

Trade Price List 1st June 2021

# Above Ground Systems

**wavin** **Hep<sub>2</sub>O OSMA**

[www.wavin.co.uk](http://www.wavin.co.uk)

**wavin**



# Pack quantity notice

Products which are supplied in pack multiples, but can also be ordered in singles are highlighted in a darker shade as follows:

Pack qty
5
5
5
5





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



## Introduction to



**Osma** Above 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

B	Black	E	Olive
N	Brown	W	White
G	Grey	AG	Anthracite Grey

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.

SW/S – Fittings with one or more solvent sockets and one plain or special end.

D/SW – Fittings with solvent sockets at all ends.

### 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.

#### **Important notes:**

**All Osma Soil, Waste and Overflow fittings must be ordered in their pack multiples as illustrated in price list, unless the pack quantity is highlighted in a darker shade which indicates they can be ordered in singles.**

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

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## Acceptance

### a) British Standards Institution

♥ Osma Above Ground Drainage Systems comply, where applicable, with the requirements of the following British Standards:

BS 4576: Part 1: 1989 - Half-round gutters and pipes of circular cross section.

BS EN 1329-1: 2000, BS 4514: 2001 - Unplasticized PVC soil and ventilating pipes, fittings and accessories.

BS EN 1451-1: 2000 - Polypropylene waste pipe and fittings.

BS 5255: 1989 - Thermoplastics waste pipe and fittings.

BS EN 1566-1: 2000 – Plastic piping systems for soil and waste discharge (low and high temperature) within the building structure - Chlorinated poly (vinyl chloride) (PVC-C).

BS 6209: 1982 - Solvent cement for non pressure thermoplastics pipe systems.

BS EN 607: 2004 - Eaves, gutters and fittings made of PVC-U definitions, requirements and testing.

BS EN 1462: 2004 - Brackets for eaves gutters: requirements and testing.

BS EN 12200-1: 2000 - Plastics rainwater piping systems for above ground external use - unplasticized Poly Vinyl Chloride (PVC-U) - Part 1 specifications for pipes, fittings and the system.

BS EN 1455-1: 2000 - Plastic piping systems for soil and waste (low and high temperature) within the building structure - Acrylonitrile-butadiene-styrene (ABS).

BS EN 12380:2002 - Air admittance valves for drainage systems. Requirements, test methods and evaluation of conformity.

BS 5254:1976 - Specification for polypropylene waste pipe and fittings (external diameter 34.6 mm, 41.0 mm and 54.1 mm).

BS EN 1453-1:2000 - Plastics piping systems with structured-wall pipes for soil and waste discharge (low and high temperature) inside buildings. Unplasticized poly (vinyl chloride) (PVC-U). Specifications for pipes and the system.

### b) British Board of Agrément

▲ The OsmaSoil system has been awarded the following certificates:

86/1643 OsmaVent 110 and OsmaVent 40 Air Admittance Valves.

89/2174 OsmaSoil 110mm Adjustable Bends.

### c) WRAS

Hep2O is approved (certificate 1312005) – deemed safe for use in the supply of drinking water.

The Silicone Lubricant Spray has WRAS approval for use with potable water.














All 110/160mm soil and drain pipe is manufactured using Wavin's Recycore Technology.

The pipe contains over 50% recycled material but has exactly the same performance and handling characteristics as virgin pipe.















# Osma RoundLine

## Rainwater half round domestic – PVC-U

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Gutter</b>					
	Gutter – 2.0m				
	▽	112	OT072B	5	25.64
	▽	112	OT072G	5	25.64
	▽	112	OT072W	5	25.64
	▽	112	OT072N	5	25.64
	Gutter – 4.0m				
	▽	112	OT074B	5	51.21
	▽	112	OT074G	5	51.21
	▽	112	OT074W	5	51.21
	▽	112	OT074N	5	51.21
<b>Gutter Union and Brackets</b>					
	Gutter Jointing Bracket				
	▽	112	OT005B	10	9.14
	▽	112	OT005G	5	9.14
	▽	112	OT005W	5	9.14
	▽	112	OT005N	5	9.14
	Gutter Union				
	▽	112	OT009B	10	12.32
	▽	112	OT009G	5	12.32
	▽	112	OT009W	5	12.32
	▽	112	OT009N	5	12.32
	Gutter Support Bracket				
	▽	112	OT019B	40	4.06
	▽	112	OT019G	20	4.06
	▽	112	OT019W	40	4.06
	▽	112	OT019N	20	4.06
	Gutter Bracket Spacer – 21mm projection	–	OT044B	20	5.00
	Angled Bracket Spacer	–	OT045B	10	11.04
<b>Outlets and Stopends</b>					
	Running Outlet – straight				
	▽	112	OT624B	5	18.82
	▽	112	OT624G	5	18.82
	▽	112	OT624W	5	18.82
	▽	112	OT624N	5	18.82
	Swivelock Running Outlet – with fitted offset bend				
	▽	112	OT625B	2	28.42
	Stopend Outlet				
	▽	112	OT007B	5	22.93
	▽	112	OT007G	5	22.93
	▽	112	OT007W	5	22.93
	▽	112	OT007N	5	22.93
	Stopend – internal				
	▽	112	OT010B	5	5.90
	▽	112	OT010G	5	5.90
	▽	112	OT010W	5	5.90
	▽	112	OT010N	5	5.90










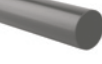



	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Stopend – external</b>				
	▽	112	OT011B	10	7.60
	▽	112	OT011G	5	7.60
	▽	112	OT011W	5	7.60
	▽	112	OT011N	5	7.60
<b>Gutter Angles</b>					
	<b>Angle – 90°</b>				
	▽	112	OT003B	5	17.64
	▽	112	OT003G	5	17.64
	▽	112	OT003W	5	17.64
	▽	112	OT003N	5	17.64
	<b>Angle – 60°</b>				
	▽	112	OT016B	5	24.31
	<b>Angle – 45°</b>				
	▽	112	OT004B	5	23.07
	▽	112	OT004G	5	23.07
	▽	112	OT004W	5	23.07
	▽	112	OT004N	5	23.07
	<b>24° – 150° Multi-angle</b>				
	▽	112	OT002B	1	99.52
	<b>Fabricated angles to order</b>				
		112	OT999B	1	96.24
		112	OT999G	1	96.24
		112	OT999W	1	96.24
		112	OT999N	1	96.24
	<b>Leaf Guard</b>				
	Leaf Guard – 10 no. x 500mm	–	OT017B	1	54.25
<b>Connectors to Metal and PVC–U Gutters</b>					
	<b>Connector to 4" or 4.5" CI Half-round Gutter</b>				
	▽	112	OT008B	10	20.68
	<b>Connector to 4.5" CI Ogee Gutter – LH</b>				
	▽	112	OT014B	5	35.42
	<b>Connector to 4.5" CI Ogee Gutter – RH</b>				
	▽	112	OT015B	5	35.42
<b>Rise and Fall Brackets and Spikes</b>					
	<b>Bow and Pin</b>	112	OT914B	10	17.46
	– for Rise and Fall Brackets	112	OT914G	10	17.46
	(for use with Build-in or Drive-in Spikes)	112	OT914W	10	17.46
		112	OT914N	10	17.46
	<b>Build-in Spike</b>				
	– 200mm long	–	OT985B	10	12.42
	– 300mm long	–	OT986B	10	18.66
	<b>Drive-in Spike</b>				
	– 200mm long	–	OT988B	10	10.35
	– 300mm long	–	OT989B	10	13.91














# Osma RoundLine

## Rainwater half round domestic – PVC-U

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Rafter Brackets (PVC coated steel)</b>					
	Top Rafter Bracket – 300mm long	112	OT745B	20	21.42
	Side Rafter Bracket – 300mm long	112	OT746B	20	23.18
<b>Rafter Bracket (BZP)</b>					
	Adjustable Top Rafter Bracket – 300mm long	–	OT147G	20	26.72
	Adjustable Side Rafter Bracket – 300mm long	–	OT148G	20	24.68
<b>Rafter Bracket (galvanised)</b>					
	Top Rafter Bracket – 300mm long galvanised	112	OT245B	5	21.78
	Side Rafter Bracket – 300mm long galvanised	112	OT246B	5	21.78
<b>Pipe</b>					
	P/E Pipe – 2.0m				
	▽	68	OT082B	5	28.76
	▽	68	OT082G	5	28.76
	P/E Pipe – 2.75m				
	▽	68	OT082N	5	28.76
	▽	68	OT086B	5	39.57
	▽	68	OT086G	5	39.57
	▽	68	OT086W	5	39.57
	▽	68	OT086N	5	39.57
	▽	68	OT086AG	5	39.57
	P/E Pipe – 4.0m				
	▽	68	OT084B	5	57.47
	▽	68	OT084G	5	57.47
	▽	68	OT084W	5	57.47
	▽	68	OT084N	5	57.47
	▽	68	OT084AG	5	57.47
	P/E Pipe – 5.5m				
	▽	68	OT088B	5	75.06
	▽	68	OT088G	5	75.06
	▽	68	OT088W	5	75.06
	▽	68	OT088N	5	75.06
	▽	68	OT088AG	5	75.06

Note: Anthracite Grey (AG) gutter available in DeepLine profile only.











	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Pipe and Socket Brackets</b>					
	Pipe or Socket Bracket				
	▽	68	OT033B	10	10.08
	▽	68	OT033G	5	10.08
	▽	68	OT033W	5	10.08
	▽	68	OT033AG	5	10.08
	Pipe Bracket				
	▽	68	OT034B	20	7.02
	▽	68	OT034G	5	7.02
	▽	68	OT034W	5	7.02
	▽	68	OT034N	5	7.02
	▽	68	OT034AG	5	7.02
	Socket Bracket				
	▽	68	OT038B	10	8.23
	▽	68	OT038G	10	8.23
	▽	68	OT038W	10	8.23
	▽	68	OT038N	10	8.23
	▽	68	OT038AG	10	8.23
	Drive-in Pipe Bracket				
	▽	68	OT143B	10	23.41
	Pipe Bracket Spacer – for use with OT033	68	OT031B	10	3.34
	Bracket Extension Piece – for use with OT033	68	OT030B	5	3.92
<b>Connectors and Adaptors</b>					
	Pipe Connector				
	▽	68	OT024B	5	8.58
	▽	68	OT024G	5	8.58
	▽	68	OT024W	5	8.58
	▽	68	OT024N	5	8.58
	▽	68	OT024AG	5	8.58
	Connector to 2.5" CI RW pipe				
	▽	68	OT092B	5	21.19
	Rainwater Adaptor – 68mm pipe to 110mm PVC–U drain	–	4S149	10	17.89
	Rainwater Adaptor – 68mm pipe to 110mm PVC–U drain	–	OT149B	5	22.42
	▽				
	Universal Drain Adaptor	–	4S159	10	19.06

Note: Anthracite Grey (AG) gutter available in DeepLine profile only.








# Osma RoundLine

## Rainwater half round domestic – PVC-U

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Bends and Shoe</b>					
	Offset Bend – socket				
	▽	68	OT025B	10	10.76
	▽	68	OT025G	5	10.76
	▽	68	OT025W	5	10.76
	▽	68	OT025N	5	10.76
	▽	68	OT025AG	5	10.76
	Offset Bend – spigot				
	▽	68	OT026B	10	13.39
	▽	68	OT026G	5	13.39
	▽	68	OT026W	5	13.39
	▽	68	OT026N	5	13.39
	▽	68	OT026AG	5	13.39
	Long Tail Offset Bend – spigot				
	▽	68	OT027B	5	16.70
	Pipe Bend – 87.5°				
	▽	68	OT161B	5	20.75
	▽	68	OT161G	5	20.75
	▽	68	OT161W	5	20.75
	▽	68	OT161N	5	20.75
	▽	68	OT161AG	5	20.75
	Pipe Shoe				
	▽	68	OT037B	5	11.65
	▽	68	OT037G	5	11.65
	▽	68	OT037W	5	11.65
	▽	68	OT037N	5	11.65
	▽	68	OT037AG	5	11.65
<b>Branch, Access Pipe and Hopper Head</b>					
	Pipe Branch – 67.5°				
	▽	68	OT035B	5	35.01
	▽	68	OT035G	5	35.01
	▽	68	OT035W	5	35.01
	▽	68	OT035N	5	35.01
	▽	68	OT035AG	5	35.01
	Access Pipe – with screwed door				
	▽	68	OT274B	5	63.21
	▽	68	OT274G	5	63.21
	▽	68	OT274W	5	63.21
	▽	68	OT274N	5	63.21
	▽	68	OT274AG	5	63.21
	Hopper Head				
	▽	68	OT332B	5	47.01
	▽	68	OT332G	5	47.01
	▽	68	OT332W	5	47.01
	▽	68	OT332N	5	47.01
	▽	68	OT332AG	5	47.01

Note: Anthracite Grey (AG) gutter available in DeepLine profile only.



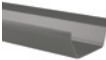



Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Rainwater Diverter</b>	68	OT201B	1	73.73
	Rainwater Diverter Kit	68	OT201W	1	73.73
<hr/>					
<b>Spares</b>					
	Gutter Seal	112	OT064G	5	2.99
	Flexiclip				
	▽	112	OT116B	1	2.28
	▽	112	OT116G	1	2.28
	▽	112	OT116W	1	2.28
	▽	112	OT116N	1	2.28
	Gutter Pad – narrow	112	OT060B	5	2.99
	Gutter Pad – wide	112	OT061B	5	2.99
<hr/>					

**Note: Anthracite Grey (AG) gutter available in DeepLine profile only.**












# Osma SquareLine

## Rainwater square – PVC-U

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Gutter</b>				
	Gutter – 2.0m				
	▽	100	4T872B	5	27.20
	▽	100	4T872W	5	27.20
	▽	100	4T872N	5	27.20
	Gutter – 4.0m				
	▽	100	4T874B	5	54.43
	▽	100	4T874W	5	54.43
	▽	100	4T874N	5	54.43
	<b>Gutter Union and Brackets</b>				
	Gutter Jointing Bracket				
	▽	100	4T805B	20	11.96
	▽	100	4T805W	20	11.96
	▽	100	4T805N	20	11.96
	Gutter Union				
	▽	100	4T809B	10	19.08
	▽	100	4T809W	5	19.08
	▽	100	4T809N	5	19.08
	Gutter Support Bracket				
	▽	100	4T819B	20	5.15
	▽	100	4T819W	20	5.15
	▽	100	4T819N	20	5.15
	Gutter Bracket Spacer – 21mm projection	–	0T044B	20	5.00
	Angled Bracket Spacer	–	0T045B	10	11.04
	<b>Outlets and Stopends</b>				
	Running Outlet				
	▽	100	4T806B	10	19.87
	▽	100	4T806W	10	19.87
	▽	100	4T806N	10	19.87
	Stopend Outlet				
	▽	100	4T807B	10	21.07
	▽	100	4T807W	10	21.07
	▽	100	4T807N	10	21.07
	Stopend – internal				
	▽	100	4T810B	5	7.63
	▽	100	4T810W	5	7.63
	▽	100	4T810N	5	7.63
	Stopend – external				
	▽	100	4T811B	10	8.81
	▽	100	4T811W	10	8.81
	▽	100	4T811N	10	8.81
	<b>Gutter Angles</b>				
	Angle – 90°				
	▽	100	4T803B	10	19.27
	▽	100	4T803W	10	19.27
	▽	100	4T803N	10	19.27






	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Angle – 45°</b>				
	▽	100	4T804B	5	26.77
	▽	100	4T804W	5	26.77
	▽	100	4T804N	5	26.77
	<b>Fabricated angles to order</b>	100	4T999B	1	100.41
		100	4T999W	1	100.41
		100	4T999N	1	100.41
	<b>Connectors to Metal and PVC–U Gutter</b>				
	Connector to 4.5" RoundLine Gutter				
	▽	100	4T818B	5	32.33
	▽	100	4T818W	5	32.33
	<b>Rise and Fall Brackets and Spikes</b>				
	<b>Bow and Pin</b>				
	– for Rise and Fall Brackets	100	4T894B	10	21.46
	(for use with Build-in or in Spikes)				
					
	<b>Build-in Spike</b>				
	– 200mm long	–	0T985B	10	12.42
					
	<b>Build-in Spike</b>				
	– 300mm long	–	0T986B	10	18.66
					
	<b>Drive-in Spike</b>				
	– 200mm long	–	0T988B	10	10.35
					
	<b>Drive-in Spike</b>				
	– 300mm long	–	0T989B	10	13.91
	<b>Rafter Brackets (BZP)</b>				
	<b>Adjustable Top Rafter Bracket</b>				
	– 300mm long	–	0T147G	20	26.72
					
	<b>Adjustable Side Rafter Bracket</b>				
	– 300mm long	–	0T148G	20	24.68














# Osma SquareLine

## Rainwater square – PVC-U

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Pipe</b>				
	P/E Pipe – 2.0m				
	▽	61	4T882B	5	29.00
	▽	61	4T882W	5	29.00
	▽	61	4T882N	5	29.00
	P/E Pipe – 2.75m				
	▽	61	4T886B	5	40.98
	▽	61	4T886W	5	40.98
	▽	61	4T886N	5	40.98
	P/E Pipe – 4.0m				
	▽	61	4T884B	5	59.39
	▽	61	4T884W	5	59.39
	▽	61	4T884N	5	59.39
	P/E Pipe – 5.5m				
	▽	61	4T888B	5	81.72
	▽	61	4T888W	5	81.72
	▽	61	4T888N	5	81.72
<hr/>					
	<b>Pipe Brackets and Spacer</b>				
	Pipe Bracket – Stand Off				
	▽	61	4T833B	5	6.82
	▽	61	4T833W	5	6.82
	▽	61	4T833N	5	6.82
	Pipe Bracket				
	▽	61	4T834B	5	5.80
	▽	61	4T834W	5	5.80
	▽	61	4T834N	5	5.80
	Pipe Bracket Spacer				
	– for use with 4T834, 4T823, 4T832, 4T858, 4T855	–	4T731B	10	9.65
		–	4T731W	10	9.65
<hr/>					
	<b>Connectors and Adaptors</b>				
	Pipe Connector and Bracket – Stand Off				
	▽	61	4T824B	5	20.03
	▽	61	4T824W	5	20.03
	▽	61	4T824N	5	20.03
	Pipe Connector and Bracket				
	▽	61	4T823B	5	18.13
	▽	61	4T823W	5	18.13
	▽	61	4T823N	5	18.13
	Drain Adaptor – Square to Round				
	▽	61	4T836B	10	16.43
	▽	61	4T836W	5	16.43
	Outlet Adaptor – Square to Round				
	▽	61	4T837B	5	20.50
	▽	61	4T837W	5	20.50
	Rainwater Adaptor 68mm pipe to 110mm PVC-U drain	–	4S149	10	17.89
	Rainwater Adaptor 68mm pipe to 110mm PVC-U drain				
	▽	–	0T149B	5	22.42







	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	Universal Drain Adaptor	–	4S159	10	19.06
<b>Bends, Shoe and Wall Offsets</b>					
	Offset Bend – socket				
	▽	61	4T825B	20	11.48
	▽	61	4T825W	20	11.48
	▽	61	4T825N	20	11.48
	Offset Bend – spigot				
	▽	61	4T826B	10	14.25
	▽	61	4T826W	10	14.25
	▽	61	4T826N	10	14.25
	Pipe Bend – 87.5°				
	▽	61	4T862B	5	24.51
	▽	61	4T862W	5	24.51
	▽	61	4T862N	5	24.51
	Pipe Shoe and Bracket				
	▽	61	4T832B	5	17.01
	▽	61	4T832W	5	17.01
	▽	61	4T832N	5	17.01
	Pipe Wall Offset				
	▽	61	4T838B	10	23.04
	▽	61	4T838W	10	23.04
	▽	61	4T838N	10	23.04
	Pipe Wall Offset – with access	61	4T858B	5	64.63
<b>Branch, Access Pipe and Hopper Head</b>					
	Pipe Branch – 67.5°				
	▽	61	4T835B	5	47.08
	▽	61	4T835W	5	47.08
	▽	61	4T835N	5	47.08
	Access Pipe	61	4T855B	5	64.63
	Hopper Head				
		61	4T830B	5	59.39
		61	4T830W	5	59.39
		61	4T830N	5	59.39
<b>Rainwater Diverter Kit</b>					
	Rainwater Diverter Kit				
		61	0T201B	1	73.73
		61	0T201W	1	73.73



# Osma SquareLine















## Rainwater square – PVC-U

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Spares</b>					
	Gutter Seal	100	4T864B	5	3.01
	Flexiclip				
	▽	100	4T816B	1	2.80
	▽	100	4T816W	1	2.80
	▽	100	4T816N	1	2.80
	Gutter Pad – narrow	100	4T860G	10	3.00
	Gutter Pad – wide	100	4T861G	10	3.06



# Osma StormLine










## Rainwater ogee – PVC-U

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Gutter</b>				
	Gutter – 4.0m	111	8T874B	4	72.37
		111	8T874W	4	72.37
<b>Gutter Unions and Brackets</b>					
	Gutter Jointing Bracket				
	▽	111	8T809B	10	17.59
	▽	111	8T809W	10	17.59
	Gutter Support Bracket				
	▽	111	8T819B	10	6.52
	▽	111	8T819W	10	6.52
	Gutter Hanging Bracket				
		111	8T849B	20	8.68
		111	8T849W	20	8.68
	Gutter Bracket Spacer – 21mm projection	–	0T044B	20	5.00
<b>Outlets and Stopends</b>					
	Running Outlet				
	▽	111	8T806B	5	22.46
	▽	111	8T806W	5	22.46
	Stopend Outlet (left hand)				
	▽	111	8T807B	5	21.75
	▽	111	8T807W	5	21.75
	Stopend Outlet (right hand)				
	▽	111	8T808B	5	21.75
	▽	111	8T808W	5	21.75
	Stopend – internal (left hand)				
	▽	111	8T840B	5	9.89
	▽	111	8T840W	5	9.89
	Stopend – internal (right hand)				
	▽	111	8T850B	5	9.89
	▽	111	8T850W	5	9.89
	Stopend – external (left hand)				
	▽	111	8T841B	10	13.83
	▽	111	8T841W	10	13.83
	Stopend – external (right hand)				
	▽	111	8T851B	10	13.83
	▽	111	8T851W	10	13.83
<b>Gutter Angles</b>					
	Angle – 90° (internal)				
	▽	111	8T843B	5	25.89
	▽	111	8T843W	5	25.89
	Angle – 90° (external)				
	▽	111	8T853B	5	23.03
	▽	111	8T853W	5	23.03



# Osma StormLine

## Rainwater ogee – PVC-U










Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	Angle – 45° (internal)				
	▽	111	8T844B	5	27.23
	▽	111	8T844W	5	27.23
	Angle – 45° (external)				
	▽	111	8T854B	5	27.23
	▽	111	8T854W	5	27.23
Fabricated angles to order		–	8T999B	1	111.43
		–	8T999W	1	111.43
<b>Rise and Fall Brackets and Spikes</b>					
	Bow and Pin				
	– For Rise and Fall Brackets (for use with Build-in or Drive-in Spikes)	111	8T894B	10	25.80
		111	8T894W	10	25.80
	Build-in Spike				
	– 200mm long	–	0T985B	10	12.42
	– 300mm long	–	0T986B	10	18.66
	Drive-in Spike				
	– 200mm long	–	0T988B	10	10.35
	– 300mm long	–	0T989B	10	13.91
<b>Rafter Brackets (BZP)</b>					
	Adjustable Top Rafter Bracket				
	– 300mm long	–	0T147G	20	26.72
	Adjustable Side Rafter Bracket				
	– 300mm long	–	0T148G	20	24.68
<b>Spares</b>					
	Gutter Seal	111	8T864B	1	2.51
	Flexiclip				
	▽	111	8T816B	1	2.64
	▽	111	8T816W	1	2.64

Note: For details of 61mm (2¼") and 68mm (2½") pipe and fittings for use with the StormLine Rainwater System refer to pages 12-14 and 6-9.



# Osma DeepLine

## Rainwater high capacity – PVC-U

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Gutter</b>				
	Gutter – 4.0m				
	♥	113	9T974B	5	59.65
	♥	113	9T974G	5	59.65
	♥	113	9T974W	5	59.65
	♥	113	9T974N	5	59.65
	♥	113	9T974AG	5	59.65
<b>Gutter Union and Brackets</b>					
	<b>Gutter Union</b>				
	♥	113	9T909B	5	14.51
	♥	113	9T909G	5	14.51
	♥	113	9T909W	5	14.51
	♥	113	9T909N	5	14.51
	♥	113	9T909AG	5	14.51
	<b>Gutter Support Bracket</b>				
	♥	113	9T919B	40	5.05
	♥	113	9T919G	20	5.05
	♥	113	9T919W	20	5.05
	♥	113	9T919N	20	5.05
	♥	113	9T919AG	20	5.05
	<b>Gutter Bracket Spacer</b> – 21mm projection	–	0T044B	20	5.00
	<b>Angled Bracket Spacer</b>	–	0T045B	10	11.04
<b>Outlet and Stopends</b>					
	<b>Running Outlet</b>				
	♥	113	9T906B	5	17.84
	♥	113	9T906G	5	17.84
	♥	113	9T906W	5	17.84
	♥	113	9T906N	5	17.84
	♥	113	9T906AG	5	17.84
	<b>Stopend – internal</b>				
	♥	113	9T910B	5	6.34
	♥	113	9T910G	5	6.34
	♥	113	9T910W	5	6.34
	♥	113	9T910N	5	6.34
	♥	113	9T910AG	5	6.34
	<b>Stopend – external</b>				
	♥	113	9T911B	5	8.93
	♥	113	9T911G	5	8.93
	♥	113	9T911W	5	8.93
	♥	113	9T911N	5	8.93
	♥	113	9T911AG	5	8.93
<b>Gutter Angles</b>					
	<b>Angle – 90°</b>				
	♥	113	9T903B	5	23.07
	♥	113	9T903G	5	23.07
	♥	113	9T903W	5	23.07
	♥	113	9T903N	5	23.07
	♥	113	9T903AG	5	23.07






**Note:**

For details of 68mm (2½") pipe and fittings for use with DeepLine profile refer to pages 6-9.



# Osma DeepLine














## Rainwater high capacity – PVC-U

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Angle – 45°</b>				
	▽	113	9T904B	5	26.44
	▽	113	9T904G	5	26.44
	▽	113	9T904W	5	26.44
	▽	113	9T904N	5	26.44
	▽	113	9T904AG	5	26.44
	<b>Fabricated angles to order</b>	113	9T999B	1	101.66
		113	9T999G	1	101.66
		113	9T999W	1	101.66
		113	9T999N	1	101.66
	<b>Rise and Fall Brackets and Spikes</b>				
	<b>Bow and Pin</b>				
	– for Rise and Fall Brackets (for use with Build-in or Drive-in Spikes)				
		113	9T994B	10	23.51
		113	9T994G	10	23.51
		113	9T994AG	10	23.51
	<b>Build-in Spike</b>				
	– 200mm long	–	0T985B	10	12.42
	– 300mm long	–	0T986B	10	18.66
	<b>Drive-in Spike</b>				
	– 200mm long	–	0T988B	10	10.35
	– 300mm long	–	0T989B	10	13.91
	<b>Rafter Brackets (BZP)</b>				
	<b>Adjustable Top Rafter Bracket</b>				
	– 300mm long	–	0T147G	20	26.72
	<b>Adjustable Side Rafter Bracket</b>				
	– 300mm long	–	0T148G	20	24.68
	<b>Spares</b>				
	<b>Gutter Seal</b>	113	9T964B	10	2.40
	<b>Flexiclip</b>				
	▽	113	9T916B	1	2.43
	▽	113	9T916G	1	2.43
	▽	113	9T916W	1	2.43
	▽	113	9T916N	1	2.43
	▽	113	9T916AG	1	2.43



# Osma SuperLine








## Rainwater half round commercial – PVC-U

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Gutter</b> Gutter – 4.0m ♥	125	5T574B	5	78.63
	<b>Gutter Union and Brackets</b> Gutter Union ♥	125	5T509B	5	17.47
	Gutter Support Bracket ♥	125	5T519B	5	6.37
	Gutter Bracket Spacer – 21mm projection	–	0T044B	20	5.00
	Angled Bracket Spacer	–	0T045B	10	11.04
	<b>Outlet and Stopends</b> Running Outlet ♥	125	5T508B	5	26.08
	Stopend – internal ♥	125	5T510B	5	8.48
	Stopend – external ♥	125	5T511B	5	12.79
	<b>Gutter Angles</b> Angle – 90° ♥	125	5T503B	5	29.18
	Angle – 45° ♥	125	5T504B	5	33.26
	Fabricated angles to order	125	5T999B	1	116.87
	<b>Rise and Fall Brackets and Spikes</b> Bow and Pin – for Rise and Fall Brackets (for use with Build-in or Drive-in-Spikes)	125	5T594B	5	28.08
	Build-in Spike – 200mm long	–	0T985B	10	12.42
	– 300mm long	–	0T986B	10	18.66
	Drive-in Spike – 200mm long	–	0T988B	10	10.35
	– 300mm long	–	0T989B	10	13.91



# Osma SuperLine

## Rainwater half round commercial – PVC-U













Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Rafter Brackets (PVC Coated Steel)</b>					
	Top Rafter Bracket – 300mm long	125	5T595B	10	28.97
	Side Rafter Bracket – 300mm long	125	5T596B	10	30.65
<b>Rafter Bracket (BZP)</b>					
	Adjustable Top Rafter Bracket – 300mm long	–	0T147G	20	26.72
	Adjustable Side Rafter Bracket – 300mm long	–	0T148G	20	24.68
	<b>Rainwater Hopper</b> Hopper Head	110	4S326B	5	104.31
<b>Spares</b>					
	Gutter Seal	125	5T564B	10	3.24
	Flexiclip ♥	125	5T516B	1	3.00

Note: For details of 68mm (2½") pipe and fittings for use with the SuperLine Rainwater System refer to pages 6-9.



