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TRADE PRICE LIST – 1st March 2019 – Revision 1

# OSMA Below Ground & Civils Systems



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All 110/160mm soil and drain pipe is now manufactured using Wavin's Recycore Technology. The pipe now contains over 50% recycled material but has exactly the same performance and handling characteristics as virgin pipe.

## Introduction to

# OSMA

**Osma** Below Ground Drainage systems, form part of a comprehensive range of plastic systems to provide intelligent solutions for all building, construction and utilities projects.

## Key to abbreviations

P/E – Pipe and fittings with both ends plain or with one plain end and one special end.

S/S – Pipe and fittings with one or more ring-seal or push-fit sockets, but always one plain or special end.

D/S – Fittings with ring-seal or push-fit sockets at all ends.

S/SW – Fittings with one or more ring-seal sockets but always one solvent socket.

## Symbols

### **British Standards Kitemark**

Identifies pipe and fittings manufactured under the BSI Kitemark Certification Scheme.

### **British Board of Agrément**

BBA logo identifies non-Kitemarked fittings covered by a British Board of Agrément Certificate.

### **WRAS Water Regulations Advisory Scheme**

Identifies pipe and fittings that are WRAS approved.

### **WIS Water Industry Specification**

WIS identifies products that conform to Water Industry Specifications.

### **CE Marking**

CE identifies product manufactured in accordance with a harmonised European Norm (hEN) accompanied with a declaration of performance (DoP).

### **Important notes:**

**OsmaDrain fittings must be ordered in their pack multiples as illustrated in price list.**

**Product photos are for example only and not representative of every fitting size.**

**Free delivery is subject to minimum order values as stated in your Wavin agreement.**

## Acceptance

### a) British Standards Institution

♥ Osma/Wavin below ground drainage systems comply where applicable with the requirements of the following British Standards:

BS EN 124:1994 Gully tops and manhole tops for vehicular and pedestrian areas.

BS EN 1401-1:2009 Plastics piping systems for non-pressure underground drainage and sewerage.

BS EN 1433:2002 Drainage channels for vehicular and pedestrian areas – Classification, design and testing requirements, marking and evaluation of conformity.

BS EN 13476 – 2 Plastics piping systems for non-pressure underground drainage and sewerage – PVC-U.

BS EN 13598 – Parts 1&2 Plastics piping systems for non-pressure underground drainage and sewerage.

BS 4660:1989/2000 Unplasticized polyvinyl chloride (PVC-U) pipes and plastics fittings of nominal size 110mm and 160mm for below ground gravity drainage and sewerage.

BS 7158:2001 Plastics inspection chambers for drains and sewers – Specification.

BS 4962:1989 Plastic pipes for use as light duty sub-soil drains.

♥ WavinCoil pipe complies with BS4962 requirements and carries the BSI Kitemark.

♥ UltraRib pipes and fittings (where applicable) comply with the requirements of the following:

BS EN 13476 – 3 Plastics piping systems for non-pressure underground drainage and sewerage.

Water Industry Specifications (WIS): WIS 4-35-01 July 2000: Issue 1.

Specification for Thermoplastics Structured Wall Pipes, Joints and Couplers with a smooth bore for gravity sewers for the size range 150-900 inclusive.

Medium Density Polyethylene pipes up to nominal size 63mm. Kitemarked to BS EN 12201-2:2003 (KM 80817).

The Trigon pipe is Kitemarked to WIS 4-32-19 (KM 533039).

The Trigon pipe is approved under Regulation 31 (England and Wales).

Regulation 27 (Scotland) and Regulation 30 (Northern Ireland) N.B. Formally Regulation 25.

Trigon fittings are WRc, DVGW and KIWA approved.

♥WRAS Trigon has full system approval under WRAS Certificate No. 0409106.

### b) British Board of Agrément

▲ Agrément Certificates have been awarded to the following systems:

87/1835 OsmaDrain Underground Drainage System.

10/H151 UltraRib HAPAS Roads and Bridges Highway Drainage System – 150mm, 225mm and 300mm.

98/3472 UltraRib Gravity Sewerage System – 150mm, 225mm and 300mm.

14/H214 UltraRib and TwinWall Road Gullies.











02/3940 TwinWall Drainage System.

03/4018 AquaCell Stormwater Management System.

02/H070 HAPAS Wavin TwinWall Highway Drainage.

# OsmaDrain

## Building Drainage System 110-160mm











Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Pipe</b> P/E Pipe				
	3.0m ♡ ♻️ 3.0m ♡ ♻️	110 160	4D073 6D073	50 25	50.43 115.67
 Made with Wavin Recycore Technology™ 	<b>P/E Pipe</b>				
	6.0m ♡ ♻️ 6.0m ♡ ♻️	110 160	4D076 6D076	50 25	100.85 231.37
	<b>Slotted Pipe</b> P/E Pipe				
	6.0m ♡ 6.0m ♡	110 160	4D066 6D066	50 25	157.41 320.18
<b>Couplers</b>					
	<b>D/S Coupler</b> – for jointing OsmaDrain slotted pipe	110 160	4D104 6D104	10 1	19.68 36.11
	<b>D/S Slip Coupler</b> – for new branch entry connections and repairs				
	♡ ♡	110 160	4D105 6D105	10 1	30.28 73.54
	<b>D/S Pipe Coupler</b> – for jointing OsmaDrain pipe				
	♡ ♡	110 160	4D205 6D205	20 1	18.34 36.75
	<b>Socket</b>				
	<b>S/S Settlement Socket</b> – expansion joint, installed vertically to accommodate differential settlement	110	4D115	1	53.65
	<b>Sleeve</b>				
	<b>Protection Sleeve</b> – for protection of pipe passing through walls	110	4D131	5	120.59
	<b>Adaptors</b>				
	<b>D/S Adaptor to Clay</b> – for connecting 110mm OsmaDrain to HepSleve	110 160	4D127 6D127	10 5	67.86 147.45
		<b>D/S Adaptor</b> – to BS EN 295 thinwall clay spigot	110 160	4D129 6D129	1 1

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Rainwater Adaptor</b> – for connecting 68mm round PVC-U RW pipe to OsmaDrain socket or spigot, external use only	110	4D149	5	14.25
	<b>Universal Rainwater Adaptor</b> – for connecting square/round rainwater downpipes up to 70mm, or waste pipe from 32mm up to 50mm, to 110mm OsmaDrain socket or spigot, external use only	110	4D159	10	15.18
	<b>D/S Adaptor to Waste Pipe</b> – 32mm	110	4D287	10	15.20
	– 40mm	110	4D288	10	15.20
	– 50mm	110	4D286	10	17.04
	<b>Internal Drain Connector</b> – for 32mm/40mm waste pipe	110	4D298	5	16.08
	<b>Internal Drain Connector</b> – for 50mm waste pipe	110	4D299	5	18.52
	<b>Adaptor</b> – to soil stacks	110	4D464	10	48.50
	<b>Temporary Site Cap</b> – for blanking off a 110mm OsmaDrain socket or spigot	110	4D295	20	5.36
	<b>Reducers</b> <b>S/S Level Invert Reducer</b> – to 82mm OsmaDrain	110	4D095	5	41.54
	<b>S/S Level Invert Reducer</b> – to 110mm OsmaDrain	160	6D099	1	60.34
	<b>Short Radius Bends</b> <b>Single Socket</b> S/S Short Radius Bend – 87.5°	110	4D161	10	44.21
	▽	160	6D161	1	112.84
	S/S Short Radius Bend – 67.5°	110	4D162	5	47.83
	▽				
	S/S Short Radius Bend – 45°	110	4D163	10	44.21
	▽	160	6D163	1	112.84
	S/S Short Radius Bend – 30°	110	4D166	10	42.59
	▽	160	6D166	1	100.01

# OsmaDrain

## Building Drainage System 110-160mm







	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	S/S Short Radius Bend – 15° ▽	110	4D167	5	42.59
	▽	160	6D167	1	100.01
	S/S Short Radius Bend – 11.25° ▽	110	4D168	5	42.59
<b>Double Socket</b>					
	D/S Short Radius Bend – 87.5° ▽	110	4D561	10	52.34
	▽	160	6D561	1	124.68
	D/S Short Radius Bend – 67.5° ▽	110	4D562	5	56.62
	D/S Short Radius Bend – 45° ▽	110	4D563	10	52.34
	▽	160	6D563	1	124.68
	D/S Short Radius Bend – 30° ▽	110	4D566	5	50.67
	▽	160	6D566	1	110.50
	D/S Short Radius Bend – 15° ▽	110	4D567	5	50.67
	▽	160	6D567	1	110.50
	D/S Short Radius Bend – 11.25° ▽	110	4D568	5	50.67
<b>Adjustable Bends</b>					
	S/S Bend – 0° to 30° – for variable angles up to 30°, rotate segments to achieve required angle ▲	110	4D173	1	53.67
	D/S Bend – 0° to 30° – for variable angles up to 30°, rotate segments to achieve required angle ▲	110	4D573	1	62.61
<b>Long Radius Bends</b>					
	Plain Ended P/E Bend – 90°	110	4D281	1	98.07
		160	6D281	1	265.19
	P/E Bend – 45° ▽	110	4D283	1	84.02
	▽	160	6D283	1	163.08
	Single Socket S/S Bend – 87.5° – with spigot length 900mm effective ▽	110	4D181	1	193.09






	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	S/S Bend – 45° – manufactured with cut out marks to convert bend to a channel bend for use with traditional manholes ▽	110	4D183	1	99.12
	<b>Double Socket</b> D/S Bend – 87.5° – satisfies recommendations of BS EN 12056: 2000 for base of soil stack applications. Manufactured with cut out marks to convert to a channel bend for use within traditional manholes ▽	110	4D581	5	84.73
	D/S Bend – 45° – manufactured with cut out marks to convert bend to a channel bend for use within traditional manholes ▽	110	4D583	1	110.54
<b>Equal Junctions</b>					
	S/S Junction – 87.5° ▽ ▽	110 160	4D190 6D190	5 1	62.43 203.77
	D/S Junction – 87.5° ▽ ▽	110 160	4D193 6D193	5 1	70.56 225.18
	S/S Junction – 45° ▽ ▽	110 160	4D210 6D210	5 1	65.15 186.22
	D/S Junction – 45° ▽ ▽	110 160	4D213 6D213	5 1	73.27 205.79
<b>Unequal Junctions</b>					
	S/S Junction – 87.5° – 160mm x 110mm ▽	160	6D198	1	157.07
	D/S Junction – 87.5° – 160mm x 110mm ▽	160	6D199	1	173.57
	S/S Junction – 45° – 160mm x 110mm ▽	160	6D218	1	160.38



# OsmaDrain










## Building Drainage System 110-160mm


	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	D/S Junction – 45° – 160mm x 110mm ▽	160	6D219	1	177.23
	<b>Anti-Flood Valves</b> For surface and foul water applications				
	S/S Anti-Flood Valve – single valve	110 160	4D921 6D921	1 1	262.42 316.53
	<b>Sealed Inspection Pipe</b> S/S Inspection Pipe – with removable rectangular cover and airtight sealing ring, for use within traditional manholes or suspended drainage installations ▽	110	4D420	1	170.14
	<b>Sealed Inspection Junction – 45°</b> S/S Equal Double Inspection Junction – with removable rectangular cover and airtight sealing ring, for use within traditional manholes or suspended drainage installations ▽	110	4D492	1	221.91
	<b>Sealed Rodding Eyes</b> P/E Rodding Eye – square, sealed access cover, suitable for use in situations requiring a loading up to 15kN (1.5 tonnes), where the frame of the cover is supported by a concrete plinth Use in conjunction with D/S Bend	110 160	4D360 6D360	5 1	106.97 146.07
	S/S Square Top Rodding Point – sealed, c/w coupling	110	4D361	1	159.31
	<b>Screwed Access Fittings</b> P/E Screwed Access Cover – allows full bore access to the drainage system for cleaning, fits into a standard OsmaDrain ring seal socket ▽ ▽	110 160	4D292 6D292	5 1	32.50 74.32
	S/S Screwed Access Cover – allows full bore access to the drainage system for cleaning, fits over a standard OsmaDrain spigot ▽ ▽	110 160	4D290 6D290	5 1	55.29 97.16

