branch (3 way bossed pipe. All bosses molded solid)

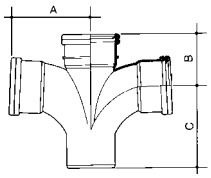
D (mm)	A	B	C	Item Code	Wavin SAP Code
82	74	108	107	HPS33-GRX113	3036136
110	83	115	110	HPS33-GRX114	3031910

Double Branches



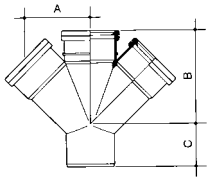
Cross Tee 87.5°

D (mm)	A	B	C	Item Code	Wavin SAP Code
110	177	177	205	HPS40-GRX114	3024845



Cross Tee 87.5°(Reducing)

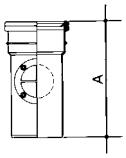
D (mm)	A	B	C	Item Code	Wavin SAP Code
160x110	220	220	254	HPS40-GRX526	3031911



Double Branch 45°

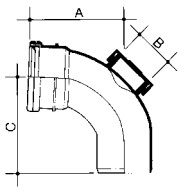
D (mm)	A	B	C	Item Code	Wavin SAP Code
110	180	203	110	HPQS43GR	3032574

Access Fittings



Access Pipe

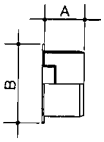
D (mm)	A	Item Code	Wavin SAP Code
82	233	HPS80-GRX113	3032040
110	269	HPS80-GRX114	3032736
160	396	HPS80-GRX116	3032735



Access Bend 87.5°

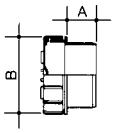
D (mm)	A	B	C	Item Code	Wavin SAP Code
110	157	98	173	HPS83-GRX114	3032042

Plugs



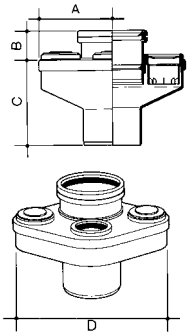
Socket Plug

D (mm)	A	B	Item Code	Wavin SAP Code
82	47	105	HPS81-GRX113	3032041
110	50	131	HPS81-GRX114	3032578
160	75	171	HPS81-GRX116	3033700



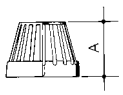
Access Plug (Screwed)

D (mm)	A	B	Item Code	Wavin SAP Code
82	53	92	HPQS84X3	3097059
110	60	119	HPQS84X4	3097060



Soil Manifold

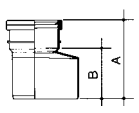
D (mm)		Item Code	Wavin SAP Code
110	Seal for 1.25 "& 1.5"	HPS300A-GR114	3036799



Vent Cowl

D (mm)	A	B	Item Code	Wavin SAP Code
82	38	75	HPS86-GRX113	3032462
110	30	90	HPS86-GRX114	3032477
160	25	60	HB6S422-GR116	3032493

Reducers



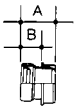
Level Invert Reducer

D (mm)	A	B	Item Code	Wavin SAP Code
82x50	96	49	HPQS94X3X2A	3097061
110X50			HPQS94X4X2A	3097166
110x82	141	80	HPQS94X4X3A	3097063
160x110	172	118	HPS94-GRX353	3032737

Bosses

Patch Boss

D (mm)	A	B	Item Code	Wavin SAP Code
82x50	78	95	HPS95-GRX339	3032216
110x50	75	95	HPS95-GRX343	3032215
160x50	50	70	HPS95-GRX116	3032045



Solvent Boss Adaptors

D (mm)	A	B	Item Code	Wavin SAP Code
82x36	45	30	HPS101-GR341	3024847
82x43	45	30	HPS102-GR342	3032452
50x50	46	32	HPS103-GR343	3032453

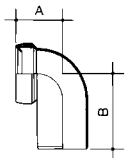
Clip Boss

D (mm)	A	B	Item Code	Wavin SAP Code
82			HPS105-GR341	3032205
110x43	50	142	HPS106-GR342	3032569

Accessories

W.C.Dry Fixing Gaskets

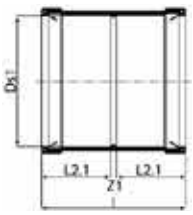
D (mm)	Item Code	Wavin SAP Code
110	HPS79-W114	3035737



W.C.Dry Bend

D (mm)	A	B	Item Code	Wavin SAP Code
110	197	145	HPS140-W114	3036429

Material: Poly Vinyl Chloride (PVC)
Colour: Light Grey
Standard: In accordance with BS EN 1329