# Osma RoofLine







## Rainwater half round commercial – PVC-U

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Gutter</b> Gutter – 4.0m				
	♥ ♥	150 150	6T674B 6T674G	5 5	158.56 158.56
  	<b>Gutter Union and Bracket</b> Gutter Union				
	♥	150	6T609B	5	46.93
	♥	150	6T609G	5	46.93
	Gutter Support Bracket				
	♥	150	6T619B	10	16.43
	♥	150	6T619G	10	16.43
	Gutter Bracket Spacer – 21mm projection	–	0T044B	20	5.00
  	<b>Outlet and Stopends</b> Running Outlet				
	♥	150	6T606B	5	64.45
	♥	150	6T606G	5	64.45
	Stopend – internal				
	♥	150	6T610B	5	11.04
	♥	150	6T610G	5	11.04
	Stopend – external				
	♥	150	6T611B	5	31.97
	♥	150	6T611G	5	31.97
	<b>Gutter Angles</b> Angle – 90°				
	♥	150	6T603B	5	90.52
	♥	150	6T603G	5	90.52
	Fabricated angles to order				
		150 150	6T999B 6T999G	1 1	162.24 171.61
  	<b>Rise and Fall Brackets and Spikes</b> Bow and Pin – for Rise and Fall Brackets (for use with Build-in or Drive-in Spikes)	150 150	6T694B 6T694G	20 20	35.59 35.59
	Build-in Spike – 200mm long – 300mm long	– –	0T985B 0T986B	10 10	12.42 18.66
	Drive-in Spike – 200mm long – 300mm long	– –	0T988B 0T989B	10 10	10.35 13.91
	<b>Rafter Brackets (PVC coated steel)</b> Top Rafter Bracket – 300mm long	150	6T695B	10	31.78



# Osma RoofLine

## Rainwater half round commercial – PVC-U










Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	Side Rafter Bracket – 300mm long	150	6T696B	10	33.63
<b>Rafter Brackets (BZP)</b>					
	Adjustable Top Rafter Bracket – 300mm long	–	0T147G	20	26.72
	Adjustable Side Rafter Bracket – 300mm long	–	0T148G	20	24.68
<b>Rainwater Hopper</b>					
	Hopper Head	110	4S326B	5	104.31
		110	4S326G	5	104.31
<b>Spares</b>					
	Gutter Seal	150	6T664B	4	3.65
	Flexiclip	150	6T616B	1	3.35
		150	6T616G	1	3.35

Note: For details of 110mm (4") pipe and fittings for use with the RoofLine Rainwater System refer to pages 23-37.



# OsmaSoil









## Soil and Vent PVC-U Ring-seal system

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Pipe</b>				
	S/S Pipe – 2.0m				
	♥	82	3S042G	1	73.30
	♥ ♻	110	4S042B	2	65.82
	♥ ♻	110	4S042G	2	65.82
	♥ ♻	110	4S042G	2	65.82
	S/S Pipe – 2.5m	110	4S050G	50	79.97
	♥ ♻				
	S/S Pipe – 3.0m				
	♥	82	3S043B	2	101.32
	♥	82	3S043G	2	101.32
	♥ ♻	110	4S043B	2	88.67
	♥ ♻	110	4S043G	2	88.67
	♥ ♻	110	4S043W	2	88.67
	♥ ♻	160	6S043G	2	330.26
	♥ ♻	160	6S043G	2	330.26
	S/S Pipe – 4.0m				
	♥	82	3S044B	2	132.67
	♥	82	3S044G	2	132.67
	♥ ♻	110	4S044B	2	119.63
	♥ ♻	110	4S044G	2	119.63
	♥ ♻	110	4S044W	2	119.63
	♥ ♻	160	6S044G	2	429.73
	P/E Pipe – 3.0m				
	♥ ♻	110	4S073B	2	85.30
	♥ ♻	110	4S073G	2	85.30
	♥ ♻	110	4S073E	2	85.30
	♥ ♻	110	4S073W	2	85.30
	P/E Pipe – 4.0m				
	♥	82	3S074B	2	132.15
	♥	82	3S074G	2	132.15
	♥ ♻	110	4S074B	2	113.72
	♥ ♻	110	4S074G	2	113.72
	♥ ♻	110	4S074E	2	113.72
	♥ ♻	110	4S074W	2	113.72
	♥ ♻	160	6S074B	2	397.87
	♥ ♻	160	6S074G	2	397.87
	♥ ♻	160	6S074E	2	397.87
	♥ ♻	160	6S074E	2	397.87
	♥ ♻	160	6S074E	2	397.87
	♥ ♻	160	6S074E	2	397.87
	<b>Brackets</b>				
	Pipe Bracket				
	♥	82	3S082B	5	10.17
	♥	82	3S082G	5	10.17
	♥	110	4S082B	10	8.69
	♥	110	4S082G	10	8.69
	♥	110	4S082E	20	8.69
	♥	110	4S082W	10	8.69
	♥	160	6S082B	1	31.88
	♥	160	6S082G	1	31.88
	♥	160	6S082G	1	31.88
	♥	160	6S082G	1	31.88
	♥	160	6S082G	1	31.88
	Socket Bracket				
	♥	82	3S083B	5	13.16
	♥	82	3S083G	5	13.16
	♥	110	4S083B	5	11.28
	♥	110	4S083G	5	11.28
	♥	110	4S083E	5	11.28
	♥	110	4S083W	5	11.28











Note: ♻ Recycore Technology applies to 110mm and 160mm sizes only.



Soil and Vent PVC-U Ring-seal system












Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	Pipe or Socket Bracket – BZP coated steel				
	♥	110	4S084	10	25.10
	♥	160	6S084	1	52.96
<b>Suspended Bracketing System</b> (Not suitable for damp inaccessible voids)					
	Adjustable Pipe Bracket Assembly (pack containing threaded rod, threaded bracket, bracket plate and pipe/socket bracket) – BZP coated steel	110	4S086	1	81.57
		160	6S086	1	116.28
	Adjustable Socket Bracket and Brace Assembly (pack containing threaded rod, threaded bracket, bracket plate, two adjustable braces and pipe/socket bracket) – BZP coated steel	110	4S085	1	167.89
<b>Sockets</b>					
	D/SW Double Socket				
	♥	110	4S104B	5	19.12
	♥	110	4S104G	5	19.12
	♥	110	4S104E	10	19.12
	♥	110	4S104W	5	19.12
	♥	160	6S104B	1	46.30
	♥	160	6S104G	1	46.30
	♥	160	6S104E	1	46.30
	D/S Double Socket – for repairs				
	♥	82	3S105B	5	38.23
	♥	82	3S105G	5	38.23
	♥	110	4S105B	5	41.27
	♥	110	4S105G	5	41.27
	♥	110	4S105W	5	41.27
	♥	160	6S105G	1	116.28
	S/SW Single Socket				
	♥	82	3S124B	5	22.28
	♥	82	3S124G	5	22.28
	♥	110	4S124B	5	19.90
	♥	110	4S124G	5	19.90
	♥	110	4S124E	5	19.90
	♥	110	4S124W	5	19.90
	♥	160	6S124B	1	68.12
	♥	160	6S124G	1	68.12
	D/S Acoustic Socket				
	♥	110	4S125B	5	30.23
	♥	110	4S125G	5	30.23
	♥	110	4S125E	5	30.23
	D/S Double Sockets				
		110	4S205B	10	35.56
		110	4S205G	10	35.56
		110	4S205W	10	35.56













Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Connectors</b>					
	S/S Connector to CI soil socket	110	4S106G	5	56.24
	♥				
	Connector to CI soil socket	110	4S206B	5	59.50
	– synthetic rubber				
	Internal Drain Connector	110	4S298	5	20.20
	for 32mm/40mm waste pipe				
	Internal Drain Connector	110	4S299	5	23.26
	– for 50mm waste pipe				
<b>Reducers</b>					
	S/S Reducer – 82mm x 50mm	82	3S094B	5	46.70
	♥	82	3S094G	5	46.70
	Reducer – 110mm x 32mm waste	110	4S098G	5	46.29
	Reducer – 110mm x 40mm waste	110	4S097G	5	46.29
	S/S Reducer – 110mm x 50mm	110	4S096B	5	43.95
	♥	110	4S096G	5	43.95
	S/S Reducer – 110mm x 82mm	110	4S095B	5	40.31
	♥	110	4S095G	5	40.31
	S/S Reducer – 160mm x 110mm	160	6S099G	1	103.18
	♥				
<b>Bends</b>					
	S/S Bend – 87.5°	82	3S161B	5	45.26
	♥	82	3S161G	5	45.26
	♥	110	4S161B	5	52.70
	♥	110	4S161G	5	52.70
	♥	110	4S161W	5	52.70
	♥	160	6S161G	1	178.45
	♥				



Soil and Vent PVC-U Ring-seal system

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	S/SW Bend – 87.5° ▽	110	4S361G	5	51.88
	S/S Tight Radius Bend – 87.5° ▽	110	4S160B	10	58.54
	▽	110	4S160G	10	58.54
	▽	110	4S160W	10	58.54
	D/S Bend – 87.5°	110	4S561B	5	65.73
		110	4S561G	5	65.73
		110	4S561W	5	65.73
	S/S Bend – 76° ▽	110	4S164B	5	75.05
	▽	110	4S164G	5	75.05
	S/S Bend – 67.5° ▽	82	3S162G	5	56.43
	▽	110	4S162G	5	75.63
	S/S Bend – 45° ▽	82	3S163B	5	45.26
	▽	82	3S163G	5	45.26
	▽	110	4S163B	5	52.70
	▽	110	4S163G	5	52.70
	▽	110	4S163W	5	52.70
	▽	160	6S163G	1	178.45
	S/SW Bend – 45° ▽	110	4S363B	5	51.88
	▽	110	4S363G	5	51.88
	▽	110	4S363W	5	51.88
	S/S Bend – 30° ▽	110	4S166G	5	58.36
	S/S Bend – 15° ▽	110	4S167G	5	67.15
<hr/>					
	Adjustable Bends S/S Adjustable Bend – 30° ▲	110	4S173G	1	66.20
	S/S Adjustable Bend – 90° ▲	110	4S179G	1	74.86













Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Offset Bends</b>					
	<b>SW/S Offset Bend (bottom)</b>				
	♥	82	3S435G	5	47.15
	♥	110	4S435B	5	49.18
	♥	110	4S435G	5	49.18
	♥	110	4S435E	5	49.18
	♥	110	4S435W	5	49.18
	<b>S/SW Offset Bend (top)</b>				
	♥	82	3S440B	5	55.64
	♥	82	3S440G	5	55.64
	♥	110	4S440B	5	67.47
	♥	110	4S440G	5	67.47
	♥	110	4S440W	5	67.47
	♥	160	6S440G	1	199.43
	<b>S/S Offset Bend</b>				
	♥	110	4S444B	5	67.47
	♥	110	4S444G	5	67.47
	♥	110	4S444W	5	67.47
	<b>D/S Offset Bend</b>				
	♥	110	4S445B	5	75.05
	♥	110	4S445G	5	75.05
	♥	110	4S445W	5	75.05
<b>Manifolds</b>					
	<b>6 Boss Manifold</b>	110	4S597G	1	82.87
	<b>OsmaLink Soil Manifold</b> ♥	110	4S595G	1	91.12
	<b>All-Fit Reducer</b> – 1½" / 40 x 1¼" / 32	40	4Z124W	10	7.75
	<b>All-Fit Reduction Bend</b> – 2" / 50 x 1½" / 40	50	2S355W	10	12.11
	<b>All-Fit 90° Spigot Bend</b> – 2" / 50	50	2S356W	5	19.92
<b>Branches</b>					
	<b>S/S Single Branch – 87.5°</b>				
	♥	82	3S190B	5	80.55
	♥	82	3S190G	5	80.55
	♥	110	4S190B	5	74.39
	♥	110	4S190G	5	74.39
	♥	110	4S190W	5	74.39
	♥	160	6S190G	1	322.30













# OsmaSoil

## Soil and Vent PVC-U Ring-seal system

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	S/S Single 5 Boss Branch – 87.5° ▽	110	4S195B	5	96.41
	▽	110	4S195G	5	96.41
	▽	110	4S195W	5	96.41
	S/SW Single 5 Boss Branch – 87.5° ▽	110	4S395G	5	83.62
	S/S Unequal Single Branch – 87.5° ▽	160	6S198G	1	248.39
	S/S Single Branch – 76° ▽	110	4S220B	1	107.89
	▽	110	4S220G	1	107.89
	S/S Single Branch – 67.5° ▽	110	4S200B	1	107.89
	▽	110	4S200G	1	107.89
	S/S Single Branch – 45° ▽	82	3S210G	5	80.55
	▽	110	4S210B	5	110.57
	▽	110	4S210G	5	110.57
160x110mm	▽	160	6S218G	1	248.39
160x160mm	▽	160	6S210G	1	322.30
	S/S Double Branch – 87.5° ▽	110	4S230B	1	186.01
	▽	110	4S230G	1	186.01
	▽	110	4S230W	1	186.01
	S/S Unequal Double Branch – 87.5° ▽	160	6S238G	1	438.96
	S/S Double Branch – 45° ▽	110	4S250G	1	231.89
	S/S Corner Branch – 87.5° ▽	110	4S291G	1	292.82



	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Boss Socket Adaptors</b>					
	<b>S/S Boss Adaptor (Ring-Seal)</b> – for 1¼" / 32 plastic or copper pipe				
	♥	32	2S398B	10	10.41
	♥	32	2S398G	10	10.41
	♥	32	2S398W	5	10.41
	<b>S/S Boss Adaptor (Ring-Seal)</b> – for 1½" / 40 plastic or copper pipe				
	♥	40	2S399B	5	10.41
	♥	40	2S399G	10	10.41
	♥	40	2S399W	10	10.41
	<b>S/S Boss Adaptor (Ring-Seal)</b> – 2" / 50 plastic or copper pipe				
	♥	50	2S402B	5	13.42
	♥	50	2S402G	5	13.42
	♥	50	2S402W	5	13.42
	<b>S/S Boss Adaptor 90° (Ring-Seal)</b> – for 2" / 50 BS EN 1329, 1455 and 1566 pipe				
	♥	50	2S360G	10	14.77
<b>Bossed Pipes</b>					
	<b>S/S Bossed Pipe</b> – plain with one boss socket				
	♥	82	3S649B	10	43.20
	♥	82	3S649G	10	43.20
	<b>S/S Bossed Pipe</b> – for 1¼" / 32 plastic or copper pipe				
	♥ – <b>NEW</b>	110	4S581B	5	56.53
	♥	110	4S581G	5	56.53
	<b>S/S Bossed Pipe</b> – for 1½" / 40 plastic or copper pipe				
	♥ – <b>NEW</b>	110	4S582B	5	45.28
	♥	110	4S582G	5	45.28
	<b>D/SW Bossed Pipe (Ring Seal)</b> – for 1¼" / 32 plastic or copper pipe				
	♥	110	4S583B	5	21.96
	♥	110	4S583G	5	21.96
	♥	110	4S583W	5	21.96
	<b>D/SW Bossed Pipe (Ring Seal)</b> – for 1½" / 40 plastic or copper pipe				
	♥	110	4S584B	5	19.09
	♥	110	4S584G	5	19.09
	♥	110	4S584W	5	19.09
	<b>D/SW Short Bossed Pipe</b>				
		110	4S588B	5	18.95
		110	4S588G	5	18.95
	– <b>NEW</b>	110	4S588W	5	18.95










# OsmaSoil

## Soil and Vent PVC-U Ring-seal system

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>S/S Bossed Pipe</b> – plain with four boss sockets				
	♥	110	4S589B	5	30.81
	♥	110	4S589G	5	30.81
	♥	110	4S589W	5	30.81
	<b>S/SW Bossed Pipe</b> – plain with four boss sockets				
	♥	110	4S590B	5	36.70
	♥	110	4S590G	5	36.70
	♥	110	4S590E	5	36.70
<b>Strap Bosses</b>					
	<b>Strap Boss</b>				
	♥	82	3S319B	5	21.07
	♥	82	3S319G	5	21.07
	♥	110	4S319B	5	17.67
	♥	110	4S319G	5	17.67
	♥	110	4S319E	5	17.67
	♥	110	4S319W	5	17.67
	<b>Clip Boss</b> For Push-fit or Solvent Waste – 32mm				
		110	4S322B	10	21.75
		110	4S322G	10	21.75
		110	4S322W	10	21.75
	<b>For Push-fit or Solvent Waste – 40mm</b>				
		110	4S321B	5	21.75
		110	4S321G	5	21.75
		110	4S321W	5	21.75
	<b>Patch Boss</b> For Push-fit or Solvent Waste – 50mm				
	♥	110	4S323G	10	27.63
		160	6S323G	1	42.82
<b>Access Fittings</b>					
	<b>S/S Access Bend – 87.5°</b>				
	♥	110	4S169B	5	123.98
	♥	110	4S169G	5	123.98
	♥	110	4S169W	5	123.98
	<b>S/SW Access Bend – 87.5°</b>				
	♥	110	4S369G	5	142.46
	<b>S/S Access Branch – 87.5°</b>				
	♥	110	4S502B	1	167.89
	♥	110	4S502G	1	167.89
	<b>S/S Access Pipe – with bolted door</b>				
	♥	82	3S274B	5	88.93
	♥	82	3S274G	5	88.93










	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>S/S Bossed Access Pipe</b> – with screwed access and three boss sockets				
	♥	110	4S274B	1	89.22
	♥	110	4S274G	5	89.22
	♥	110	4S274W	1	89.22
	♥	160	6S274G	1	241.70
	<b>S/SW Bossed Access Pipe</b> – with screwed access and three boss sockets				
	♥	110	4S374G	10	90.59
	<b>Access Saddle</b>				
	♥	110	4S275B	1	47.25
	♥	110	4S275G	1	47.25
<b>Plugs</b>					
	<b>P/E Access Plug</b>				
	♥	82	3S292B	5	44.02
	♥	82	3S292G	5	44.02
	♥	110	4S292B	1	41.20
	♥	110	4S292G	1	41.20
	♥	110	4S292E	1	41.20
	♥	110	4S292W	1	41.20
	♥	160	6S292B	1	90.09
	♥	160	6S292G	1	90.09
	<b>P/E Socket Plug</b> – with one boss socket				
	♥	110	4S296B	5	29.05
	♥	110	4S296G	5	29.05
	♥	110	4S296E	5	29.05
	♥	110	4S296W	5	29.05
<b>Spares</b>					
	<b>Snap Cap</b>				
		82	3S116B	1	2.65
		82	3S116G	1	2.65
		110	4S116B	1	8.31
		110	4S116G	1	8.31
		110	4S116W	1	8.31
	<b>T Ring Seal</b>				
		110	4S130G	5	5.99
		160	6S130G	5	10.92

Note: For OsmaSoil WC Connectors, Terminal Fittings and Ancillary Items see pages 38-41













# OsmaSoil

## Soil and Vent PVC-U Solvent Weld system

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Pipe</b>				
	P/E Pipe – 3.0m				
	♻️ ♻️	110	4S073B	2	85.30
	♻️ ♻️	110	4S073G	2	85.30
	♻️ ♻️	110	4S073E	2	85.30
	♻️ ♻️	110	4S073W	2	85.30
	P/E Pipe – 4.0m				
	♻️ ♻️	110	4S074B	2	113.72
	♻️ ♻️	110	4S074G	2	113.72
	♻️ ♻️	110	4S074E	2	113.72
 Made with Warr Recycore Technology™  ♻️ 50% RECYCLED RAW MATERIAL	♻️ ♻️	110	4S074W	2	113.72
	♻️ ♻️	160	6S074B	2	397.87
	♻️ ♻️	160	6S074G	2	397.87
	♻️ ♻️	160	6S074E	2	397.87
	<b>Brackets</b>				
	Pipe Bracket				
	♻️	110	4S082B	10	8.69
	♻️	110	4S082G	10	8.69
	♻️	110	4S082E	20	8.69
	♻️	110	4S082W	10	8.69
	♻️	160	6S082B	1	31.88
	♻️	160	6S082G	1	31.88
	♻️	160	6S082E	1	31.88
	<b>Socket Bracket</b>				
	♻️	110	4S083B	5	11.28
	♻️	110	4S083G	5	11.28
	♻️	110	4S083E	5	11.28
	♻️	110	4S083W	5	11.28
	Pipe or Socket Bracket	110	4S084	10	25.10
	– BZP coated steel	160	6S084	1	52.96
<b>Suspended Bracketing System</b>					
(Not suitable for damp inaccessible voids)					
	Adjustable Pipe Bracket Assembly	110	4S086	1	81.57
	(pack containing threaded rod, threaded bracket, bracket plate and pipe/socket bracket) – BZP coated steel	160	6S086	1	116.28
	Adjustable Socket Bracket and Brace Assembly	110	4S085	1	167.89
	(pack containing threaded rod, threaded bracket, bracket plate, two adjustable braces and pipe/socket bracket) – BZP coated steel				

Note: ♻️ ♻️ Recycore Technology applies to 110mm and 160mm sizes only.








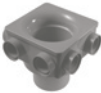




	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Sockets</b>					
	<b>D/SW Double Socket</b>				
	♥	110	4S104B	5	19.12
	♥	110	4S104G	5	19.12
	♥	110	4S104E	10	19.12
	♥	110	4S104W	5	19.12
	♥	160	6S104B	1	46.30
	♥	160	6S104G	1	46.30
	♥	160	6S104E	1	46.30
	<b>D/S Double Socket – for repairs</b>				
	♥	110	4S105B	5	41.27
	♥	110	4S105G	5	41.27
	♥	110	4S105W	5	41.27
	♥	160	6S105G	1	116.28
	<b>S/SW Single Socket</b>				
	♥	110	4S124B	5	19.90
	♥	110	4S124G	5	19.90
	♥	110	4S124E	5	19.90
	♥	110	4S124W	5	19.90
	♥	160	6S124B	1	68.12
	♥	160	6S124G	1	68.12
	<b>D/S Acoustic Socket</b>				
	♥	110	4S125B	5	30.23
	♥	110	4S125G	5	30.23
	♥	110	4S125E	5	30.23
<b>Connectors</b>					
	<b>Connector to CI soil socket – synthetic rubber</b>	110	4S206B	5	59.50
<b>Reducers</b>					
	<b>SW/S Reducer – 110mm x 50mm</b>				
	♥	110	4S496B	5	39.65
	♥	110	4S496G	5	39.65
	♥	110	4S496E	5	39.65
	<b>S/S Reducer – 110mm x 82mm</b>				
	♥	110	4S095B	5	40.31
	♥	110	4S095G	5	40.31
	<b>SW/S Reducer – 160mm x 110mm</b>				
	♥	160	6S499B	1	74.74
	♥	160	6S499G	1	74.74
	♥	160	6S499E	1	74.74
<b>Expansion Cap</b>					
	<b>Expansion Cap – with integral ring-seal</b>				
	♥	110	4S416B	5	9.22
	♥	110	4S416G	5	9.22
	♥	110	4S416E	5	9.22
	♥	160	6S416E	5	23.73
<b>Bends</b>					
	<b>D/SW Bend – 87.5°</b>				
	♥	110	4S461B	5	51.82
	♥	110	4S461G	5	51.82
	♥	110	4S461E	5	51.82
	♥	110	4S461W	5	51.82
	♥	160	6S461B	1	136.50
	♥	160	6S461G	5	136.50
	♥	160	6S461E	1	136.50












# OsmaSoil

## Soil and Vent PVC-U Solvent Weld system

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	D/SW Bend – 67.5° ♥	110	4S462B	5	56.05
	♥	110	4S462G	5	56.05
	D/SW Bend – 45° ♥	110	4S463B	5	51.75
	♥	110	4S463G	5	51.75
	♥	110	4S463E	5	51.75
	♥	160	6S463B	1	139.81
	♥	160	6S463G	5	139.81
	♥	160	6S463E	1	139.81
	SW/S Bend – 45° ♥	110	4S263B	5	56.05
	♥	110	4S263G	5	56.05
	♥	110	4S263E	5	56.05
	SW/S Bend – 11.25° ♥	110	4S268B	5	54.08
	♥	110	4S268G	5	54.08
	♥	110	4S268E	5	54.08
	SW/S Long Tail Bend – 87.5° ♥	110	4S260B	5	59.54
	♥	110	4S260G	5	59.54
	♥	110	4S260E	5	59.54
<b>Offset Bends</b>					
	SW/S Offset Bend (bottom) ♥	110	4S435B	5	49.18
	♥	110	4S435G	5	49.18
	♥	110	4S435E	5	49.18
	♥	110	4S435W	5	49.18
	D/SW Offset Bend (top) ♥	110	4S450B	5	54.88
	♥	110	4S450G	1	54.88
	♥	110	4S450E	5	54.88
<b>Manifold</b>					
	6 Boss Manifold	110	4S597G	1	82.87
		110	4S597E	1	82.87
<b>Branches</b>					
	D/SW Single Branch – 87.5° ♥	110	4S490B	5	73.26
	♥	110	4S490G	5	73.26
	♥	110	4S490E	5	73.26
	♥	160	6S490B	1	233.07
	♥	160	6S490G	5	233.07
	♥	160	6S490E	1	233.07
	SW/S Single Branch – 87.5° ♥	110	4S290B	5	73.29
	♥	110	4S290G	5	73.29
	♥	110	4S290E	5	73.29













	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>D/SW Single 5 Boss Branch – 87.5°</b>				
	♥	110	4S495B	5	76.25
	♥	110	4S495G	5	76.25
	♥	110	4S495E	5	76.25
	<b>D/SW Unequal Single Branch – 87.5°</b>				
	♥	160	6S498B	1	179.81
	♥	160	6S498G	5	179.81
	♥	160	6S498E	1	179.81
	<b>D/SW Single Branch – 45°</b>				
	♥	110	4S410B	5	82.81
	♥	110	4S410G	5	82.81
	♥	110	4S410E	5	82.81
	<b>D/SW Double Branch – 87.5°</b>				
	♥	110	4S430B	1	183.37
	♥	110	4S430G	5	183.37
	♥	110	4S430E	1	183.37
	<b>SW/S Corner Branch – 87.5°</b>				
	♥	110	4S491B	1	324.51
	♥	110	4S491G	5	324.51
	♥	110	4S491E	1	324.51
<b>Boss Socket Adaptors</b>					
	<b>SW/S Boss Adaptor (Solvent Weld)</b> – for 1 1/4" / 32mm BS EN 1329, 1455 and 1566 pipe				
	♥	32	2S298B	10	9.68
	♥	32	2S298G	10	9.68
	♥	32	2S298E	10	9.68
	♥	32	2S298W	10	9.68
	<b>SW/S Boss Adaptor (Solvent Weld)</b> – 1 1/2" / 40mm BS EN 1329, 1455 and 1566 pipe				
	♥	40	2S299B	10	8.94
	♥	40	2S299G	10	8.94
	♥	40	2S299E	10	8.94
	♥	40	2S299W	10	8.94
	<b>SW/S Boss Adaptor (Solvent Weld)</b> – for 2" / 50mm BS EN 1329, 1455 and 1566 pipe				
	♥	50	2S403B	5	10.66
	♥	50	2S403G	5	10.66
	♥	50	2S403E	5	10.66
	♥	50	2S403W	5	10.66
<b>Bossed Pipes</b>					
	<b>D/SW Bossed Pipe (Solvent Weld)</b> – for 1 1/4" / 32mm BS EN 1329, 1455 and 1566 pipe				
	♥	110	4S483B	5	22.76
	♥	110	4S483G	5	22.76
	♥	110	4S483E	5	22.76







# OsmaSoil

## Soil and Vent PVC-U Solvent Weld system
















Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	D/SW Bossed Pipe (Solvent Weld) – 1½" / 40mm BS EN 1329, 1455 and 1566 pipe				
	▽	110	4S484B	5	22.76
	▽	110	4S484G	5	22.76
	▽	110	4S484E	5	22.76
	D/SW Bossed Pipe – plain (four boss sockets)				
	▽	110	4S586B	5	25.33
	▽	110	4S586G	5	25.33
	▽	110	4S586E	5	25.33
	SW/S Bossed Pipe – plain (four boss sockets)				
	▽	110	4S585B	5	25.33
	▽	110	4S585G	5	25.33
	▽	110	4S585E	5	25.33
	D/SW Short Bossed Pipe				
		110	4S588B	5	18.95
		110	4S588G	5	18.95
		110	4S588W	5	18.95
	S/SW Bossed Pipe – plain (four boss sockets)				
	▽	110	4S590B	5	36.70
	▽	110	4S590G	5	36.70
	▽	110	4S590E	5	36.70
<b>Strap Boss</b>					
	▽	110	4S319B	5	17.67
	▽	110	4S319G	5	17.67
	▽	110	4S319E	5	17.67
	▽	110	4S319W	5	17.67
<b>Access Fittings</b>					
	D/SW Access Bend – 87.5°				
	▽	110	4S469B	5	130.60
	▽	110	4S469G	5	130.60
	▽	110	4S469E	5	130.60
	D/SW Access Branch – 87.5°				
	▽	110	4S493B	1	139.01
	▽ –	110	4S493G	5	139.01
	▽	110	4S493E	1	139.01
	SW/S Bossed Access Pipe – with screwed access and three boss sockets				
	▽	110	4S574B	5	92.05
	▽	110	4S574G	1	92.05
	▽	110	4S574E	5	92.05
	▽	160	6S474B	1	196.88
	▽	160	6S474G	1	196.88
	D/SW Bossed Access Pipe – with screwed access and three boss sockets				
	▽	110	4S474B	5	92.05
	▽	110	4S474G	5	92.05
	▽	110	4S474E	5	92.05



	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Access Saddle</b>				
	♥	110	4S275B	1	47.25
	♥	110	4S275G	1	47.25
<hr/>					
	<b>Plugs</b>				
	<b>P/E Access Plug</b>				
	♥	82	3S292B	5	44.02
	♥	82	3S292G	5	44.02
	♥	110	4S292B	1	41.20
	♥	110	4S292G	1	41.20
	♥	110	4S292E	1	41.20
	♥	110	4S292W	1	41.20
	♥	160	6S292B	1	90.09
	♥	160	6S292G	1	90.09
	<b>SW/S Access Plug</b>				
	♥	110	4S492B	5	51.90
	♥	110	4S492G	1	51.90
	♥	110	4S492E	5	51.90
	<b>P/E Socket Plug</b>				
	– with one boss socket				
	♥	110	4S296B	5	29.05
	♥	110	4S296G	5	29.05
	♥	110	4S296E	5	29.05
	♥	110	4S296W	5	29.05



WC connectors

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>WC Manifold Branches (for WC to BS 5503)</b>					
	S/SW Manifold Branch – Straight ♥	110	4S601W	1	262.58
	S/SW Manifold Branch – 8° (LH) ♥	110	4S602W	1	262.58
	(RH) ♥	110	4S612W	1	262.58
	S/SW Manifold Branch – 15.5° (LH) ♥	110	4S603W	1	262.58
	(RH) ♥	110	4S613W	1	262.58
	S/SW Manifold Branch – 23° (LH) ♥	110	4S604W	1	262.58
	(RH) ♥	110	4S614W	1	262.58
	S/SW Manifold Branch – 30.5° (LH) ♥	110	4S605W	1	262.58
	(RH) ♥	110	4S615W	1	262.58
	S/SW Manifold Branch – 38° (LH) ♥	110	4S606W	1	262.58
<b>WC Connectors (for WCs to BS 5503)</b>					
	P/E WC Connector – 2.5° ♥	110	4S791W	10	39.89
	SW/S WC Connector – 2.5° ♥	110	4S792W	5	42.21
	P/E WC Connector – 14° ♥	110	4S711W	5	47.30
	P/E WC Connector – 90° ♥	110	4S771W	10	67.68
	SW/S WC Connector – 90° ♥	110	4S772W	10	58.74
<b>WC Connectors and Gaskets (for WCs to BS 1213)</b>					
	SW/S WC Connector – 87.5° ♥	110	4S745W	5	52.47



	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>WC Gasket</b> – for WC spigots from 4" to 4¼"	110	4S121W	10	24.27
	<b>WC Gasket</b> – for WC spigots from 4¼" to 4½"	110	4S120W	10	22.76
<b>WC Connectors – Ancillary Products</b>					
	<b>S/S Long Tail Bend – 87.5°</b> ♻️	110	4S790W	5	67.47
	<b>P/E Pipe – 600mm length</b> ♻️ ♻️	110	4S600W	1	38.28
 <p>Made with Wavin <b>Recycore</b> Technology™ <b>50% RECYCLED</b> RAW MATERIAL</p>					

## WC connectors – Easy-fit











	Description	Nom dia inch	Cat no	Pack qty	Price £ per piece
<b>Easy-Fit Pan Connectors</b>					
	<b>Style 1 – Straight</b>	3½in	WC003W	1	28.56
		4in	WC004W	1	21.16
	<b>Style 1 – Offset</b>	4in	WC204W	1	25.97
	<b>Style 1 – 14°</b>	4in	WC144W	1	27.32
	<b>Style 90°</b>	4in	WC904W	1	30.34
	<b>Straight Extension Piece</b>	4in	WC404W	1	26.01

Note: ♻️ Recycore Technology applies to 110mm and 160mm sizes only.