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>S/S Short Radius Access Bend – 87.5°</b> – allows access via screwed access cover to the drainage system for cleaning ♥	110	4D169	5	127.71
	<b>S/S Access Pipe</b> – allows access via screwed access cover to the drainage system for cleaning ♥ ♥	110 160	4D274 6D274	5 1	92.58 199.48
	<b>D/S Short Radius Access Bend – 87.5°</b> – allows access via screwed access cover to the drainage system for cleaning ♥	110	4D569	5	139.16
	<b>D/S Equal Access Junction – 87.5°</b> – allows access via screwed access cover to the drainage system for cleaning ♥	110	4D593	5	161.45
<b>Socket Plugs</b>					
	<b>Socket Plug</b> – internal blanking plug, fits into standard OsmaDrain spigot	110	4D291	10	15.20
	<b>P/E Socket (Closed) Plug</b> – incorporates one closed boss socket position, will form either a 32mm, 40mm or 50mm waste pipe connection when fitted with the appropriate boss socket adaptor ♥	110	4D296	5	22.92
	<b>P/E Socket Plug</b> – allows full bore access to the drainage system for cleaning, fits into a standard OsmaDrain ring seal socket ♥	160	6D296	1	49.15
	<b>P/E Socket (Open) Plug</b> – incorporates one open boss socket position, will form either a 32mm, 40mm or 50mm waste pipe connection when fitted with the appropriate boss socket adaptor ♥	110	4D297	10	34.99
<b>Universal Gully Fittings</b>					
	<b>S/S Universal Gully Trap</b> – to obtain 'P', 'Q' or 'S' trap add appropriate 45° or 87.5° OsmaDrain bend ▲	110	4D500	5	44.38

# OsmaDrain













## Building Drainage System 110-160mm

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>P/E Plain Hopper</b> – with 150mm long spigot ▲	110	4D507	2	48.77
	<b>P/E Vertical Inlet Hopper</b> – with 150mm long spigot ▲	110	4D508	1	59.65
	<b>P/E Sealed Access Hopper</b> – with 150mm long spigot ▲	110	4D527	5	140.24
	<b>SW/S Plain Hopper</b> – with solvent socket ▲	110	4D503	5	33.30
	<b>SW/S Vertical Inlet Hopper</b> – with solvent socket ▲	110	4D504	1	57.23
	<b>S/S Bossed Pipe</b> – with four boss sockets ▲	110	4D589	5	33.42
	<b>Sealed Access Cover</b> – for Universal Plain Hoppers complete with sealing ring and screws ▲	–	4D526	1	71.43
<b>Bottle Gullies</b>					
	<b>P/E Access Gully</b> – square with rotating top and grid	110	4D850	1	80.00
	<b>S/S Paved Area Gully</b> – polypropylene	110	4D860	1	119.27
	<b>Sealed Cover Plate</b> – for use with 4D860 Paved Area Gully only	–	4D862	1	66.28
	<b>Metal Grid Gully Cover</b> – for use with 4D860 Paved Area Gully only	–	4D863	1	78.46
	<b>S/S Bottle Gully – 87.5°</b> – provides access to the drainage system for cleaning, supplied with all bosses closed	110	4D900	1	93.53

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>S/SW Bottle Gully – 87.5°</b> – provides access to the drainage system for cleaning, supplied with side bosses closed but with 110mm back boss open	110	4D901	1	118.41
	<b>Sealed Access Cover</b> – for 4D900/901 Bottle Gully – complete with sealing ring and screws	–	4D915	1	92.04
	<b>Bottle Gully Riser</b> – 325mm long, for use with 4D900/901 Bottle Gully Range – 160mm spigot connection	160	4D916	1	16.87
	<b>DI Grating</b> – for 4D900/901 Bottle Gully complete with screws – suitable for installations requiring a loading up to 35kN (3.5 tonnes), where the frame of the gully is supported by a concrete plinth	–	4D919	1	70.96
	<b>Yard Gully – 300mm diameter P/E Trapped Yard Gully</b> – 600mm overall depth, supplied complete with removable rubber bung for rodding access ▲	110	4D800	1	245.74
	<b>Grating and Frame</b> – straight bar, hinged – suitable for use in installations requiring a BS EN124–B125 Medium Duty, loading up to 125kN (12.5 Tonnes) where the frame is supported in a concrete plinth ▽	–	4D810	1	313.91
	<b>Perforated Galvanised Mild Steel Catchment Bucket</b> ▲	–	4D815	1	175.09
	<b>Suspended Bracketing System</b> <b>(Not suitable for damp inaccessible voids)</b>				
	<b>Adjustable Pipe Bracket Assembly</b> (pack contains threaded rod, threaded bracket, bracket plate and pipe/socket bracket)	110	4D086	1	64.95
	<b>Adjustable Socket Bracket and Brace Assembly</b> (pack contains threaded rod, threaded bracket, bracket plate, two adjustable braces and pipe/socket bracket)	110	4D085	1	133.68

# OsmaDrain












## Building Drainage System 110-160mm












	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Testing Equipment</b> Stopper for Testing				
		110 160	4D998 6D998	1 1	59.82 93.54
<b>Cleaners, Solvent Cements, Lubricants</b>					
	<b>Degreasing Cleaner No. 1</b> – 250ml can	–	4D380	10	17.46
	<b>Solvent Cement No. 2</b> – 125ml can	–	4D383	10	20.24
	<b>Soluble Lubricant</b> – 0.5kg tub	–	4D391	1	28.67
	<b>Soluble Lubricant</b> – 2.5kg tub	–	4D395	1	82.74
<b>Spares – General</b>					
	<b>Snap Cap</b> – 4D116 is combined cap and seal	110 160	4D116 6D116	1 1	6.92 5.97
	<b>Ring Seal</b>	110 160	4D130 6D130	5 5	4.70 9.01
<b>Spares – Rodding Eyes</b>					
	<b>Gasket</b> – oval style	–	4D317	5	10.70
	<b>Screws</b> – new style (pack of 4)	–	4D318	1	4.15
<b>Spares – Screwed Access Fittings</b>					
	<b>Access Liner</b> – for 4D593	–	4D902	1	22.04
	<b>Access Liner</b> – for bend	–	4D909	1	22.04
	<b>Screwed Access Cap</b>	–	4D904	1	18.04
	<b>Access Cap Gasket</b>	–	4D992	1	5.97

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Spares – Universal Gully</b> Vertical Inlet Cover	–	4D505	10	19.78
	Gully Grating	–	4D506	1	9.73
<hr/>					
	<b>Spares – 4D900/4D901 Bottle Gullies</b>				
	Gully Plug	–	4D993	1	7.44
	Gully Grating	–	4D906	1	12.09
	Cover and Frame	–	4D908	1	35.58
<hr/>					
	<b>Spares – 4D850/4D860 Gullies</b>				
	Rotating Top and Grid – spare	–	4D851	1	28.44
	Spare Top – c/w grid	–	4D861	1	71.67
<hr/>					
	<b>Spares – 4D420/4D492 Inspection Junctions</b>				
	Sealed Inspection Junction Plug	–	4D494	10	25.29
	Inspection Junction Washers (pack of 4)	–	4D418	1	8.12
	Inspection Junction Gasket	–	4D421	5	15.54
	Inspection Junction Cover	–	4D930	1	48.91
<hr/>					
	<b>Estimator's Guide</b>				
	Price per metre	110	–		19.87
	– based on one coupler per 6.0m length	160	–		44.69

# Osma UltraRib

## Foul and Surface Water Drainage System 150-300mm








	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Pipe</b>				
	<b>P/E Pipe</b>				
	3.0m ▲ WIS ♡	150	6UR073	36	53.51
	3.0m ▲ WIS ♡	225	9UR073	16	155.55
	3.0m ▲ WIS ♡	300	12UR073	9	240.53
	<b>S/S Pipe</b>				
	3.0m ▲ WIS ♡	150	6UR043	36	65.47
	3.0m ▲ WIS ♡	225	9UR043	16	169.51
	3.0m ▲ WIS ♡	300	12UR043	9	254.17
	<b>S/S Pipe</b>				
	6.0m ▲ WIS ♡	150	6UR046	36	130.94
	6.0m ▲ WIS ♡	225	9UR046	16	339.02
	<b>Rocker Pipe</b>				
	<b>S/S Rocker Pipe</b>				
	– 600mm effective length				
	▲ ♡	150	6UR869	1	53.07
	▲ ♡	225	9UR869	1	124.03
	▲ ♡	300	12UR869	1	210.25
	<b>Couplers</b>				
	<b>D/S Slip Coupler</b>				
	– for new branch entry connections and repairs				
	▲ ♡	150	6UR105	1	42.86
	▲ ♡	225	9UR105	1	100.74
	▲ ♡	300	12UR105	1	200.84
	<b>D/S Pipe Coupler</b>				
	– for jointing UltraRib pipe				
	▲ WIS ♡	150	6UR205	1	40.18
	▲ WIS ♡	225	9UR205	1	87.47
	▲ WIS ♡	300	12UR205	1	176.22
	<b>Adaptors</b>				
	<b>D/S Adaptor</b>				
	– connector to BS EN 295 thinwall clay spigot				
	▲	150	6UR129	1	106.03
	<b>S/S Adaptor</b>				
	– 6UR socket x 160mm BS EN 1401 spigot				
	▲	150	6UR141	1	85.91
	<b>D/S Adaptor</b>				
	– 6UR socket x 160mm BS EN 1401 socket				
	▲	150	6UR142	1	102.24
	<b>S/S Adaptor</b>				
	– 6UR spigot x 160mm BS EN 1401 socket				
	▲	150	6UR143	1	89.49
	<b>Reducers</b>				
	<b>S/S Level Invert Reducer</b>				
	– to 110mm OsmaDrain spigot				
	▲	150	6UR099	1	31.56

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>S/S Level Invert Reducer</b> – to 150mm UltraRib spigot ▲	225	9UR095	1	52.86
	<b>D/S Level Invert Reducer</b> – to 225mm UltraRib spigot ▲	300	12UR093	1	171.56
<b>Short Radius Bends</b>					
	<b>S/S Bend – 45°</b> ▲	150	6UR163	1	64.56
	<b>D/S Bend – 87.5°</b> – 6UR socket x 160mm BS EN 1401 socket ▲	150	6UR560	1	125.19
	<b>D/S Bend – 87.5°</b> ▲ ▲ ▲	150	6UR561	1	72.27
		225	9UR561	1	303.65
		300	12UR561	1	478.30
	<b>D/S Bend – 45°</b> ▲ ▲ ▲	150	6UR563	1	53.74
		225	9UR563	1	226.05
		300	12UR563	1	410.51
	<b>D/S Bend – 30°</b> ▲ ▲ ▲	150	6UR566	1	53.74
		225	9UR566	1	239.43
		300	12UR566	1	398.47
	<b>D/S Bend – 15°</b> ▲ ▲ ▲	150	6UR567	1	53.74
		225	9UR567	1	233.47
		300	12UR567	1	379.40
<b>Junctions</b>					
	<b>Equal Junction – 87.5°</b>	150	6UR193	1	129.94
	D/S Junction to UltraRib spigot ▲				
	<b>Equal Junctions – 45°</b> D/S Junction to UltraRib spigot ▲ ▲ ▲	150	6UR213	1	129.94
		225	9UR213	1	450.76
		300	12UR213	1	1041.53
	<b>Unequal Junction – 87.5°</b> D/S Junction to BS EN1401 spigot – 150 x 110mm ▲	150	6UR199	1	123.44



# Osma UltraRib



## Foul and Surface Water Drainage System 150-300mm

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Unequal Junctions – 45°</b> – to BS EN1401 spigot D/S Junction – 150 x 110mm ▲	150	6UR219	1	110.62
	D/S Junction – 225 x 110mm	225	9UR224	1	314.89
	D/S Junction – 225 x 160mm	225	9UR226	1	324.39
	D/S Junction – 300 x 160mm	300	12UR236	1	697.28
	<b>Unequal Junctions – 45°</b> – to UltraRib spigot D/S Junction – 225 x 150mm ▲	225	9UR227	1	324.39
	D/S Junction – 300 x 150mm ▲	300	12UR237	1	643.63
	D/S Junction – 300 x 225mm ▲	300	12UR240	1	991.45
	<b>Screwed Access Fittings</b> <b>P/E Screwed Access Cover</b> – allows full bore access to the sewerage system for cleaning, fits in to a standard UltraRib socket ▲	150	6UR292	1	57.39
	<b>S/S Screwed Access Cover</b> – allows full bore access to the sewerage system for cleaning, fits on to a standard UltraRib spigot ▲	150	6UR290	1	72.43
	<b>Socket Plugs</b> <b>P/E Socket Plug</b> – allows full bore access to the sewerage system for cleaning, fits in to a standard UltraRib socket ▲	150	6UR296	1	21.35
	▲	225	9UR296	1	104.88
	▲	300	12UR296	1	139.76
	<b>Road Gully</b> <b>S/S Trapped Road Gully</b> – 450mm diameter x 900mm deep ▲	150	6UR600	1	203.60
	– 450mm diameter x 750mm deep ▲	150	6UR590	1	246.06
	<b>Lubricant</b> <b>Soluble Lubricant</b> – 2.5kg tub	–	6UR395	1	99.30
		<b>Soluble Lubricant</b> – 5.0kg tub	–	6UR396	1

Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Spare General</b>				
 <b>Ring Seal</b> – UltraRib socket	150	6UR117	5	6.34
	225	9UR117	5	13.88
	300	12UR117	1	25.98
<b>Estimator's Guide</b>				
<b>Price per metre</b>	150	–		21.82
– based on S/S Pipe 3.0m length	225	–		56.50
	300	–		84.72