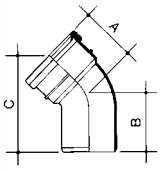



Socket (Push -Fit)

D (mm)	Ds1	L2	Z1	Item Code	Wavin SAP Code
200	200	108	223	WOGR3064683821	3024785
250	252	99	205	WOGR1110025000	3001146
315	317	111	230	WOGR1110031000	3001254
400	400			WOGR1110140000	4000812


Repair Socket (Push -Fit)

D (mm)	Ds1	L	Item Code	Wavin SAP Code
200	201	193	WOGR3064663821	3032594
250	252	205	WOGR1110125000	3001259
315	317	230	WOGR1110131000	3001260

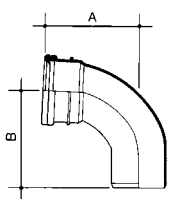



Elbow 45° (Socket/Spigot)

D (mm)	Ds1	Dn2	L1	L2	Z1	Z2	Item Code	Wavin SAP Code
200	203	200	52	81	89	52	WOGR1111120004	3021337
250	250	250					WOGR1111125004	3021203
315	315	315	86	125	125	72	WOGR1111131004	3021201
400	400	400					WOGR1111140004	4000843

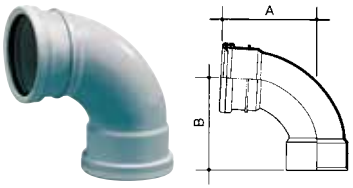

Elbow 45° (Double Socket)

D (mm)	Ds1	A1	A2	Item Code	Wavin SAP Code
110	110			HPQS15X4B	3097162
250	250	110	69	WOGR1111225004	4000848
315	315	125	86	WOGR1111231004	4063906

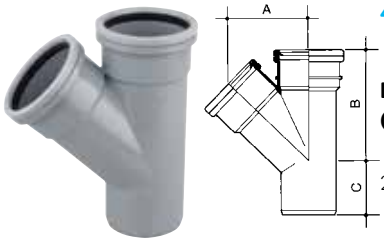
Elbow 88° (Socket/Spigot)

D (mm)	Ds1	Dn2	L1	L2	Z1	Z2	Item Code	Wavin SAP Code
160		160					WOGR3062333482	3032592
200	204	200	81	81	151	155	WOGR1111120009	3021338
250	250	250	135	100	132	143	WOGR1111125009	3021204
315	315	315	145	110	166	180	WOGR1111131009	3021202



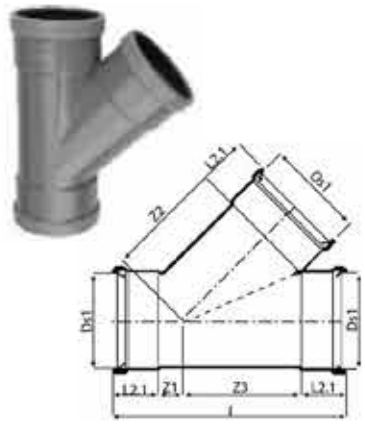
Elbow 88° (Double Socket)

D (mm)	Ds1	Dn2	L1	L2	Z1	Z2	Item Code	Wavin SAP Code
110	110	110					HPQS12X4B	3097161
250	250	250	100	100	143	143	WOGR1111225009	4000849
315	315	315	110	110	180	180	WOGR1111231009	4000853



45°Y (Tee) Branch (2 Socket/ Spigot)

D (mm)	Z1	Z2	Z3	L1	L2	Item Code	Wavin SAP Code
200	46	241	241	470	100	WOGR3064433804	3032593

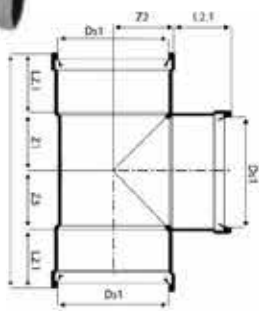


45°Y (Tee) Branch (3 Socket)

D (mm)	Ds1	L	L1	Z1	Z2	Z3	Item Code	Wavin SAP Code
250	250	720	120	55	350	380	WOGR1112225004	4000901
315	315	860	135	125	430	465	WOGR1112231314	4000919
400	400						WOGR4000920	4000920

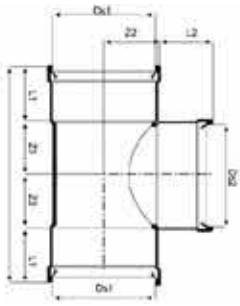
45°Y (Reducing Tee) Branch (3 Socket)