# OsmaSoil

## Ancillaries

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Terminal Fittings</b>					
	Balloon Grating	82	3S302B	5	16.02
		82	3S302G	5	16.02
		110	4S302B	5	12.20
		110	4S302G	5	12.20
		110	4S302E	5	12.20
		110	4S302W	5	12.20
		160	6S302G	1	45.76
	Weathering Collar	82	3S300B	5	18.29
		110	4S300B	5	17.05
		110	4S300G	5	17.05
		110	4S300W	5	17.05
	SW/S Vent Cowl				
	♥	110	4S310B	1	61.61
	♥	110	4S310G	1	61.61
	♥	110	4S310E	1	61.61
	Flexible Vent Pipe				
	– connects to ridge tile adaptor. Length 500mm				
		110	4S308B	1	148.96
<b>Air Admittance Valves</b>					
	OsmaVent 40 Air Admittance Valve				
	– fits 1¼" / 32mm and 1½" / 40mm pipe				
	▲	40	4S303W	1	92.32
	OsmaVent Air Admittance Valve				
	– can also be adapted to fit 82mm soil				
	▲	110	4S304W	1	208.64
	Domestic Air Admittance Valve All				
	▲	110	4S306G	1	135.49
<b>Pipe Flashings</b>					
	VariPitch Pipe Flashing				
	– 400mm x 400mm – for flat roofs		4S281G	1	165.94
					
	– 450mm x 450mm – for pitched roofs		4S283G	1	159.84
<b>Roof Outlets</b>					
	SW/S Domed Roof Outlet	82	3S414G	1	155.03
		110	4S414G	1	171.99









Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Rainwater Hopper and Shoe</b> Hopper Head	82	3S530B	1	123.99
		110	4S326B	5	104.31
		110	4S326G	5	104.31
	<b>S/S Rainwater Pipe Shoe</b>	82	3S288B	5	59.22
		110	4S288B	1	88.38
		110	4S288G	1	88.38
<b>Cleaners, Solvent Cements, Lubricants</b>					
	<b>Degreasing Cleaner No.1</b> – 250ml can	–	4S380G	10	21.93
	<b>Solvent Cement No. 2</b> – 125ml can ▽	–	4S383G	10	25.41
	– 250ml can ▽	–	4S384G	10	34.20
	– 500ml can ▽	–	4S385G	10	74.44
	<b>Solvent Cement Filler – 140ml tube</b>	–	4S394G	5	36.02
	<b>Silicone Lubricant – 50g tube</b>	–	4S391G	5	28.54
	<b>Silicone Lubricant Spray – 400ml can</b>	–	4S392	1	49.68









# OasmaWeld

## ABS Solvent Weld waste

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Pipe</b>				
	P/E Pipe – 3.0m				
	♥	32	4Z073B	10	17.31
	♥	32	4Z073W	10	17.31
	♥	40	5Z073B	10	21.39
	♥	40	5Z073W	10	21.39
	♥	50	2Z073B	10	27.43
	P/E Pipe – 4.0m				
	♥	32	4Z074G	10	23.08
	♥	40	5Z074G	10	28.47
	♥	50	2Z074G	10	36.58
	<b>Bracket</b>				
	Pipe Bracket				
	♥	32	4Z081B	30	1.30
	♥	32	4Z081G	30	1.30
	♥	32	4Z081W	30	1.30
	♥	40	5Z081B	30	1.32
	♥	40	5Z081G	30	1.32
	♥	40	5Z081W	30	1.32
	♥	50	2Z081B	20	2.68
	♥	50	2Z081G	10	2.68
	<b>Sockets</b>				
	Double Socket				
	♥	32	4Z104B	20	3.69
	♥	32	4Z104G	10	3.69
	♥	32	4Z104W	20	3.69
	♥	40	5Z104B	30	3.79
	♥	40	5Z104G	30	3.79
	♥	40	5Z104W	30	3.79
	♥	50	2Z104B	10	7.57
	♥	50	2Z104G	5	7.57
	♥	50	2Z104W	5	7.57
	<b>Expansion Socket – with solvent socket tail</b>				
	♥	32	4Z124G	10	7.75
	♥	32	4Z124W	10	7.75
	♥	40	5Z124G	10	7.57
	♥	40	5Z124W	10	7.57
	♥	50	2Z124W	5	13.14
	<b>Bends</b>				
	Knuckle Bend – 90°				
	♥	32	4Z160B	10	4.91
	♥	32	4Z160G	10	4.91
	♥	32	4Z160W	10	4.91
	♥	40	5Z160B	20	5.80
	♥	40	5Z160G	20	5.80
	♥	40	5Z160W	20	5.80
	♥	50	2Z160B	10	9.09
	♥	50	2Z160G	5	9.09
	♥	50	2Z160W	5	9.09











	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Spigot Bend – 90°</b>				
	♥	32	4Z260B	15	6.69
	♥	32	4Z260G	15	6.69
	♥	32	4Z260W	15	6.69
	♥	40	5Z260B	15	6.50
	♥	40	5Z260G	15	6.50
	♥	40	5Z260W	15	6.50
	♥	50	2Z260B	10	8.25
	♥	50	2Z260G	10	8.25
	♥	50	2Z260W	10	8.25
	<b>Bend – 87.5°</b>				
	♥	32	4Z161B	10	5.16
	♥	32	4Z161G	10	5.16
	♥	32	4Z161W	25	5.16
	♥	40	5Z161B	10	6.16
	♥	40	5Z161G	10	6.16
	♥	40	5Z161W	10	6.16
	♥	50	2Z161B	5	9.63
	♥	50	2Z161G	5	9.63
	♥	50	2Z161W	5	9.63
	<b>Bend – 45°</b>				
	♥	32	4Z163B	20	4.62
	♥	32	4Z163G	20	4.62
	♥	32	4Z163W	20	4.62
	♥	40	5Z163B	20	5.16
	♥	40	5Z163G	20	5.16
	♥	40	5Z163W	20	5.16
	♥	50	2Z163B	10	9.86
	♥	50	2Z163G	5	9.86
	♥	50	2Z163W	5	9.86
	<b>Bend – 45° – male and female</b>				
	♥	32	4Z263B	5	3.92
	♥	32	4Z263W	5	3.92
	♥	40	5Z263B	10	4.56
	♥	40	5Z263G	10	4.56
	♥	40	5Z263W	10	4.56
	<b>Long Tail Bend – 87.5°</b>	50	2Z359G	5	15.37
<hr/>					
	<b>Tees</b>				
	<b>Tee – 87.5°</b>				
	♥	32	4Z190B	10	6.12
	♥	32	4Z190G	10	6.12
	♥	32	4Z190W	10	6.12
	♥	40	5Z190B	5	6.45
	♥	40	5Z190G	5	6.45
	♥	40	5Z190W	5	6.45
	♥	50	2Z190B	10	13.28
	♥	50	2Z190G	5	13.28
	♥	50	2Z190W	5	13.28















# OasmaWeld

## ABS Solvent Weld waste

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Tee – 45°</b>				
	♥	32	4Z210W	10	9.69
	♥	40	5Z210B	5	11.78
	♥	40	5Z210G	5	11.78
	♥	40	5Z210W	5	11.78
	♥	50	2Z210B	5	17.19
	♥	50	2Z210G	5	17.19
	♥	50	2Z210W	5	17.19
	<b>Cross Tee</b>				
	<b>Cross – 87.5°</b>				
	♥	40	5Z230W	5	20.76
	♥	50	2Z230W	5	31.44
	<b>Plug</b>				
	<b>Access Plug</b>				
	♥	32	4Z292B	10	5.10
	♥	32	4Z292G	5	5.10
	♥	32	4Z292W	5	5.10
	♥	40	5Z292B	15	5.36
	♥	40	5Z292G	15	5.36
	♥	40	5Z292W	15	5.36
	♥	50	2Z292B	5	9.48
	♥	50	2Z292G	5	9.48
	♥	50	2Z292W	5	9.48
<b>Connectors and Adaptors</b>					
	<b>Straight Adaptor</b>				
	– Push fit to solvent weld				
	♥	32	4Z120W	10	5.38
	♥	40	5Z120W	10	5.38
	<b>Straight Tank Connector</b>				
	♥	32	4Z185W	10	12.86
	♥	40	5Z185W	5	13.33
	<b>Universal Connector</b>				
	– for BS EN 1329, 1451, 1455 and 1566 pipe				
	♥	32	4W102B	10	7.59
	♥	32	4W102G	10	7.59
	♥	32	4W102W	10	7.59
	♥	40	5W102B	5	7.59
	♥	40	5W102G	5	7.59
	♥	40	5W102W	5	7.59
		50	2W102G	10	7.30
	<b>Male Cap and Liner</b>				
	– male threaded component				
		32	4Z363W	10	7.93
		40	5Z363W	10	7.93
	<b>Female Cap and Liner</b>				
	– female threaded component				
		32	4Z364W	5	5.15
		40	5Z364W	5	5.80








	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Female Iron Connector</b> – solvent weld socket and BSPT socket	32	4Z127W	5	10.81
		40	5Z127W	10	11.43
	<b>Male Iron Connector</b> – SW/S and BSPT spigot ♥ ♥ ♥	32	4Z128W	5	10.21
		40	5Z128W	10	10.81
		50	2Z128W	5	13.46
<b>Reducers</b>					
	<b>Socket Reducer</b> – 2"/50mm x 1¼"/32mm	50	2Z088B	10	6.47
		50	2Z088G	5	6.47
		50	2Z088W	5	6.47
	<b>Socket Reducer</b> – 2"/50mm x 1½"/40mm	50	2Z086B	10	6.31
		50	2Z086G	5	6.31
		50	2Z086W	5	6.31
	<b>Socket Reducer</b> – 1½"/40mm x 1¼"/32mm	40	5Z455B	10	3.47
		40	5Z455G	10	3.47
		40	5Z455W	10	3.47
	<b>Waste to Overflow Reducer</b> – 32x21.5mm – solvent weld – 40x21.5mm – solvent weld	32	1E344B	5	5.80
		32	1E344W	5	5.80
		40	1E346B	5	5.80
		40	1E346W	5	5.80
	<b>Reducer to 21.5mm pipe</b> – synthetic rubber	32	4Z343G	10	4.43
	<b>Reducer to 35mm copper pipe</b> – synthetic rubber	40	5Z344G	10	4.56
	<b>Reducer</b> – 2"/50mm x 1¼"/32mm – synthetic rubber	50	2Z347G	5	8.46
	<b>Reducer to 42mm copper pipe</b> – synthetic rubber	50	2Z349G	5	8.01
	<b>Level Invert Reducer</b> – 1½"/40mm x 1¼"/32mm	40	5Z085B	5	4.62
		40	5Z085G	5	4.62
		40	5Z085W	5	4.62
<b>Air Admittance Valve</b>					
	<b>OsmaVent 40 Air Admittance Valve</b> – fits 1¼" / 32mm and 1½" / 40mm pipe	40	4S303W	1	92.32








# Osma Waste

## PVC-C Solvent Weld waste pipe and fittings

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Pipe</b>					
	P/E Pipe – 3.0m				
	♥	32	4M073B	10	28.37
	♥	32	4M073E	10	28.37
	♥	32	4M073W	10	28.37
	♥	40	5M073B	10	30.95
	♥	40	5M073E	10	30.95
	♥	40	5M073W	10	30.95
	♥	50	2M073B	5	47.62
	♥	50	2M073E	10	47.62
	♥	50	2M073W	5	47.62
<b>Bracket</b>					
	Pipe Bracket				
	♥	32	4M081B	40	1.30
	♥	32	4M081E	40	1.30
	♥	32	4M081W	20	1.30
	♥	40	5M081B	35	1.32
	♥	40	5M081E	35	1.32
	♥	40	5M081W	35	1.32
	♥	50	2M081B	10	2.68
	♥	50	2M081E	20	2.68
	♥	50	2M081W	10	2.68
<b>Sockets</b>					
	Double Socket				
	♥	32	4M104B	10	5.34
	♥	32	4M104E	20	5.34
	♥	32	4M104W	10	5.34
	♥	40	5M104B	10	6.73
	♥	40	5M104E	20	6.73
	♥	40	5M104W	10	6.73
	♥	50	2M104B	5	10.92
	♥	50	2M104E	10	10.92
	♥	50	2M104W	5	10.92
	Expansion Socket	32	4M124E	10	11.28
	– with solvent socket tail	32	4M124W	10	11.28
		40	5M124E	10	11.78
		40	5M124W	10	11.78
		50	2M124E	5	21.05
		50	2M124W	5	21.05
<b>Bends</b>					
	Knuckle Bend – 90°				
	♥	32	4M160B	30	7.98
	♥	32	4M160E	30	7.98
	♥	32	4M160W	30	7.98
	♥	40	5M160B	30	9.39
	♥	40	5M160E	30	9.39
	♥	40	5M160W	30	9.39
	♥	50	2M160B	5	16.77
	♥	50	2M160E	5	16.77
	♥	50	2M160W	5	16.77






Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Bend – 87.5°</b>				
	♥	32	4M161B	10	9.76
	♥	32	4M161E	10	9.76
	♥	32	4M161W	10	9.76
	♥	40	5M161B	40	11.78
	♥	40	5M161E	40	11.78
	♥	40	5M161W	40	11.78
	♥	50	2M161B	5	16.38
	♥	50	2M161E	5	16.38
	♥	50	2M161W	5	16.38
	<b>Bend – 45°</b>				
	♥	32	4M163B	10	7.41
	♥	32	4M163E	10	7.41
	♥	32	4M163W	10	7.41
	♥	40	5M163B	20	8.33
	♥	40	5M163E	20	8.33
	♥	40	5M163W	20	8.33
	♥	50	2M163B	5	14.08
	♥	50	2M163E	5	14.08
	♥	50	2M163W	5	14.08
	<b>Spigot Bend – 90°</b>				
	♥	32	4M260B	5	10.30
	♥	32	4M260E	5	10.30
	♥	32	4M260W	5	10.30
	♥	40	5M260B	10	12.43
	♥	40	5M260E	10	12.43
	♥	40	5M260W	10	12.43
	♥	50	2M260B	5	18.48
	♥	50	2M260E	5	18.48
	♥	50	2M260W	5	18.48
	<b>Tee</b>				
	<b>Tee – 87.5°</b>				
	♥	32	4M190B	5	12.75
	♥	32	4M190E	5	12.75
	♥	32	4M190W	5	12.75
	♥	40	5M190B	15	14.53
	♥	40	5M190E	15	14.53
	♥	40	5M190W	15	14.53
	♥	50	2M190B	5	22.64
	♥	50	2M190E	5	22.64
	♥	50	2M190W	5	22.64
	<b>Plug</b>				
	<b>Access Plug</b>				
	♥	32	4M292B	5	7.89
	♥	32	4M292E	5	7.89
	♥	32	4M292W	5	7.89
	♥	40	5M292B	5	7.75
	♥	40	5M292E	5	7.75
	♥	40	5M292W	5	7.75
	♥	50	2M292B	5	13.47
	♥	50	2M292E	5	13.47
	♥	50	2M292W	5	13.47



# Osma Waste






## PVC-C Solvent Weld waste pipe and fittings

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Reducers</b>				
	Reducer – 1½" / 40mm x 1¼" / 32mm				
	♥	40	5M455B	10	4.96
	♥	40	5M455E	10	4.96
	♥	40	5M455W	10	4.96
	Reducer – 2" / 50mm x 1¼" / 32mm				
	♥	50	2M458B	5	9.36
	♥	50	2M458E	5	9.36
	♥	50	2M458W	5	9.36
	Reducer – 2" / 50mm x 1½" / 40mm				
	♥	50	2M456B	5	9.36
	♥	50	2M456E	5	9.36
	♥	50	2M456W	5	9.36



# Osma Waste







## PP Push-fit waste

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Pipe</b>				
	P/E Pipe – 3.0 metre				
	♥	32	4W073B	10	12.16
	♥	32	4W073G	10	12.16
	♥	32	4W073W	10	12.16
	♥	40	5W073B	10	14.07
	♥	40	5W073G	10	14.07
	♥	40	5W073W	10	14.07
	<b>Bracket</b>				
	Pipe Bracket				
	♥	32	4W081B	30	1.22
	♥	32	4W081G	30	1.22
	♥	32	4W081W	30	1.22
	♥	40	5W081B	30	1.15
	♥	40	5W081G	30	1.15
	♥	40	5W081W	30	1.15
	<b>Socket</b>				
	Double Socket				
	♥	32	4W105B	15	3.98
	♥	32	4W105G	15	3.98
	♥	32	4W105W	15	3.98
	♥	40	5W105B	15	4.24
	♥	40	5W105G	15	4.24
	♥	40	5W105W	15	4.24
	<b>Bends</b>				
	Knuckle Bend – 90°				
	♥	32	4W160B	10	3.68
	♥	32	4W160G	10	3.68
	♥	32	4W160W	10	3.68
	♥	40	5W160B	30	3.69
	♥	40	5W160G	30	3.69
	♥	40	5W160W	30	3.69
	<b>Bend – 87.5°</b>				
	♥	32	4W161B	10	3.98
	♥	32	4W161G	10	3.98
	♥	32	4W161W	10	3.98
	♥	40	5W161B	10	3.98
	♥	40	5W161G	10	3.98
	♥	40	5W161W	10	3.98
	♥	40	5W161W	10	3.98



# Osma Waste

## PP Push-fit waste

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Bend – 45°</b>				
	♥	32	4W163B	15	3.98
	♥	32	4W163G	15	3.98
	♥	32	4W163W	15	3.98
	♥	40	5W163B	20	3.68
	♥	40	5W163G	20	3.68
	♥	40	5W163W	20	3.68
	♥	50	2W163G	5	7.59
	<b>Spigot Bend – 30°</b>				
	♥	32	4W166B	10	3.68
	♥	32	4W166W	10	3.68
	♥	40	5W166B	5	3.68
	♥	40	5W166G	5	3.68
	♥	40	5W166W	5	3.68
	<b>Spigot Bend – 90°</b>				
	♥	32	4W260B	10	4.24
	♥	32	4W260G	10	4.24
	♥	32	4W260W	10	4.24
	♥	40	5W260B	10	4.24
	♥	40	5W260G	10	4.24
	♥	40	5W260W	10	4.24
	♥	50	2W260W	5	7.02
	<b>Tee</b>				
	<b>Tee – 87.5°</b>				
	♥	32	4W190B	15	4.24
	♥	32	4W190G	15	4.24
	♥	32	4W190W	15	4.24
	♥	40	5W190B	10	3.69
	♥	40	5W190G	10	3.69
	♥	40	5W190W	10	3.69
	♥	50	2W190G	5	7.02
	♥	50	2W190W	5	7.02
	<b>Plug</b>				
	<b>Access Plug</b>				
	♥	32	4W292B	5	3.98
	♥	32	4W292G	5	3.98
	♥	32	4W292W	5	3.98
	♥	40	5W292B	5	3.68
	♥	40	5W292G	5	3.68
	♥	40	5W292W	5	3.68
	♥	50	2W292G	10	7.18
	♥	50	2W292W	10	7.18
	<b>Connectors and Adaptors</b>				
	<b>Universal Connector</b>				
	– for BS EN 1329, 1451, 1455 and 1566 pipe				
	♥	32	4W102B	10	7.59
	♥	32	4W102G	10	7.59
	♥	32	4W102W	10	7.59
	♥	40	5W102B	5	7.59
	♥	40	5W102G	5	7.59
	♥	40	5W102W	5	7.59
	♥	50	2W102G	10	7.30



	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Tank Connector</b> ♥	40	5W185B	5	4.72
<hr/>					
	<b>Reducers</b> <b>Reducer</b> – 1½" / 40mm x 1¼" / 32mm	40	5W084B	5	3.68
		40	5W084G	5	3.68
		40	5W084W	5	3.68
	<b>Reducer</b> – 2" / 50mm x 1¼" / 32mm	50	2W088G	5	6.27
		50	2W088W	5	6.27
	<b>Reducer</b> – 2" / 50mm x 1½" / 40mm	50	2W086G	5	7.02
		50	2W086W	5	7.02
	<b>Reducer</b> 32 x 21.5mm – Push-fit	32	1C344W	5	5.80
	40 x 21.5mm – Push-fit	40	1C346W	10	5.80
<hr/>					
	<b>Air Admittance Valve</b> <b>OsmaVent 40 Air Admittance Valve</b> – fits 1¼" / 32mm and 1½" / 40mm pipe	40	4S303W	1	92.32
<hr/>					












# Osma Waste

## Waste connectors and V-Joint traps

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Flexible Waste Pipe</b>					
	Flexible Connector	32	4V901W	1	26.47
	450mm	40	5V901W	1	27.02
	Spigot Connector – 165mm to 290mm	40	5V902W	1	19.67
<b>Bottle Traps</b>					
	Bottle Trap – 38mm seal	32	4V809W	1	19.38
		40	5V809W	1	25.75
	Bottle Trap – 75mm seal	32	4V812W	1	24.13
		40	5V812W	1	29.55
	Anti-Syphon Bottle Trap – 75mm seal	32	4V814W	1	32.18
		40	5V814W	1	40.61
	Resealing Bottle Trap – 75mm seal	32	4V816W	1	32.18
		40	5V816W	1	40.62
	Adjustable Bottle Trap – 75mm seal	32	4V808W	1	34.87
		40	5V808W	1	41.82
<b>Tubular Traps</b>					
	Tubular 'P' Trap – 75mm seal	32	4V801W	1	18.48
		40	5V801W	1	21.03
	Tubular 'S' Trap – 75mm seal	32	4V803W	1	22.62
		40	5V803W	1	33.88
	Adjustable Tubular 'P' Trap – 75mm seal	32	4V807W	1	27.43
		40	5V807W	1	31.95
	Variform Trap – 75mm seal	32	4V804W	1	34.69
	Running 'P' Trap – 75mm seal	40	5V805W	1	37.09











Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Straight Through Trap</b> – 75mm seal	32	4V825W	1	30.79
	<b>Swivel 'P' Trap</b>	32	4V811W	10	16.46
		40	5V811W	10	17.87
	<b>Bath Traps</b> <b>Bath Trap</b> – 38mm seal	40	5V802W	1	24.59
	<b>Bath Trap</b> – shallow seal	32	4V806W	1	20.09
		40	5V806W	1	16.68
	<b>Bath Trap</b> – 75mm seal	40	5V846W	1	31.20
	<b>Bath Trap and Overflow</b> – 75mm	40	5V848W	1	78.45
	<b>Anti-Syphon Bath Trap</b>	40	5V842W	1	34.24
	<b>Bath Trap Extended Body</b> – 60mm seal	40	5V860W	1	68.91
	<b>Shower Traps</b> <b>Shower Trap</b> – 19mm seal	40	5V823W	1	40.52






# Osma Waste

## Waste connectors and V-Joint traps

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Floor Gullies</b> Vinyl Floor Gully – 82mm outlet	82	2V411G	1	244.41
	<b>Floor Gully</b> – c/w stainless steel tile and grid	50	2V502G	1	138.86
	<b>Rubber Boss Adaptor *</b> – 2" / 50 plastic or copper pipe	32	2S498B	10	11.54
		40	2S499B	10	11.54
		50	2S503B	10	12.04
* for use with Osma 2V411 and 2V502 Floor Gullies only					
	<b>Stainless Steel Tile and Grid</b>	-	2V414G	1	154.39
	<b>Gully Funnel Bowl</b>	-	2V415G	1	19.59
	<b>Gully Extension Bowl</b>	-	2V416G	1	19.59
	<b>Gully Funnel</b>	-	2V418G	1	25.82
<b>Washing Machine Sink Traps</b>					
	<b>Washing Machine Half Trap</b> – 75mm seal	40	5V864W	1	37.25
	<b>Adjustable Sink Trap</b> – 75mm seal	40	5V869W	1	54.67
	<b>Tubular Swivel Sink Trap</b> – 40mm x 75mm (adjustable) with 19/22mm connection	40	5V407W	1	48.34
	<b>Washing Machine Trap Kit</b> Includes stand pipe and 2 brackets – 75mm seal	40	5V870W	1	31.85
	<b>Washing Machine Tee Piece</b>	40	5V871W	1	17.06









Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Ancillaries</b>					
	Conversion Bend – 90°	32	4A830W	20	6.65
	– for "P" Trap to convert to "S" Trap	40	5A830W	10	7.14
	Top Trap Washer	40	5V002W	50	2.15
	Bottle Trap Bowl Washer				
	– for 4V809/4V812, 5V809/5V812	32	4V003W	50	2.65



# Osma Condensate










## Condensate drainage

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Soakaway</b> Soakaway – 110mm OD with 21.5/32/40mm pipe connections	110	1V403G	1	103.97
<b>Connectors and Adaptors</b>					
	<b>Overflow to Waste Clamp</b> For connection to 32mm or 40mm Push-fit or Solvent Weld pipe	21.5	AO21 WH	1	32.24
	<b>Pipe Clamp</b> – 32/40mm waste and 21.5mm connection	21.5	1V402W	1	52.01
	<b>Tubular Swivel Trap</b> – 40mm x 75mm (adjustable) with 21.5mm connection	40	5V407W	1	48.34
	<b>Tubular Swivel Trap</b> – 40mm x 75mm (adjustable) with 21.5mm connection and washing machine nozzle	40	5V468W	1	55.45
	<b>Reducer</b> – to 21.5mm pipe – synthetic rubber	32	4Z343G	10	4.43



# Osma Overflow




## ABS / PVC-U Solvent Weld and PP Push-fit

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Pipe</b>				
	P/E Pipe				
	3.0m Solvent	21.5	1E073W	10	8.97
	4.0m Push-fit	21.5	1C074W	10	10.65
	<b>Pipe Clip</b> Solvent Push-fit	21.5	1E082W	10	1.41
	<b>Double Socket</b>				
	Solvent	21.5	1E104W	30	4.02
	Push-fit	21.5	1C104W	10	4.02
	<b>Bends</b>				
	Solvent – 90°	21.5	1E160W	10	4.17
	Push-fit – 90°	21.5	1C160W	30	3.90
	Solvent – 45°	21.5	1E166W	10	4.78
	Push-fit – 45°	21.5	1C163W	20	4.78
	Solvent – 25°	21.5	1E163W	10	4.78
	<b>Tee</b>				
	Solvent – 90°	21.5	1E190W	5	5.15
	Push-fit – 90°	21.5	1C190W	5	5.60
	<b>Tank Connectors</b> Straight Tank Connector	21.5	1E129W	5	6.27
	<b>Bent Tank Connector</b>				
	90° Solvent	21.5	1E139W	5	7.00
	90° Push-fit – cut off bend to convert to straight connector	21.5	1C139W	5	7.32
	<b>Reducers</b>				
	<b>Reducer Solvent Weld</b>				
	32x21.5mm	32	1E344B	5	5.80
	32x21.5mm	32	1E344W	5	5.80
	40x21.5mm	40	1E346B	5	5.80
	40x21.5mm	40	1E346W	5	5.80
	<b>Reducer Push-fit</b>				
	32x21.5mm	32	1C344W	5	5.80
	40x21.5mm	40	1C346W	10	5.80



# Osma Overflow





ABS / PVC-U Solvent Weld and PP Push-fit

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Cap and Lining</b> Cap and Lining	21.5	1E156W	20	5.80
	<b>Adaptors</b> <b>Compression Fitting Adaptor – straight</b> – for connection to BS 659 compression fitting and 23mm plastic overflow pipe.	21.5	1O158W	10	4.02
	<b>Compression Fitting Adaptor – 90°</b> – for connection to BS 659 compression fitting and 23mm plastic overflow pipe.	21.5	1O159W	10	4.78



# Osma Hep<sub>v</sub>O Waste





Hygienic self-sealing waste valves – Polypropylene

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Hep<sub>v</sub>O Hygienic Self Sealing Waste Valve</b>				
	Hep <sub>v</sub> O Valve	32 40	BV1 WH CV1 WH	10 10	34.58 34.58
	<b>Hep<sub>v</sub>O Knuckle Adaptor</b>				
	Hep <sub>v</sub> O 87.5° Knuckle Adaptor	32 40	BV11 WH CV11 WH	10 10	8.73 8.73
	<b>Hep<sub>v</sub>O Running Adaptor</b>				
	For installing Hep <sub>v</sub> O in a pipe run	32 40	BV3 WH CV3 WH	10 10	8.32 8.32
	<b>Hep<sub>v</sub>O Tundish Adaptor</b>				
	Hep <sub>v</sub> O Tundish Adaptor Kit	32	BV1/21 WH	5	46.75






# Osma Problem Solvers

## Flexible waste pipe

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Flexible Waste Pipe</b> – Smooth Bore – use with Spigot Connectors				
	3.0m	32	FBP3 WH	1	34.21
	3.0m	40	FCP3 WH	1	34.21
	6.0m	32	FBP6 WH	1	68.36
	6.0m	40	FCP6 WH	1	68.36
	<b>Spigot Connectors</b> – To Push-fit Waste	40	FCW6 WH	1	3.03
	– To Solvent Weld Waste				
		32	FSBW6 WH	10	3.03
		40	FSCW6 WH	10	3.03
	<b>Flexible Waste Connector</b> – Spigot : Spigot				
	Effective length				
	Fabricated length				
	– To Push-fit Waste 365	40	FCW30 WH	1	15.99
	Fabricated length				
	– To Solvent Weld Waste 365	40	FSCW30 WH	1	15.99


## Flexible soil pipe

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Flexible Pan Connector</b> – Long	110	S170 WH	1	56.52
	Nominal length 280mm, nominal extended length 920mm				
	<b>Flexible Pan Connector</b> – Short	110	S171 WH	1	54.18
	Nominal length 230mm, nominal extended length 670mm				
	<b>Flexible Pan Connector</b> – Extra Short	110	S172 WH	1	51.84
	Nominal length 195mm, nominal extended length 410mm				



# Osma Problem Solvers

## Condensate fittings

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Condensate Soakaway</b>	21.5	S951 BL	1	40.94



## Introduction to

# Wavin Industrial and Commercial systems

Wavin's range of hot and cold plumbing and soil and waste systems have been designed for industrial and commercial applications.