# Osma Shallow IC

## Shallow Inspection Chambers

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Shallow Inspection Chamber (SIC)</b> – 250mm diameter shaft for use with 110mm OsmaDrain to a maximum invert depth of 0.6 metres Osma Shallow Inspection Chamber is approved and Kitemarked to BS EN 7158:2001 and BS EN 13598-1:2010				
	<b>Base Options</b> <b>D/S Equal Shallow Inspection Chamber</b> – 110mm straight channel with one 110mm x 45° branch entry either side of the main channel, for use with 110mm OsmaDrain components. Supplied complete with 2 profiled, blank-off plugs for use in unused side entries ♡	110	4D960	1	214.16
	<b>Cover and Frame Options</b> <b>Round Cover and Frame – A15 pedestrian – PVC-U</b> – sealed, for use in situations requiring a loading up to 10kN (1.5 tonne) where the frame of the cover is supported by a concrete plinth. Can be used internally ♡	-	4D325	1	121.64
	<b>Square Cover and Adjustable Frame – A15 pedestrian – PVC-U</b> – sealed, for use in situations requiring a loading up to 10kN (1.5 tonne) where the frame of the cover is supported by a concrete plinth Can be used internally ♡	-	4D961	1	121.64
	<b>Spares</b> <b>Cover to Frame Seal</b> – 250mm diameter for use with 4D325 and 4D961 covers and frames	-	4D314	5	13.37
	<b>Screws – 4D325/961</b> – pack of 4 for use in securing 4D325/4D961 cover to its frame	-	4D318	1	4.15
	<b>Round Cover – PVC-U</b> – 250mm diameter for use with 4D325 and 4D961 Frame	-	4D328	1	43.69
	<b>Blank-off Plugs</b> – 110mm diameter for use 4D960 Inspection Chamber base	-	4D964	10	26.67

# Osma Multi-Base IC

## Multi-Base Inspection Chambers

Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Multi-Base Shallow Inspection Chambers (MBIC)</b> – 315mm dia shaft for use with 110mm OsmaDrain to a maximum invert depth of 0.6 metres (0.9m adopted areas only) Osma Multi-Base Shallow Inspection Chambers are approved and Kitemarked to BS EN 7158:2001 and BS EN 13598-1:2010				
<b>Base Options</b> <b>D/S Equal Inspection Chamber Base (WAJ 1)</b> – 110mm straight channel for use with 110mm OsmaDrain components 	110	4D910	1	108.58
<b>D/S Equal Inspection Chamber Base (WAJ 3)</b> – 110mm straight channel with one 110mm x 90° left hand branch entry for use with 110mm OsmaDrain components 	110	4D911	1	111.14
<b>D/S Equal Inspection Chamber Base (WAJ 13)</b> – 110mm straight channel with one 110mm x 90° right hand branch entry for use with 110mm OsmaDrain components 	110	4D912	1	111.14
<b>D/S Equal Inspection Chamber Base (WAJ 4)</b> – 110mm straight channel with one 110mm x 45° left hand branch entry for use with 110mm OsmaDrain components 	110	4D913	1	111.14
<b>D/S Equal Inspection Chamber Base (WAJ 12)</b> – 110mm straight channel with one 110mm x 45° right hand branch entry for use with 110mm OsmaDrain components 	110	4D914	1	111.14
<b>D/S Equal Inspection Chamber Base (WAJ 5)</b> – 110mm straight channel with one 110mm x 45° branch entry either side of the main channel, for use with 110mm OsmaDrain components 	110	4D917	1	111.69
<b>D/S Equal Inspection Chamber Base (WAJ 2)</b> – 110mm bent 90° channel for use with 110mm OsmaDrain components 	110	4D918	1	109.00







# Osma Multi-Base IC

## Multi-Base Inspection Chambers

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>D/S Equal Inspection Chamber Base (WAJ 16)</b> – 110mm straight channel with one 110mm x 45° and one 110mm x 90° left hand branch entry, for use with 110mm OsmaDrain components ♡	110	4D933	1	112.89
	<b>D/S Equal Inspection Chamber Base (WAJ 7)</b> – 110mm straight channel with one 110mm x 45° and one 110mm x 90° right hand branch entry, for use with 110mm OsmaDrain components ♡	110	4D934	1	112.89
	<b>D/S Equal Inspection Chamber Base (WAJ 18)</b> – 110mm straight channel with two 110mm x 90° left/right hand branch entries, for use with 110mm OsmaDrain components ♡	110	4D935	1	156.27
<b>Shaft Options</b>					
	<b>P/E Inspection Chamber Shaft</b> – 315mm diameter x 150mm long for use with all types of multi-base 315mm bases Supplied with a pre-fitted elastomeric seal ♡	315	4D937	1	89.79
<b>Cover and Frame Options</b>					
	<b>Square Cover and Adjustable Frame</b> – A15 pedestrian – PVC-U – for use in situations requiring a loading up to 15kN (1.5 tonne) where the frame of the cover is supported by a concrete plinth For external use only ♡	-	4D969	1	141.84
<b>Spares</b>					
	<b>Shaft Seal</b> – 315mm diameter for use with 4D937 shaft sections	-	4D957	1	7.34
	<b>Cover</b> – spare cover for 4D969	-	4D970	1	47.07
	<b>Screws – 4D969</b> – pack of 4 for use in securing 4D969 cover to its frame	-	4D971	1	5.90

# Osma Universal IC







## Universal Inspection Chambers








Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
<p><b>Universal Inspection Chambers (UIC)</b></p> <p>– 450mm diameter shaft for use with 110mm or 160mm OsmaDrain or 150mm UltraRib to a maximum invert depth of 1.2 metres</p> <p>Osma Universal Inspection Chamber range is approved and Kitemarked to BS EN7158:2001 and BS EN 13598-1:2010</p>				
<b>Base Options</b>				
 <p><b>D/S Equal Inspection Chamber Base</b></p> <p>– 110mm straight channel with four 110mm (2 x 45° and 2 x 90°) left/right hand branch entries, for use with 110mm OsmaDrain components</p> <p>Supplied complete with 3 x 110mm blank-off plugs for use in unused side entries</p>	110	4D922	1	309.58
 <p><b>D/S Equal Inspection Chamber Base</b></p> <p>– 160mm straight channel with two 160mm x 90° left/right hand branch entries, for use with 160mm OsmaDrain components</p> <p>Supplied complete with 1 x 160mm blank-off plug for use in unused side entries</p> <p>For use with 160mm OsmaDrain components</p>	160	6D928	1	338.78
 <p>For use with 150mm UltraRib components</p>	150	6UR928*	1	356.90
 <p><b>D/S Unequal Inspection Chamber Base</b></p> <p>– 160mm straight channel with four 110mm (2 x 45° and 2 x 90°) left/right hand branch entries, for use with 110/160mm components</p> <p>Supplied with 3 x 110mm blank-off plug for use in unused side entries</p> <p>For use with 160mm OsmaDrain components</p>	160	6D929	1	367.23
 <p>For use with 150mm UltraRib components</p>	150	6UR929*	1	428.23
<b>Shaft Options</b>				
 <p><b>P/E Inspection Chamber Shaft</b></p> <p>– 450mm diameter x 305mm long for use with all types of Universal Inspection Chamber 450mm bases.</p> <p>Supplied with a pre-fitted elastomeric seal</p>	450	4D975	1	104.68

\* OUR discount applies

# Osma Universal IC

## Universal Inspection Chambers






Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
 <p><b>Cover &amp; Frame Options</b>  <b>Round Cover &amp; Frame – B125 - ductile iron</b>            – class BS EN 124-B125 medium duty, suitable for use in situations requiring a loading up to 125kN (12.5 tonnes), where the frame of the cover is supported by a concrete plinth            ♡</p>	-	4D942	1	268.93
 <p><b>Square Cover and Frame – A15 – polypropylene</b>            – for use with the Osma 4D975 Inspector Chamber Shaft in situations requiring a loading up to 15kN (1.5 tonnes)            Comes complete with a 350mm restricted access for depths greater than 1.2 metres            When surrounded by a concrete plinth the 4D920 can be used in situations with loadings up to 50kN (5 tonnes)            ♡</p>	-	4D920	1	206.61
 <p><b>Round Cover and Frame – A15 – polypropylene</b>            – for use with the Osma 4D975 Inspector Chamber Shaft in situations requiring a loading up to 15kN (1.5 tonnes)            Comes complete with a 350mm restricted access for depths greater than 1.2 metres            ♡</p>	-	4D924	1	173.71
 <p><b>Round Cover and Frame – A15 – polypropylene</b>            – for use with the Osma 4D975 Inspector Chamber Shaft in situations requiring a loading up to 15kN (1.5 tonnes)            ♡</p>	-	4D927	1	111.22
 <p><b>Square Recessed Cover and Frame – steel cover, polypropylene frame</b>            – for use with the Osma 4D975 Inspector Chamber Shaft in situations requiring a loading up to 25kN (2.5 tonnes), where the frame of the unit is supported by a concrete plinth</p>	-	4D945	1	262.77
 <p><b>Square Recessed Cover and Frame – steel cover, polypropylene frame</b>            – sealed and suitable for internal use            – for use with the Osma 4D975 Inspector Chamber Shaft in situations requiring a loading up to 25kN (2.5 tonnes), where the frame of the cover is supported by a concrete plinth</p>	-	4D946	1	325.25

Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Accessories</b>				
 <b>Inspection Chamber Channel Cover</b> – left hand, for use with 4D922 Inspection Chamber Base only to blank-off unused side entries	-	4D948	1	145.50
 <b>Inspection Chamber Channel Cover</b> – right hand, for use with 4D922 Inspection Chamber Base only to blank-off unused side entries	-	4D949	1	145.50
 <b>Cover Sealing Ring</b> – 450mm diameter, for sealing the cover of the 4D920/924/927 to its corresponding frame	-	4D994	1	19.22
<b>Spares</b>				
 <b>Inlet Blank-off Plugs</b> – 110mm diameter for use with all 110mm chamber inlets	-	4D926	1	17.06
 <b>Screws - 4D920</b> – pack of 4 for use in securing 4D920 cover to its frame	-	4D995	1	5.89
 <b>Screws - 4D927</b> – pack of 4 for use in securing 4D927 cover to its frame	-	4D996	1	4.24
 <b>Eye Bolts - 4D920</b> – pack of 3 for use in securing 4D920 frame to its shaft	-	4D997	1	2.77






# Osma Non Man-Entry IC

## Non Man-Entry Inspection Chambers

Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
<p><b>Non Man-Entry Inspection Chamber (NIC)</b>            – 500mm diameter shaft for use with 110mm or 160mm OsmaDrain or 150mm UltraRib to a maximum invert depth of 3.0 metres            Osma Non Man-Entry Inspection Chamber (NIC) range is approved and Kitemarked to BS EN7158:2001</p>				
<b>Base Options</b>				
 <p><b>D/S Equal Inspection Chamber Base</b>            – 110mm straight channel with two 110mm x 45° and two 110mm x 90° left/right hand branch entries, for use with 110mm OsmaDrain components            Supplied complete with a base to shaft sealing ring and 3 x 110mm blank-off plugs for use in unused side entries            ♡</p>	110	4D923	1	392.51
 <p><b>D/S Equal Inspection Chamber Base</b>            – 160mm straight channel with two 160mm x 90° left/right hand branch entries, for use with 160mm OsmaDrain components            Supplied complete with a base to shaft sealing ring and 1 blank-off plugs for use in unused side entries            For use with 160mm OsmaDrain components            ♡</p>	160	6D936	1	392.15
 <p>For use with 150mm UltraRib components            ♡</p>	150	6UR936*	1	429.26
 <p><b>D/S UnEqual Inspection Chamber Base</b>            – 160mm straight channel with two 110mm x 45° and two 110mm x 90° left/right hand branch entries, for use with 110/160mm components.            Supplied complete with a base to shaft sealing ring and 3 blank-off plugs for use in unused side entries            For use with 160mm OsmaDrain components            ♡</p>	160	6D937	1	392.16
 <p>For use with 150mm UltraRib components            ♡</p>	150	6UR937*	1	399.26






\* OUR discount applies

Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Shaft Options</b>				
 <p><b>P/E Inspection Chamber Shaft</b>                      – 500mm diameter for use with all types of NIC Chamber Bases                      Inspection Chamber Shaft 1.5 metre length                      ♡</p>	500	6D934	1	439.97
 <p><b>Inspection Chamber Shaft 3.0 metre length</b>                      ♡</p>	500	6D938	1	767.00
 <p><b>Restriction Access Cap</b>                      – for use with 6D934/6D938 shaft sections, restricts access to 350mm                      Requires 500TW117 seal</p>	500	6D930	1	138.35
 <p><b>Shaft to Restriction Access Cap Seal</b>                      – 500mm diameter for use with 6D930 Restriction Access Cap</p>	-	500TW117 <sup>†</sup>	1	64.50
<b>Spares</b>				
 <p><b>Chamber Base to Shaft Seal</b>                      – 500mm diameter for use with 6D934/6D938 shaft sections</p>	-	6D917	1	86.59
 <p><b>NIC Telescopic Adaptor</b>                      – suitable for us with 4D920 and 4D945 covers and frames. Allows height adjustment and accommodation of slopes. Restricted to 350mm internal diameter</p>	-	6D940	1	157.59