D (mm)	Ds1	Ds2	L	L1	L2	Z1	Z2	Z3	Item Code	Wavin SAP Code
200x160	200	163							WOGR3064433814	3038921
250x160	250	163	590	120	85	40	295	310	WOGR1112225164	4000905
250x200	250	204	645	120	100	75	325	330	WOGR1112225204	4000907
315x160	315	163	640	135	85	19	340	350	WOGR1112231164	4000913
315x200	315	204	680	135	100	34	295	375	WOGR1112231204	4000915
315x250	315	250	760	135	120	74	400	415	WOGR1112231254	4000917
400x200	400	200							WOGR1192240204	4001014
400x250	400	250							WOGR1112240254	4000923



Tee 88° (3 Socket)

D (mm)	Ds1	L	L1	Z1	Z2	Z3	Item Code	Wavin SAP Code
110							HPQS24X4C	3097163
200	201	410	96	112	105	106	WOGR1112220009	4005848
250	250	569	120	165	155	165	WOGR1112225009	4000902
315	315	720	135	225	135	225	WOGR1112231009	4000910

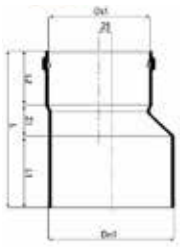


Reducing Tee 88° (3 Socket)

D (mm)	Ds1	Ds2	L	L1	L2	Z1	Z2	Z3	Item Code	Wavin SAP Code
200x160	201	163	369	96	87	91	106	86	WOGR1112220169	3001353
250x200	250	201	586	120	100	173	155	173	WOGR1112225209	4000908
400x315	400	315							WOGR1112240319	4000926

Eccentric Reducer (Sockets/ Spigot) Short

D (mm)	A	B	Item Code	Wavin SAP Code
200x160	219	149	WOGR3064553812	3024770

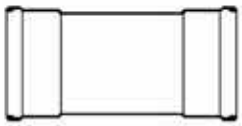


Eccentric Reducer (Sockets/ Spigot) Short

D (mm)	Ds1	Dn1	L	L1	L2	Z1	Item Code	Wavin SAP Code
200x250	200	250	310	140	108	62	WOGR1114225200	3001452
160x315	160	315					WOGR1114231160	3001455
200x315	200	315	390	155	100	135	WOGR1114231200	3001456
250x315	250	315	355	150	120	85	WOGR1114231250	3001457
315x400	315	400					WOGR1114240310	3001462

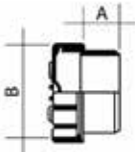
End Cap, Solvent Cement Socket

D (mm)	L	Item Code	Wavin SAP Code
32		WORG3105103000	3003256
40		WORG3105104000	3003258
50		WORG3105105000	3003259
75		WOGR3105107000	3003261
110	34	WOGR3105111000	3003264
160	80	WOGR3105116000	3003269



Access Fitting Double Socket with Slide

D (mm)	Ds1	Dn1	L	L1	Z1	Item Code	Wavin SAP Code
200	200	157	445	100	245	WOGR111242000	4000931



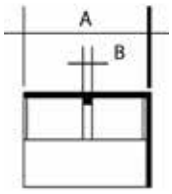
Access Plug (Screwed)

D (mm)	A	B	Item Code	Wavin SAP Code
160			WOPVS3003270	3032492
200			WOGR0455004	3003272
250			WOGR3105225000	4006035

Material: ABS
Colour: Light Grey

Plain End Pipe

D (mm)	Std L (Mtr)	Outside Diameter Min	Outside Diameter Max	Approx Wt./ mtr (kg)	Item Code	Wavin SAP Code
36	4	36.1	36.5	0.225	HEAABS25GDL4N036	3097029
43	4	42.7	43.1	0.280	HEAABS25GDL4N043	3097040
55	4	55.7	56.1	0.390	HEAABS25GDL4N055	3097051

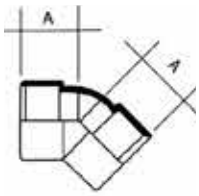


Straight Connector

D (mm)	A	B	Item Code	Wavin SAP Code
36	52	4	HPQSBW1-GR109	3097064
43	59	4	HPQSCW1-GR110	3097070
55	63	4	HPQSDW1-GR111	3097024

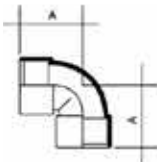
Socket Reducer

D1 (mm)	A	Item Code	Wavin SAP Code
43x36	28	HPQSCBW2G324	3097069
55x36	34	HPQSDBW2G328	3097019
55x43	33	HPQSDCW2G329	3097023