The range includes Wavin AS acoustic soil, ideal for multi-residential projects and Wavin Compact soil for when space is at a premium.

Wavin's industrial and commercial range is backed up by dedicated expert support for specifiers and contractors.

Products are available in packs or as singles.

## Key to abbreviations

B	Black	E	Olive
G	Grey	W	White

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.

SW/S – Fittings with one or more solvent sockets and one plain or special end.

D/SW – Fittings with solvent sockets at all ends.

## 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.

### **BRE Building Research Establishment**

BRE identifies products that have attained BRE approval.

### **WIS Water Industry Specification**

WIS identifies products that conform to Water Industry Specifications.



## Acceptance

### a) British Standards Institution

♥ Wavin Systems comply, where applicable, with the requirements of the following British Standards:

BS EN 1566-1: 2000 – Plastic piping systems for soil and waste discharge (low and high temperature) within the building structure – Chlorinated poly (vinyl chloride) (PVC-C).

ABS pipe clips to BS EN 1455.

BS EN 1453-1:2000 – Plastics piping systems with structured-wall pipes for soil and waste discharge (low and high temperature) inside buildings. Unplasticized poly (vinyl chloride) (PVC-U). Specifications for pipes and the system.

BS EN 1329: 2001 – Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure. Unplasticized poly(vinyl chloride) (PVC-U). Specifications for pipes, fittings and the system.

BS EN 1451-1: 2000 – Polypropylene waste pipe and fittings.

BS 6209: 1982 – Solvent cement for non pressure thermoplastics pipe systems.

BS EN 12380:2002 – Air admittance valves for drainage systems.

Requirements, test methods and evaluation of conformity.

### b) British Board of Agrément

The system has been awarded the following certificates:

86/1643 110 and 40 Air Admittance Valves.

89/2174 110mm Adjustable Bends.

### c) ♥WRAS

Hep2O is approved (certificate 1312005) – deemed safe for use in the supply of drinking water.

The Silicone Lubricant Spray has WRAS approval for use with potable water.

**Important note: Fittings of all product ranges must be ordered in their pack multiples as illustrated in price list.**







Email: [info@wavin.co.uk](mailto:info@wavin.co.uk)

Web: [www.wavin.co.uk](http://www.wavin.co.uk)













# Wavin AS+

## Acoustic Soil system – Astolan® and PVC-U

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Pipe</b>				
	S/S Pipe				
	3.0m	50	3080063	123	23.15
	0.15m	110	3080030	8	34.59
	2.0m	110	3080034	1	52.59
	3.0m	110	3080036	1	67.24
	0.15m	160	3080044	2	58.09
	3.0m	160	3080050	18	128.75
	<b>Couplers</b>				
	Double Socket Coupler				
		50	3080016	18	7.29
		110	3080012	8	23.96
		160	3080014	6	46.25
	<b>Bends</b>				
	Bends – 15°, 30°, 45°, 67°, 87°				
	15°	50	3079965	20	7.28
	30°	50	3079966	18	7.28
	45°	50	3079967	16	5.99
	67°	50	3079968	12	7.28
	87°	50	3079969	12	5.99
	15°	110	3079950	8	23.28
	30°	110	3079951	6	24.88
	45°	110	3079952	8	26.26
	67°	110	3079953	6	26.62
	87°	110	3079954	4	27.30
	15°	160	3079959	4	52.82
	30°	160	3079960	4	54.28
	45°	160	3079961	3	55.80
	87°	160	3079962	3	59.91
	<b>Long Bend – 45°</b>				
	45°	110	3080026	3	31.07
	<b>Branches</b>				
	Branch – 45° and 87°				
	45°	50/50	3079996	6	13.07
	87°	50/50	3079997	6	13.07
	45°	110/50	3079982	4	29.21
	87°	110/50	3079983	4	29.21
	45°	110/110	3079981	2	44.27
	87°	110/110	3079980	4	79.38
	45°	160/110	3079991	2	90.79
	87°	160/110	3079992	2	90.79
	45°	160/160	3079994	1	125.32
	<b>Double Branch – 87°</b>				
		110/110 /110	3080010	2	148.52

Note: Wavin AS+ is available in light grey.













	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	Corner Branch – 87°	110/110 /110	3080008	2	214.16
	Shower Double Branch – 87°	110/110 /50	3080095	2	97.64
	Shower Double Branch – 87° left	110/110 /50	3080096	2	97.64
	Shower Double Branch – 87° right	110/110 /50	3080097	2	97.64
<hr/>					
	<b>Soil &amp; Waste Connections</b> S/S Soil Manifold	110	3065902	1	80.71
	All-Fit Reducer – 40:32mm – 1½" / 40 x 1¼" / 32 for use with 3065902	40	4Z124W•	10	7.75
	All-Fit Reduction Bend – 50:40mm – 2" / 50 x 1½" / 40 for use with 3065902	50	2S355W•	10	12.11
	All-Fit 90° Spigot Bend – 50mm – 2" / 50 for use with 3065902	50	2S356W•	5	19.92
	Repair Coupler	110 160	3080088 3080090	8 6	16.58 48.29
	Long Socket	50 110 160	3080023 3080019 3080021	5 8 3	10.08 19.35 47.25

Note: Wavin AS+ is available in light grey. • OAG discount applies.



# Wavin AS+












## Acoustic Soil system – Astolan® and PVC-U

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	End Cap	50	3080106	24	6.77
		110	3080103	8	15.94
		160	3080105	8	58.66
	Reducer	110/50	3080078	6	16.60
		160/110	3080082	6	31.95
	Reducer	50/40	5Z124W	10	7.57
	Access Piece	50	3079917	6	26.44
		110	3079913	4	54.77
		160	3079915	2	129.97
<b>Accessories</b>					
	Wavin LKS-clamp	50	4065138	50	19.35
		110	4065141	20	19.35
		160	4065143	10	19.35
	Gasket EPDM	50	4065145	1	2.48
		110	4065188	1	2.06
		160	4065190	1	5.06
	Gasket NBR	50	4065192	1	2.48
		110	4025566	1	2.48
		160	4025568	1	2.48
	Wavin System Bracket	50	4066449	50	8.25
		110	4066452	25	11.79
		160	4066454	10	18.24
	M10 x 80mm Bolt		3020511	50	16.24
	Firecollar BM-R90	50	4026102	1	63.01
		110	4026106	1	94.00
		160	4026109	1	202.17



# Wavin Compact

## PVC-U Solvent Soil










	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
  	<b>Pipe</b>				
	P/E Pipe – 3.0m ♻️ ♻️	110	4S073E	2	85.30
	P/E Pipe – 4.0m ♻️	82	3S074G	2	132.15
	♻️ ♻️	110	4S074E	2	113.72
	♻️ ♻️	160	6S074E	2	397.87
<b>Brackets</b>					
	<b>Pipe Bracket</b> ♻️	82	3S082G	5	10.17
	♻️	110	4S082E	20	8.69
	♻️	160	6S082E	1	31.88
	<b>Socket Bracket</b> ♻️	82	3S083G	5	13.16
	♻️	110	4S083E	5	11.28
	<b>Pipe or Socket Bracket</b> – BZP coated steel ♻️	110	4S084	10	25.10
	♻️	160	6S084	1	52.96
<b>Suspended Bracketing System (Not suitable for damp inaccessible voids)</b>					
	<b>Adjustable Pipe Bracket Assembly</b> (pack containing threaded rod, threaded bracket, bracket plate and pipe/socket bracket) – BZP coated steel	110	4S086	1	81.57
		160	6S086	1	116.28
	<b>Adjustable Socket Bracket and Brace Assembly</b> (pack containing threaded rod, threaded bracket, bracket plate, two adjustable braces and pipe/socket bracket) – BZP coated steel	110	4S085	1	167.89
<b>Sockets</b>					
	<b>D/SW Double Socket</b> ♻️	110	4S104E	10	19.12
	♻️	160	6S104E	1	46.30
	<b>S/SW Single Socket</b> ♻️	82	3S124G	5	22.28
	♻️	110	4S124E	5	19.90
	♻️	160	6S124E	5	68.12
	<b>D/S Acoustic Socket</b> ♻️	110	4S125E	5	30.23

Note: ♻️ Recycore Technology applies to 110mm and 160mm sizes only.



# Wavin Compact

## PVC-U Solvent Soil

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Reducers</b> SW/S Reducer 110mm x 50mm ♥	110	4S496E	5	39.65
	160mm x 110mm ♥	160	6S499E	1	74.74
	<b>Expansion Cap</b> Expansion Cap – with integral ring–seal	110	4S416E	5	9.22
		160	6S416E	5	23.73
	<b>Bends</b> D/SW Bend 87.5° ♥	110	4S461E	5	51.82
	♥	160	6S461E	1	136.50
	45° ♥	110	4S463E	5	51.75
	♥	160	6S463E	1	139.81
	<b>SW/S Bend</b> 45° ♥	110	4S263E	5	56.05
	11.25° ♥	110	4S268E	5	54.08
	<b>SW/S Long Tail Bend – 87.5°</b> ♥	110	4S260E	5	59.54
	<b>Offset Bends</b> SW/S Offset Bend – 67.5° (Bottom) ♥	82	3S435G	5	47.15
	♥	110	4S435E	5	49.18
	<b>S/SW Offset Bend – 67.5° (Top)</b> ♥	82	3S440G	5	55.64
	♥	110	4S440E	5	67.47
	<b>D/SW Offset Bend – 67.5° (Top)</b> ♥	110	4S450E	5	54.88
	<b>Boss Adaptors</b> Solvent Weld – 90° ♥	40	2CS812SE	10	11.61
	♥	50	2CS813SE	10	16.51
	<b>Solvent Weld – Straight</b> ♥	32	2CS814SE	10	9.68
	♥	40	2CS815SE	10	8.94
	♥	50	2CS816SE	10	10.66










Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Branches</b>					
	D/SW Double 2-Boss Branch – 87° ♥	110	4CS829SE	1	183.37
	SW/S Double 2-Boss Branch – 87.5° ♥	110	4CS831SE	1	183.37
	D/SW Double 4-Boss Branch – 87.5° ♥	110	4CS832SE	1	183.37
	SW/S Double 4-Boss Branch – 87.5° ♥	110	4CS834SE	1	183.37
	SW/S Corner Branch – 87.5° ♥	110	4CS491SE	1	324.51
<b>Access Branch</b>					
	D/SW 2-Boss Access Branch – 87.5° ♥	110	4CS893SE	1	139.01
<b>Single Branches</b>					
	D/SW Single Branch 45° ♥	110	4S410E	5	82.81
	SW/S Single 3-Boss Branch – 87.5° ♥	110	4CS889SE	1	75.49
	D/SW Single 3-Boss Branch – 87.5° ♥	110	4CS890SE	5	73.26
	S/SW Single 3-Boss Branch – 87.5° ♥	110	4CS892SE	5	73.29
	D/SW Single Branch – 87.5° (No Bosses) ♥	160	6S490E	1	233.07











# Wavin Compact

## PVC-U Solvent Soil

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Single 5-Boss Branches</b> SW/S Single 5-Boss Branch – 87.5° ♥	110	4CS895SE	5	76.25
		110	4CS897SE	1	76.25
	<b>Soil Manifolds</b> 6 Boss Manifold	110	4S597E	1	82.87
	<b>Bossed Pipes</b> D/SW Short 3-Boss Pipe ♥	110	4CS588SE	1	18.95
	D/SW Bossed Pipe – plain (four boss sockets) ♥	110	4CS586SE	1	25.33
	SW/S Bossed Pipe – plain (four boss sockets) ♥	110	4CS585SE	5	25.33
	D/SW Bossed Pipe (Solvent Weld) – for 1¼" / 32mm BS EN 1329, 1455 and 1566 pipe ♥	110	4S483E	5	22.76
	– 1½" / 40mm BS EN 1329, 1455 and 1566 pipe ♥	110	4S484E	5	22.76
	<b>Strap Boss</b> Strap Boss ♥	110	4CS319SE	5	17.67
	<b>Access Fittings</b> D/SW Access Bend – 87.5° ♥	110	4S469E	5	130.60
















	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>D/SW 3-Boss Access Pipe</b> – with screwed access and three boss sockets ♥	110	4CS474SE	5	92.05
	<b>SW/S 3-Boss Access Pipe</b> – with screwed access and three boss sockets ♥ ♥	110 160	4CS574SE 6CS474SE	5 5	92.05 196.88
<b>Plugs</b>					
	<b>P/E Access Plug</b> ♥ ♥	82 110	3S292G 4S292E	5 1	44.02 41.20
	<b>SW/S Access Plug</b> ♥	110	4S492E	5	51.90
	<b>P/E Socket Plug</b> – with one boss socket ♥	110	4S296E	5	29.05
<b>Terminal Fittings</b>					
	<b>Balloon Grating</b>	82 110	3S302G 4S302E	5 5	16.02 12.20
	<b>Weathering Collar</b>	82 110	3S300G 4S300E	5 5	19.35 18.04
	<b>SW/S Vent Cowl</b> ♥	110	4S310E	1	61.61
<b>Roof Outlets</b>					
	<b>SW/S Domed Roof Outlet</b>	82 110	3S414G 4S414G	1 1	155.03 171.99



# Wavin Compact

## PVC-U Ring-seal soil

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
 	<b>Pipe</b>				
	S/S Pipe – 3.0m	82	3S043G	2	101.32
	♻️ ♻️	160	6S043E	10	330.26
	S/S Pipe – 4.0m	82	3S044G	2	132.67
	♻️ ♻️	110	4S044E	2	119.63
	<b>Sockets</b>				
	D/S Double Socket – for repairs	82	3S105G	5	38.23
	♻️ ♻️	110	4S105E	1	41.27
	♻️	160	6S105E	1	116.28
	<b>Connectors</b>				
	S/S Connector to CI or clay drain socket	110	4S107E	5	34.62
 	<b>Reducers</b>				
	S/S Reducer				
	82mm x 50mm	82	3S094G	5	46.70
	♻️				
	110mm x 50mm	110	4S096E	5	43.95
	♻️				
	110mm x 82mm	110	4S095E	5	40.31
	♻️				
	160mm x 110mm	160	6S099E	1	103.18
	♻️				
  	<b>Bends</b>				
	S/S Bend				
	87.5°	82	3S161G	5	45.26
	♻️ ♻️	110	4S161E	5	52.70
	67.5°	82	3S162G	5	56.43
	♻️				
	45°	82	3S163G	5	45.26
	♻️				
	<b>Adjustable Bends</b>				
	S/S Adjustable Bend – 30°	110	4S173E	1	66.20
	⚠️				

Note: ♻️ Recycore Technology applies to 110mm and 160mm sizes only.










	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Boss Adaptors</b> Push-fit – 90° ♥	32	2CS801SE	10	16.51
	♥	40	2CS802SE	10	16.51
	Push-fit – Straight ♥	32	2CS804SE	10	9.68
	♥	40	2CS805SE	10	9.68
	<b>Branches</b> S/S Double 2-Boss Branch – 87.5° ♥	110	4CS830SE	1	186.01
	<b>Variable 6-Boss Branch</b> S/S 110mm Variable 6-Boss Branch – 87.5° ♥	110	4CS852SE	5	155.48
	<b>Single Branches</b> S/S Single 2-Boss Branch – 87.5° ♥	82	3CS190SG	5	80.55
	S/S Single 3-Boss Branch – 87.5° ♥	110	4CS891SE	5	74.39
	<b>Single 5-Boss Branches</b> S/S Single 5-Boss Branch – 87.5° ♥	110	4CS896SE	5	96.41
	<b>Unequal Single 5-Boss Branch</b> D/S Unequal Single 5-Boss Branch – 87.5° ♥	160	6CS897SE	1	179.81
	<b>Unequal Junctions</b> S/S Unequal Junction 45° ♥	160	6CS218SE	1	322.30



# Wavin Compact






## PVC-U Ring-seal soil

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
   	<b>Manifolds</b> Soil Manifold System ♥	110	4S595E	1	91.12
	<b>All-Fit Reducer – 40:32mm</b> – 1½" / 40 x 1¼" / 32 for use with 4S595	40	4Z124W	10	7.75
	<b>All-Fit Reduction Bend – 50:40mm</b> – 2" / 50 x 1½" / 40 for use with 4S595	50	2S355W	10	12.11
	<b>All-Fit 90° Spigot Bend – 50mm</b> – 2" / 50 for use with 4S595	50	2S356W	5	19.92
 	<b>Bossed Pipes</b> S/S Bossed Pipe – plain with one boss socket ♥	82	3CS649SG	10	43.20
	<b>S/SW Bossed Pipe</b> – plain (four boss sockets) ♥	110	4CS590SE	5	36.70
	<b>Access Fittings</b> S/S Access Pipe – no bosses ♥	82	3S274G	5	88.93



# Wavin Compact






## PVC-C Solvent Weld waste

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Pipe</b>				
	P/E Pipe – 3.0m				
	♥	32	4M073B	10	28.37
	♥	32	4M073E	10	28.37
	♥	32	4M073W	10	28.37
	♥	40	5M073B	10	30.95
	♥	40	5M073E	10	30.95
	♥	40	5M073W	10	30.95
	♥	50	2M073B	5	47.62
	♥	50	2M073E	10	47.62
	♥	50	2M073W	5	47.62
	<b>Bracket</b>				
	Pipe Bracket				
	♥	32	4M081B	40	1.30
	♥	32	4M081E	40	1.30
	♥	32	4M081W	20	1.30
	♥	40	5M081B	35	1.32
	♥	40	5M081E	35	1.32
	♥	40	5M081W	35	1.32
	♥	50	2M081B	10	2.68
	♥	50	2M081E	20	2.68
	♥	50	2M081W	10	2.68
	<b>Sockets</b>				
	Double Socket				
	♥	32	4M104B	10	5.34
	♥	32	4M104E	20	5.34
	♥	32	4M104W	10	5.34
	♥	40	5M104B	10	6.73
	♥	40	5M104E	20	6.73
	♥	40	5M104W	10	6.73
	♥	50	2M104B	5	10.92
	♥	50	2M104E	10	10.92
	♥	50	2M104W	5	10.92
	<b>Expansion Socket</b>				
	– with solvent socket tail				
	♥	32	4M124E	10	11.28
	♥	32	4M124W	10	11.28
	♥	40	5M124E	10	11.78
	♥	40	5M124W	10	11.78
	♥	50	2M124E	5	21.05
	♥	50	2M124W	5	21.05
	<b>Bends</b>				
	Knuckle Bend – 90°				
	♥	32	4M160B	30	7.98
	♥	32	4M160E	30	7.98
	♥	32	4M160W	30	7.98
	♥	40	5M160B	30	9.39
	♥	40	5M160E	30	9.39
	♥	40	5M160W	30	9.39
	♥	50	2M160B	5	16.77
	♥	50	2M160E	5	16.77
	♥	50	2M160W	5	16.77




# Wavin Compact

## PVC-C Solvent Weld waste

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Bend – 87.5°</b>				
	♥	32	4M161B	10	9.76
	♥	32	4M161E	10	9.76
	♥	32	4M161W	10	9.76
	♥	40	5M161B	40	11.78
	♥	40	5M161E	40	11.78
	♥	40	5M161W	40	11.78
	♥	50	2M161B	5	16.38
	♥	50	2M161E	5	16.38
	♥	50	2M161W	5	16.38
	<b>Bend – 45°</b>				
	♥	32	4M163B	10	7.41
	♥	32	4M163E	10	7.41
	♥	32	4M163W	10	7.41
	♥	40	5M163B	20	8.33
	♥	40	5M163E	20	8.33
	♥	40	5M163W	20	8.33
	♥	50	2M163B	5	14.08
	♥	50	2M163E	5	14.08
	♥	50	2M163W	5	14.08
	<b>Spigot Bend – 90°</b>				
	♥	32	4M260B	5	10.30
	♥	32	4M260E	5	10.30
	♥	32	4M260W	5	10.30
	♥	40	5M260B	10	12.43
	♥	40	5M260E	10	12.43
	♥	40	5M260W	10	12.43
	♥	50	2M260B	5	18.48
	♥	50	2M260E	5	18.48
	♥	50	2M260W	5	18.48
	<b>Tees</b>				
	<b>Tee – 87.5°</b>				
	♥	32	4M190B	5	12.75
	♥	32	4M190E	5	12.75
	♥	32	4M190W	5	12.75
	♥	40	5M190B	15	14.53
	♥	40	5M190E	15	14.53
	♥	40	5M190W	15	14.53
	♥	50	2M190B	5	22.64
	♥	50	2M190E	5	22.64
	♥	50	2M190W	5	22.64
	<b>Plug</b>				
	<b>Access Plug</b>				
	♥	32	4M292B	5	7.89
	♥	32	4M292E	5	7.89
	♥	32	4M292W	5	7.89
	♥	40	5M292B	5	7.75
	♥	40	5M292E	5	7.75
	♥	40	5M292W	5	7.75
	♥	50	2M292B	5	13.47
	♥	50	2M292E	5	13.47
	♥	50	2M292W	5	13.47



















Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Reducers</b>				
	<b>Reducer</b>				
	1½" / 40mm x 1¼" / 32mm				
	♥	40	5M455B	10	4.96
	♥	40	5M455E	10	4.96
	♥	40	5M455W	10	4.96
	2" / 50mm x 1¼" / 32mm				
	♥	50	2M458B	5	9.36
	♥	50	2M458E	5	9.36
	♥	50	2M458W	5	9.36
	2" / 50mm x 1½" / 40mm				
	♥	50	2M456B	5	9.36
	♥	50	2M456E	5	9.36
	♥	50	2M456W	5	9.36









# Wavin Compact

## Accessories – WC connectors

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>WC Manifold Branches (for WC to BS 5503)</b>					
	S/SW Manifold Branch – Straight ♥	110	4S601W	1	262.58
	S/SW Manifold Branch – 8° (LH) ♥	110	4S602W	1	262.58
	(RH) ♥	110	4S612W	1	262.58
	S/SW Manifold Branch – 15.5° (LH) ♥	110	4S603W	1	262.58
	(RH) ♥	110	4S613W	1	262.58
	S/SW Manifold Branch – 23° (LH) ♥	110	4S604W	1	262.58
	(RH) ♥	110	4S614W	1	262.58
	S/SW Manifold Branch – 30.5° (LH) ♥	110	4S605W	1	262.58
	(RH) ♥	110	4S615W	1	262.58
	S/SW Manifold Branch – 38° (LH) ♥	110	4S606W	1	262.58
	(RH) ♥	110	4S616W	1	262.58
<b>WC Connectors (for WCs to BS 5503)</b>					
	P/E WC Connector – 2.5° ♥	110	4S791W	10	39.89
	SW/S WC Connector – 2.5° ♥	110	4S792W	5	42.21
	P/E WC Connector – 14° ♥	110	4S711W	5	47.30
	P/E WC Connector – 90° ♥	110	4S771W	10	67.68
	SW/S WC Connector – 90° ♥	110	4S772W	10	58.74



	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>WC Connectors and Gaskets</b> (for WCs to BS 1213) SW/S WC Connector – 87.5° ♻️	110	4S745W	5	52.47
	 WC Gasket – for WC spigots from 4" to 4¼"	110	4S121W	10	24.27
	 WC Gasket – for WC spigots from 4¼" to 4½"	110	4S120W	10	22.76
 	<b>WC Connectors – Ancillaries</b> S/S Long Tail Bend – 87.5° ♻️	110	4S790W	5	67.47
	P/E Pipe – 600mm length				
	 ♻️ ♻️	110	4S600W	1	38.28













## Accessories – WC connectors: Easy-fit

	Description	Nom dia inch	Cat no	Pack qty	Price £ per piece
    	<b>Easy-Fit Pan Connectors</b> Style 1 – Straight	3½in 4in	WC003W WC004W	1 1	28.56 21.16
	Style 1 – Offset	4in	WC204W	1	25.97
	Style 1 – 14°	4in	WC144W	1	27.32
	Style 90°	4in	WC904W	1	30.34
	Straight Extension Piece	4in	WC404W	1	26.01



# Wavin Compact












## Accessories

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Air Admittance Valves</b>					
	OsmaVent 40 Air Admittance Valve – fits 1¼" / 32mm and 1½" / 40mm pipe ▲	40	4S303W	1	92.32
	OsmaVent Air Admittance Valve – can also be adapted to fit 82mm soil ▲	110	4S304W	1	208.64
<b>Pipe Flashings</b>					
	VariPitch Pipe Flashing – 400mm x 400mm – for flat roofs		4S281G	5	165.94
	– 450mm x 450mm – for pitched roofs		4S283G	5	159.84
<b>Connectors</b>					
	Internal Drain Connector – for 32mm/40mm waste pipe	110	4S298	5	20.20
	– for 50mm waste pipe	110	4S299	5	23.26
	Female Iron Connector – solvent weld socket and BSPT socket	32 40	4Z127W 5Z127W	5 10	10.81 11.43
	Male Iron Connector – SW/S and BSPT spigot				
	♥	32	4Z128W	5	10.21
	♥	40	5Z128W	10	10.81
	♥	50	2Z128W	5	13.46
<b>Spares</b>					
	Snap Cap	82	3S116G	1	2.65
<b>Cleaners, Solvent Cements, Lubricants</b>					
	Degreasing Cleaner No.1 – 250ml can	–	4S380G	10	21.93
	Solvent Cement No. 2 – 250ml can	–	4S384G	10	34.20
	♥ – 500ml can	–	4S385G	10	74.44
	Silicone Lubricant – 50g tube	–	4S391G	5	28.54
	Silicone Lubricant Spray – 400ml can	–	4S392	1	49.68



# Wavin Compact







## Water seal traps

Description		Nom Dia mm	Cat No	Pack Qty	Price Each £
<b>Tubular Traps</b>					
	<b>Tubular 'P' Outlet</b> – Fixed 19mm shallow seal	32	4V806W	1	20.09
		40	5V806W	1	16.68
	<b>Tubular 'P' Outlet</b> – Lowline bath 50mm seal	40	5V802W	1	24.59
	<b>Tubular 'P' Outlet</b> – Swivel, 76mm seal	32	4V801W	1	18.48
		40	5V801W	1	21.03
	<b>Tubular 'P' Outlet</b> – Swivel, 76mm seal c/w cleaning eye	40	5V846W	1	31.20
	<b>Tubular 'P' Outlet</b> – Swivel, 76mm seal telescopic maximum 40mm extension	40	5V807W	1	31.95
	<b>Tubular 'Running'</b> – Swivel, 76mm seal	40	5V805W	1	37.09
	<b>Tubular 'S' Outlet</b> – Swivel, 76mm seal	32	4V803W	1	22.62
		40	5V803W	1	33.88
	<b>Pedestal Trap</b> – Fixed, 76mm seal	32	4V825W	1	30.79
	<b>Bottle 'P' Outlet</b> 38mm seal	32	4V809W	1	19.38
		40	5V809W	1	25.75
	<b>Bottle 'P' Outlet</b> 76mm seal	32	4V812W	1	24.13
		40	5V812W	1	29.55
	<b>Bottle 'P' Outlet</b> – 76mm seal telescopic maximum 100mm extension	40	5V808W	1	41.82



# Wavin Compact










## Water seal traps

Description		Nom Dia mm	Cat No	Pack Qty	Price Each £
	Bottle 'P' Anti-Syphon – 76mm seal	32	4V814W	1	32.18
		40	5V814W	1	40.61
<b>Washing Machine Traps</b>					
	Washing Machine Trap Kit – 76mm seal c/w 0.6m pipe	40	5V870W	1	31.85
	Washing Machine Half Trap – Swivel 76mm seal	40	5V864W	1	37.25
	Washing Machine Tee	40	5V871W	1	17.06
<b>Cap and Lining</b>					
	Cap and Lining – BSP Male Iron Tail Unequal ends, 1 1/4" – 32mm to 1 1/2" – 40mm ♥	32	4Z363W	10	7.93
	Unequal ends, 1 1/2" – 40mm to 1 1/4" – 32mm ♥	40	5Z363W	10	7.93
<b>Spigot Bend</b>					
	Spigot Bend – 87.5° – Varifix socket to convert 'P' to 'S' outlet	32	4A830W	20	6.65
		40	5A830W	10	7.14



# Wavin Compact





## Overflow

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Pipe</b> P/E Pipe – 3.0m solvent	21.5	1E073W	10	8.97
	<b>Pipe Clip</b> Solvent	21.5	1E082W	10	1.41
	<b>Double Socket</b> Solvent	21.5	1E104W	30	4.02
	<b>Bends</b> Solvent				
	90°	21.5	1E160W	10	4.17
	45°	21.5	1E166W	10	4.78
	25°	21.5	1E163W	10	4.78
	<b>Tee</b> Solvent – 90°	21.5	1E190W	5	5.15
	<b>Tank Connectors</b> Straight Tank Connector	21.5	1E129W	5	6.27
	Bent Tank Connector – 90° Solvent	21.5	1E139W	5	7.00
	<b>Reducers</b> Solvent				
	32 x 21.5mm reducer	32	1E344W	5	5.80
	40 x 21.5mm reducer	40	1E346W	5	5.80
	<b>Cap and Lining</b> Cap and Lining	21.5	1E156W	20	5.80



# Wavin Compact




## Condensate drainage

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Soakaway</b> – 110mm OD with 21.5/32/40mm pipe connections	110	1V403G	1	103.97
<b>Connectors and Adaptors</b>					
	<b>Pipe Clamp</b> – 32/40mm waste and 21.5mm connection	21.5	1V402W	1	52.01
	<b>Tubular Swivel Trap</b> – 40mm x 75mm (adjustable) with 21.5mm connection	40	5V407W	1	48.34
	<b>Tubular Swivel Trap</b> – 40mm x 75mm (adjustable) with 21.5mm connection and washing machine nozzle	40	5V468W	1	55.45



# Wavin HDPE

## Soil, waste and vent







Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Pipe</b>				
	PE Pipe – 3.0m	110	3075609	1	40.74
	PE Pipe – 5.0m	40	3003465	1	19.29
		50	3003466	1	22.85
		56	3003477	1	26.91
		63	3003467	1	31.44
		75	3003468	1	36.35
		90	3003458	1	54.18
		110	3003459	1	67.89
		125	3003460	1	97.67
		160	3003461	1	152.63
		200	3003462	1	203.56
		250	3003463	1	324.24
		315	3003464	1	504.01
<b>Reducers</b>					
	Concentric Reducer	50/40	3084576	40	3.26
		56/50	3003820	20	3.26
		63/40	3003796 <sup>Δ</sup>	20	4.40
		63/50	3003797 <sup>Δ</sup>	20	4.40
		63/56	3003798	20	3.24
		75/50	3003800 <sup>Δ</sup>	20	4.76
		75/63	3003801 <sup>Δ</sup>	20	4.76
		90/50	3003803 <sup>Δ</sup>	20	4.89
		90/63	3003804 <sup>Δ</sup>	20	5.99
		90/75	3003805 <sup>Δ</sup>	20	5.99
		110/50	3003807 <sup>Δ</sup>	10	5.99
		110/56	3003858	10	5.93
		110/63	3003808	10	5.99
		110/75	3003809	10	5.99
		110/90	3003810	10	5.93
		125/63	3003812 <sup>Δ</sup>	20	9.53
		125/110	3003815	10	9.53
		160/110	3003816	5	10.57
		160/125	3003817 <sup>Δ</sup>	5	10.57
		200/160	3018808*	1	67.21
		250/200	3018809*	1	176.62
		315/250	3018810*	1	244.67
	Eccentric Reducer	50/40	3003821	20	3.51
		56/50	3003841	20	3.84
		63/40	3003822Q <sup>Δ</sup>	20	4.04
		63/50	3003823Q	20	4.04
		63/56	3003842Q	20	4.04
		75/40	3003824	20	4.62
		75/50	3003825	20	4.64
		75/56	3003843	20	4.63
		75/63	3003826	20	4.64
		90/50	3003827Q <sup>Δ</sup>	20	5.71
		90/63	3003828	20	6.21

Note: \* = Segment Welded, <sup>Δ</sup> = Available on a made to order basis. Please contact us regarding lead times.