<sup>†</sup> TWI discount applies

# Wavin Range 200 IC





## Non Man-Entry Inspection Chambers: Range 200

Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
<p><b>Non Man-Entry Inspection Chambers: Range 200</b>            – 200mm diameter shaft for use with 110mm or 160mm OsmaDrain or 150mm UltraRib (via adaptor) to a maximum invert depth of 2.0 metres            Wavin Chamber Range 200 is approved and Kitemarked to BS EN 13598-1:2010</p>				
<p><b>Base Options</b>            D/S Equal Inspection Chamber Base            – 110mm or 160mm straight channel for use with 110mm or 160mm OsmaDrain components</p> 				
<p>♥            ♥</p>	110	24NE300	1	178.00
	160	26NE300	1	189.22
<p>For connection to 150mm UltraRib use adaptor 6UR141</p>	150	6UR141*	1	85.91
<p><b>Shaft Options</b>            P/E Inspection Chamber Shaft            – 200mm diameter x 2.0 metres long for use with 24/26NE300 bases</p> 				
<p>♥</p>	200	20NE002	1	137.36
<p><b>Cover and Frame Options</b>            Square Cover and Frame - A15 - polypropylene            – sealed, for use in situations requiring a loading up to 15kN (1.5 tonnes) where the frame of the cover is supported by a concrete plinth</p> 				
<p>♥</p>	-	20NE015	1	146.07
<p><b>Spares</b>            Screws - 20NE015            – pack of 4 for use in securing 20NE015 cover to its frame</p> 				
	-	4D318*	1 pack	4.15
<p>Spare Cover - polypropylene            – for use with 20NE015 frame</p> 				
	-	20NE203	1	66.28

\* OUR discount applies, • ODR discount applies







# Wavin Range 315 IC

## Non Man-Entry Inspection Chambers: Range 315

Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Non Man-Entry Inspection Chambers: Range 315</b> – 300mm diameter shaft for use with 110mm or 160mm OsmaDrain or 150mm UltraRib (via adaptor) to a maximum invert depth of 2.0 metres Wavin Inspection Chamber Range 315 is approved and Kitemarked to BS EN 13598-2:2009				
<b>Base Options</b>				
 <p>D/S Equal Inspection Chamber Base – 110mm or 160mm straight channel for use with 110mm or 160mm OsmaDrain or 150mm UltraRib components Supplied complete with a base to shaft sealing ring</p>	110	34NE300	1	280.32
	160	36NE300	1	483.55
For connection to 150mm UltraRib use adaptor 6UR141				
 <p>D/S Equal Inspection Chamber Base – 110mm or 160mm straight channel with one 110mm or 160mm x 45°, left hand branch entry, for use with 110mm or 160mm OsmaDrain or 150mm UltraRib components Supplied complete with a base to shaft sealing ring</p>	110	34NE301	1	294.33
	160	36NE301	1	507.75
For connection to 150mm UltraRib use adaptor 6UR141				
 <p>D/S Equal Inspection Chamber Base – 110mm or 160mm straight channel with one 110mm or 160mm x 45°, right hand branch entry, for use with 110mm or 160mm OsmaDrain or 150mm UltraRib components Supplied complete with a base to shaft sealing ring</p>	110	34NE302	1	294.33
	160	36NE302	1	507.75
For connection to 150mm UltraRib use adaptor 6UR141				
 <p>D/S Equal Inspection Chamber Base – 110mm or 160mm straight channel with one 110mm or 160mm x 45°, branch entry either side of the main channel, for use with 110mm or 160mm OsmaDrain or 150mm UltraRib components Supplied complete with a base to shaft sealing ring</p>	110	34NE303	1	309.05
	160	36NE303	1	533.12
For connection to 150mm UltraRib use adaptor 6UR141				

# Wavin Range 315 IC





## Non Man-Entry Inspection Chambers: Range 315

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Shaft Options</b> P/E Inspection Chamber Shaft – 300mm diameter x 2.0 metres long for use with all types of range 315 bases ♡	315	30NE002	1	175.20
	<b>Cover and Frame Options</b> Square Cover and Frame – A15 – polypropylene – sealed, for use in situations requiring a loading up to 15kN (1.5 tonnes) where the frame of the cover is supported by a concrete plinth ♡	-	30NE015	1	203.24
	<b>Spares</b> Chamber Base to Shaft seal – 315mm diameter for use with 30NE002	-	30NE200	1	14.58
	Cover and Frame Seal to Shaft – 315mm diameter for use with 30NE002	-	12TW117*	1	15.34
	Screws – 30NE015 – pack of 4 for use in securing 30NE015 cover to its frame	-	30NE205	1	4.73
	Spare Cover – polypropylene – for use with 30NE015 frame	-	30NE203	1	119.15

\* TWI discount applies






# Wavin Range 450 IC



## Non Man-Entry Inspection Chambers: Range 450

Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Non Man-Entry Inspection Chambers: Range 450</b> – 450mm diameter shaft for use with 110mm or 160mm OsmaDrain or 150mm UltraRib (via adaptor) to a maximum invert depth of 3.0 metres Wavin Inspection Chamber Range 450 is approved and Kitemarked to BS EN 13598-2:2009				
<b>Base Options</b>				
 <p>D/S Equal Inspection Chamber Base – 110mm or 160mm straight channel for use with 110mm or 160mm OsmaDrain or 150mm UltraRib components. Supplied complete with a base-to-shaft sealing ring</p> <p>▽ ▽</p> <p>For connection to 150mm UltraRib use adaptor 6UR141</p>	110 160	44NE300 46NE300	1 1	444.23 566.47
 <p>D/S Equal Inspection Chamber Base – 110mm straight channel with one 110mm x 45° and one 110mm x 90° left hand branch entry, for use with 110mm OsmaDrain components</p> <p>Supplied complete with a base to shaft sealing ring and one 110mm blank-off plug for use in unused side entry</p> <p>▽</p>	110	44NE304	1	449.71
 <p>D/S Equal Inspection Chamber Base – 110mm straight channel with one 110mm x 45° and one 110mm x 90° right hand branch entry, for use with 110mm OsmaDrain components</p> <p>Supplied complete with a base to shaft sealing ring and one 110mm blank-off plug for use in unused side entry</p> <p>▽</p>	110	44NE305	1	449.71
 <p>D/S Equal Inspection Chamber Base – 110mm straight channel with two 110mm x 45° and two 110mm x 90° left/right hand branch entries, for use with 110mm OsmaDrain components</p> <p>Supplied complete with a base to shaft sealing ring and three 110mm blank-off plugs for use in unused side entry</p> <p>▽</p>	110	44NE306	1	464.55

# Wavin Range 450 IC

## Non Man-Entry Inspection Chambers: Range 450

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<p><b>D/S Equal Inspection Chamber Base</b> – 160mm straight channel with one 110mm x 45° and one 160mm x 90° left hand branch entry, for use with 110/160mm OsmaDrain or 150mm UltraRib components</p> <p>Supplied complete with a base to shaft sealing ring and one 110mm blank-off plug for use in unused side entry</p> <p>▽</p> <p>For connection to 150mm UltraRib use adaptor 6UR141</p>	160	46NE307	1	612.22
	<p><b>D/S UnEqual Inspection Chamber Base</b> – 160mm straight channel with one 110mm x 45° and one 160mm x 90° right hand branch entry, for use with 110/160mm OsmaDrain or 150mm UltraRib components</p> <p>Supplied complete with a base to shaft sealing ring and one 110mm blank-off plug for use in unused side entry</p> <p>▽</p> <p>For connection to 150mm UltraRib use adaptor 6UR141</p>	160	46NE308	1	612.22
	<p><b>D/S UnEqual Inspection Chamber Base</b> – 160mm straight channel with two 110mm x 45° and two 160mm x 90° left/right hand entries, for use with 110mm or 160mm OsmaDrain or 150mm UltraRib components</p> <p>Supplied complete with a base to shaft sealing ring and two 110mm and one 160mm blank-off plugs for use in unused side entry</p> <p>▽</p> <p>For connection to 150mm UltraRib use adaptor 6UR141</p>	160	46NE309	1	660.93
<b>Shaft Options</b>					
	<p><b>P/E Inspection Chamber Shaft</b> – 450mm diameter x 3.0 metres long for use with all types of range 450 bases</p> <p>▽</p>	450	40NE300	1	362.84
	<p><b>Restriction Access Cap</b> – for use with 40NE300 shaft sections, restricts access to 350mm, supplied with one 450mm sealing ring</p>	450	40NE930	1	211.91



Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
 <p><b>Cover and Frame Options</b>                      Round Cover and Frame – A15                      – polypropylene                      – for use in situations requiring a loading up to 15kN (1.5 tonnes)                      ♡</p>	-	4D927 <sup>•</sup>	1	111.22
 <p><b>Spares</b>                      Chamber Base to Shaft Seal                      – 450mm diameter for use with 40NE300</p>	-	450TW117 <sup>†</sup>	1	38.31





• ODR discount applies, † TWI discount applies



# Wavin Range 600 IC


## Non Man-Entry Inspection Chambers: Range 600

Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
<p><b>Non Man-Entry Inspection Chambers: Range 600</b>            – 600mm diameter shaft for use with 150/225/300mm UltraRib or 150/225/300mm TwinWall (via adaptor) to a maximum invert depth of 3.0 metres            Wavin Inspection Chamber Range 600 is approved and Kitemarked to BS EN 13598-2:2009</p>				
<b>Base Options</b>				
 <p><b>D/S Equal Inspection Chamber Base</b>            – straight channel for use with 150/225/300mm UltraRib components            Supplied complete with a base to shaft sealing ring and two UltraRib seals as appropriate            For use with 150mm UltraRib components</p>				
<p>▽ ▲</p> <p>For use with 150mm UltraRib components</p>	150	66NE300	1	1524.11
<p>▽ ▲</p> <p>For use with 225mm UltraRib components</p>	225	69NE300	1	1555.28
<p>▽ ▲</p> <p>For use with 300mm UltraRib components</p>	300	612NE300	1	1586.34
<p>For connection to TwinWall use the appropriate S/S Adaptor i.e. 6TW145, 9TW145 or 12TW145</p>				
 <p><b>D/S Equal Inspection Chamber Base</b>            – bent 90° channel for use with 150/225/300mm UltraRib components            Supplied complete with a base to shaft sealing ring and two UltraRib seals as appropriate            For use with 150mm UltraRib components</p>				
<p>▽ ▲</p> <p>For use with 150mm UltraRib components</p>	150	66NE314	1	1524.11
<p>▽ ▲</p> <p>For use with 225mm UltraRib components</p>	225	69NE314	1	1555.28
<p>▽ ▲</p> <p>For use with 300mm UltraRib components</p>	300	612NE314	1	1586.34
<p>For connection to TwinWall use the appropriate S/S Adaptor i.e. 6TW145, 9TW145 or 12TW145</p>				

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<p><b>D/S Equal Inspection Chamber Base</b>                      – bent 30° channel for use with 150/225/300mm UltraRib components                      Supplied complete with a base to shaft sealing ring and two UltraRib seals as appropriate                      For use with 150mm UltraRib components</p> <p>▽ ▲</p> <p>For use with 225mm UltraRib components</p> <p>▽ ▲</p> <p>For use with 300mm UltraRib components</p> <p>▽ ▲</p> <p>For connection to TwinWall use the appropriate S/S Adaptor i.e. 6TW145, 9TW145 or 12TW145</p>	150	66NE315	1	1524.11
	<p><b>D/S Equal Inspection Chamber Base</b>                      – straight channel, with two equal 90° left/right hand branch entries, for use with 150/225/300 UltraRib components                      Supplied complete with a base to shaft sealing ring and four UltraRib seals as appropriate                      For use with 150mm UltraRib components</p> <p>▽ ▲</p> <p>For use with 225mm UltraRib components</p> <p>▽ ▲</p> <p>For use with 300mm UltraRib components</p> <p>▽ ▲</p> <p>For connection to TwinWall use the appropriate S/S Adaptor i.e. 6TW145, 9TW145 or 12TW145</p>	225	69NE315	1	1555.28
 	<p><b>Shaft Options</b></p> <p><b>P/E Inspection Chamber Shaft</b>                      – 600mm diameter x 3.0 metres long for use with all types of range 600 bases</p> <p>▲</p> <p><b>Restriction Access Cap</b>                      – for use with 60NE003 shaft sections, restricts access to 350mm, supplied with one 600mm sealing ring</p>	600	60NE003	1	666.51
		600	60NE930	1	171.99

# Wavin Range 600 IC



## Non Man-Entry Inspection Chambers: Range 600

Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
 <p><b>Spares</b> Chamber Base to Shaft Seal – 600mm diameter for use with 60NE003</p>	-	600TW117 <sup>†</sup>	1	93.79