Bend 45° SW

D (mm)	A	Item Code	Wavin SAP Code
36	33	HPQSBW10G109	3097065
43	45	HPQSCW10G110	3097071
55	57	HPQSDW10G111	3097025



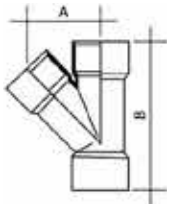
Knuckle Bend 90° (Short Length, with Docuble Socket)

D (mm)	A	Item Code	Wavin SAP Code
36		HPQSBW11G109	3097066
43	57	HPQSCW11G110	3097072
55	70	HPQSDW11G111	3097026

Knuckle Bend 90° (Short Length, with Socket/Spigot)

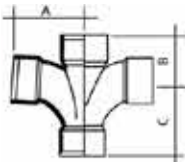
D (mm)	A	B	Item Code	Wavin SAP Code
36			HPSBW9-109	3031976
40	74	90	HPSCW9-110	3032425
55	88	110	HPSDW9-111	3032414

Tee 45° (Three Socket)



D (mm)	A	B	Item Code	Wavin SAP Code
36	65	110	HPQSBW13G109	3097067
43	70	126	HPQSCW13G110	3097074
55	78	150	HPQSDW13G111	3097027

Cross Tee 87.5°

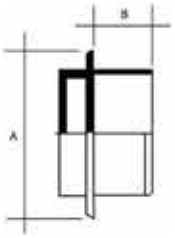


D (mm)	A	B	C	Item Code	Wavin SAP Code
55	96	53	96	HPSDW31-GR111	3032234

Swept Tee 92.50° (Triple Socket)

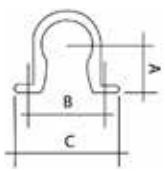
D (mm)	A	B	C	Item Code	Wavin SAP Code
36	48	27	70	HPQSBW15G109	3097068
43	64	33	82	HPQSCW15G110	3096997
55	73	32	133	HPQSDW15G111	3097028

Access Plug (with Scre Cap)



D (mm)	A	B	Item Code	Wavin SAP Code
36	40	20	HPQSCW16G109	3032055
43	41	27	HPQSCW16G110	3097008
55	41	30	HPQSDW16G111	3096998

Pipe Clip



D (mm)	A	B	C	Item Code	Wavin SAP Code
34	28	50	65	HPSBW17-109	3034967
41	25	55	70	HPSCW17-110	3034968
54				HPSDW17-111	3035101

Material: Poly Vinyl Chloride (PVC)
Colour: Light Grey
Standard: In accordance with BS EN 1329

Floor Traps

		Item Code	Wavin SAP Code
110	54	MCFTFD3OR70345	3097022
110	54	MCFTFD3OR50345	3097021

P-TRAP

	Item Code	Wavin SAP Code
110	HPQ4G10A	3097154

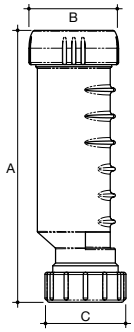
Corner Roof Outlet

	Item Code	Wavin SAP Code
110	MCFLGS3/4-GR	3097167

Flat Roof Outlets

	Item Code	Wavin SAP Code
82	MCROOFLRO113	3097155
110	MCROOFLRO114	3097168

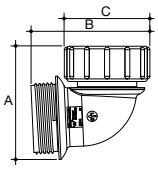
HepVO PP Waste Valves



HepVO Hygienic Self-Sealing Waste Valve

Nominal Size (mm)	Inlet OD Pipe Size	Dimensions (mm) A	B	C	Code	Wavin SAP Code
32	34.5-36.5	188	61	55	BV1	3018899
40	40.9-43.2	188	68	62	CV1	3018901

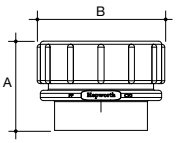
Material: Polypropylene



HepVO Knuckle Adaptor

Nominal Size (mm)	Dimensions (mm) A	B	C	Code	Wavin SAP Code
32	66	70	50	BV11	3018907
40	70	74	56	CV11	3018908

Material: Polypropylene



HepVO Running Adaptor

Nominal Size (mm)	Dimensions (mm) A	B	Code	Wavin SAP Code
32	43	55	BV3	3018899
40	43	62	CV3	3018901

Material: Polypropylene

Notes

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- Heating and cooling
- Water and gas distribution
- Waste water drainage

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December 2024