# Wavin HDPE

## Soil, waste and vent

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	Eccentric Reducer – continued	90/75	3003829	20	6.25
		110/40	3003830	20	6.78
		110/50	3003831	20	6.61
		110/56	3003835	20	6.76
		110/63	3003832	20	6.78
		110/75	3003833	20	6.79
		110/90	3003834	20	6.75
		125/75	3003836Q <sup>Δ</sup>	10	11.25
		125/90	3003837Q	10	11.25
		125/110	3003838Q	10	11.25
		160/110	3003839	5	14.82
	Eccentric Reducer – Long	160/125	3003840	5	14.83
		200/110	3018811	5	108.66
		200/125	3018812	1	107.64
		200/160	3018813	1	107.64
		250/200	3070632*	1	171.56
		315/200	3014918*	1	244.67
	Elbows Elbow 15°	315/250	3003856*	1	243.65
		110	3017993	20	24.49
		160	3043453 <sup>Δ</sup>	1	41.33
		200	3043454 <sup>Δ</sup>	1	47.57
		250	3043455 <sup>Δ</sup>	1	77.99
	Elbow 30°	315	3043457 <sup>Δ</sup>	1	111.86
		110	3003576	20	24.87
		160	3003584	5	38.01
	Elbow 45°	40	3084563	10	2.65
		50	3084565	10	2.68
		56	3003597	20	3.18
		63	3003569	20	4.05
		75	3003572	20	5.13
		90	3003574	20	7.44
		110	3003577	25	7.28
		125	3003582	10	11.94
		160	3003585	5	31.04
		200	3018820	5	86.31
		250	3018821*	1	141.10
		315	3018822* <sup>Δ</sup>	1	195.02
	Elbow 45° Long Tail	110	3075824 <sup>Δ</sup>	6	8.97

Note: \* = Segment welded, † = Swept type, Δ = Available on a made to order basis.  
Please contact us regarding lead times.





Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	Elbow 88.5°	40	3084564 <sup>†</sup>	10	2.67
		50	3084566 <sup>†</sup>	10	3.57
		56	3003598	20	3.57
		63	3003570 <sup>†</sup>	20	4.46
		75	3003573 <sup>†</sup>	20	6.33
		90	3003575	20	9.02
		110	3003579 <sup>†</sup>	20	9.77
		125	3003583 <sup>†</sup>	10	15.67
		160	3003587 <sup>†</sup>	5	40.22
	Elbow 90° Welded	160	3003943	10	30.26
	Elbow 90° Segment Welded	200	3018818*	1	149.29
		250	3017978*	1	249.13
		315	3018819* <sup>Δ</sup>	1	363.58
	Elbow 90° Extended	40	3084577	10	2.65
		50	3084567	10	3.16
		56	3003944	20	3.78
		63	3003601 <sup>Δ</sup>	20	5.57
		75	3003622	25	6.75
		90	3003602	25	9.02
		110	3003603	20	8.97
		125	3003605 <sup>Δ</sup>	10	16.48
	<b>Airmix</b> HDPE Airmix "sovent"	110	3003791 <sup>Δ</sup>	23	107.45
		160	4042219 <sup>Δ</sup>	10	366.86
	<b>Branches</b> Swept Branch 88.5°	110	3003792	10	14.88
		90/50	3018005 <sup>Δ</sup>	10	32.15
		100/50	3003730 <sup>Δ</sup>	10	22.11
		110/110	3003728	5	24.65
	Branch 45°	40/40	3084570	20	6.51
		50/40	3084574	25	6.75
		50/50	3084572	25	6.71
		56/50	3003725Q	20	6.15
		56/56	3003724	20	6.38
		63/40	3003635Q <sup>Δ</sup>	20	6.84

Note: \* = Segment welded, <sup>†</sup> = Swept type, <sup>Δ</sup> = Available on a made to order basis.  
Please contact us regarding lead times.








## Wavin HDPE

## Soil, waste and vent

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	Branch 45° – continued				
		63/50	3003637Q	20	7.23
		63/56	3003639Q	20	4.61
		63/63	3003633	20	7.04
		75/40	3003643Q	20	9.08
		75/50	3003645Q	20	8.61
		75/56	3003649	20	7.87
		76/63	3003647Q	20	6.01
		75/75	3003641	20	7.83
		90/40	3003654Q	10	11.78
		90/50	3003656Q	10	13.47
		90/63	3003658Q <sup>Δ</sup>	10	16.38
		90/75	3003660Q <sup>Δ</sup>	10	17.60
		90/90	3003651Q <sup>Δ</sup>	15	15.87
		110/40	3003664 <sup>Δ</sup>	10	13.07
		110/50	3003666	10	13.43
		110/56	3003674	10	13.01
		110/63	3003668	10	13.43
		110/75	3003670	10	13.56
		110/90	3003672Q <sup>Δ</sup>	10	16.51
		110/110	3003662	15	13.64
		125/50	3003678Q	10	24.37
		125/63	3003679 <sup>Δ</sup>	10	17.91
		125/75	3003681Q <sup>Δ</sup>	10	22.13
		125/90	3003683Q <sup>Δ</sup>	10	24.95
		125/110	3003685	10	17.91
		125/125	3003676 <sup>Δ</sup>	5	18.09
		160/110	3003688	5	62.30
		160/125	3003690 <sup>Δ</sup>	5	62.36
		160/160	4009725	5	61.49
		200/110	3070633*	5	134.08
		200/125	3018824Q <sup>Δ</sup>	1	145.32
		200/160	3070634*	5	140.03
		200/200	3070630*	5	201.04
		250/110	3003705*	1	224.42
		250/125	3003707Q <sup>Δ</sup>	1	187.38
		250/160	3003709*	1	248.35
		250/200	3003710*	1	248.51
		250/250	3018826*	1	341.98
		315/110	3003723*	1	396.75
		315/125	3018827 <sup>Δ</sup>	1	293.54
		315/160	3018828*	1	396.50
		315/200	3003718*	1	415.23
		315/250	3003719*	1	420.37
		315/315	3018829*	1	501.56
	Branch 88.5°	40/40	3084571	20	5.29
		50/40	3084575	20	6.76
		50/50	3084573	20	6.75
		56/50	3003726	20	6.75
		56/56	3003727	20	6.73
		63/50	3003638	20	6.99
		63/63	3003634 <sup>Δ</sup>	20	8.31
		75/50	3003646 <sup>Δ</sup>	20	8.26
		75/56	3003650	20	8.26

Note: \* = Segment Welded, <sup>Δ</sup> = Available on a made to order basis. Please contact us regarding lead times.









Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	Branch 88.5° – continued	75/63	3003648 <sup>Δ</sup>	20	10.53
		75/75	3003642	20	8.31
		90/40	3003655	10	10.57
		90/50	3003657	10	10.53
		90/63	3003659 <sup>Δ</sup>	10	10.53
		90/75	3003661 <sup>Δ</sup>	10	15.44
		90/90	3003652	10	10.50
		110/40	3003665	10	12.53
		110/50	3003667	10	12.53
		110/56	3003675	10	12.95
		110/63	3003669 <sup>Δ</sup>	10	12.95
		110/75	3003671	10	12.07
		110/90	3003673 <sup>Δ</sup>	10	12.95
		110/110	3003663	15	12.12
		125/63	3003680 <sup>Δ</sup>	10	18.02
		125/110	3003686 <sup>Δ</sup>	10	18.02
		125/125	3003677	10	18.02
		160/110	3003689	5	67.32
		160/125	3003691 <sup>Δ</sup>	5	51.46
		160/160	3003687	5	66.64
		200/110	3003698*	20	134.08
		200/125	3018832 <sup>Δ</sup>	1	190.79
		200/160	3003702*	1	133.51
		200/200	3018831*	1	133.51
		250/110	3018002*	1	190.79
		250/125	3018832 <sup>Δ</sup>	1	190.79
		250/160	3018003*	1	192.02
		250/200	3018833*	1	192.58
		250/250	3003704*	1	191.88
		315/110	3018834 <sup>*Δ</sup>	1	224.42
		315/125	3003716 <sup>Δ</sup>	1	224.42
		315/160	3018835 <sup>*Δ</sup>	1	224.42
		315/200	3018836 <sup>*Δ</sup>	1	226.55
		315/250	3018837 <sup>*Δ</sup>	1	225.89
		315/315	3003713 <sup>*Δ</sup>	1	271.78
	<b>Boss Pipe</b> Boss Pipe – Four Way Extended Spigot	110/56	3075823	6	38.67
<b>Connectors and Adaptors</b>					
	Universal Connector				
	♥	40	5W102G •	5	7.59
	Expansion Socket – with Solvent Socket Tail				
	♥	50	2W102G •	10	7.30
	Long-Tail Bend – 87.5°				
		50	2Z124W •	5	13.14
		50	2Z359G •	5	15.37

• OAG discount applies.











# Wavin HDPE

## Soil, waste and vent

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	Rubber Boss Adaptor	56/32	4063088 <sup>Δ</sup>	1	9.64
		56/40	4063089 <sup>Δ</sup>	1	9.77
	<b>Brackets</b> Galvanised HDPE Bracket M10 Connection	40	4012113	10	3.89
		50	4012117	10	5.37
		56	4063090 <sup>Δ</sup>	1	5.51
		63	4012121 <sup>Δ</sup>	10	5.63
		75	4012125	10	5.85
		90	4012131	10	6.28
		110	4012137	10	6.87
		125	4012141	10	7.21
		160	4012146	10	8.03
	Bracket Insert	40	4012329	50	3.56
		50	4012331	50	7.13
		56	4063093 <sup>Δ</sup>	25	7.30
		63	4012333 <sup>Δ</sup>	50	8.56
		75	4012335	50	7.30
		90	4012337	50	7.52
		110	4012339	50	5.82
		125	4012341 <sup>Δ</sup>	50	7.92
		160	4012343	50	6.55
		200	4012345	20	27.93
		250	4023375	20	32.86
		315	4023376	20	37.45
	Galvanised HDPE Bracket	50 x ½"	4012118	10	6.25
		56 x ½"	4063094 <sup>Δ</sup>	50	6.84
		63 x ½"	4012122	10	6.84
		75 x ½"	4012126	10	6.90
		90 x ½"	4012132	10	7.91
		110 x ½"	4012138	10	7.98
		125 x ½"	4012142	10	7.87
		160 x ½"	4012147	10	9.77
		200 x 1"	4012151	10	29.10
		250 x 1"	4012155	10	29.50
	Mounting Plate	M10	4063092 <sup>Δ</sup>	50	5.10
		G ½"	4012326	50	5.10
	<b>Fire Collar</b> Fire Collar EFM	40	4063766	1	17.97
		50	4063767	1	17.97
		63	4063768	1	17.97
		75/78	4063769	1	22.85
		90	4063770 <sup>Δ</sup>	1	22.85
		110	4026438	1	24.54
		125	4026439 <sup>Δ</sup>	1	25.47
		160	4063772	1	38.39
		200	4026441 <sup>Δ</sup>	1	125.29
		250	4026442 <sup>Δ</sup>	1	260.50








Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Spherical Branches</b>					
	Spherical Branch, 2 Stubs Type A – 180°	110/110	3003755	5	45.53
	Type B – 90°	110/110	3003756	5	45.15
	Spherical Branch, 3 Stubs Type E – 90°	110/110	3003776 <sup>Δ</sup>	5	54.96
	Spherical Branch, 4 Stubs Type F – 90°	110/110	3003777	5	61.00
<b>Access Tees</b>					
	Access Tee 45°	110/110	3003739	5	38.79
		125	3003741 <sup>Δ</sup>	5	48.53
		160/110	3003743	5	95.87
	Access Tee 88.5°	50	3003732 <sup>Δ</sup>	10	20.94
		63	3003734 <sup>Δ</sup>	10	26.67
		75/75	3003736	10	29.23
		90	3003738Q <sup>Δ</sup>	10	40.44
		110/110	3003740	10	40.22
		125	3018815Q <sup>Δ</sup>	10	35.62
		160/110	3070631*	5	95.07
		200/110	3017974*	1	158.12
		250/110	3017975*	1	203.18
		315/110	3017976*	1	245.41
<b>Toilet Connectors</b>					
	Wall Mounted Toilet Connector	90/90	3003550 <sup>Δ</sup>	10	24.57
		110/110	3003554 <sup>Δ</sup>	10	23.95
	Wall Mounted Toilet Connector Elbow 90° for hanging toilets	90/90	3003619 <sup>Δ</sup>	10	46.12
		110/90	3018007 <sup>Δ</sup>	10	45.95
		110/110	3003620 <sup>Δ</sup>	10	45.81
	Wall Mounted Double Toilet Connector Elbow 90°	110/110	3003621 <sup>Δ</sup>	5	92.59

**Note:** \* = Segment Welded, <sup>Δ</sup> = Available on a made to order basis. Please contact us regarding lead times.









# Wavin HDPE

## Soil, waste and vent

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Electro-fusion Coupler</b> – Universal Type (WAVIDUO)	40	3003478	20	6.11
		50	3003479	20	6.25
		56	3003489	20	6.26
		63	3003480	20	6.46
		75	3003481	20	8.99
		90	3003482	20	8.76
		110	3003483	20	9.20
		125	3003484	10	16.27
		160	3003485	24	21.06
		200	4061068	6	156.15
		250	4064881	2	261.30
		315	4064882	2	297.35
	<b>Sockets, Caps and Flange Adaptors</b> Push-fit Socket with Gasket and Cap	40/40	3084561	10	4.48
		50/50	3084562	10	5.35
		56/56	3003493	20	5.98
		63/63	3003494 <sup>Δ</sup>	20	5.98
		75/75	3003495	20	8.50
		90/90	3003496 <sup>Δ</sup>	20	8.50
		110/110	3003497	20	10.78
		125/125	3003498 <sup>Δ</sup>	10	17.17
		160/160	3003499	18	33.88
	<b>Expansion Socket with Gasket and Cap</b>	40/40	3003505	20	11.83
		50/50	3003506	20	11.68
		56/56	3018008	15	11.17
		63/63	3003507	20	13.98
		75/75	3003508	20	14.85
		90/90	3003509	10	15.23
		110/110	3003510	20	15.62
		125/125	3003511 <sup>Δ</sup>	10	23.74
		160/160	3003512	5	43.10
		200/200	3003513*	15	199.76
	<b>Complete Screw Connection</b>	250/250	3070629	1	293.48
		315/315	3003515	1	506.20
		40	3003905 <sup>Δ</sup>	20	7.54
		50	3003935 <sup>Δ</sup>	20	7.54
		63	3003936 <sup>Δ</sup>	10	12.83
		75	3003937 <sup>Δ</sup>	10	12.83
	<b>Complete Closing Cap</b>	110	3003938 <sup>Δ</sup>	10	21.21
		40	3003869	10	7.94
		50	3003870	10	8.06
		63	3003871 <sup>Δ</sup>	10	8.06
		75	3082542	10	18.85
		90	3003872 <sup>Δ</sup>	10	19.03
		110	3003873	10	25.64

Note: Δ = Available on a made to order basis. Please contact us regarding lead times.




Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	Weld Cap	40	3003860	20	3.33
		50	3003861	20	2.84
		56	3003874	20	2.84
		63	3003862 <sup>Δ</sup>	20	2.84
		75	3003863	20	2.85
		90	3003865 <sup>Δ</sup>	20	3.59
		110	3003866	20	6.75
		125	3003867 <sup>Δ</sup>	10	8.43
		160	3003868	10	27.26
	Protection Cap for pipes and fitting	40	3018704 <sup>Δ</sup>	40	3.50
		50	3018705 <sup>Δ</sup>	40	4.57
		63	3018706 <sup>Δ</sup>	40	4.57
		75	3018707 <sup>Δ</sup>	40	5.29
		90	3018708	50	0.86
		110	3018709	40	0.96
		125	3018710 <sup>Δ</sup>	50	5.29
		160	3018711	50	6.41
	Flange Adaptor	50	4025986 <sup>Δ</sup>	5	27.94
		63	4025988 <sup>Δ</sup>	5	38.92
		75	4025989 <sup>Δ</sup>	5	27.94
		110	4009748	5	31.07
		125	4009749 <sup>Δ</sup>	5	61.43
		160	4009750 <sup>Δ</sup>	5	52.90
		200	4009751 <sup>Δ</sup>	5	101.69
		250	4025992 <sup>Δ</sup>	1	175.07
		315	3018031 <sup>Δ</sup>	1	298.51
	Galvanised Steel Flange 1"	1"	4009793	20	6.30
	Brass Nut Connection	40x3/4"	3003908 <sup>Δ</sup>	20	9.14
		40x1"	3003910 <sup>Δ</sup>	20	9.14
		40x1 1/4"	3003912 <sup>Δ</sup>	20	9.14
		40x1 1/2"	3003913 <sup>Δ</sup>	20	9.14
		50x3/4"	3003917 <sup>Δ</sup>	20	21.57
		50x1 1/4"	3003921 <sup>Δ</sup>	20	21.57
		50x1 1/2"	3003924 <sup>Δ</sup>	20	21.57
		50x2"	3003927 <sup>Δ</sup>	20	21.57
		63x2"	4009761 <sup>Δ</sup>	10	9.14
	Shrink-on Socket with Seal	50	3003516 <sup>Δ</sup>	5	32.41
		63	3018026 <sup>Δ</sup>	5	32.41
		75	3018027 <sup>Δ</sup>	5	32.41
		90	3018028 <sup>Δ</sup>	5	32.41
		110	3003528 <sup>Δ</sup>	5	38.84
		125	3018029 <sup>Δ</sup>	5	38.84
		160	3018030 <sup>Δ</sup>	5	56.57
		200	3018025 <sup>Δ</sup>	1	67.62

Note: <sup>Δ</sup> = Available on a made to order basis. Please contact us regarding lead times.





# Wavin HDPE

## Soil, waste and vent

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
 <b>Accessories</b>					
Electrofusion Welding Tool DUO 315 230v		—	4036330	1	POA
 Electrofusion Welding Tool 110v		—	4064999	1	POA
 Electrofusion Welding Tool Cable 40-160 Spare, for use with 4064999		—	4065001	1	286.37
 Electrofusion Welding Tool Cable 200-315 Spare, for use with 4064999		—	4065000	1	286.37
 Heat Reflector Butt-Welding Tool Media 250, 75-250mm		75-250	4011401 <sup>Δ</sup>	1	POA
 Welding Mirror Complete with metal case Class X1, TP200		160	4011403	1	705.73
 Heat Reflector Butt-Welding Tool Maxi 315, 90-315mm		90-315	4011402 <sup>Δ</sup>	1	POA
 PE Pipe Cutter		40-63	4026014 <sup>Δ</sup>	1	318.75
		50-125	4011390	1	525.12
		110-160	4011393	1	536.96
		200-315	4011396	1	2547.57
 HDPE Rotary Peelers					
for pipe 50mm		50	4042914	1	1675.26
for pipe 63mm		63	4024493	1	1675.26
for pipe 75mm		75	4024569	1	2004.32
for pipe 90mm		90	4024432	1	2004.32
for pipe 110mm		110	4024189	1	2004.32
for pipe 125mm		125	4024393	1	2004.32
for pipe 160mm		160	4024190	1	2333.40
Replacement blade		—	4066330	1	173.51
 <b>Other Processing Aids</b>					
PE marker pen China Marker		—	4011453	12	15.58



	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	PE pipe scraper	—	4020757	10	54.64
	PE cleaner 0.7 litre bottle	—	4025509	12	32.02



## Introduction to

# Tigris K1 – Press-fit plumbing system

**Tigris K1** is a multilayer, composite pipe, press-fit plumbing system designed for potable water, sanitary and heating applications. It is ideally suited for installation on commercial projects such as educational establishments, high rise residential and hotels.



Widely specified and accorded a design award in Europe, Wavin Tigris K1 is the proven and perfected system for commercial plumbing and heating projects and has a number of features and benefits, including:

- **25 year guarantee**
- **Patented hexagonal head requires only low insertion force**
- **Flexible, multi-layer pipe requires minimal fittings reducing installation time and cost and improving flow rates**
- **Resistant to oxygen diffusion**
- **Thermal expansion comparable with copper**
- **Lightweight and corrosion resistant**
- **High resistance to scale build-up, stress-cracking, pressure and temperature**
- **Quick, simple and safe jointing method with no hot works permit required**
- **Defined leak function to reveal unpressed fittings**
- **Tigris K1 press-fit fittings for use with Wavin multi-layer pipe**
- **WRAS certificate number 1610085**



# Tigris K1

## Press-fit plumbing system







Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Pipe</b>				
	<b>Pipe – Straight Lengths</b>				
	16mm x 2.0mm x 3m	16	3072958	25	9.68
	16mm x 2.0mm x 5m	16	3061211	25	16.57
	20mm x 2.25mm x 3m	20	3072989	18	13.88
	20mm x 2.25mm x 5m	20	3061212	18	23.85
	25mm x 2.5mm x 3m	25	3072990	10	21.12
	25mm x 2.5mm x 5m	25	3061213	10	36.18
	32mm x 3.0mm x 3m	32	3070827	6	26.44
	32mm x 3.0mm x 5m	32	3041228	6	45.36
	40mm x 4.0mm x 5m	40	3004371	4	73.15
	50mm x 4.5mm x 5m	50	3004372	5	143.23
	63mm x 6.0mm x 5m	63	3028271	3	233.65
	<b>Pipe – Coils</b>				
	16mm x 2.0mm x 100m	16	3018297	1	261.16
	16mm x 2.0mm x 200m	16	3018302	1	522.31
	16mm x 2.0mm x 500m	16	3061202	1	1239.61
	20mm x 2.25mm x 100m	20	3018299	1	369.26
	25mm x 2.5mm x 50m	25	3018300	1	299.48
	<b>Pipe – Coils 9mm Pre-insulated</b>				
	16mm x 2.0mm x 50m RED	16	3004378	1	279.28
	20mm x 2.25mm x 50m RED	20	3004379	1	372.07
	25mm x 2.5mm x 25m RED	25	3071219	1	243.23
	16mm x 2.0mm x 50m BLUE	16	3071220	1	279.28
	20mm x 2.25mm x 50m BLUE	20	3071221	1	372.07
	<b>Pipe – Coils 13mm Pre-insulated</b>				
	16mm x 2.0mm x 50m + 13mm RED	16	3004380	1	329.01
	20mm x 2.25mm x 50m + 13mm RED	20	3004381	1	410.31
	25mm x 2.5mm x 25m RED	25	3070529	1	304.80
	16mm x 2.0mm x 50m BLUE	16	3071224	1	329.01
	20mm x 2.25mm x 50m BLUE	20	3071225	1	410.31
	<b>Couplers</b>				
	<b>Straight Coupler</b>				
		16	3023348	10	3.42
		20	3023359	10	4.46
		25	3023360	10	6.70
		32	3023488	5	11.66
		40	3024665	3	18.56
		50	3027832	2	27.47
	63	3027847	2	72.46	
	75	3065639	2	92.11	

\* This product is currently awaiting WRAS approval.









# Tigris K1

## Press-fit plumbing system

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece	
	<b>Reducing Coupler</b>					
	20 x 16mm	20	3023525	10	4.75	
	25 x 16mm	25	3023526	10	6.15	
	25 x 20mm	25	3023527	10	6.73	
	32 x 20mm	32	3023528	5	11.38	
	32 x 25mm	32	3023522	5	11.14	
	40 x 32mm	40	3023529	3	17.88	
	50 x 32mm	50	3027833	2	27.88	
	50 x 40mm	50	3027834	2	30.71	
	63 x 40mm	63	3027852	2	70.09	
	63 x 50mm	63	3027850	2	73.62	
	75 x 50mm	75	3065641	2	84.64	
	75 x 63mm	75	3065640	2	87.06	
	<b>Elbows</b>					
	<b>Elbow 45°</b>					
		25	3023498	10	9.09	
		32	3023499	5	13.21	
		40	3027839	3	25.31	
		50	3024668	2	39.75	
		63	3027849	2	90.05	
		75	3065642	2	98.10	
		<b>Elbow 90°</b>				
			16	3023363	10	4.27
			20	3023364	10	5.37
			25	3023365	10	7.62
			32	3023500	5	11.88
		40	3024666	3	23.25	
		50	3024667	2	36.33	
		63	3027848	2	81.88	
		75	3065643	2	99.83	
	<b>Elbow 90° – single male BSP thread</b>					
	16mm x ½"	16	3023542	10	5.40	
	20mm x ½"	20	3023543	10	6.58	
	20mm x ¾"	20	3023544	10	9.51	
	25mm x ¾"	25	3023545	10	10.59	
	32mm x 1"	32	3023539	5	18.89	
		<b>Elbow 90° – single female BSP thread</b>				
		16mm x ½"	16	3023546	10	8.23
		20mm x ½"	20	3023547	10	10.44
		20mm x ¾"	20	3023548	10	12.72
		25mm x ¾"	25	3023549	10	14.22
		32mm x 1"	32	3023540	5	21.62
		<b>Backplate Elbow – female BSP thread</b>				
	16mm x ½"	16	3023344	10	11.21	
	20mm x ½"	20	3023555	10	13.76	
	20mm x ¾"	20	3023537	10	14.22	







	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Tees</b>				
	<b>Equal Tee</b>				
		16	3023345	10	5.80
		20	3023346	10	8.31
		25	3023347	5	11.93
		32	3023521	5	20.33
		40	3024664	2	33.27
		50	3027829	2	51.99
		63	3027853	2	98.11
		75	3065644	2	137.99
	<b>One End Reduced Tee</b>				
	20x20x16mm	20	3023505	10	7.60
	<b>Double End Reduced Tee</b>				
	16x20x16mm	20	3023504	10	7.60
	20x25x20mm	25	3023510	5	10.38
	25x32x25mm	32	3023515	5	16.75
	<b>Branch Reduced Tee</b>				
	20x16x20mm	20	3023506	10	7.60
	25x16x25mm	25	3023508	5	10.52
	25x20x25mm	25	3023511	5	11.46
	32x16x32mm	32	3023513	5	15.95
	32x20x32mm	32	3023514	5	17.04
	32x25x32mm	32	3023516	5	18.45
	40x25x40mm	40	3023518	3	25.98
	40x32x40mm	40	3023519	3	28.70
	50x25x50mm	50	3027830	2	37.95
	50x32x50mm	50	3027842	2	39.86
	50x40x50mm	50	3027831	2	42.77
	63x25x50mm	63	3027856	2	66.71
	63x32x63mm	63	3027855	2	74.07
	63x40x63mm	63	3027854	2	88.03
	75x32x75mm	75	3065647	2	94.01
	75x40x75mm	75	3065646	2	106.14
	75x50x75mm	75	3065645	2	110.18
	<b>Branch and One End Reduced Tee</b>				
	20x16x16mm	20	3023507	10	7.60
	25x16x16mm	25	3023509	5	9.81
	25x20x20mm	25	3023512	5	10.55
	32x25x25mm	32	3023517	5	16.81
	40x32x32mm	40	3023520	3	25.55
	<b>One Sided Female Thread Tee</b>				
	16mm x 1/2"	16	3023557	10	14.00
	20mm x 1/2"	20	3023558	10	15.62
	20mm x 3/4"	20	3023559	10	16.23
	25mm x 3/4"	25	3023560	5	20.18



# Tigris K1










## Press-fit plumbing system

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Connectors</b>					
	Connector – single male BSP thread				
	16mm x ½"	16	3023495	10	4.29
	20mm x ½"	20	3023496	10	5.46
	20mm x ¾"	20	3023550	10	6.05
	25mm x ¾"	25	3023551	10	6.91
	25mm x 1"	25	3023552	10	8.98
	32mm x 1"	32	3023541	5	13.17
	32mm x 1¼"	32	3023553	5	19.78
	40mm x 1¼"	40	3027836	3	21.70
	Connector – single female BSP thread				
	16mm x ½"	16	3023494	10	5.81
	20mm x ½"	20	3023361	10	6.60
	20mm x ¾"	20	3023497	10	8.54
	25mm x ¾"	25	3023362	10	11.29
	32mm x 1"	32	3023554	5	19.08
	40mm x 1¼"	40	3027838	3	28.15
	Tap Connector – female BSP thread				
	16mm x ¾"	16	3023489	10	6.89
	20mm x ¾"	20	3023490	10	7.66
	25mm x 1"	25	3023491	5	16.38
	32mm x 1¼"	32	3023492	5	23.81
	40mm x 1½"	40	3023493	3	31.70
	End Cap				
		16	3023561	10	4.96
		20	3023562	10	5.50
		25	3023563	5	6.29



# Tigris M1<sup>\*</sup>

## Metal-body Press-fit plumbing system

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Connectors</b>				
	Connector – single male BSP thread				
	16mm x ¾"	16	4032676	10	6.89
	63mm x 2"	63	4032685	2	73.54
	75mm x 2½"	75	4049178	2	93.28
	Connector – single female BSP thread				
	50mm x 1½"	50	4032698	3	49.32
	63mm x 2"	63	4032699	2	77.64
	75mm x 2½"	75	4049179	2	126.32
	Tap Connector – female BSP thread				
	16mm x ½"	16	4032700	10	6.89
	Elbow 90° – Radiator Connector	16	4037512	10	22.38
	Equal tee – Radiator Connector	16	4037506	10	35.66
		20	4037508	10	35.92
	<b>Accessories</b>				
	Transition Fitting to Copper				
	16 x 15mm	16	4032721	5	8.90
	20 x 15mm	20	4032722	5	9.60
	20 x 22mm	20	4037451	5	12.21
	25 x 22mm	25	4032723	5	17.83
	25 x 28mm	25	4032724	5	19.91
	Compression Adaptor				
	16 x 15mm	16	4013355	2	4.95
	Pressure Stopper	16	4013571	1	25.96
		20	4013572	1	25.96
		25	4013573	1	25.96
	Adaptor Fitting to Hep <sub>2</sub> O				
	16 x 15mm	16	3052945	10	6.80
	20 x 22mm	20	3052946	10	12.16
	25 x 22mm	25	3052947	10	14.14
	25 x 28mm	25	3052948	10	18.61
	32 x 28mm	32	3052949	10	20.19

### Note:

\* M1 fittings are manufactured from a UBA listed 617 brass.