<sup>†</sup> TWI discount applies














# Wavin IC Ancillaries

## Inspection Chambers – Ancillaries

Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Non Man-Entry Inspection Chambers</b> – for connecting 110/160mm OsmaDrain pipe to IC Ranges 315, 450 and 600 shaft sections				
 Connector Kit	110	NE950	1	48.09
 Connector Kit	160	NE960	1	73.44



# Osma Channels

## Domestic Channel Drainage

Description	Weight kg	Cat no	Pack qty	Price £ per piece
 <b>Domestic Channel Drainage</b> OsmaChannel (polymer concrete) – 1.0m length – 78mm overall depth, complete with galvanised grating €	6.70	100OC210	45	55.95
 OsmaChannel Start and End Plate	0.03	100OC260	10	18.26
 OsmaChannel End Outlet Connector – DN 110mm	0.07	100OC270	10	21.36
 OsmaChannel Vertical Outlet Connector – DN 110mm	0.17	100OC280	1	33.27
 OsmaChannel Sump Unit with Galvanised Grating and Bucket	13.30	100OC230	4	248.74
 OsmaChannel Galvanised Grating – 1.0m length (Spare)	1.39	100OC211	1	16.76
 RainChannel (Polypropylene) – 1.0m length – 87mm overall depth, black polypropylene channel, complete with black polypropylene snap-in grating	1.79	100OC410	49	45.39
 RainChannel End Plate	0.03	100OC460	10	6.15
 RainChannel Garage Pack – 3 x 1.0m channels and 2 end plates – in a handy carry home pack	5.43	100OC461	1	211.57
 Threshold Drain Channel (PVC-U) – 1.2m length – Complete with grating	1.64	100OC510	5	72.08
 Threshold Drain End Plate (Pair)	0.03	100OC560	1	13.96
 Threshold Drain Outlet Adaptor	0.02	100OC520	1	20.39
 Threshold Drain Jointing Piece	0.02	100OC530	1	8.96
















# Wavin Civils Channel









## Channels, Gratings and Accessories

Description	Weight kg	Cat no	Pack qty	Price £ per piece
 <p><b>Medium Duty – 100mm wide C250</b> Channel – flat, 150mm deep, 1.0m long €€</p>	14.0	100MDC100	1	102.27
 <p>Slimslot CLIPFIX® grating 500mm long – ductile iron, C250 €€</p>	3.6	100MDC110	1	43.14
 <p>Slimslot CLIPFIX® grating 500mm long – composite, C250 €€</p>	1.1	100MDC120	1	48.99
 <p>End plate – blank</p>	1.3	100MDC130	1	24.64
 <p>End plate – outlet</p>	0.8	100MDC140	1	49.56
 <p>Sump – complete with bucket (does not include grating)</p>	26.5	100MDC150	1	232.53
<p><b>Heavy Duty – 100mm wide D400/F900</b> Channel – flat, 150mm deep, 1.0m long €€</p>	16.4	100HDC100	1	165.35
 <p>PROFIX® grating 500mm long – ductile iron, D400 €€</p>	3.8	100HDC110	1	54.77
 <p>PROFIX® grating 500mm long – ductile iron, F900 €€</p>	5.0	100HDC120	1	69.50
 <p>End plate – blank</p>	1.3	100HDC130	1	36.55
 <p>End plate – outlet</p>	1.1	100HDC140	1	61.44
 <p>Sump – complete with bucket (does not include grating)</p>	33.2	100HDC150	1	363.75







# Wavin Civils Channel

## Channels, Gratings and Accessories

Description	Weight kg	Cat no	Pack qty	Price £ per piece
 <b>Heavy Duty – 150mm wide D400/F900</b> Channel – flat, 220mm deep, 1.0m long C€	26.8	150HDC100	1	220.73
 <b>PROFIX® grating 500mm long – ductile iron, D400</b> C€	6.5	150HDC110	1	87.98
 <b>PROFIX® grating 500mm long – ductile iron, F900</b> C€	8.8	150HDC120	1	111.70
 End plate – blank	1.9	150HDC130	1	105.28
 End plate – outlet	1.9	150HDC140	1	143.47
 Sump upper – (does not include grating)	25.0	150HDC150	1	457.90
 Sump lower	24.0	150HDC160	1	209.78
 Sump bucket	3.1	150HDC170	1	161.14
<b>Heavy Duty – 200mm wide D400/F900</b> Channel – flat, 280mm deep, 1.0m long C€	35.4	200HDC100	1	253.91
 <b>PROFIX® grating 500mm long – ductile iron, D400</b> C€	7.9	200HDC110	1	122.68
 <b>PROFIX® grating 500mm long – ductile iron, F900</b> C€	12.3	200HDC120	1	157.37
 End plate – blank	3.1	200HDC130	1	127.53
 End plate – outlet	3.3	200HDC140	1	157.43
 Sump upper – (does not include grating)	25.1	200HDC150	1	822.35
 Sump lower	24.0	200HDC160	1	297.25
 Sump bucket	3.5	200HDC170	1	238.99

Description	Weight kg	Cat no	Pack qty	Price £ per piece
 <b>Heavy Duty – 300mm wide D400/F900</b> Channel – flat, 390mm deep, 1.0m long C€	61.0	300HDC100	1	317.65
 PROFIX® grating 500mm long – ductile iron, D400 C€	18.5	300HDC110	1	245.58
 PROFIX® grating 500mm long – ductile iron, F900 C€	24.6	300HDC120	1	285.83
 End plate – blank	5.4	300HDC130	1	159.42
 End plate – outlet	5.3	300HDC140	1	185.65
 Sump upper – (does not include grating)	33.8	300HDC150	1	1300.46
 Sump lower	24.0	300HDC160	1	393.64
 Sump bucket	4.5	300HDC170	1	329.07

### Loading Class Application Guide

<b>A15</b>  <ul style="list-style-type: none"> <li>• Pedestrians</li> <li>• Cyclists</li> <li>• Green areas</li> </ul>	<b>B125</b>  <ul style="list-style-type: none"> <li>• Passenger car parking lots and parking decks</li> <li>• Delivery vans</li> </ul>	<b>C250</b>  <ul style="list-style-type: none"> <li>• Trucks</li> <li>• Hard shoulder</li> <li>• Verge</li> </ul>
<b>D400</b>  <ul style="list-style-type: none"> <li>• Roadways</li> </ul>	<b>E600</b>  <ul style="list-style-type: none"> <li>• Industrial areas</li> </ul>	<b>F900</b>  <ul style="list-style-type: none"> <li>• Special surfaces such as air traffic areas</li> </ul>



# Wavin TwinWall







## Surface Water Drainage System 100-600mm

Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
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**Please Note:**

1. \* Indicates non-stocked item, lead time available on request.







































2. Fitting prices are exclusive of ring seals, order separately if required.

	<b>Pipe</b> P/E Pipe 6.0m unperforated			
▲		100	4TW076	102 53.79
▲		150	6TW076	33 69.53
▲		225	9TW076	14 178.13
▲		300	12TW076	8 277.06
▲		375	375TW076	4 636.36
▲		450	450TW076	4 855.77
▲		500	500TW076	4 976.32
▲		600	600TW076	1 1257.64
	<b>P/E Pipe</b> 6.0m perforated			
▲		100	4TW176	102 56.83
▲		150	6TW176	33 73.58
▲		225	9TW176	14 187.66
▲		300	12TW176	8 299.90
▲*		375	375TW086	4 724.74
▲*		450	450TW086	4 892.60
▲*		500	500TW086	2 1073.90
▲*		600	600TW086	1 1417.52
	<b>P/E Pipe</b> 6.0m half perforated			
▲		150	6TW276	33 73.59
▲		225	9TW276	14 187.66
▲		300	12TW276	8 299.90
▲*		375	375TW096	4 724.74
▲*		450	450TW096	4 892.60
▲*		500	500TW096	2 1073.90
▲*		600	600TW096	1 1417.52
	<b>S/S Pipe</b> 6.0m unperforated			
▲		375	375TW046	4 667.98
▲		450	450TW046	4 934.63
▲		500	500TW046	4 1101.88
▲		600	600TW046	1 1424.01
	<b>S/S Pipe</b> 6.0m perforated			
▲*		375	375TW066	4 756.16
▲*		450	450TW066	4 971.73
▲*		500	500TW066	4 1155.60
▲*		600	600TW066	1 1520.46
	<b>S/S Pipe</b> 6.0m half perforated			
▲*		375	375TW056	4 756.16
▲*		450	450TW056	4 971.73
▲*		500	500TW056	4 1155.60
▲*		600	600TW056	1 1520.46

Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Couplers</b>				
 <p><b>D/S Pipe Coupler</b> – for joining TwinWall Pipe</p>	100	4TW205	1	7.91
	150	6TW205	10	8.93
	225	9TW205	8	15.81
	300	12TW205	3	26.02
	375	375TW205	1	78.80
	450	450TW205	1	97.44
	500	500TW205	1	150.56
	600	600TW205	1	198.54
<b>Adaptors</b>				
 <p><b>D/S Adaptor</b> – connector to BS EN 295 thinwall clay spigot</p>	150	6TW129	1	105.92
 <p><b>S/S Adaptor</b> – 6TW socket x 160mm BS EN 1401 spigot</p>	150	6TW141	1	29.30
 <p><b>D/S Adaptor</b> – 6TW socket x 160mm BS EN 1401 socket</p>	150	6TW142	1	29.30
<p><b>S/S Adaptor</b> – 6UR spigot x 6TW socket</p>	150	6TW145	1	39.39
<p><b>S/S Adaptor</b> – 9UR spigot x 9TW socket</p>	225	9TW145	1	102.22
<p><b>S/S Adaptor</b> – 12UR spigot x 12TW socket</p>	300	12TW145	1	142.73
<b>Reducers</b>				
 <p><b>D/S Level Invert Reducer</b> – 6TW socket x 4TW socket</p>	150	6TW097	1	57.02
 <p><b>S/S Level Invert Reducer</b> – 6TW spigot x 110mm BS EN 1401 socket, includes seal</p>	150	6TW099S	1	60.69
<p><b>S/S Level Invert Reducer</b> – 9TW spigot x 6TW socket, includes seal</p>	225	9TW095S	1	79.09
<p><b>S/S Level Invert Reducer</b> – 12TW spigot x 9TW socket, includes seal</p>	300	12TW093S	1	118.10
<p><b>S/S Level Invert Reducer</b> – 375TW spigot x 12TW socket</p>	375	375TW099	1	305.46

# Wavin TwinWall






## Surface Water Drainage System 100-600mm









Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
S/S Level Invert Reducer – 450TW spigot x 375TW socket 	450	450TW099	1	461.74
S/S Level Invert Reducer – 500TW spigot x 450TW socket 	500	500TW099	1	628.39
S/S Level Invert Reducer – 600TW spigot x 500TW socket 	600	600TW099	1	639.34
<b>Short Radius Bends</b>				
<b>D/S Bend– 87.5°</b>				
	150	6TW561	1	52.73
	225	9TW561	1	169.70
	300	12TW561	1	290.89
	375	375TW561	1	615.64
	450	450TW561	1	734.91
	500	500TW561	1	1008.12
	600	600TW561	1	1162.02
<b>D/S Bend– 45°</b>				
	150	6TW563	1	52.73
	225	9TW563	1	169.70
	300	12TW563	1	290.89
	375	375TW563	1	615.64
	450	450TW563	1	734.91
	500	500TW563	1	1008.12
	600	600TW563	1	1162.02
<b>D/S Bend– 30°</b>				
	150	6TW566	1	52.73
	225	9TW566	1	169.70
	300	12TW566	1	290.89
	375	375TW566	1	615.64
	450	450TW566	1	734.91
	500	500TW566	1	1008.12
	600	600TW566	1	1162.02
<b>D/S Bend– 15°</b>				
	150	6TW567	1	52.73
	225	9TW567	1	169.70
	300	12TW567	1	290.89
	375	375TW567	1	615.64
	450	450TW567	1	734.91
	500	500TW567	1	1008.12
	600	600TW567	1	1162.02
<b>Equal Junction – 45°</b>				
<b>D/S Junction to TwinWall spigot</b>				
	150	6TW213	1	87.08
	225	9TW213	1	339.41
	300	12TW213	1	969.53
	375	375TW375x45	1	1573.40
	450	450TW450x45	1	1846.90
	500	500TW500x45	1	2616.44
	600	600TW600x45	1	2847.25

Description	Nom dia mm	Cat no	Pack qty	Price £ per piece	
 <p><b>Equal Junction – 90°</b> D/S Junction to TwinWall spigot</p> <p>▲</p> <p>▲</p> <p>▲</p>	150	6TW193	1	96.04	
	225	9TW193	1	319.70	
	300	12TW193	1	861.54	
 <p><b>S/S Junction to TwinWall spigot</b></p> <p>▲*</p> <p>▲*</p> <p>▲*</p> <p>▲*</p>	375	375TW375x90	1	1422.90	
	450	450TW450x90	1	1846.90	
	500	500TW500x90	1	2616.44	
	600	600TW600x90	1	2847.27	
 <p><b>Unequal Junction – 45°</b> D/S Junction to TwinWall spigot</p> <p>– 225mm x 150mm</p> <p>▲</p> <p>– 300mm x 150mm</p> <p>▲</p> <p>– 300mm x 225mm</p> <p>▲</p> <p>– 375mm x 150mm</p> <p>▲</p> <p>– 450mm x 150mm</p> <p>▲</p> <p>– 500mm x 150mm</p> <p>▲*</p> <p>– 600mm x 150mm</p> <p>▲</p>	225	9TW227	1	223.07	
	300	12TW237	1	331.47	
	300	12TW240	1	591.41	
	375	375TW150x45	1	474.84	
	450	450TW150x45	1	515.04	
	500	500TW150x45	1	692.60	
	600	600TW150x45	1	745.94	
 <p><b>S/S Junction to TwinWall spigot – 45°</b></p> <p>– 375mm x 225mm</p> <p>▲*</p> <p>– 375mm x 300mm</p> <p>▲*</p> <p>– 450mm x 225mm</p> <p>▲*</p> <p>– 450mm x 300mm</p> <p>▲*</p> <p>– 450mm x 375mm</p> <p>▲*</p> <p>– 500mm x 225mm</p> <p>▲*</p> <p>– 500mm x 300mm</p> <p>▲*</p> <p>– 500mm x 375mm</p> <p>▲*</p> <p>– 500mm x 450mm</p> <p>▲*</p>	375	375TW225x45	1	711.84	
	375	375TW300x45	1	1146.61	
	450	450TW225x45	1	923.41	
	450	450TW300x45	1	1000.43	
	450	450TW375x45	1	1846.90	
	500	500TW225x45	1	1038.89	
	500	500TW300x45	1	1135.09	
	500	500TW375x45	1	2577.94	
	500	500TW450x45	1	2577.94	

# Wavin TwinWall







## Surface Water Drainage System 100-600mm

Description	Nom dia mm	Cat no	Pack qty	Price £ per piece	
 <p><b>S/S Junction to TwinWall spigot – 45°</b>            – 600mm x 225mm            ▲*            – 600mm x 300mm            ▲*            – 600mm x 375mm            ▲*            – 600mm x 450mm            ▲*            – 600mm x 500mm            ▲*</p>	600	600TW225x45	1	1191.31	
	600	600TW300x45	1	2847.25	
	600	600TW375x45	1	2847.25	
	600	600TW450x45	1	2847.25	
	600	600TW500x45	1	2847.25	
	<b>Unequal Junction – 90°</b>				
	 <p><b>S/S Junction to TwinWall spigot</b>            – 375mm x 150mm            ▲*            – 375mm x 225mm            ▲*            – 450mm x 150mm            ▲*            – 450mm x 225mm            ▲*            – 500mm x 150mm            ▲*            – 600mm x 150mm            ▲*</p>	375	375TW150x90	1	525.06
375		375TW225x90	1	711.84	
450		450TW150x90	1	569.51	
450		450TW225x90	1	923.41	
500		500TW150x90	1	710.35	
600		600TW150x90	1	824.84	
<b>End Caps</b> For TwinWall spigot					
	150	6TW750	1	27.02	
	225	9TW750	1	51.09	
	300	12TW750	1	62.93	
	375	375TW750	1	76.98	
	450	450TW750	1	106.41	
	500	500TW750	1	134.08	
	600	600TW750	1	155.32	
<b>Ring Seal</b> TwinWall socket					
	100	4TW117	1	3.59	
	150	6TW217	1	3.44	
	225	9TW217	1	8.30	
	300	12TW217	1	15.34	
	375	375TW117	1	33.85	
	450	450TW117	1	38.31	
	500	500TW117	1	64.50	
	600	600TW117	1	93.79	
<b>Road Gullies</b> P/E Road Gully					
	150	6TW650	1	111.04	
	150	6TW651	1	100.42	

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Spares</b>				
	Ring Seal – for old style TwinWall pipe				
		150	6TW117	1	3.44
		225	9TW117	1	8.30
		300	12TW117	1	15.34
	<b>Estimator's Guide</b>				
	Price per metre				
	– based on P/E Pipe 6.0m unperforated, 1 coupler and 2 ring seals	100	–		11.48
		150	–		14.23
		225	–		35.09
		300	–		55.63
	– based on S/S Pipe unperforated and 1 ring seal	375	–		111.71
		450	–		149.02
		500	–		173.47
		600	–		225.24
	– based on P/E Pipe 6.0m perforated/half perforated pipe and 1 coupler	100	–		10.79
		150	–		13.76
		225	–		33.92
		300	–		54.32
	– based on S/S perforated/half perforated pipe	375	–		126.03
		450	–		161.96
		500	–		192.60
		600	–		253.41





# WavinCoil

## Land Drainage 80-160mm

Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
 <b>Corrugated Coiled Pipe – Perforated</b> S/S Coil – 100m ♡ S/S Coil – 50m ♡ S/S Coil – 25m ♡ S/S Coil – 100m ♡ S/S Coil – 50m ♡ S/S Coil – 25m ♡ S/S Coil – 50m ♡ S/S Coil – 25m ♡	80 80 80 100 100 100 160 160	80D100 80D050 80D025 100D100 100D050 100D025 160D050 160D025	1 1 1 1 1 1 1 1	264.47 156.16 84.07 425.68 258.80 136.97 471.98 382.85
 <b>End Cap</b> S/S End Cap ♡ ♡	80 100	80D297 100D297	1 1	4.86 5.53
 <b>Couplers</b> D/S Pipe Coupler ♡ ♡ ♡	80 100 160	80D104 100D104 160D104	1 1 1	4.17 4.63 6.23
 <b>Equal Junctions – 67.5°</b> D/S Junction ♡ ♡	80 100	80D200 100D200	1 1	11.84 13.23
 <b>Unequal Junction – 67.5°</b> D/S Junction – 100mm x 80mm ♡	100	100D208	1	12.62
 <b>Equal Junctions – 67.5°</b> D/S Multi junction – with reducing bush to 80mm or 100mm pipe ♡ ♡	100 160	100D215 160D215	1 1	9.59 31.50

# Wavin MDPE

## Potable Water Pressure Pipe System 20-63mm






Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>20mm to 63mm MDPE Pipe</b>				
 Coil - 25m ♡ ♡ ♡ ♡ ♡	20	20PW025	9	33.07
	25	25PW025	10	44.41
	32	32PW025	8	70.73
	50	50PW025	1	170.55
	63	63PW025	1	259.95
 Coil - 50m ♡ ♡ ♡ ♡ ♡	20	20PW050	9	66.13
	25	25PW050	7	88.79
	32	32PW050	8	141.46
	50	50PW050	1	341.08
	63	63PW050	1	519.90
 Coil - 100m ♡ ♡ ♡ ♡ ♡	20	20PW100	9	132.27
	25	25PW100	7	177.58
	32	32PW100	4	282.91
	50	50PW100	1	682.18
	63	63PW100	1	1039.79
 Coil - 150m ♡ ♡ ♡ ♡	25	25PW150	1	266.37
	32	32PW150	1	424.37
	50	50PW150	1	1023.26
	63	63PW150	1	1559.68



# Wavin Trigon

## Barrier Pressure Pipe Potable Water System 25-63mm

Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>PE Barrier Pipe</b>				
 Coil – 50m				
– WIS	25	71021050	5	962.22
– WIS	32	71031050	1	1240.98
– WIS	63	71061050	1	3413.14
<b>Fittings</b>				
<b>Straight Couplings</b>				
 – WIS	25	71902500	10	41.36
– WIS	32	71903500	10	59.71
– WIS	63	71906500	1	177.44
<b>Reducer</b>				
 32mm x 25mm				
– WIS	32	71903225	1	103.92
 50mm x 32mm				
– WIS	50	71905232	1	106.20
 63mm x 50mm				
– WIS	63	71906250	1	113.77
<b>Transition Coupling to Copper</b>				
 25mm x 15mm				
– WIS	25	71902515	10	65.40
 25mm x 22mm				
– WIS	25	71902522	10	76.14
<b>Transition Coupling to PE</b>				
 25mm x 25mm				
– WIS	25	71902525	10	35.72
 63mm x 63mm				
– WIS	63	71906525	1	88.29
<b>Male Couplings</b>				
 25mm x 3/4"				
– WIS	25	71902570	1	20.58
 32mm x 1"				
– WIS	32	71903570	10	32.74
 63mm x 2"				
– WIS	63	71906570	1	129.24
<b>Female Couplings</b>				
 25mm x 3/4"				
– WIS	25	71902580	10	20.58
 32mm x 1"				
– WIS	32	71903580	10	32.74
 63mm x 2"				
– WIS	63	71906580	1	96.27
<b>Equal Tee</b>				
 – WIS	25	71902700	5	110.22
– WIS	32	71903700	1	170.05
– WIS	63	71906700	1	372.29
<b>Reduced Tee</b>				
 32mm x 25mm x 32mm				
– WIS	32	71903725	1	62.91
 63mm x 32mm x 63mm				
– WIS	63	71906732	1	246.50

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Elbow – 90°</b>				
	– WIS	25	71902590	10	61.59
	– WIS	32	71903590	5	127.76
	<b>Gate Valve</b>				
	– WIS	25	71902400	1	303.37
	– WIS	32	71903400	1	379.20
	– WIS	63	71906400	1	733.78
<b>Spares</b>					
	<b>Seal – Spare</b>				
	– WIS	25	71902460	1	2.85
	– WIS	32	71903460	1	5.71
	– WIS	63	71906460	1	9.52
	<b>Blanking Plug</b>				
	– WIS	25	71902410	1	7.57
	– WIS	32	71903410	1	11.39
	– WIS	63	71906410	1	22.75
	<b>Support Inserts</b>				
	– WIS	25	71902420	1	1.91
	– WIS	32	71903420	1	2.85
	– WIS	63	71906420	1	7.57

## Introduction to

# Wavin Stormwater Management Systems

Wavin's specialist approach to responsible management of stormwater, including its efficient capture, transportation, cleansing, infiltration and attenuation and re-use. We're ready to contribute at any stage in a project, with one central goal: to help achieve the optimum project outcome. Our in-depth expertise, design insight and proven system technology is applied wherever required to ensure each installed scheme achieves maximum efficiency of cost and integrated function, and full compliance to the latest regulatory criteria.

## Key to abbreviations

B	Black	G	Grey
Gn	Green	W	White

## Symbols

### **British Standards Kitemark**

Identifies pipe and fittings manufactured under the B.S.I. Certification Scheme.

### **British Board of Agrément**

BBA Logo Identifies non-Kitemarked fittings covered by a British Board of Agrément Certificate.






## Acceptance

### a) **British Board of Agrément**

 AquaCell Eco, Prime, Core and Plus have been awarded British Board of Agrément approval under BBA Agrément Certificate No.03/4018.

# Wavin AquaGrid




## Plastic Pervious Paving System

Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
 <p><b>Plastic Pervious Paving</b> AquaGrid 50 – 500mm x 500mm x 50mm, supplied complete with three pins</p>	-	0AG550	92	14.52
 <p>AquaGrid 75 – 500mm x 500mm x 75mm, supplied complete with three pins</p>	-	0AG575	60	20.32
<p><b>Ancillary Items</b></p>  <p>AquaGrid Pins - for use with both 50mm and 75mm units</p>	-	0AG502	90	1.18
 <p>AquaGrid Demarcation Block – 50mm – for identification of car parking areas, for use with the 50mm deep systems</p>	50	0AG504	1	5.82
 <p>AquaGrid Demarcation Block – 75mm – for identification of car parking areas, for use with the 75mm deep systems</p>	75	0AG505	1	5.82

# Wavin

## Vortex Valves

### Vortex Flow Control Valves

Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
<p><b>Vortex Flow Control Valves</b> – for the management of stormwater discharge</p>				
 <p><b>Tornado – Vortex Flow Control Valves *</b> – comes complete with an integral pivoting bypass door and stainless steel wire rope, facilitating emergency drain-down from ground level. Spigot or plate fixing options available.</p>	–	–	–	POA
 <p><b>Hurricane – Vortex Flow Control Valves *</b> – comes complete with lifting handle, which enables easy and convenient de-mounting/mounting of the valve from ground level. Spigot or plate fixing options available.</p>	–	–	–	POA
 <p><b>Typhoon – Vortex Flow Control Valves *</b> – comes complete with integral drain-down facility via a removable up-stand pipe from ground level. Spigot or plate fixing options available.</p>	–	–	–	POA

\* The vortex valves are bespoke and custom built for any required discharge rate, contact Technical Design for more information.