- Materials on the UBA list are accepted as drinking water quality by the 4 member state.
- The UK is a member of the 4 member state, together with Germany, Netherlands and France.

\* M1 fittings do not carry WRAS approval.














# Tigris K1

## Press-fit plumbing system

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Accessories and Tools</b>					
	Internal Bending Spring	16	4013553	1	31.04
		20	4013559	1	39.93
		25	4013562	1	42.75
	External Bending Spring	16	4023071	1	24.34
		20	4023073	1	26.60
		25	4023075	1	34.95
	<b>Pipe Bending Pliers</b>				
	Pipe Bending Tool	16	4043224	1	182.65
		20	4043225	1	195.44
	Pipe Bending Pliers 16/20/25mm	—	4023077	1	395.97
	Pipe Straightener 16/20/25mm	—	4013530	1	602.51
	Pipe Cutter 16mm-75mm	—	4053508	1	84.18
	Pipe Cutter with hold function 16/20/25mm	—	4036273	1	82.68
	Replacement Blade for 4036273	—	4037386	1	16.17
	Hand Press Tool 16-20mm	—	4013538	1	210.44
	Note: contains the tool only				
	Hand Tool Insert	16	4013542	1	72.01
		20	4013543	1	72.01
	Cordless Pressing Tool 16mm-40mm	—	4048906	1	2115.00
	Cordless Pressing Tool 16mm-75mm	—	4048907	1	3384.00
	Battery for 4048906	—	4066723	1	185.06



	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	Battery for 4048907	—	4066725	1	359.55
	Pressing Jaws	16	4046556	1	211.50
	— for use with 4048906	20	4046557	1	211.50
		25	4046558	1	232.65
		32	4046559	1	232.65
		40	4046560	1	338.40
	Pressing Jaws	16	4046691	1	243.23
	— for use with 4048907	20	4046694	1	243.23
		25	4046695	1	253.80
		32	4046756	1	253.80
		40	4046758	1	359.55
		50	4046759	1	380.70
		63	4035779	1	560.48
	Pressing Jaws — for use with 4048907 and 4053510	75	4053509	1	401.85
	Pressing Adaptor for 75mm Jaw — for use with 4048907 and 4053509	75	4053510	1	391.28
	Calibration Mandrel	16	4999998	1	70.76
		20	4999999	1	71.70
		25	4023364	1	75.38
		32	4023365	1	80.88
	Calibration Mandrel	40	4031987	1	138.75
		50	4031988	1	135.42
		63	4035780	1	200.59
		75	4053507	1	213.20
	Calibration Mandrel 16/20/25mm	—	3021196	1	85.97
	Handgrip Calibration Mandrel	—	3011162	1	39.99
	Handgrip Calibration Mandrel	—	4036272	1	39.99
	Calibration Set 16mm-32mm	—	4013541	1	333.69



## Introduction to

# Hep<sub>2</sub>O

## Plumbing and Heating Systems

**Hep<sub>2</sub>O Flexible Push-fit Plumbing** has been developed in response to installer feedback, and has a number of unique and innovative features and benefits including;

- In4Sure joint recognition – tells you when the pipe is in.
- Secure demounting with the new HepKey system.
- New, improved SmartSleeve stays captive in the pipe.
- 50 year industry leading guarantee.
- Flexible pipe which comes off the coil straight.



**Hep<sub>2</sub>O Underfloor Heating** has a wide range of systems for any floor type. See [www.hep2oufh.co.uk](http://www.hep2oufh.co.uk) for details.

**Hep<sub>2</sub>O** is Kitemarked to Class S of BS 7291, parts 1 and 2 and is manufactured within a Quality Management System which satisfies BS EN ISO 9002.

**Hep<sub>2</sub>O** is also approved by **WRAS** (certificate 1901900) – deemed safe for use in the supply of drinking water.

### Hep<sub>2</sub>O Guarantee

As a result of its rigorous Quality Management programme, **Hep<sub>2</sub>O** carries a 50 year guarantee against defect in materials or manufacturing of all its pipe and fittings.

Prices are for individual items within a pack unless otherwise stated.

## Symbols

### British Standards Kitemark

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

**Important note: Fittings of all product ranges must be ordered in their pack multiples as illustrated in price list.**

**Hep<sub>2</sub>O fittings are pre-lubricated, no additional lubrication is required. DO NOT use any flux, jointing compound or non Hep<sub>2</sub>O lubricant on Hep<sub>2</sub>O fittings.**

Email: [info@hep2o.co.uk](mailto:info@hep2o.co.uk)




Web: [www.hep2o.co.uk](http://www.hep2o.co.uk)

 @hep2o



# Hep<sub>2</sub>O Flexible Plumbing

## Polybutylene pipe

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Plumbing and Underfloor Heating Pipe</b>				
	<b>Coils – Barrier</b>				
	Please Note: Order pipe by unit (coil) not by metre				
	25m ♥	10	HXX25/10W	1	58.43
	50m ♥	10	HXX50/10W	1	115.09
	100m ♥	10	HXX100/10W	1	226.73
	10m ♥	15	HXX10/15W	1	27.51
	25m ♥	15	HXX25/15W	1	68.73
	50m ♥	15	HXX50/15W	1	136.03
	80m ♥	15	HXX80/15W	1	217.63
	100m ♥	15	HXX100/15W	1	267.84
	120m ♥	15	HXX120/15W	1	321.42
	10m ♥	22	HXX10/22W	1	53.68
	25m ♥	22	HXX25/22W	1	134.17
	50m ♥	22	HXX50/22W	1	265.66
	10m ♥	28	HXX10/28W	1	72.36
	25m ♥	28	HXX25/28W	1	180.90
	50m ♥	28	HXX50/28W	1	360.10
	<b>Straight Lengths – Barrier</b>				
	3m ♥	15	HXX03/15W	10	8.61
	3m ♥	22	HXX03/22W	10	16.85
	3m ♥	28	HXX03/28W	10	23.11
	6m ♥	15	HXX06/15W	40	17.77
	6m ♥	22	HXX06/22W	20	34.87
	6m ♥	28	HXX06/28W	12	47.55
	<b>Pipe in Pipe System</b>				
	<b>Coil of Hep<sub>2</sub>O Barrier Pipe in Blue or Red Conduit</b>				
	Please Note: Order pipe by unit (coil) not by metre				
	50m ♥	10	HXXC5010 BU	1	239.03
	50m ♥	10	HXXC5010 RD	1	239.03
	50m ♥	15	HXXC5015 BU	1	274.85
	50m ♥	15	HXXC5015 RD	1	274.85
	50m ♥	22	HXXC5022 BU	1	422.78
	50m ♥	22	HXXC5022 RD	1	422.78
	25m ♥	28	HXXC2528 BU	1	348.06
	25m ♥	28	HXXC2528 RD	1	348.06











**Important Note:**

Order pipe by unit (length) not by metre. Cut lengths only available as pack quantities.












# Hep<sub>2</sub>O Flexible Plumbing

## Demountable fittings

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Straight Connector</b>				
	♥	10	HD1/10W	10	4.40
	♥	15	HD1/15W	10	2.63
	♥	22	HD1/22W	10	3.70
	♥	28	HD1/28W	5	10.65
	<b>Elbow 90°</b>				
	♥	10	HD5/10W	10	4.98
	♥	15	HD5/15W	10	3.20
	♥	22	HD5/22W	10	4.69
	♥	28	HD5/28W	5	12.75
	<b>Equal Tee</b>				
	♥	10	HD10/10W	10	6.15
	♥	15	HD10/15W	10	4.49
	♥	22	HD10/22W	10	6.15
	♥	28	HD10/28W	5	17.60
	<b>Demountable Stop-End</b>				
	♥	10	HD62/10W	10	3.90
	♥	15	HD62/15W	10	3.49
	♥	22	HD62/22W	10	4.40
	♥	28	HD62/28W	5	7.32
	<b>SmartSleeve Pipe Support</b>				
		10	HX60/10W	20	0.57
		15	HX60/15W	50	0.58
		22	HX60/22W	50	0.75
		28	HX60/28W	20	1.11
	<b>Spigot Elbow 90°</b>				
	Single Socket				
	♥	10	HD4/10W	5	4.98
	♥	15	HD4/15W	5	3.37
	♥	15x10	HD4A/15W	5	4.98
	<b>Socket Reducer</b>				
	15 x 10mm ♥	15	HD2/15W	10	4.56
	22 x 15mm ♥	22	HD2/22W	10	3.53
	28 x 22mm ♥	28	HD2/28W	5	8.54
	<b>Socket/Socket Reducer</b>				
	15 x 10mm ♥	15	HD3B/15W	10	8.28
	22 x 15mm ♥	22	HD3B/22W	10	7.21
	22 x 10mm ♥	22	HD3C/22W	10	8.28
	<b>Obtuse Bend 135° Single Socket</b>				
	♥	10	HD8/10W	5	5.38
	♥	15	HD8/15W	5	3.73
	♥	22	HD8/22W	5	5.38
	<b>End Reduced Tee</b>				
	22 x 15 x 22mm ♥	22	HD12/22W	5	6.51
	28 x 22 x 28mm ♥	28	HD12/28W	5	17.60

**Important Note:** All fittings are pre-lubricated - no additional lubrication required.  
Hep<sub>2</sub>O fittings are fully compatible with Hep<sub>2</sub>O and copper pipe.








	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Double End Reduced Tee</b>				
	10 x 10 x 15mm ♡	15	HD18/15W	5	6.51
	10 x 10 x 22mm ♡	22	HD18A/22W	5	6.88
	15 x 15 x 22mm ♡	22	HD18/22W	5	6.51
	22 x 22 x 28mm ♡	28	HD18/28W	5	17.60
	<b>Branch Reduced Tee</b>				
	15 x 15 x 10mm ♡	15	HD13/15W	5	6.51
	22 x 22 x 10mm ♡	22	HD13A/22W	5	6.51
	22 x 22 x 15mm ♡	22	HD13/22W	5	6.51
	28 x 28 x 15mm ♡	28	HD13A/28W	5	17.60
	28 x 28 x 22mm ♡	28	HD13/28W	5	17.60
	<b>Branch Reduced Tee – Spigot</b>				
	15 x 15 x 10mm ♡	15	HD15/15W	5	6.51
	22 x 22 x 15mm ♡	22	HD15/22W	5	6.51
	<b>Branch and One End Reduced Tee</b>				
	15 x 10 x 10mm ♡	15	HD14/15W	5	6.51
	22 x 10 x 10mm ♡	22	HD14A/22W	5	6.51
	22 x 15 x 15mm ♡	22	HD14/22W	5	6.51
	28 x 22 x 22mm ♡	28	HD14/28W	5	17.60
	<b>Blanking Peg</b>				
	For demountable Hep2O fittings ♡	10	HX44/10W	10	1.38
	♡	15	HX44/15W	10	1.61
	♡	22	HX44/22W	10	1.61
	♡	28	HX44/28W	10	1.93
	<b>Tank Connector</b>				
	with BSP tail & backnut (For cold water use only)				
	BSP 1/2"	15	HX20/15W	5	3.80
	BSP 3/4"	22	HX20/22W	5	4.78
	BSP 1" (brass body)	28	HX20/28W	5	21.41
	<b>Straight Tap Connector</b>				
	with brass nut and alternative rubber washer				
	BSP 1/2" ♡ *	15	HD25A/15W	10	4.58
	BSP 3/4" ♡ *	15	HD25B/15W	5	5.41
	BSP 3/4" ♡ *	22	HD25B/22W	5	5.85
	<b>Bent Tap Connector</b>				
	with brass nut and alternative rubber washer				
	BSP 1/2" ♡ *	15	HD27/15W	5	5.05
	<b>Hand-Titan™ Tap Connector</b>				
	with rubber washer				
	BSP 1/2" ♡ *	10	HD26A/10W	5	4.64
	BSP 1/2" ♡ *	15	HD26A/15W	5	3.86
	BSP 3/4" ♡ *	15	HD26B/15W	5	4.64
	BSP 3/4" ♡ *	22	HD26B/22W	5	5.02

\* For intermittent hot and cold water use up to a maximum of 65°C.  
Not for use with central heating.




# Hep<sub>2</sub>O Flexible Plumbing

## Flexible tap connectors

Description		Nom dia mm	Cat no	Pack qty	Hose type	Price £ per piece
	<b>Hep<sub>2</sub>O x BSP Nut</b> with brass nut and rubber washer					
	150mm BSP 1/2" *	15	HD425A/15W	2	Braided	7.56
	300mm BSP 1/2" *	15	HD125A/15W	2	Braided	7.98
	300mm BSP 3/4" *	15	HD125B/15W	2	Braided	9.45
	300mm BSP 3/4" (full bore) *	22	HD125C/22W	2	Braided	16.26
	300mm BSP 3/4" *	22	HD125B/22W	2	Braided	9.45
	500mm BSP 1/2" *	15	HD225A/15W	2	Braided	10.94
	500mm BSP 3/4" *	15	HD225B/15W	2	Braided	12.36
	500mm BSP 3/4" (full bore) *	22	HD225C/22W	2	Braided	18.98
	500mm BSP 3/4" *	22	HD225B/22W	2	Braided	13.15
	1000mm BSP 1/2" *	15	HD325A/15W	2	Braided	19.87
	1000mm BSP 3/4" *	22	HD325B/22W	1	Braided	24.24
	<b>Hep<sub>2</sub>O x Hep<sub>2</sub>O</b>					
	300mm 15mm x 15mm *	15	HD125H/15W	2	Braided	9.38
	300mm 22mm x 22mm *	22	HD125H/22W	2	Braided	11.48
	500mm 15mm x 15mm *	15	HD225H/15W	2	Braided	13.74
	<b>Hep<sub>2</sub>O x Elbow BSP Nut</b> with brass nut and rubber washer					
	300mm Elbow BSP 1/2" *	15	HD125D/15W	2	Braided	10.13
	<b>Hep<sub>2</sub>O Brass Service Valve x BSP Nut</b> with brass nut and rubber washer					
	300mm BSP 1/2" *	15	HD125E/15W	2	Braided	21.70
	300mm BSP 3/4" *	22	HD125E/22W	2	Braided	40.78
	500mm BSP 1/2" *	15	HD225E/15W	2	Braided	23.75
	500mm BSP 3/4" *	15	HD225I/15W	2	Braided	26.13
	500mm BSP 3/4" *	22	HD225E/22W	2	Braided	44.48
	<b>Hep<sub>2</sub>O Brass Service Valve (Handle) x BSP Nut</b> with brass nut and rubber washer					
	300mm BSP 1/2" *	15	HD125EH/15W	2	Braided	21.70
	300mm BSP 3/4" *	22	HD125EH/22W	2	Braided	40.78

\* For intermittent hot and cold water use up to a maximum of 65°C.  
Not for use with central heating.




Description		Nom dia mm	Cat no	Pack qty	Hose type	Price £ per piece
	<b>Hep20 x Monobloc Mixers</b>					
	300mm 15mm x M10 *	15	HD125F/15W •	Pair	Braided	14.29
	300mm 15mm x M12 *	15	HD125G/15W •	Pair	Braided	14.29

• Sold and priced as a pair.














# Hep<sub>2</sub>O Flexible Plumbing

## Auxiliary fittings

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Adaptor</b> Male BSP/Hep <sub>2</sub> O socket DZR Brass				
	BSP 1/2" ♡	10	HX29/10W	10	7.52
	BSP 1/2" ♡	15	HX29/15W	10	7.32
	BSP 3/4" ♡	22	HX29/22W	10	10.51
	BSP 1" ♡	28	HX29/28W	5	19.97
	<b>Adaptor</b> Female BSP/Hep <sub>2</sub> O socket DZR Brass				
	BSP 1/2" ♡	10	HX28/10W	10	7.52
	BSP 1/2" ♡	15	HX28/15W	10	7.32
	BSP 3/4" ♡	15	HX24/15W	10	10.51
	BSP 3/4" ♡	22	HX28/22W	10	10.51
	BSP 1" ♡	28	HX28/28W	5	20.66
	<b>Adaptor</b> Male BSP/Hep <sub>2</sub> O spigot DZR Brass				
	BSP 1/2" ♡	15	HX31/15W	10	4.07
	BSP 3/4" ♡	22	HX31/22W	10	6.72
	BSP 1" ♡	28	HX31/28W	5	9.86
	<b>Adaptor</b> Female BSP/Hep <sub>2</sub> O spigot DZR Brass				
	BSP 1/2" ♡	15	HX30/15W	10	3.99
	BSP 3/4" ♡	22	HX30/22W	10	6.72
	BSP 1" ♡	28	HX30/28W	5	9.86
	<b>Draincock</b> Brass 15mm spigot DZR Brass ♡	15	HX32/15 GY	10	7.32
	<b>Adaptor</b> Converts 1/2" tap connector to 3/4" DZR Brass BSP 1/2"x 3/4" ♡		HX39 GR	10	3.79
	<b>Wall Plate Elbow</b> Hep <sub>2</sub> O				
	BSP 1/2" ♡	15	HX6/15W	5	11.29
	BSP 3/4" ♡	22	HX6/22W	5	12.27
	<b>Ball Valve</b> Plated Brass (suitable for central heating use)				
	15x15mm	15	HX22/15W	5	14.46
	22x22mm	22	HX22/22W	5	18.87
	<b>Gate Valve</b> DZR Brass – Hep <sub>2</sub> O ends (suitable for central heating use)				
		15	HX35/15W	5	11.45
		22	HX35/22W	5	16.31
	<b>Stopcock – Cold Water</b> fitted with Hep <sub>2</sub> O ends				
		15	HX36/15W	5	11.52
		22	HX36/22W	5	13.77



	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Stopcock – Cold Water</b> Hep20 to MDPE Conversion 22mm to 25mm MDPE	22	HX43/22W	5	24.45
	<b>Shut-off Valve</b> With hot/cold indicator insert. NB: *SEE USAGE NOTE	15	HX37/15W	5	8.14
	<b>Appliance Valve</b> With hot/cold indicator insert. NB: *SEE USAGE NOTE	15	HX38/15W	5	7.52
	<b>Straight Service Valve</b> With hot/cold indicator insert. NB: *SEE USAGE NOTE	15	HX18/15W	5	8.65
	<b>Angled Service Valve</b> With hot/cold indicator insert. NB: *SEE USAGE NOTE	15	HX19/15W	5	8.66
	<b>Double-Check Valve</b> Plastics NB: •SEE USAGE NOTE	15	HX72/15W	1	19.35
	<b>Two Port Manifold</b> 22x15mm ports Closed Spigot ♡	22	HX88/22W	5	8.78
	<b>Two Port Manifold</b> 22x15mm ports All socket ♡	22	HX88B/22W	5	9.07
	<b>Three Port Manifold</b> 22x15mm ports Closed spigot ♡	22	HX89/22W	5	11.79
	<b>Three Port Manifold</b> 22x15mm ports All socket ♡	22	HX89B/22W	5	12.22
	<b>Two Port Manifold</b> 22x10mm ports All socket ♡	22	HX92B/22W	5	9.61


**\*For intermittent hot and cold water use up to a maximum of 65°C.  
Not for use with central heating.**

**•For cold water use only.**







# Hep<sub>2</sub>O Flexible Plumbing

## Auxiliary fittings

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Four Port Manifold</b> 22x10mm ports All socket ♥	22	HX94B/22W	5	12.22
	<b>Two Port Manifold</b> 22x10mm ports Socket and closed spigot ♥	22	HX92/22W	5	8.78
	<b>Four Port Manifold</b> 22x10mm ports Socket and closed spigot ♥	22	HX94/22W	5	11.79
	<b>Four Port Manifold</b> 22x10mm ports Socket and closed spigot, on one side ♥	22	HX96/22W	5	13.48
	<b>Four Port Manifold</b> 22x10mm ports All socket, on one side ♥	22	HX96B/22W	5	13.48
	<b>One Port Valved Manifold</b> Plated Brass 3/4" BSP Male/female 22mm Hep <sub>2</sub> O port ♥	22	HX91T/22W	1	24.55
	<b>Two Port Valved Manifold</b> Plated Brass 3/4" BSP Male/female 15mm Hep <sub>2</sub> O ports ♥	15	HX92T/15W	1	41.24
	<b>Three Port Valved Manifold</b> Plated Brass 3/4" BSP Male/female 15mm Hep <sub>2</sub> O ports ♥	15	HX93T/15W	1	60.47
	<b>Four Port Valved Manifold</b> Plated Brass 3/4" BSP male/female. 15mm Hep <sub>2</sub> O ports ♥	15	HX94T/15W	1	82.56
	<b>Manifold End Caps</b> 3/4" BSP Female End Cap 3/4" BSP Male End Cap		HX97 GY HX98 GY	5 5	3.59 4.17
	<b>Manifold Bracket – Pair</b> for HX92T/15, HX93T/15 and HX94T/15		HX95A GR	1	23.64



	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Radiator Outlet Back Box</b> Plastic (for stud wall)		HX109 GY	5	3.80
	<b>Radiator Outlet Back Box</b> Metal (for solid wall)		HX110 GY	5	3.19
	<b>Radiator Outlet Cover with Flap</b> For use with HX109 and HX110		HX113 WH	5	8.35
	<b>Back Box Grommet</b> For use with HX110		HX112 GY	50	0.21






# Hep<sub>2</sub>O Flexible Plumbing

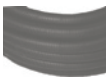




## Tools, fixings and accessories

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>HepKey Plus</b> Demounting Tool	10	HX79/10W	10	0.40
		15	HX79/15W	10	0.46
		22	HX79/22W	10	0.46
		28	HX79/28W	10	0.51
	<b>HepKey</b> Demounting Tool	10	HX78/10W	10	0.35
		15	HX78/15W	10	0.40
		22	HX78/22W	10	0.40
		28	HX78/28W	10	0.45
	<b>HepTool</b> Demounting Tool				
	10/28mm	10	HX77/10W	10	2.40
	15/22mm	15	HX77/15W	10	1.97
	<b>Cold Forming Bend Fixture</b> Metal with passivate finish	15	HX75/15 GR	5	2.46
		22	HX75/22 GR	5	3.45
	<b>Pipe Cutter – Scissor Type</b> Standard		HD74 GR	1	20.33
	<b>Pro Cutter</b>		HD75 GR	1	50.10
	<b>Pipe Cutter – Ratchet Type</b> up to 42mm pipe		HD77 GR	1	73.86
	up to 28mm pipe		HD78 GR	1	51.26
	<b>Hep<sub>2</sub>O Joint Test Kit</b> Hep <sub>2</sub> O Joint Test Kit		HX81 GR	1	587.52
	<b>Pipe Clips – Screw</b>	15	HX85/15W	50	0.38
		22	HX85/22W	50	0.38
		28	HX85/28W	50	0.62
	<b>Pipe Clip – Spacers</b>	15	HX86/15W	20	0.28
		22	HX86/22W	20	0.38
	<b>Pipe Clip Cable Type</b>	10	HX65/10W	50	0.23
		15	HX65/15W	50	0.38
		22	HX65/22W	50	0.38
		28	HX65/28W	50	0.46



Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Hep<sub>2</sub>O Silicone Lubricant Spray</b>				
	400ml aerosol can Hep <sub>2</sub> O fittings		HX200	1	13.97
	<b>Flat Tap Connector Washers – Rubber</b>	15	HX58/15 GY	20	p/pack 5.37
		22	HX58/22 GY	20	p/pack 5.37
	<b>Conical Tap Connector Washers – Rubber</b>	15	HX57/15 GR	20	p/pack 5.37
		22	HX57/22 GR	20	p/pack 5.37


## Conduit system

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Conduit Pipe</b>				
	25.0m	15	HXC25/15 BL	1	42.72
	50.0m	15	HXC50/15 BL	1	85.51
	25.0m	22	HXC25/22 BL	1	53.45
	50.0m	22	HXC50/22 BL	1	106.35
	<b>Conduit Junction Box</b>		HX100 BL	1	7.09
	<b>Conduit Junction Box Lid</b>		HX104 BL	1	2.37
	<b>Conduit Terminal</b>	15	HX101/15W	2	9.87
	<b>Terminal Back Plate</b>		HX103 BL	1	1.97






# Hep<sub>2</sub>O Underfloor Heating

## UFH – Polybutylene pipe

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Underfloor Heating Pipe</b>				
	<b>Coils – Barrier</b>				
	Please Note: Order pipe by unit (coil) not by metre				
	25m ♥	10	HXX25/10W	1	58.43
	50m ♥	10	HXX50/10W	1	115.09
	70m ♥	10	HXX70/10W	1	160.11
	100m ♥	10	HXX100/10W	1	226.73
	10m ♥	15	HXX10/15W	1	27.51
	25m ♥	15	HXX25/15W	1	68.73
	50m ♥	15	HXX50/15W	1	136.03
	80m ♥	15	HXX80/15W	1	217.63
	100m ♥	15	HXX100/15W	1	267.84
	120m ♥	15	HXX120/15W	1	321.42

Important Note: Order pipe by unit (length) not by metre.


## UFH – Floor systems

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>Staple System</b>				
	Staples 60mm for 15mm UFH Pipe	15	15UH231	300	0.11
	<b>Staple Gun</b> (40/60mm)	15	15UH237	1	455.54
	<b>System Plate System</b>				
	System Plate (1275 x 975mm)	10	10UH232	16	14.11
	System Plate (1275 x 975mm)	15	15UH232	18	14.11
	System Plate Tack Fastener		15UH238	25	0.40
	<b>System Ancillaries</b>				
	Edge Expansion Foam (25.0m x 150mm)		15UH234	1	35.28



# Hep<sub>2</sub>O Underfloor Heating

## UFH – Room packs

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	<b>UFH Room Packs</b>				
	12m <sup>2</sup>	15	15UKPK1	1	965.19
	18m <sup>2</sup>	15	15UKPK2	1	993.42
	24m <sup>2</sup>	15	15UKPK3	1	1027.29

## Underfloor heating room packs

Contents:

- ① 15mm UFH Pipe Coil
- ① 300 Pipe Staples
- ① 25m Roll of Edge Expansion Foam
- ① Programmable Thermostat
- ① 2 x Isolation Valves
- ① Flow Watch Thermostat
- ① Control Pack
- ① Single Circuit Fittings Pack


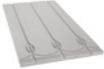



Contains  
everything  
you need for a  
new screeded  
floor





# Hep<sub>2</sub>O Underfloor Heating











## UFH – Dry construction products

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Panel Systems</b>					
	<b>Low-Build Panel</b> 15x600x1200mm	10	10UH601	10	44.48
	<b>Low-Build Max – Straight Panel</b> 15x600x1200mm	10	10UH602	10	48.87
	15x600x1200mm	10	10UH603	30	46.69
	<b>Low-Build Max – Return Panel</b> 15x300x138mm	10	10UH604	10	16.39
	<b>Low-Build Max – Channel Panel</b> 15x600x150mm	10	10UH600	10	20.38
	<b>Floating Floor Panel – 25mm</b> 600x1200mm	15	15UH608	10	29.24
	<b>Joist Panel – 50mm</b> 340x1200mm	15	15UH610	10	27.38
	<b>L Bracket – Inter Joist Panel</b>		15UH612	1	3.16
<b>Diffuser Plates</b>					
	<b>Double Diffuser Plate – 15mm</b> 1000x390mm	15	15UH605	10	13.43
	<b>Single Diffuser Plate – 15mm</b> 1000x140mm	15	15UH606	10	5.75



# Hep<sub>2</sub>O Underfloor Heating












## UFH – Manifolds and Control systems

	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
<b>Manifolds</b>					
	<b>Manifold Control Pack A Rated</b>		15UH512	1	412.27
	<b>Composite Manifold – Starter Pack</b> ▲		15UH510	1	121.40
	<b>Composite Manifold – One Port Pack</b> includes 15mm Euroconus Adaptor ▲	15	15UH511	1	47.30
	<b>Composite Manifold – Three Port Pack</b> includes 15mm Euroconus Adaptor ▲	15	15UH513	1	124.57
	<b>Composite Manifold 22mm Isolation Valves</b> (pair)	22	15UH211	2	p/pack 37.82
	<b>1"x15mm Female Brass Adaptor</b>	15	15UH607	5	19.68
	<b>Cold Forming Bend Fixture</b> Metal with passivate finish	15	HX75/15 GR	5	2.46
	<b>Pipe Clips – Screw</b>	15	HX85/15W	50	0.38
	<b>Ball Valves Stainless 1"</b> (pair)	15	15UH550	1	69.21
	<b>Thermometer for Ball valves</b>	15	15UH565	1	7.22














# Hep<sub>2</sub>O Underfloor Heating

## UFH – Manifolds and Control systems

Description		Nom dia mm	Cat no	Pack qty	Price £ per piece
	Stainless Manifold*				
	2 port	15	15UH552	1	201.68
	3 port	15	15UH553	1	241.44
	4 port	15	15UH554	1	282.18
	5 port	15	15UH555	1	334.37
	6 port	15	15UH556	1	367.38
	7 port	15	15UH557	1	406.74
	8 port	15	15UH558	1	479.05
	9 port	15	15UH559	1	527.46
	10 port	15	15UH560	1	575.07
	11 port	15	15UH561	1	634.03
	12 port	15	15UH562	1	668.30
	Manifold – Euroconus Adaptor 10x1.7 (pair)	10	10UH529	1	10.80
	Manifold – Euroconus Adaptor 15x1.8 (pair)	15	15UH529	1	10.80
	Manifold – Euroconus Adaptor 16x1.8 (pair)	16	16UH529	1	10.80
	Actuator adaptor VA50 (pair)		15UH569	1	2.12
	Single Way kit flow-ret Manifold Stainless	15	15UH551	1	136.25
	Coupling 1" Female – Female Stainless (pair)	15	15UH567	1	46.52
	Auto Airvent with non-return Stainless	15	15UH568	1	7.79
	Thermometer with Spring		15UH566	1	6.82
<b>Digital Controls</b>					
	Single Zone Control Centre		15UH311	1	78.35
	8 Zone Wireless Control Centre		15UH308	1	244.27

\*Each stainless steel manifold requires the correct quantity of actuator adaptors (15UH569) and euroconus adaptors (10UH529, 15UH529 or 16UH529) depending on the actuator size and pipe being used.