# Wavin AquaCell











## AquaCell System

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>AquaCell Modular Units</b> <b>AquaCell Eco</b> (for landscaped/ non-trafficked sites) – for soakaway and storage applications - 1.0m x 0.5m x 0.4m 100% recycled polypropylene modular unit - 95% void Supplied complete with three clips and two shear connectors (BBA No. 03/4018) 	160	6LB025	15#	98.88
	<b>AquaCell Core-R</b> (for both regular and heavy traffic loadings) <b>NEW</b> – for soakaway and storage applications – 1.0m x 0.5m x 0.4m modular unit – 95% void Supplied complete with three clips and two shear connectors 	160	6LB150	15#	158.75
	<b>AquaCell Plus-R</b> (for deep and/or inspectable applications in landscaped and regular/heavily trafficked areas) <b>NEW</b> – for soakaway and storage applications where inspectability is required – 1.0m x 0.5m x 0.4m modular unit – 95% void. Supplied complete with three clips, two shear connectors and one end cap 	160	6LB250	15#	181.49
	<b>Silt Traps</b>				
	<b>Silt Trap</b> 500mm diameter x 1.25m depth – with 160mm OsmaDrain inlet – with 225mm TwinWall inlet – with 300mm TwinWall inlet		6LB600 6LB622 6LB630	1◇ 1◇ 1◇	854.48 854.48 854.48
	<b>Domestic Silt Trap</b> - for non loaded applications – 250mm diameter x 750mm depth – with 110mm diameter inlet and outlet spigots (for use with the 4D961 cover and frame)		6LB300	1	203.01
	<b>Extension Piece for 6LB300</b> – 250mm diameter x 500mm depth (effective length = 335mm)		6LB301	1	112.74
	<b>Silt Trap Bucket for 6LB300</b> – 200mm x 210mm depth		6LB302	1	120.86

◇ Non-stock item, lead time and terms and conditions available on request.  
 # Site deliveries are 15 pieces. Merchant deliveries are 12 pieces.

# Wavin AquaCell

## AquaCell System

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Ancillary Items</b>				
	<b>S/S Adaptor</b> – 6UR socket x 160mm BS EN 1401 spigot for connection of UltraRib to infiltration unit	150	6UR141*	1	85.91
	<b>S/S Level Invert Reducer</b> – to 110mm pipe	150	6UR099*	1	31.56
	<b>S/S Adaptor</b> – 6TW socket x 160mm BS EN 1401 spigot	150	6TW141†	1	29.30
	<b>S/S Level Invert Reducer</b> – to 110mm OsmaDrain	160	6D099•	1	60.34
	<b>PE Adaptor</b> – 160mm spigot connection	150	4D916•	1	16.87
	<b>Flange Adaptor (150mm)</b> – 6UR socket for connection of UltraRib to infiltration unit at positions other than preformed opening	150	6LB104	1	100.68
	<b>Flange Adaptor (225mm)</b> – 9UR socket for connection of UltraRib to infiltration unit	225	6LB106	1	163.37
	<b>AquaCell Clip (spare)</b> – for joining units		6LB105	1	2.00
	<b>AquaCell Shear Connector (spare)</b> – for joining in multi-layer installations		6LB102	1	1.50
	<b>AquaCell Plus-R End Cap (spare)</b> <b>NEW</b> – for blocking off unused inlets/outlets		6LB202	1	3.13

# Wavin

## Q-Bic Plus







### Inspectable & Cleanable Infiltration/Attenuation System

Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Q-Bic Plus System</b>				
 <p><b>Q-Bic Plus Column Unit</b> Structural component of Q-Bic Plus system</p>		3059730	1	120.07
 <p><b>Q-Bic Plus Solid Base Plate</b> Solid base plate for use in attenuation applications</p>		3059731	1	39.42
 <p><b>Q-Bic Plus Perforated Base Plate</b> Perforated base plate for use in infiltration applications</p>		3059732	1	34.52
 <p><b>Q-Bic Plus Side Plate</b> For use on external walls of Q-Bic Plus structure</p>		3059733	1	28.74
<b>Connection options</b>				
 <p><b>Q-Bic Plus Connection Plate – 160mm</b> For use with 160mm pipe</p>	160	3059735	1	23.11
 <p><b>Q-Bic Plus Connection Plate – 315mm</b> For use with 4062303, 4062358, 4062356, 4062357 flange adaptors</p>	315	3059736	1	21.28
 <p><b>Q-Bic Plus Side Flange Adaptor – 225mm UltraRib</b> For connecting 225mm UltraRib pipe. Can be used with 9TW145 for connections to 225mm TwinWall. Requires 3059736</p>		4062303	1	67.58
 <p><b>Q-Bic Plus Side Flange Adaptor – 300mm TwinWall</b> For connections to 300mm TwinWall. Requires 3059736</p>		4062358	1	67.58
 <p><b>Q-Bic Plus Side Flange Adaptor – 375mm TwinWall</b> For connections to 375mm TwinWall. Requires 3059736</p>		4062356	1	67.58
 <p><b>Q-Bic Plus Side Flange Adaptor – 300mm UltraRib</b> For connections to 300mm UltraRib. Requires 3059736</p>		4062357	1	67.58
<b>Vertical Access Options</b>				
 <p><b>Q-Bic Plus Vertical Shaft Adaptor – 300mm</b> For connection to 300mm vertical access shaft – 3ONE02</p>		4062305	1	67.58
 <p><b>Q-Bic Plus Vertical Shaft Adaptor – 500mm</b> For connection to 500mm vertical access shaft – 6D934</p>		4062304	1	67.58






# Wavin Q-Bic Plus

## Inspectable & Cleanable Infiltration/Attenuation System

Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
 <p><b>Shaft Options</b> P/E Inspection Shaft – 300mm diameter shaft 2 metre length</p>	300	30NE002*	1	175.20
 <p><b>Ring Seal</b> For sealing 300mm shaft (30NE002) to Q-Bic Plus Vertical Shaft Adaptor 300mm</p>	300	12TW117*	1	15.34
 <p><b>P/E Inspection Shaft</b> – 500mm diameter shaft 1.5 metre length</p>	500	6D934•	1	439.97
 <p><b>Restriction Access Cap</b> For use with 6D934 shaft, restricts access to 350mm</p>	500	6D930•	1	138.35
 <p><b>Ring Seal</b> For sealing 500mm shaft (6D934) to Q-Bic Plus Vertical Shaft Adaptor 500mm and 6D930 Cover and Frame</p>	–	500TW117*	1	64.50
 <p><b>Cover and Frame Options</b> Square Cover and Frame – A15 – Polypropylene – sealed, for use in situations requiring a loading up to 15kN (1.5 tonnes) where the frame of the cover is supported by a concrete plinth</p>	–	30NE015*	1	203.24

# Wavin Garastor

## Garastor System


Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
 <p><b>Garastor Storm and Surface Water Control Chamber</b> Garastor Storm and surface water control chamber – 500mm diameter x 1.0m deep unit – 500mm diameter x 1.25m deep unit</p>		6SC500	1◇	1518.04
		6SC501	1◇	1663.08
<b>Ancillary Items</b>				
 <p><b>Garastor Extension Kit</b> – 500mm diameter TwinWall coupler and two ring seals, shaft of TwinWall pipe also required</p>		6SC205	1	325.54
 <p><b>Garastor Connection Kit</b> – Section of 150mm TwinWall pipe (220mm in length) and two ring seals</p>		6SC200	1	69.89

◇ Non-stock item, lead time and terms and conditions available on request.

# Wavin

## Temporary Manhole Cover

### Temporary Manhole Cover

Description	Nom Dia mm	Cat No	Pack Qty	Price Each £
 <p><b>Temporary Manhole Cover</b> To fit 600 x 600mm and 675 x 675mm square openings</p>	600	TMC1	3	158.82

# Osma Geotextile

## Geotextile Products

Description	Tensile strength	Roll size	Cat no	Pack qty	Price £ per piece
<b>Standard Product Range</b>					
Nonwoven 4.5m Roll	6x6 kN/m	4.5x100	KNW6/6	1	344.14
Nonwoven 4.5m Roll	8.3x8.3 kN/m	4.5x100	KNW8	1	420.09
Woven 4.5m Roll	18x14 kN/m	4.5x100	KSG18/9	1	382.12
Woven Handy Pack	17x10 kN/m	50m <sup>2</sup>	KSG18/9HP	1	79.55



**Nonwoven – Filtration**

When used as a filtration layer, it will hold back soil particles from entering underground structures, such as AquaCell soakaways, and allow the free flow of water from them.

**Woven – Separation**

When used as a separation layer it prevents the intermixing of particles from two sub-surface layers with different properties, such as sub-soil and hardcore in driveways and roads.

## Numerical Index

Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no
OAG502	1.18	51	4D318	4.15	18	4D910	108.58	19
OAG504	5.82	51	4D318 <sup>•</sup>	4.15	26	4D911	111.14	19
OAG505	5.82	51	4D325	121.64	18	4D912	111.14	19
OAG550	14.52	51	4D328	43.69	18	4D913	111.14	19
OAG575	20.32	51	4D360	106.97	8	4D914	111.14	19
4D066	157.41	4	4D361	159.31	8	4D915	92.04	11
4D073	50.43	4	4D380	17.46	12	4D916	16.87	11
4D076	100.85	4	4D383	20.24	12	4D916 <sup>•</sup>	16.87	54
4D085	133.68	11	4D391	28.67	12	4D917	111.69	19
4D086	64.95	11	4D395	82.74	12	4D918	109.00	19
4D095	41.54	5	4D418	8.12	13	4D919	70.96	11
4D104	19.68	4	4D420	170.14	8	4D920	206.61	22
4D105	30.28	4	4D421	15.54	13	4D921	262.42	8
4D115	53.65	4	4D464	48.50	5	4D922	309.58	21
4D116	6.92	12	4D492	221.91	8	4D923	392.51	24
4D127	67.86	4	4D494	25.29	13	4D924	173.71	22
4D129	53.76	4	4D500	44.38	9	4D926	17.06	23
4D130	4.70	12	4D503	33.30	10	4D927	111.22	22
4D131	120.59	4	4D504	57.23	10	4D927 <sup>•</sup>	111.22	31
4D149	14.25	5	4D505	19.78	13	4D930	48.91	13
4D159	15.18	5	4D506	9.73	13	4D933	112.89	20
4D161	44.21	5	4D507	48.77	10	4D934	112.89	20
4D162	47.83	5	4D508	59.65	10	4D935	156.27	20
4D163	44.21	5	4D526	71.43	10	4D937	89.79	20
4D166	42.59	5	4D527	140.24	10	4D942	268.93	22
4D167	42.59	6	4D561	52.34	6	4D945	262.77	22
4D168	42.59	6	4D562	56.62	6	4D946	325.25	22
4D169	127.71	9	4D563	52.34	6	4D948	145.50	23
4D173	53.67	6	4D566	50.67	6	4D949	145.50	23
4D181	193.09	6	4D567	50.67	6	4D957	7.34	20
4D183	99.12	7	4D568	50.67	6	4D960	214.16	18
4D190	62.43	7	4D569	139.16	9	4D961	121.64	18
4D193	70.56	7	4D573	62.61	6	4D964	26.67	18
4D205	18.34	4	4D581	84.73	7	4D969	141.84	20
4D210	65.15	7	4D583	110.54	7	4D970	47.07	20
4D213	73.27	7	4D589	33.42	10	4D971	5.90	20
4D274	92.58	9	4D593	161.45	9	4D975	104.68	21
4D281	98.07	6	4D800	245.74	11	4D992	5.97	12
4D283	84.02	6	4D810	313.91	11	4D993	7.44	13
4D286	17.04	5	4D815	175.09	11	4D994	19.22	23
4D287	15.20	5	4D850	80.00	10	4D995	5.89	23
4D288	15.20	5	4D851	28.44	13	4D996	4.24	23
4D290	55.29	8	4D860	119.27	10	4D997	2.77	23
4D291	15.20	9	4D861	71.67	13	4D998	59.82	12
4D292	32.50	8	4D862	66.28	10	4TW076	53.79	40
4D295	5.36	5	4D863	78.46	10	4TW117	3.59	44
4D296	22.92	9	4D900	93.53	10	4TW176	56.83	40
4D297	34.99	9	4D901	118.41	11	4TW205	7.91	41
4D298	16.08	5	4D902	22.04	12	6D066	320.18	4
4D299	18.52	5	4D904	18.04	12	6D073	115.67	4
4D314	13.37	18	4D906	12.09	13	6D076	231.37	4
4D317	10.70	12	4D908	35.58	13	6D099	60.34	5
4D318	4.15	12	4D909	22.04	12	6D099 <sup>•</sup>	60.34	54