	Description	Nom dia mm	Cat no	Pack qty	Price £ per piece
	Dial Thermostat (wired)		15UH472	1	51.87
	NeoAir V2 Wireless Thermostat (white)		15UH385	1	134.31
	NeoAir V2 Wireless Thermostat (black)		15UH386	1	134.31
<b>Mains Controls</b>					
	8 Zone Control Centre (230v)		15UH408	1	142.50
	230V Actuator (for use with 15UH408 & 15UH308)		15UH402	1	30.37
	Flow Watch Thermostat (for use with 15UH408 & 15UH308)		15UH524	1	36.12
	NeoStat (white)		15UH475	1	134.31
	NeoStat (black)		15UH476	1	134.31
	Remote Sensor Probe		15UH495	1	18.09
	Remote Sensor Probe Cover		15UH494	1	9.52
	neoHub		15UH492	1	253.07



Numerical index

Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no
OT002B	99.52	5	OT033AG	10.08	7	OT086N	39.57	6
OT003B	17.64	5	OT033B	10.08	7	OT086W	39.57	6
OT003G	17.64	5	OT033G	10.08	7	OT088AG	75.06	6
OT003N	17.64	5	OT033W	10.08	7	OT088B	75.06	6
OT003W	17.64	5	OT034AG	7.02	7	OT088G	75.06	6
OT004B	23.07	5	OT034B	7.02	7	OT088N	75.06	6
OT004G	23.07	5	OT034G	7.02	7	OT088W	75.06	6
OT004N	23.07	5	OT034N	7.02	7	OT092B	21.19	7
OT004W	23.07	5	OT034W	7.02	7	OT116B	2.28	9
OT005B	9.14	4	OT035AG	35.01	8	OT116G	2.28	9
OT005G	9.14	4	OT035B	35.01	8	OT116N	2.28	9
OT005N	9.14	4	OT035G	35.01	8	OT116W	2.28	9
OT005W	9.14	4	OT035N	35.01	8	OT143B	23.41	7
OT007B	22.93	4	OT035W	35.01	8	OT147G	26.72	22
OT007G	22.93	4	OT037AG	11.65	8	OT147G	26.72	20
OT007N	22.93	4	OT037B	11.65	8	OT147G	26.72	18
OT007W	22.93	4	OT037G	11.65	8	OT147G	26.72	16
OT008B	20.68	5	OT037N	11.65	8	OT147G	26.72	11
OT009B	12.32	4	OT037W	11.65	8	OT147G	26.72	6
OT009G	12.32	4	OT038AG	8.23	7	OT148G	24.68	6
OT009N	12.32	4	OT038B	8.23	7	OT148G	24.68	11
OT009W	12.32	4	OT038G	8.23	7	OT148G	24.68	16
OT010B	5.90	4	OT038N	8.23	7	OT148G	24.68	18
OT010G	5.90	4	OT038W	8.23	7	OT148G	24.68	20
OT010N	5.90	4	OT044B	5.00	21	OT148G	24.68	22
OT010W	5.90	4	OT044B	5.00	19	OT149B	22.42	12
OT011B	7.60	5	OT044B	5.00	17	OT149B	22.42	7
OT011G	7.60	5	OT044B	5.00	15	OT161AG	20.75	8
OT011N	7.60	5	OT044B	5.00	10	OT161B	20.75	8
OT011W	7.60	5	OT044B	5.00	4	OT161G	20.75	8
OT014B	35.42	5	OT045B	11.04	4	OT161N	20.75	8
OT015B	35.42	5	OT045B	11.04	10	OT161W	20.75	8
OT016B	24.31	5	OT045B	11.04	17	OT201B	73.73	13
OT017B	54.25	5	OT045B	11.04	19	OT201B	73.73	9
OT019B	4.06	4	OT060B	2.99	9	OT201W	73.73	9
OT019G	4.06	4	OT061B	2.99	9	OT201W	73.73	13
OT019N	4.06	4	OT064G	2.99	9	OT245B	21.78	6
OT019W	4.06	4	OT072B	25.64	4	OT246B	21.78	6
OT024AG	8.58	7	OT072G	25.64	4	OT274AG	63.21	8
OT024B	8.58	7	OT072N	25.64	4	OT274B	63.21	8
OT024G	8.58	7	OT072W	25.64	4	OT274G	63.21	8
OT024N	8.58	7	OT074B	51.21	4	OT274N	63.21	8
OT024W	8.58	7	OT074G	51.21	4	OT274W	63.21	8
OT025AG	10.76	8	OT074N	51.21	4	OT332AG	47.01	8
OT025B	10.76	8	OT074W	51.21	4	OT332B	47.01	8
OT025G	10.76	8	OT082B	28.76	6	OT332G	47.01	8
OT025N	10.76	8	OT082G	28.76	6	OT332N	47.01	8
OT025W	10.76	8	OT082N	28.76	6	OT332W	47.01	8
OT026AG	13.39	8	OT084AG	57.47	6	OT624B	18.82	4
OT026B	13.39	8	OT084B	57.47	6	OT624G	18.82	4
OT026G	13.39	8	OT084G	57.47	6	OT624N	18.82	4
OT026N	13.39	8	OT084N	57.47	6	OT624W	18.82	4
OT026W	13.39	8	OT084W	57.47	6	OT625B	28.42	4
OT027B	16.70	8	OT086AG	39.57	6	OT745B	21.42	6
OT030B	3.92	7	OT086B	39.57	6	OT746B	23.18	6
OT031B	3.34	7	OT086G	39.57	6	OT914B	17.46	5



Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no
OT914G	17.46	5	1E163W	4.78	57	2M160W	16.77	46
OT914N	17.46	5	1E166W	4.78	57	2M160W	16.77	75
OT914W	17.46	5	1E166W	4.78	83	2M161B	16.38	76
OT985B	12.42	21	1E190W	5.15	57	2M161B	16.38	47
OT985B	12.42	19	1E190W	5.15	83	2M161E	16.38	47
OT985B	12.42	18	1E344B	5.80	45	2M161E	16.38	76
OT985B	12.42	16	1E344B	5.80	57	2M161W	16.38	47
OT985B	12.42	11	1E344W	5.80	45	2M161W	16.38	76
OT985B	12.42	5	1E344W	5.80	57	2M163B	14.08	76
OT986B	18.66	5	1E344W	5.80	83	2M163B	14.08	47
OT986B	18.66	11	1E346B	5.80	45	2M163E	14.08	47
OT986B	18.66	16	1E346B	5.80	57	2M163E	14.08	76
OT986B	18.66	18	1E346W	5.80	45	2M163W	14.08	47
OT986B	18.66	19	1E346W	5.80	57	2M163W	14.08	76
OT986B	18.66	21	1E346W	5.80	83	2M190B	22.64	76
OT988B	10.35	5	1O158W	4.02	58	2M190B	22.64	47
OT988B	10.35	11	1O159W	4.78	58	2M190E	22.64	47
OT988B	10.35	16	1V402W	52.01	84	2M190E	22.64	76
OT988B	10.35	18	1V402W	52.01	56	2M190W	22.64	47
OT988B	10.35	19	1V403G	103.97	56	2M190W	22.64	76
OT988B	10.35	21	1V403G	103.97	84	2M260B	18.48	76
OT989B	13.91	5	2CS801SE	16.51	73	2M260B	18.48	47
OT989B	13.91	11	2CS802SE	16.51	73	2M260E	18.48	47
OT989B	13.91	16	2CS804SE	9.68	73	2M260E	18.48	76
OT989B	13.91	18	2CS805SE	9.68	73	2M260W	18.48	47
OT989B	13.91	19	2CS812SE	11.61	68	2M260W	18.48	76
OT989B	13.91	21	2CS813SE	16.51	68	2M292B	13.47	76
OT999B	96.24	5	2CS814SE	9.68	68	2M292B	13.47	47
OT999G	96.24	5	2CS815SE	8.94	68	2M292E	13.47	47
OT999N	96.24	5	2CS816SE	10.66	68	2M292E	13.47	76
OT999W	96.24	5	2M073B	47.62	75	2M292W	13.47	47
1C074W	10.65	57	2M073B	47.62	46	2M292W	13.47	76
1C104W	4.02	57	2M073E	47.62	46	2M456B	9.36	77
1C139W	7.32	57	2M073E	47.62	75	2M456B	9.36	48
1C160W	3.90	57	2M073W	47.62	46	2M456E	9.36	48
1C163W	4.78	57	2M073W	47.62	75	2M456E	9.36	77
1C190W	5.60	57	2M081B	2.68	75	2M456W	9.36	48
1C344W	5.80	57	2M081B	2.68	46	2M456W	9.36	77
1C344W	5.80	51	2M081E	2.68	46	2M458B	9.36	77
1C346W	5.80	51	2M081E	2.68	75	2M458B	9.36	48
1C346W	5.80	57	2M081W	2.68	46	2M458E	9.36	48
1E073W	8.97	83	2M081W	2.68	75	2M458E	9.36	77
1E073W	8.97	57	2M104B	10.92	75	2M458W	9.36	48
1E082W	1.41	57	2M104B	10.92	46	2M458W	9.36	77
1E082W	1.41	83	2M104E	10.92	46	2S298B	9.68	35
1E104W	4.02	57	2M104E	10.92	75	2S298E	9.68	35
1E104W	4.02	83	2M104W	10.92	46	2S298G	9.68	35
1E129W	6.27	83	2M104W	10.92	75	2S298W	9.68	35
1E129W	6.27	57	2M124E	21.05	75	2S299B	8.94	35
1E139W	7.00	57	2M124E	21.05	46	2S299E	8.94	35
1E139W	7.00	83	2M124W	21.05	46	2S299G	8.94	35
1E156W	5.80	83	2M124W	21.05	75	2S299W	8.94	35
1E156W	5.80	58	2M160B	16.77	75	2S355W	12.11	74
1E160W	4.17	57	2M160B	16.77	46	2S355W	12.11	27
1E160W	4.17	83	2M160E	16.77	46	2S355W•	12.11	65
1E163W	4.78	83	2M160E	16.77	75	2S356W	19.92	27



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Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no
2S356W	19.92	74	2Z088B	6.47	45	3S094G	46.70	25
2S356W•	19.92	65	2Z088G	6.47	45	3S105B	38.23	24
2S360G	14.77	29	2Z088W	6.47	45	3S105G	38.23	72
2S398B	10.41	29	2Z104B	7.57	42	3S105G	38.23	24
2S398G	10.41	29	2Z104G	7.57	42	3S116B	2.65	31
2S398W	10.41	29	2Z104W	7.57	42	3S116G	2.65	31
2S399B	10.41	29	2Z124W	13.14	42	3S116G	2.65	80
2S399G	10.41	29	2Z124W •	13.14	89	3S124B	22.28	24
2S399W	10.41	29	2Z128W	13.46	80	3S124G	22.28	67
2S402B	13.42	29	2Z128W	13.46	45	3S124G	22.28	24
2S402G	13.42	29	2Z160B	9.09	42	3S161B	45.26	25
2S402W	13.42	29	2Z160G	9.09	42	3S161G	45.26	72
2S403B	10.66	35	2Z160W	9.09	42	3S161G	45.26	25
2S403E	10.66	35	2Z161B	9.63	43	3S162G	56.43	72
2S403G	10.66	35	2Z161G	9.63	43	3S162G	56.43	26
2S403W	10.66	35	2Z161W	9.63	43	3S163B	45.26	26
2S498B	11.54	54	2Z163B	9.86	43	3S163G	45.26	26
2S499B	11.54	54	2Z163G	9.86	43	3S163G	45.26	72
2S503B	12.04	54	2Z163W	9.86	43	3S190B	80.55	27
2V411G	244.41	54	2Z190B	13.28	43	3S190G	80.55	27
2V414G	154.39	54	2Z190G	13.28	43	3S210G	80.55	28
2V415G	19.59	54	2Z190W	13.28	43	3S274B	88.93	30
2V416G	19.59	54	2Z210B	17.19	44	3S274G	88.93	74
2V418G	25.82	54	2Z210G	17.19	44	3S274G	88.93	30
2V502G	138.86	54	2Z210W	17.19	44	3S288B	59.22	41
2W073G	23.66	49	2Z230W	31.44	44	3S292B	44.02	37
2W073W	23.66	49	2Z260B	8.25	43	3S292B	44.02	31
2W081G	2.01	49	2Z260G	8.25	43	3S292G	44.02	71
2W081W	2.01	49	2Z260W	8.25	43	3S292G	44.02	31
2W086G	7.02	51	2Z292B	9.48	44	3S292G	44.02	37
2W086W	7.02	51	2Z292G	9.48	44	3S300B	18.29	40
2W088G	6.27	51	2Z292W	9.48	44	3S300G	19.35	71
2W088W	6.27	51	2Z347G	8.46	45	3S302B	16.02	40
2W102G	7.30	50	2Z349G	8.01	45	3S302G	16.02	71
2W102G	7.30	44	2Z359G	15.37	43	3S302G	16.02	40
2W102G •	7.30	89	2Z359G •	15.37	89	3S319B	21.07	30
2W105G	7.18	49	3CS190SG	80.55	73	3S319G	21.07	30
2W105W	7.18	49	3CS649SG	43.20	74	3S414G	155.03	71
2W160G	7.18	49	3S042G	73.30	23	3S414G	155.03	40
2W160W	7.18	49	3S043B	101.32	23	3S435G	47.15	68
2W163G	7.59	50	3S043G	101.32	72	3S435G	47.15	27
2W163W	7.59	50	3S043G	101.32	23	3S440B	55.64	27
2W190G	7.02	50	3S044B	132.67	23	3S440G	55.64	68
2W190W	7.02	50	3S044G	132.67	72	3S440G	55.64	27
2W260W	7.02	50	3S044G	132.67	23	3S530B	123.99	41
2W292G	7.18	50	3S074B	132.15	23	3S649B	43.20	29
2W292W	7.18	50	3S074G	132.15	67	3S649G	43.20	29
2Z073B	27.43	42	3S074G	132.15	23	4A830W	6.65	82
2Z073W	27.43	42	3S082B	10.17	23	4A830W	6.65	55
2Z074G	36.58	42	3S082G	10.17	67	4CS319SE	17.67	70
2Z081B	2.68	42	3S082G	10.17	23	4CS474SE	92.05	71
2Z081G	2.68	42	3S083B	13.16	23	4CS491SE	324.51	69
2Z081W	2.68	42	3S083G	13.16	67	4CS574SE	92.05	71
2Z086B	6.31	45	3S083G	13.16	23	4CS585SE	25.33	70
2Z086G	6.31	45	3S094B	46.70	25	4CS586SE	25.33	70
2Z086W	6.31	45	3S094G	46.70	72	4CS588SE	18.95	70



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4CS590SE	36.70	74	4M190B	12.75	76	4S083E	11.28	32
4CS829SE	183.37	69	4M190E	12.75	47	4S083E	11.28	23
4CS830SE	186.01	73	4M190E	12.75	76	4S083E	11.28	67
4CS831SE	183.37	69	4M190W	12.75	47	4S083G	11.28	23
4CS832SE	183.37	69	4M190W	12.75	76	4S083G	11.28	32
4CS834SE	183.37	69	4M260B	10.30	47	4S083W	11.28	23
4CS852SE	155.48	73	4M260B	10.30	76	4S083W	11.28	32
4CS889SE	75.49	69	4M260E	10.30	47	4S084	25.10	24
4CS890SE	73.26	69	4M260E	10.30	76	4S084	25.10	32
4CS891SE	74.39	73	4M260W	10.30	47	4S084	25.10	67
4CS892SE	73.29	69	4M260W	10.30	76	4S085	167.89	67
4CS893SE	139.01	69	4M292B	7.89	47	4S085	167.89	32
4CS895SE	76.25	70	4M292B	7.89	76	4S085	167.89	24
4CS896SE	96.41	73	4M292E	7.89	47	4S086	81.57	67
4CS897SE	76.25	70	4M292E	7.89	76	4S086	81.57	32
4M073B	28.37	46	4M292W	7.89	47	4S086	81.57	24
4M073B	28.37	75	4M292W	7.89	76	4S095B	40.31	33
4M073E	28.37	46	4S042B	65.82	23	4S095B	40.31	25
4M073E	28.37	75	4S042G	65.82	23	4S095E	40.31	72
4M073W	28.37	46	4S043B	88.67	23	4S095G	40.31	25
4M073W	28.37	75	4S043G	88.67	23	4S095G	40.31	33
4M081B	1.30	46	4S043W	88.67	23	4S096B	43.95	25
4M081B	1.30	75	4S044B	119.63	23	4S096E	43.95	72
4M081E	1.30	46	4S044E	119.63	72	4S096G	43.95	25
4M081E	1.30	75	4S044G	119.63	23	4S097G	46.29	25
4M081W	1.30	46	4S044W	119.63	23	4S098G	46.29	25
4M081W	1.30	75	4S050G	79.97	23	4S104B	19.12	24
4M104B	5.34	46	4S073B	85.30	32	4S104B	19.12	33
4M104B	5.34	75	4S073B	85.30	23	4S104E	19.12	33
4M104E	5.34	46	4S073E	85.30	67	4S104E	19.12	24
4M104E	5.34	75	4S073E	85.30	32	4S104E	19.12	67
4M104W	5.34	46	4S073E	85.30	23	4S104G	19.12	24
4M104W	5.34	75	4S073G	85.30	23	4S104G	19.12	33
4M124E	11.28	46	4S073G	85.30	32	4S104W	19.12	24
4M124E	11.28	75	4S073W	85.30	23	4S104W	19.12	33
4M124W	11.28	46	4S073W	85.30	32	4S105B	41.27	33
4M124W	11.28	75	4S074B	113.72	23	4S105B	41.27	24
4M160B	7.98	46	4S074B	113.72	32	4S105E	41.27	72
4M160B	7.98	75	4S074E	113.72	32	4S105G	41.27	24
4M160E	7.98	46	4S074E	113.72	23	4S105G	41.27	33
4M160E	7.98	75	4S074E	113.72	67	4S105W	41.27	24
4M160W	7.98	46	4S074G	113.72	23	4S105W	41.27	33
4M160W	7.98	75	4S074G	113.72	32	4S106G	56.24	25
4M161B	9.76	47	4S074W	113.72	23	4S107E	34.62	72
4M161B	9.76	76	4S074W	113.72	32	4S116B	8.31	31
4M161E	9.76	47	4S082B	8.69	32	4S116G	8.31	31
4M161E	9.76	76	4S082B	8.69	23	4S116W	8.31	31
4M161W	9.76	47	4S082E	8.69	32	4S120W	22.76	79
4M161W	9.76	76	4S082E	8.69	23	4S120W	22.76	39
4M163B	7.41	47	4S082E	8.69	67	4S121W	24.27	79
4M163B	7.41	76	4S082G	8.69	23	4S121W	24.27	39
4M163E	7.41	47	4S082G	8.69	32	4S124B	19.90	33
4M163E	7.41	76	4S082W	8.69	23	4S124B	19.90	24
4M163W	7.41	47	4S082W	8.69	32	4S124E	19.90	33
4M163W	7.41	76	4S083B	11.28	32	4S124E	19.90	24
4M190B	12.75	47	4S083B	11.28	23	4S124E	19.90	67



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Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no
4S124G	19.90	24	4S230W	186.01	28	4S300W	17.05	40
4S124G	19.90	33	4S250G	231.89	28	4S302B	12.20	40
4S124W	19.90	24	4S260B	59.54	34	4S302E	12.20	40
4S124W	19.90	33	4S260E	59.54	68	4S302E	12.20	71
4S125B	30.23	33	4S260E	59.54	34	4S302G	12.20	40
4S125B	30.23	24	4S260G	59.54	34	4S302W	12.20	40
4S125E	30.23	67	4S263B	56.05	34	4S303W	92.32	80
4S125E	30.23	33	4S263E	56.05	68	4S303W	92.32	45
4S125E	30.23	24	4S263E	56.05	34	4S303W	92.32	40
4S125G	30.23	24	4S263G	56.05	34	4S303W	92.32	51
4S125G	30.23	33	4S268B	54.08	34	4S304W	208.64	40
4S130G	5.99	31	4S268E	54.08	34	4S304W	208.64	80
4S149	17.89	12	4S268E	54.08	68	4S306G	135.49	40
4S149	17.89	7	4S268G	54.08	34	4S308B	148.96	40
4S159	19.06	7	4S274B	89.22	31	4S310B	61.61	40
4S159	19.06	13	4S274G	89.22	31	4S310E	61.61	40
4S160B	58.54	26	4S274W	89.22	31	4S310E	61.61	71
4S160G	58.54	26	4S275B	47.25	37	4S310G	61.61	40
4S160W	58.54	26	4S275B	47.25	31	4S310W	61.61	40
4S161B	52.70	25	4S275G	47.25	31	4S319B	17.67	36
4S161E	52.70	72	4S275G	47.25	37	4S319B	17.67	30
4S161G	52.70	25	4S281G	165.94	80	4S319E	17.67	36
4S161W	52.70	25	4S281G	165.94	40	4S319E	17.67	30
4S162G	75.63	26	4S283G	159.84	40	4S319G	17.67	30
4S163B	52.70	26	4S283G	159.84	80	4S319G	17.67	36
4S163G	52.70	26	4S288B	88.38	41	4S319W	17.67	30
4S163W	52.70	26	4S288G	88.38	41	4S319W	17.67	36
4S164B	75.05	26	4S290B	73.29	34	4S321B	21.75	30
4S164G	75.05	26	4S290E	73.29	34	4S321G	21.75	30
4S166G	58.36	26	4S290G	73.29	34	4S321W	21.75	30
4S167G	67.15	26	4S291G	292.82	28	4S322B	21.75	30
4S169B	123.98	30	4S292B	41.20	31	4S322G	21.75	30
4S169G	123.98	30	4S292B	41.20	37	4S322W	21.75	30
4S169W	123.98	30	4S292E	41.20	37	4S323G	27.63	30
4S173E	66.20	72	4S292E	41.20	31	4S326B	104.31	20
4S173G	66.20	26	4S292E	41.20	71	4S326B	104.31	22
4S179G	74.86	26	4S292G	41.20	31	4S326B	104.31	41
4S190B	74.39	27	4S292G	41.20	37	4S326G	104.31	22
4S190G	74.39	27	4S292W	41.20	31	4S326G	104.31	41
4S190W	74.39	27	4S292W	41.20	37	4S361G	51.88	26
4S195B	96.41	28	4S296B	29.05	37	4S363B	51.88	26
4S195G	96.41	28	4S296B	29.05	31	4S363G	51.88	26
4S195W	96.41	28	4S296E	29.05	71	4S363W	51.88	26
4S200B	107.89	28	4S296E	29.05	37	4S369G	142.46	30
4S200G	107.89	28	4S296E	29.05	31	4S374G	90.59	31
4S205B	35.56	24	4S296G	29.05	31	4S380G	21.93	41
4S205G	35.56	24	4S296G	29.05	37	4S380G	21.93	80
4S205W	35.56	24	4S296W	29.05	31	4S383G	25.41	41
4S206B	59.50	25	4S296W	29.05	37	4S384G	34.20	41
4S206B	59.50	33	4S298	20.20	25	4S384G	34.20	80
4S210B	110.57	28	4S298	20.20	80	4S385G	74.44	41
4S210G	110.57	28	4S299	23.26	25	4S385G	74.44	80
4S220B	107.89	28	4S299	23.26	80	4S391G	28.54	41
4S220G	107.89	28	4S300B	17.05	40	4S391G	28.54	80
4S230B	186.01	28	4S300E	18.04	71	4S392	49.68	41
4S230G	186.01	28	4S300G	17.05	40	4S392	49.68	80



Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no
4S394G	36.02	41	4S483B	22.76	35	4S588W	18.95	29
4S395G	83.62	28	4S483E	22.76	35	4S588W	18.95	36
4S410B	82.81	35	4S483E	22.76	70	4S589B	30.81	30
4S410E	82.81	35	4S483G	22.76	35	4S589G	30.81	30
4S410E	82.81	69	4S484B	22.76	36	4S589W	30.81	30
4S410G	82.81	35	4S484E	22.76	36	4S590B	36.70	30
4S414G	171.99	40	4S484E	22.76	70	4S590B	36.70	36
4S414G	171.99	71	4S484G	22.76	36	4S590E	36.70	36
4S416B	9.22	33	4S490B	73.26	34	4S590E	36.70	30
4S416E	9.22	68	4S490E	73.26	34	4S590G	36.70	36
4S416E	9.22	33	4S490G	73.26	34	4S595E	91.12	74
4S416G	9.22	33	4S491B	324.51	35	4S595G	91.12	27
4S430B	183.37	35	4S491E	324.51	35	4S597E	82.87	34
4S430E	183.37	35	4S491G	324.51	35	4S597E	82.87	70
4S430G	183.37	35	4S492B	51.90	37	4S597G	82.87	27
4S435B	49.18	27	4S492E	51.90	37	4S597G	82.87	34
4S435B	49.18	34	4S492E	51.90	71	4S600W	38.28	79
4S435E	49.18	34	4S492G	51.90	37	4S600W	38.28	39
4S435E	49.18	27	4S493B	139.01	36	4S601W	262.58	38
4S435E	49.18	68	4S493E	139.01	36	4S601W	262.58	78
4S435G	49.18	27	4S493G	139.01	36	4S602W	262.58	38
4S435G	49.18	34	4S495B	76.25	35	4S602W	262.58	78
4S435W	49.18	27	4S495E	76.25	35	4S603W	262.58	78
4S435W	49.18	34	4S495G	76.25	35	4S603W	262.58	38
4S440B	67.47	27	4S496B	39.65	33	4S604W	262.58	78
4S440E	67.47	68	4S496E	39.65	33	4S604W	262.58	38
4S440G	67.47	27	4S496E	39.65	68	4S605W	262.58	78
4S440W	67.47	27	4S496G	39.65	33	4S605W	262.58	38
4S444B	67.47	27	4S502B	167.89	30	4S606W	262.58	78
4S444G	67.47	27	4S502G	167.89	30	4S606W	262.58	38
4S444W	67.47	27	4S561B	65.73	26	4S612W	262.58	38
4S445B	75.05	27	4S561G	65.73	26	4S612W	262.58	78
4S445G	75.05	27	4S561W	65.73	26	4S613W	262.58	38
4S445W	75.05	27	4S574B	92.05	36	4S613W	262.58	78
4S450B	54.88	34	4S574E	92.05	36	4S614W	262.58	38
4S450E	54.88	34	4S574G	92.05	36	4S614W	262.58	78
4S450E	54.88	68	4S581B	56.53	29	4S615W	262.58	38
4S450G	54.88	34	4S581G	56.53	29	4S615W	262.58	78
4S461B	51.82	33	4S582B	45.28	29	4S616W	262.58	78
4S461E	51.82	68	4S582G	45.28	29	4S711W	47.30	78
4S461E	51.82	33	4S583B	21.96	29	4S711W	47.30	38
4S461G	51.82	33	4S583G	21.96	29	4S745W	52.47	79
4S461W	51.82	33	4S583W	21.96	29	4S745W	52.47	38
4S462B	56.05	34	4S584B	19.09	29	4S771W	67.68	38
4S462G	56.05	34	4S584G	19.09	29	4S771W	67.68	78
4S463B	51.75	34	4S584W	19.09	29	4S772W	58.74	38
4S463E	51.75	68	4S585B	25.33	36	4S772W	58.74	78
4S463E	51.75	34	4S585E	25.33	36	4S790W	67.47	39
4S463G	51.75	34	4S585G	25.33	36	4S790W	67.47	79
4S469B	130.60	36	4S586B	25.33	36	4S791W	39.89	38
4S469E	130.60	36	4S586E	25.33	36	4S791W	39.89	78
4S469E	130.60	70	4S586G	25.33	36	4S792W	42.21	38
4S469G	130.60	36	4S588B	18.95	29	4S792W	42.21	78
4S474B	92.05	36	4S588B	18.95	36	4T731B	9.65	12
4S474E	92.05	36	4S588G	18.95	29	4T731W	9.65	12
4S474G	92.05	36	4S588G	18.95	36			