Cat no	Price £ per piece	Page no	Cat No	Price £ per piece	Page no	Cat No	Price £ per piece	Page no
6D104	36.11	4	6LB302	120.86	53	6UR396	164.52	16
6D105	73.54	4	6LB600	854.48	53	6UR560	125.19	15
6D116	5.97	12	6LB622	854.48	53	6UR561	72.27	15
6D127	147.45	4	6LB630	854.48	53	6UR563	53.74	15
6D129	130.07	4	6SC200	69.89	57	6UR566	53.74	15
6D130	9.01	12	6SC205	325.54	57	6UR567	53.74	15
6D161	112.84	5	6SC500	1518.04	57	6UR590	246.06	16
6D163	112.84	5	6SC501	1663.08	57	6UR600	203.60	16
6D166	100.01	5	6TW076	69.53	40	6UR869	53.07	14
6D167	100.01	6	6TW097	57.02	41	6UR928*	356.90	21
6D190	203.77	7	6TW099S	60.69	41	6UR929*	428.23	21
6D193	225.18	7	6TW117	3.44	45	6UR936*	429.26	24
6D198	157.07	7	6TW129	105.92	41	6UR937*	399.26	24
6D199	173.57	7	6TW141	29.30	41	9TW076	178.13	40
6D205	36.75	4	6TW141 <sup>+</sup>	29.30	54	9TW095S	79.09	41
6D210	186.22	7	6TW142	29.30	41	9TW117	8.30	45
6D213	205.79	7	6TW145	39.39	41	9TW145	102.22	41
6D218	160.38	7	6TW176	73.58	40	9TW176	187.66	40
6D219	177.23	8	6TW193	96.04	43	9TW193	319.70	43
6D274	199.48	9	6TW205	8.93	41	9TW205	15.81	41
6D281	265.19	6	6TW213	87.08	42	9TW213	339.41	42
6D283	163.08	6	6TW217	3.44	44	9TW217	8.30	44
6D290	97.16	8	6TW276	73.59	40	9TW227	223.07	43
6D292	74.32	8	6TW561	52.73	42	9TW276	187.66	40
6D296	49.15	9	6TW563	52.73	42	9TW561	169.70	42
6D360	146.07	8	6TW566	52.73	42	9TW563	169.70	42
6D561	124.68	6	6TW567	52.73	42	9TW566	169.70	42
6D563	124.68	6	6TW650	111.04	44	9TW567	169.70	42
6D566	110.50	6	6TW651	100.42	44	9TW750	51.09	44
6D567	110.50	6	6TW750	27.02	44	9UR043	169.51	14
6D917	86.59	25	6UR043	65.47	14	9UR046	339.02	14
6D921	316.53	8	6UR046	130.94	14	9UR073	155.55	14
6D928	338.78	21	6UR073	53.51	14	9UR095	52.86	15
6D929	367.23	21	6UR099	31.56	14	9UR105	100.74	14
6D930	138.35	25	6UR099*	31.56	54	9UR117	13.88	17
6D930*	138.35	56	6UR105	42.86	14	9UR205	87.47	14
6D934	439.97	25	6UR117	6.34	17	9UR213	450.76	15
6D934*	439.97	56	6UR129	106.03	14	9UR224	314.89	16
6D936	392.15	24	6UR141	85.91	14	9UR226	324.39	16
6D937	392.16	24	6UR141*	85.91	26	9UR227	324.39	16
6D938	767.00	25	6UR141*	85.91	54	9UR296	104.88	16
6D940	157.59	25	6UR142	102.24	14	9UR561	303.65	15
6D998	93.54	12	6UR143	89.49	14	9UR563	226.05	15
6LB025	98.88	53	6UR163	64.56	15	9UR566	239.43	15
6LB102	1.50	54	6UR193	129.94	15	9UR567	233.47	15
6LB104	100.68	54	6UR199	123.44	15	9UR869	124.03	14
6LB105	2.00	54	6UR205	40.18	14	12TW076	277.06	40
6LB106	163.37	54	6UR213	129.94	15	12TW093S	118.10	41
6LB150	158.75	53	6UR219	110.62	16	12TW117	15.34	45
6LB202	3.13	54	6UR290	72.43	16	12TW117*	15.34	56
6LB250	181.49	53	6UR292	57.39	16	12TW117 <sup>+</sup>	15.34	28
6LB300	203.01	53	6UR296	21.35	16	12TW145	142.73	41
6LB301	112.74	53	6UR395	99.30	16	12TW176	299.90	40

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12TW193	861.54	43	34NE302	294.33	27	100HDC150	363.75	37
12TW205	26.02	41	34NE303	309.05	27	100MDC100	102.27	37
12TW213	969.53	42	36NE300	483.55	27	100MDC110	43.14	37
12TW217	15.34	44	36NE301	507.75	27	100MDC120	48.99	37
12TW237	331.47	43	36NE302	507.75	27	100MDC130	24.64	37
12TW240	591.41	43	36NE303	533.12	27	100MDC140	49.56	37
12TW276	299.90	40	40NE300	362.84	30	100MDC150	232.53	37
12TW561	290.89	42	40NE930	211.91	30	100OC210	55.95	36
12TW563	290.89	42	44NE300	444.23	29	100OC211	16.76	36
12TW566	290.89	42	44NE304	449.71	29	100OC230	248.74	36
12TW567	290.89	42	44NE305	449.71	29	100OC260	18.26	36
12TW750	62.93	44	44NE306	464.55	29	100OC270	21.36	36
12UR043	254.17	14	46NE300	566.47	29	100OC280	33.27	36
12UR073	240.53	14	46NE307	612.22	30	100OC410	45.39	36
12UR093	171.56	15	46NE308	612.22	30	100OC460	6.15	36
12UR105	200.84	14	46NE309	660.93	30	100OC461	211.57	36
12UR117	25.98	17	50PW025	170.55	47	100OC510	72.08	36
12UR205	176.22	14	50PW050	341.08	47	100OC520	20.39	36
12UR213	1041.53	15	50PW100	682.18	47	100OC530	8.96	36
12UR236	697.28	16	50PW150	1023.26	47	100OC560	13.96	36
12UR237	643.63	16	60NE003	666.51	33	150HDC100	220.73	38
12UR240	991.45	16	60NE930	171.99	33	150HDC110	87.98	38
12UR296	139.76	16	63PW025	259.95	47	150HDC120	111.70	38
12UR561	478.30	15	63PW050	519.90	47	150HDC130	105.28	38
12UR563	410.51	15	63PW100	1039.79	47	150HDC140	143.47	38
12UR566	398.47	15	63PW150	1559.68	47	150HDC150	457.90	38
12UR567	379.40	15	66NE300	1524.11	32	150HDC160	209.78	38
12UR869	210.25	14	66NE314	1524.11	32	150HDC170	161.14	38
20NE002	137.36	26	66NE315	1524.11	33	160D025	382.85	46
20NE015	146.07	26	66NE316	1524.11	33	160D050	471.98	46
20NE203	66.28	26	69NE300	1555.28	32	160D104	6.23	46
20PW025	33.07	47	69NE314	1555.28	32	160D215	31.50	46
20PW050	66.13	47	69NE315	1555.28	33	200HDC100	253.91	38
20PW100	132.27	47	69NE316	1555.28	33	200HDC110	122.68	38
24NE300	178.00	26	80D025	84.07	46	200HDC120	157.37	38
25PW025	44.41	47	80D050	156.16	46	200HDC130	127.53	38
25PW050	88.79	47	80D100	264.47	46	200HDC140	157.43	38
25PW100	177.58	47	80D104	4.17	46	200HDC150	822.35	38
25PW150	266.37	47	80D200	11.84	46	200HDC160	297.25	38
26NE300	189.22	26	80D297	4.86	46	200HDC170	238.99	38
30NE002	175.20	28	100D025	136.97	46	300HDC100	317.65	39
30NE002*	175.20	56	100D050	258.80	46	300HDC110	245.58	39
30NE015	203.24	28	100D100	425.68	46	300HDC120	285.83	39
30NE015*	203.24	56	100D104	4.63	46	300HDC130	159.42	39
30NE200	14.58	28	100D200	13.23	46	300HDC140	185.65	39
30NE203	119.15	28	100D208	12.62	46	300HDC150	1300.46	39
30NE205	4.73	28	100D215	9.59	46	300HDC160	393.64	39
32PW025	70.73	47	100D297	5.53	46	300HDC170	329.07	39
32PW050	141.46	47	100HDC100	165.35	37	375TW046	667.98	40
32PW100	282.91	47	100HDC110	54.77	37	375TW056	756.16	40
32PW150	424.37	47	100HDC120	69.50	37	375TW066	756.16	40
34NE300	280.32	27	100HDC130	36.55	37	375TW076	636.36	40
34NE301	294.33	27	100HDC140	61.44	37	375TW086	724.74	40

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375TW096	724.74	40	500TW300x45	1135.09	43	71902400	303.37	49
375TW099	305.46	41	500TW375x45	2577.94	43	71902410	7.57	49
375TW117	33.85	44	500TW450x45	2577.94	43	71902420	1.91	49
375TW150x45	474.84	43	500TW500x45	2616.44	42	71902460	2.85	49
375TW150x90	525.06	44	500TW500x90	2616.44	43	71902500	41.36	48
375TW205	78.80	41	500TW561	1008.12	42	71902515	65.40	48
375TW225x45	711.84	43	500TW563	1008.12	42	71902522	76.14	48
375TW225x90	711.84	44	500TW566	1008.12	42	71902525	35.72	48
375TW300x45	1146.61	43	500TW567	1008.12	42	71902570	20.58	48
375TW375x45	1573.40	42	500TW750	134.08	44	71902580	20.58	48
375TW375x90	1422.90	43	600TW046	1424.01	40	71902590	61.59	49
375TW561	615.64	42	600TW056	1520.46	40	71902700	110.22	48
375TW563	615.64	42	600TW066	1520.46	40	71903225	103.92	48
375TW566	615.64	42	600TW076	1257.64	40	71903400	379.20	49
375TW567	615.64	42	600TW086	1417.52	40	71903410	11.39	49
375TW750	76.98	44	600TW096	1417.52	40	71903420	2.85	49
450TW046	934.63	40	600TW099	639.34	42	71903460	5.71	49
450TW056	971.73	40	600TW117	93.79	44	71903500	59.71	48
450TW066	971.73	40	600TW117*	93.79	34	71903570	32.74	48
450TW076	855.77	40	600TW150x45	745.94	43	71903580	32.74	48
450TW086	892.60	40	600TW150x90	824.84	44	71903590	127.76	49
450TW096	892.60	40	600TW205	198.54	41	71903700	170.05	48
450TW099	461.74	42	600TW225x45	1191.31	44	71903725	62.91	48
450TW117	38.31	44	600TW300x45	2847.25	44	71905232	106.20	48
450TW117*	38.31	31	600TW375x45	2847.25	44	71906250	113.77	48
450TW150x45	515.04	43	600TW450x45	2847.25	44	71906400	733.78	49
450TW150x90	569.51	44	600TW500x45	2847.25	44	71906410	22.75	49
450TW205	97.44	41	600TW561	1162.02	42	71906420	7.57	49
450TW225x45	923.41	43	600TW563	1162.02	42	71906460	9.52	49
450TW225x90	923.41	44	600TW566	1162.02	42	71906500	177.44	48
450TW300x45	1000.43	43	600TW567	1162.02	42	71906525	88.29	48
450TW375x45	1846.90	43	600TW600x45	2847.25	42	71906570	129.24	48
450TW450x45	1846.90	42	600TW600x90	2847.27	43	71906580	96.27	48
450TW450x90	1846.90	43	600TW750	155.32	44	71906590	285.61	49
450TW561	734.91	42	612NE300	1586.34	32	71906700	372.29	48
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450TW567	734.91	42	612NE316	1586.34	33	KNW8	420.09	59
450TW750	106.41	44	3059730	120.07	55	KSG18/9	382.12	59
500TW046	1101.88	40	3059731	39.42	55	KSG18/9HP	79.55	59
500TW056	1155.60	40	3059732	34.52	55	NE950	48.09	35
500TW066	1155.60	40	3059733	28.74	55	NE960	73.44	35
500TW076	976.32	40	3059735	23.11	55	TMC1	158.82	58
500TW086	1073.90	40	3059736	21.28	55			
500TW096	1073.90	40	4062303	67.58	55			
500TW099	628.39	42	4062304	67.58	55			
500TW117	64.50	44	4062305	67.58	55			
500TW117*	64.50	56	4062356	67.58	55			
500TW117†	64.50	25	4062357	67.58	55			
500TW150x45	692.60	43	4062358	67.58	55			
500TW150x90	710.35	44	71021050	962.22	48			
500TW205	150.56	41	71031050	1240.98	48			
500TW225x45	1038.89	43	71061050	3413.14	48			



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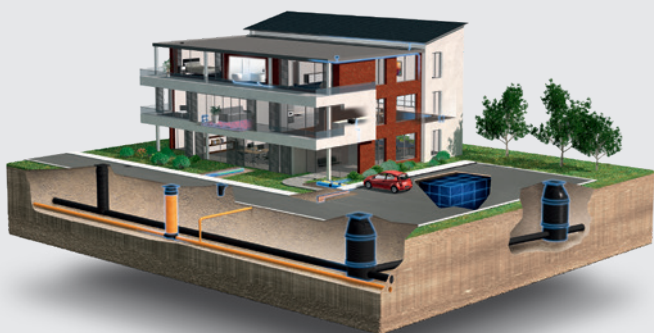


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