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Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no
4T803B	19.27	10	4T835B	47.08	13	4V814W	32.18	52
4T803N	19.27	10	4T835N	47.08	13	4V816W	32.18	52
4T803W	19.27	10	4T835W	47.08	13	4V825W	30.79	81
4T804B	26.77	11	4T836B	16.43	12	4V825W	30.79	53
4T804N	26.77	11	4T836W	16.43	12	4V901W	26.47	52
4T804W	26.77	11	4T837B	20.50	12	4W073B	12.16	49
4T805B	11.96	10	4T837W	20.50	12	4W073G	12.16	49
4T805N	11.96	10	4T838B	23.04	13	4W073W	12.16	49
4T805W	11.96	10	4T838N	23.04	13	4W081B	1.22	49
4T806B	19.87	10	4T838W	23.04	13	4W081G	1.22	49
4T806N	19.87	10	4T855B	64.63	13	4W081W	1.22	49
4T806W	19.87	10	4T858B	64.63	13	4W102B	7.59	44
4T807B	21.07	10	4T860G	3.00	14	4W102B	7.59	50
4T807N	21.07	10	4T861G	3.06	14	4W102G	7.59	44
4T807W	21.07	10	4T862B	24.51	13	4W102G	7.59	50
4T809B	19.08	10	4T862N	24.51	13	4W102W	7.59	44
4T809N	19.08	10	4T862W	24.51	13	4W102W	7.59	50
4T809W	19.08	10	4T864B	3.01	14	4W105B	3.98	49
4T810B	7.63	10	4T872B	27.20	10	4W105G	3.98	49
4T810N	7.63	10	4T872N	27.20	10	4W105W	3.98	49
4T810W	7.63	10	4T872W	27.20	10	4W160B	3.68	49
4T811B	8.81	10	4T874B	54.43	10	4W160G	3.68	49
4T811N	8.81	10	4T874N	54.43	10	4W160W	3.68	49
4T811W	8.81	10	4T874W	54.43	10	4W161B	3.98	49
4T816B	2.80	14	4T882B	29.00	12	4W161G	3.98	49
4T816N	2.80	14	4T882N	29.00	12	4W161W	3.98	49
4T816W	2.80	14	4T882W	29.00	12	4W163B	3.98	50
4T818B	32.33	11	4T884B	59.39	12	4W163G	3.98	50
4T818W	32.33	11	4T884N	59.39	12	4W163W	3.98	50
4T819B	5.15	10	4T884W	59.39	12	4W166B	3.68	50
4T819N	5.15	10	4T886B	40.98	12	4W166W	3.68	50
4T819W	5.15	10	4T886N	40.98	12	4W190B	4.24	50
4T823B	18.13	12	4T886W	40.98	12	4W190G	4.24	50
4T823N	18.13	12	4T888B	81.72	12	4W190W	4.24	50
4T823W	18.13	12	4T888N	81.72	12	4W260B	4.24	50
4T824B	20.03	12	4T888W	81.72	12	4W260G	4.24	50
4T824N	20.03	12	4T894B	21.46	11	4W260W	4.24	50
4T824W	20.03	12	4T999B	100.41	11	4W292B	3.98	50
4T825B	11.48	13	4T999N	100.41	11	4W292G	3.98	50
4T825N	11.48	13	4T999W	100.41	11	4W292W	3.98	50
4T825W	11.48	13	4V003W	2.65	55	4Z073B	17.31	42
4T826B	14.25	13	4V801W	18.48	81	4Z073W	17.31	42
4T826N	14.25	13	4V801W	18.48	52	4Z074G	23.08	42
4T826W	14.25	13	4V803W	22.62	81	4Z081B	1.30	42
4T830B	59.39	13	4V803W	22.62	52	4Z081G	1.30	42
4T830N	59.39	13	4V804W	34.69	52	4Z081W	1.30	42
4T830W	59.39	13	4V806W	20.09	53	4Z104B	3.69	42
4T832B	17.01	13	4V806W	20.09	81	4Z104G	3.69	42
4T832N	17.01	13	4V807W	27.43	52	4Z104W	3.69	42
4T832W	17.01	13	4V808W	34.87	52	4Z120W	5.38	44
4T833B	6.82	12	4V809W	19.38	81	4Z124G	7.75	42
4T833N	6.82	12	4V809W	19.38	52	4Z124W	7.75	27
4T833W	6.82	12	4V811W	16.46	53	4Z124W	7.75	42
4T834B	5.80	12	4V812W	24.13	81	4Z124W	7.75	74
4T834N	5.80	12	4V812W	24.13	52	4Z124W•	7.75	65
4T834W	5.80	12	4V814W	32.18	82	4Z127W	10.81	45



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4Z127W	10.81	80	5M160E	9.39	46	5V407W	48.34	56
4Z128W	10.21	80	5M160E	9.39	75	5V407W	48.34	84
4Z128W	10.21	45	5M160W	9.39	46	5V468W	55.45	56
4Z160B	4.91	42	5M160W	9.39	75	5V468W	55.45	84
4Z160G	4.91	42	5M161B	11.78	47	5V801W	21.03	52
4Z160W	4.91	42	5M161B	11.78	76	5V801W	21.03	81
4Z161B	5.16	43	5M161E	11.78	47	5V802W	24.59	81
4Z161G	5.16	43	5M161E	11.78	76	5V802W	24.59	53
4Z161W	5.16	43	5M161W	11.78	47	5V803W	33.88	52
4Z163B	4.62	43	5M161W	11.78	76	5V803W	33.88	81
4Z163G	4.62	43	5M163B	8.33	47	5V805W	37.09	81
4Z163W	4.62	43	5M163B	8.33	76	5V805W	37.09	52
4Z185W	12.86	44	5M163E	8.33	47	5V806W	16.68	53
4Z190B	6.12	43	5M163E	8.33	76	5V806W	16.68	81
4Z190G	6.12	43	5M163W	8.33	47	5V807W	31.95	81
4Z190W	6.12	43	5M163W	8.33	76	5V807W	31.95	52
4Z210W	9.69	44	5M190B	14.53	47	5V808W	41.82	81
4Z260B	6.69	43	5M190B	14.53	76	5V808W	41.82	52
4Z260G	6.69	43	5M190E	14.53	47	5V809W	25.75	52
4Z260W	6.69	43	5M190E	14.53	76	5V809W	25.75	81
4Z263B	3.92	43	5M190W	14.53	47	5V811W	17.87	53
4Z263W	3.92	43	5M190W	14.53	76	5V812W	29.55	52
4Z292B	5.10	44	5M260B	12.43	47	5V812W	29.55	81
4Z292G	5.10	44	5M260B	12.43	76	5V814W	40.61	52
4Z292W	5.10	44	5M260E	12.43	47	5V814W	40.61	82
4Z343G	4.43	56	5M260E	12.43	76	5V816W	40.62	52
4Z343G	4.43	45	5M260W	12.43	47	5V823W	40.52	53
4Z363W	7.93	82	5M260W	12.43	76	5V842W	34.24	53
4Z363W	7.93	44	5M292B	7.75	47	5V846W	31.20	53
4Z364W	5.15	44	5M292B	7.75	76	5V846W	31.20	81
5A830W	7.14	55	5M292E	7.75	47	5V848W	78.45	53
5A830W	7.14	82	5M292E	7.75	76	5V860W	68.91	53
5M073B	30.95	46	5M292W	7.75	47	5V864W	37.25	82
5M073B	30.95	75	5M292W	7.75	76	5V864W	37.25	54
5M073E	30.95	46	5M455B	4.96	48	5V869W	54.67	54
5M073E	30.95	75	5M455B	4.96	77	5V870W	31.85	54
5M073W	30.95	46	5M455E	4.96	48	5V870W	31.85	82
5M073W	30.95	75	5M455E	4.96	77	5V871W	17.06	54
5M081B	1.32	46	5M455W	4.96	48	5V871W	17.06	82
5M081B	1.32	75	5M455W	4.96	77	5V901W	27.02	52
5M081E	1.32	46	5T503B	29.18	19	5V902W	19.67	52
5M081E	1.32	75	5T504B	33.26	19	5W073B	14.07	49
5M081W	1.32	46	5T508B	26.08	19	5W073G	14.07	49
5M081W	1.32	75	5T509B	17.47	19	5W073W	14.07	49
5M104B	6.73	46	5T510B	8.48	19	5W081B	1.15	49
5M104B	6.73	75	5T511B	12.79	19	5W081G	1.15	49
5M104E	6.73	46	5T516B	3.00	20	5W081W	1.15	49
5M104E	6.73	75	5T519B	6.37	19	5W084B	3.68	51
5M104W	6.73	46	5T564B	3.24	20	5W084G	3.68	51
5M104W	6.73	75	5T574B	78.63	19	5W084W	3.68	51
5M124E	11.78	46	5T594B	28.08	19	5W102B	7.59	44
5M124E	11.78	75	5T595B	28.97	20	5W102B	7.59	50
5M124W	11.78	46	5T596B	30.65	20	5W102G	7.59	44
5M124W	11.78	75	5T999B	116.87	19	5W102G	7.59	50
5M160B	9.39	46	5V002W	2.15	55	5W102G •	7.59	89
5M160B	9.39	75	5V407W	48.34	54	5W102W	7.59	44



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Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no
5W102W	7.59	50	5Z190B	6.45	43	6S104G	46.30	33
5W105B	4.24	49	5Z190G	6.45	43	6S105E	116.28	72
5W105G	4.24	49	5Z190W	6.45	43	6S105G	116.28	24
5W105W	4.24	49	5Z210B	11.78	44	6S105G	116.28	33
5W160B	3.69	49	5Z210G	11.78	44	6S124B	68.12	24
5W160G	3.69	49	5Z210W	11.78	44	6S124B	68.12	33
5W160W	3.69	49	5Z230W	20.76	44	6S124E	68.12	67
5W161B	3.98	49	5Z260B	6.50	43	6S124G	68.12	24
5W161G	3.98	49	5Z260G	6.50	43	6S124G	68.12	33
5W161W	3.98	49	5Z260W	6.50	43	6S130G	10.92	31
5W163B	3.68	50	5Z263B	4.56	43	6S161G	178.45	25
5W163G	3.68	50	5Z263G	4.56	43	6S163G	178.45	26
5W163W	3.68	50	5Z263W	4.56	43	6S190G	322.30	27
5W166B	3.68	50	5Z292B	5.36	44	6S198G	248.39	28
5W166G	3.68	50	5Z292G	5.36	44	6S210G	322.30	28
5W166W	3.68	50	5Z292W	5.36	44	6S218G	248.39	28
5W185B	4.72	51	5Z344G	4.56	45	6S238G	438.96	28
5W190B	3.69	50	5Z363W	7.93	44	6S274G	241.70	31
5W190G	3.69	50	5Z363W	7.93	82	6S292B	90.09	31
5W190W	3.69	50	5Z364W	5.80	44	6S292B	90.09	37
5W260B	4.24	50	5Z455B	3.47	45	6S292G	90.09	31
5W260G	4.24	50	5Z455G	3.47	45	6S292G	90.09	37
5W260W	4.24	50	5Z455W	3.47	45	6S302G	45.76	40
5W292B	3.68	50	6CS218SE	322.30	73	6S323G	42.82	30
5W292G	3.68	50	6CS474SE	196.88	71	6S416E	23.73	33
5W292W	3.68	50	6CS897SE	179.81	73	6S416E	23.73	68
5Z073B	21.39	42	6S043E	330.26	72	6S440G	199.43	27
5Z073W	21.39	42	6S043G	330.26	23	6S461B	136.50	33
5Z074G	28.47	42	6S044G	429.73	23	6S461E	136.50	33
5Z081B	1.32	42	6S074B	397.87	23	6S461E	136.50	68
5Z081G	1.32	42	6S074B	397.87	32	6S461G	136.50	33
5Z081W	1.32	42	6S074E	397.87	32	6S463B	139.81	34
5Z085B	4.62	45	6S074E	397.87	23	6S463E	139.81	34
5Z085G	4.62	45	6S074E	397.87	67	6S463E	139.81	68
5Z085W	4.62	45	6S074G	397.87	23	6S463G	139.81	34
5Z104B	3.79	42	6S074G	397.87	32	6S474B	196.88	36
5Z104G	3.79	42	6S082B	31.88	23	6S474G	196.88	36
5Z104W	3.79	42	6S082B	31.88	32	6S490B	233.07	34
5Z120W	5.38	44	6S082E	31.88	32	6S490E	233.07	34
5Z124G	7.57	42	6S082E	31.88	67	6S490E	233.07	69
5Z124W	7.57	66	6S082G	31.88	23	6S490G	233.07	34
5Z124W	7.57	42	6S082G	31.88	32	6S498B	179.81	35
5Z127W	11.43	45	6S084	52.96	24	6S498E	179.81	35
5Z127W	11.43	80	6S084	52.96	32	6S498G	179.81	35
5Z128W	10.81	45	6S084	52.96	67	6S499B	74.74	33
5Z128W	10.81	80	6S086	116.28	24	6S499E	74.74	33
5Z160B	5.80	42	6S086	116.28	32	6S499E	74.74	68
5Z160G	5.80	42	6S086	116.28	67	6S499G	74.74	33
5Z160W	5.80	42	6S099E	103.18	72	6T603B	90.52	21
5Z161B	6.16	43	6S099G	103.18	25	6T603G	90.52	21
5Z161G	6.16	43	6S104B	46.30	24	6T606B	64.45	21
5Z161W	6.16	43	6S104B	46.30	33	6T606G	64.45	21
5Z163B	5.16	43	6S104E	46.30	33	6T609B	46.93	21
5Z163G	5.16	43	6S104E	46.30	24	6T609G	46.93	21
5Z163W	5.16	43	6S104E	46.30	67	6T610B	11.04	21
5Z185W	13.33	44	6S104G	46.30	24	6T610G	11.04	21



Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no
6T611B	31.97	21	9T903W	23.07	17	15UH211	p/pack 37.82	119
6T611G	31.97	21	9T904AG	26.44	18	15UH231	0.11	116
6T616B	3.35	22	9T904B	26.44	18	15UH232	14.11	116
6T616G	3.35	22	9T904G	26.44	18	15UH234	35.28	116
6T619B	16.43	21	9T904N	26.44	18	15UH237	455.54	116
6T619G	16.43	21	9T904W	26.44	18	15UH238	0.40	116
6T664B	3.65	22	9T906AG	17.84	17	15UH308	244.27	120
6T674B	158.56	21	9T906B	17.84	17	15UH311	78.35	120
6T674G	158.56	21	9T906G	17.84	17	15UH385	134.31	121
6T694B	35.59	21	9T906N	17.84	17	15UH386	134.31	121
6T694G	35.59	21	9T906W	17.84	17	15UH402	30.37	121
6T695B	31.78	21	9T909AG	14.51	17	15UH408	142.50	121
6T696B	33.63	22	9T909B	14.51	17	15UH472	51.87	121
6T999B	162.24	21	9T909G	14.51	17	15UH475	134.31	121
6T999G	171.61	21	9T909N	14.51	17	15UH476	134.31	121
8T806B	22.46	15	9T909W	14.51	17	15UH492	253.07	121
8T806W	22.46	15	9T910AG	6.34	17	15UH494	9.52	121
8T807B	21.75	15	9T910B	6.34	17	15UH495	18.09	121
8T807W	21.75	15	9T910G	6.34	17	15UH510	121.40	119
8T808B	21.75	15	9T910N	6.34	17	15UH511	47.30	119
8T808W	21.75	15	9T910W	6.34	17	15UH512	412.27	119
8T809B	17.59	15	9T911AG	8.93	17	15UH513	124.57	119
8T809W	17.59	15	9T911B	8.93	17	15UH524	36.12	121
8T816B	2.64	16	9T911G	8.93	17	15UH529	10.80	120
8T816W	2.64	16	9T911N	8.93	17	15UH550	69.21	119
8T819B	6.52	15	9T911W	8.93	17	15UH551	136.25	120
8T819W	6.52	15	9T916AG	2.43	18	15UH552	201.68	120
8T840B	9.89	15	9T916B	2.43	18	15UH553	241.44	120
8T840W	9.89	15	9T916G	2.43	18	15UH554	282.18	120
8T841B	13.83	15	9T916N	2.43	18	15UH555	334.37	120
8T841W	13.83	15	9T916W	2.43	18	15UH556	367.38	120
8T843B	25.89	15	9T919AG	5.05	17	15UH557	406.74	120
8T843W	25.89	15	9T919B	5.05	17	15UH558	479.05	120
8T844B	27.23	16	9T919G	5.05	17	15UH559	527.46	120
8T844W	27.23	16	9T919N	5.05	17	15UH560	575.07	120
8T849B	8.68	15	9T919W	5.05	17	15UH561	634.03	120
8T849W	8.68	15	9T964B	2.40	18	15UH562	668.30	120
8T850B	9.89	15	9T974AG	59.65	17	15UH565	7.22	119
8T850W	9.89	15	9T974B	59.65	17	15UH566	6.82	120
8T851B	13.83	15	9T974G	59.65	17	15UH567	46.52	120
8T851W	13.83	15	9T974N	59.65	17	15UH568	7.79	120
8T853B	23.03	15	9T974W	59.65	17	15UH569	2.12	120
8T853W	23.03	15	9T994AG	23.51	18	15UH605	13.43	118
8T854B	27.23	16	9T994B	23.51	18	15UH606	5.75	118
8T854W	27.23	16	9T994G	23.51	18	15UH607	19.68	119
8T864B	2.51	16	9T999B	101.66	18	15UH608	29.24	118
8T874B	72.37	15	9T999G	101.66	18	15UH610	27.38	118
8T874W	72.37	15	9T999N	101.66	18	15UH612	3.16	118
8T894B	25.80	16	9T999W	101.66	18	15UKPK1	965.19	117
8T894W	25.80	16	10UH232	14.11	116	15UKPK2	993.42	117
8T999B	111.43	16	10UH529	10.80	120	15UKPK3	1027.29	117
8T999W	111.43	16	10UH600	20.38	118	16UH529	10.80	120
9T903AG	23.07	17	10UH601	44.48	118	3003458	54.18	85
9T903B	23.07	17	10UH602	48.87	118	3003459	67.89	85
9T903G	23.07	17	10UH603	46.69	118	3003460	97.67	85
9T903N	23.07	17	10UH604	16.39	118	3003461	152.63	85



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Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no
3003462	203.56	85	3003603	8.97	87	3003689	67.32	89
3003463	324.24	85	3003605 <sup>Δ</sup>	16.48	87	3003690 <sup>Δ</sup>	62.36	88
3003464	504.01	85	3003619 <sup>Δ</sup>	46.12	91	3003691 <sup>Δ</sup>	51.46	89
3003465	19.29	85	3003620 <sup>Δ</sup>	45.81	91	3003698*	134.08	89
3003466	22.85	85	3003621 <sup>Δ</sup>	92.59	91	3003702*	133.51	89
3003467	31.44	85	3003622	6.75	87	3003704*	191.88	89
3003468	36.35	85	3003633	7.04	88	3003705*	224.42	88
3003477	26.91	85	3003634 <sup>Δ</sup>	8.31	88	3003707Q <sup>Δ</sup>	187.38	88
3003478	6.11	92	3003635Q <sup>Δ</sup>	6.84	87	3003709*	248.35	88
3003479	6.25	92	3003637Q	7.23	88	3003710*	248.51	88
3003480	6.46	92	3003638	6.99	88	3003713* <sup>Δ</sup>	271.78	89
3003481	8.99	92	3003639Q	4.61	88	3003716*	224.42	89
3003482	8.76	92	3003641	7.83	88	3003718*	415.23	88
3003483	9.20	92	3003642	8.31	89	3003719*	420.37	88
3003484	16.27	92	3003643Q	9.08	88	3003723*	396.75	88
3003485	21.06	92	3003645Q	8.61	88	3003724	6.38	87
3003489	6.26	92	3003646 <sup>Δ</sup>	8.26	88	3003725Q	6.15	87
3003493	5.98	92	3003647Q	6.01	88	3003726	6.75	88
3003494 <sup>Δ</sup>	5.98	92	3003648 <sup>Δ</sup>	10.53	89	3003727	6.73	88
3003495	8.50	92	3003649	7.87	88	3003728	24.65	87
3003496 <sup>Δ</sup>	8.50	92	3003650	8.26	88	3003730 <sup>Δ</sup>	22.11	87
3003497	10.78	92	3003651Q <sup>Δ</sup>	15.87	88	3003732 <sup>Δ</sup>	20.94	91
3003498 <sup>Δ</sup>	17.17	92	3003652	10.50	89	3003734 <sup>Δ</sup>	26.67	91
3003499	33.88	92	3003654Q	11.78	88	3003736	29.23	91
3003505	11.83	92	3003655	10.57	89	3003738Q <sup>Δ</sup>	40.44	91
3003506	11.68	92	3003656Q	13.47	88	3003739	38.79	91
3003507	13.98	92	3003657	10.53	89	3003740	40.22	91
3003508	14.85	92	3003658Q <sup>Δ</sup>	16.38	88	3003741 <sup>Δ</sup>	48.53	91
3003509	15.23	92	3003659 <sup>Δ</sup>	10.53	89	3003743	95.87	91
3003510	15.62	92	3003660Q <sup>Δ</sup>	17.60	88	3003755	45.53	91
3003511 <sup>Δ</sup>	23.74	92	3003661 <sup>Δ</sup>	15.44	89	3003756	45.15	91
3003512	43.10	92	3003662	13.64	88	3003776 <sup>Δ</sup>	54.96	91
3003513*	199.76	92	3003663	12.12	89	3003777	61.00	91
3003515	506.20	92	3003664 <sup>Δ</sup>	13.07	88	3003791 <sup>Δ</sup>	107.45	87
3003516 <sup>Δ</sup>	32.41	93	3003665	12.53	89	3003792	14.88	87
3003528 <sup>Δ</sup>	38.84	93	3003666	13.43	88	3003796 <sup>Δ</sup>	4.40	85
3003550 <sup>Δ</sup>	24.57	91	3003667	12.53	89	3003797 <sup>Δ</sup>	4.40	85
3003554 <sup>Δ</sup>	23.95	91	3003668	13.43	88	3003798	3.24	85
3003569	4.05	86	3003669 <sup>Δ</sup>	12.95	89	3003800 <sup>Δ</sup>	4.76	85
3003570 <sup>†</sup>	4.46	87	3003670	13.56	88	3003801 <sup>Δ</sup>	4.76	85
3003572	5.13	86	3003671	12.07	89	3003803 <sup>Δ</sup>	4.89	85
3003573 <sup>†</sup>	6.33	87	3003672Q <sup>Δ</sup>	16.51	88	3003804 <sup>Δ</sup>	5.99	85
3003574	7.44	86	3003673 <sup>Δ</sup>	12.95	89	3003805 <sup>Δ</sup>	5.99	85
3003575	9.02	87	3003674	13.01	88	3003807 <sup>Δ</sup>	5.99	85
3003576	24.87	86	3003675	12.95	89	3003808	5.99	85
3003577	7.28	86	3003676 <sup>Δ</sup>	18.09	88	3003809	5.99	85
3003579 <sup>†</sup>	9.77	87	3003677	18.02	89	3003810	5.93	85
3003582	11.94	86	3003678Q	24.37	88	3003812 <sup>Δ</sup>	9.53	85
3003583 <sup>†</sup>	15.67	87	3003679 <sup>Δ</sup>	17.91	88	3003815	9.53	85
3003584	38.01	86	3003680 <sup>Δ</sup>	18.02	89	3003816	10.57	85
3003585	31.04	86	3003681Q <sup>Δ</sup>	22.13	88	3003817 <sup>Δ</sup>	10.57	85
3003587 <sup>†</sup>	40.22	87	3003683Q <sup>Δ</sup>	24.95	88	3003820	3.26	85
3003597	3.18	86	3003685	17.91	88	3003821	3.51	85
3003598	3.57	87	3003686 <sup>Δ</sup>	18.02	89	3003822Q <sup>Δ</sup>	4.04	85
3003601 <sup>Δ</sup>	5.57	87	3003687	66.64	89	3003823Q	4.04	85
3003602	9.02	87	3003688	62.30	88	3003824	4.62	85



Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no
3003825	4.64	85	3004381	410.31	97	3018837* <sup>Δ</sup>	225.89	89
3003826	4.64	85	3011162	39.99	103	3020511	16.24	66
3003827Q <sup>Δ</sup>	5.71	85	3014918*	244.67	86	3021196	85.97	103
3003828	6.21	85	3017974*	158.12	91	3023344	11.21	98
3003829	6.25	86	3017975*	203.18	91	3023345	5.80	99
3003830	6.78	86	3017976*	245.41	91	3023346	8.31	99
3003831	6.61	86	3017978*	249.13	87	3023347	11.93	99
3003832	6.78	86	3017993	24.49	86	3023348	3.42	97
3003833	6.79	86	3018002*	190.79	89	3023359	4.46	97
3003834	6.75	86	3018003*	192.02	89	3023360	6.70	97
3003835	6.76	86	3018005 <sup>Δ</sup>	32.15	87	3023361	6.60	100
3003836Q <sup>Δ</sup>	11.25	86	3018007 <sup>Δ</sup>	45.95	91	3023362	11.29	100
3003837Q	11.25	86	3018008	11.17	92	3023363	4.27	98
3003838Q	11.25	86	3018025 <sup>Δ</sup>	67.62	93	3023364	5.37	98
3003839	14.82	86	3018026 <sup>Δ</sup>	32.41	93	3023365	7.62	98
3003840	14.83	86	3018027 <sup>Δ</sup>	32.41	93	3023488	11.66	97
3003841	3.84	85	3018028 <sup>Δ</sup>	32.41	93	3023489	6.89	100
3003842Q	4.04	85	3018029 <sup>Δ</sup>	38.84	93	3023490	7.66	100
3003843	4.63	85	3018030 <sup>Δ</sup>	56.57	93	3023491	16.38	100
3003856*	243.65	86	3018031 <sup>Δ</sup>	298.51	93	3023492	23.81	100
3003858	5.93	85	3018297	261.16	97	3023493	31.70	100
3003860	3.33	93	3018299	369.26	97	3023494	5.81	100
3003861	2.84	93	3018300	299.48	97	3023495	4.29	100
3003862 <sup>Δ</sup>	2.84	93	3018302	522.31	97	3023496	5.46	100
3003863	2.85	93	3018704 <sup>Δ</sup>	3.50	93	3023497	8.54	100
3003865 <sup>Δ</sup>	3.59	93	3018705 <sup>Δ</sup>	4.57	93	3023498	9.09	98
3003866	6.75	93	3018706 <sup>Δ</sup>	4.57	93	3023499	13.21	98
3003867 <sup>Δ</sup>	8.43	93	3018707 <sup>Δ</sup>	5.29	93	3023500	11.88	98
3003868	27.26	93	3018708	0.86	93	3023504	7.60	99
3003869	7.94	92	3018709	0.96	93	3023505	7.60	99
3003870	8.06	92	3018710 <sup>Δ</sup>	5.29	93	3023506	7.60	99
3003871 <sup>Δ</sup>	8.06	92	3018711	6.41	93	3023507	7.60	99
3003872 <sup>Δ</sup>	19.03	92	3018808*	67.21	85	3023508	10.52	99
3003873	25.64	92	3018809*	176.62	85	3023509	9.81	99
3003874	2.84	93	3018810*	244.67	85	3023510	10.38	99
3003905 <sup>Δ</sup>	7.54	92	3018811	108.66	86	3023511	11.46	99
3003908 <sup>Δ</sup>	9.14	93	3018812	107.64	86	3023512	10.55	99
3003910 <sup>Δ</sup>	9.14	93	3018813	107.64	86	3023513	15.95	99
3003912 <sup>Δ</sup>	9.14	93	3018815Q <sup>Δ</sup>	35.62	91	3023514	17.04	99
3003913 <sup>Δ</sup>	9.14	93	3018818*	149.29	87	3023515	16.75	99
3003917 <sup>Δ</sup>	21.57	93	3018819* <sup>Δ</sup>	363.58	87	3023516	18.45	99
3003921 <sup>Δ</sup>	21.57	93	3018820	86.31	86	3023517	16.81	99
3003924 <sup>Δ</sup>	21.57	93	3018821*	141.10	86	3023518	25.98	99
3003927 <sup>Δ</sup>	21.57	93	3018822* <sup>Δ</sup>	195.02	86	3023519	28.70	99
3003935 <sup>Δ</sup>	7.54	92	3018824Q <sup>Δ</sup>	145.32	88	3023520	25.55	99
3003936 <sup>Δ</sup>	12.83	92	3018826*	341.98	88	3023521	20.33	99
3003937 <sup>Δ</sup>	12.83	92	3018827 <sup>Δ</sup>	293.54	88	3023522	11.14	98
3003938 <sup>Δ</sup>	21.21	92	3018828*	396.50	88	3023525	4.75	98
3003943	30.26	87	3018829*	501.56	88	3023526	6.15	98
3003944	3.78	87	3018831*	133.51	89	3023527	6.73	98
3004370	410.54	97	3018832 <sup>Δ</sup>	190.79	89	3023528	11.38	98
3004371	73.15	97	3018832 <sup>Δ</sup>	190.79	89	3023529	17.88	98
3004372	143.23	97	3018833*	192.58	89	3023537	14.22	98
3004378	279.28	97	3018834* <sup>Δ</sup>	224.42	89	3023539	18.89	98
3004379	372.07	97	3018835* <sup>Δ</sup>	224.42	89	3023540	21.62	98
3004380	329.01	97	3018836* <sup>Δ</sup>	226.55	89	3023541	13.17	100



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Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no	Cat no	Price £ per piece	Page no
3023542	5.40	98	3052949	20.19	101	3079983	29.21	64
3023543	6.58	98	3061202	1239.61	97	3079991	90.79	64
3023544	9.51	98	3061211	16.57	97	3079992	90.79	64
3023545	10.59	98	3061212	23.85	97	3079994	125.32	64
3023546	8.23	98	3061213	36.18	97	3079996	13.07	64
3023547	10.44	98	3065639	92.11	97	3079997	13.07	64
3023548	12.72	98	3065640	87.06	98	3080008	214.16	65
3023549	14.22	98	3065641	84.64	98	3080010	148.52	64
3023550	6.05	100	3065642	98.10	98	3080012	23.96	64
3023551	6.91	100	3065643	99.83	98	3080014	46.25	64
3023552	8.98	100	3065644	137.99	99	3080016	7.29	64
3023553	19.78	100	3065645	110.18	99	3080019	19.35	65
3023554	19.08	100	3065646	106.14	99	3080021	47.25	65
3023555	13.76	98	3065647	94.01	99	3080023	10.08	65
3023557	14.00	99	3065902	80.71	65	3080026	31.07	64
3023558	15.62	99	3070529	304.80	97	3080030	34.59	64
3023559	16.23	99	3070629	293.48	92	3080034	52.59	64
3023560	20.18	99	3070630*	201.04	88	3080036	67.24	64
3023561	4.96	100	3070631*	95.07	91	3080044	58.09	64
3023562	5.50	100	3070632*	171.56	86	3080050	128.75	64
3023563	6.29	100	3070633*	134.08	88	3080063	23.15	64
3024664	33.27	99	3070634*	140.03	88	3080078	16.60	66
3024665	18.56	97	3070827	26.44	97	3080082	31.95	66
3024666	23.25	98	3071219	243.23	97	3080088	16.58	65
3024667	36.33	98	3071220	279.28	97	3080090	48.29	65
3024668	39.75	98	3071221	372.07	97	3080095	97.64	65
3027829	51.99	99	3071222	259.65	97	3080096	97.64	65
3027830	37.95	99	3071224	329.01	97	3080097	97.64	65
3027831	42.77	99	3071225	410.31	97	3080103	15.94	66
3027832	27.47	97	3071226	304.80	97	3080105	58.66	66
3027833	27.88	98	3072958	9.68	97	3080106	6.77	66
3027834	30.71	98	3072989	13.88	97	3082542	18.85	92
3027836	21.70	100	3072990	21.12	97	3084561	4.48	92
3027837	31.90	100	3075609	40.74	85	3084562	5.35	92
3027838	28.15	100	3075823	38.67	89	3084563	2.65	86
3027839	25.31	98	3075824 <sup>Δ</sup>	8.97	86	3084564 <sup>†</sup>	2.67	87
3027842	39.86	99	3079913	54.77	66	3084565	2.68	86
3027847	72.46	97	3079915	129.97	66	3084566 <sup>†</sup>	3.57	87
3027848	81.88	98	3079917	26.44	66	3084567	3.16	87
3027849	90.05	98	3079950	23.28	64	3084570	6.51	87
3027850	73.62	98	3079951	24.88	64	3084571	5.29	88
3027852	70.09	98	3079952	26.26	64	3084572	6.71	87
3027853	98.11	99	3079953	26.62	64	3084573	6.75	88
3027854	88.03	99	3079954	27.30	64	3084574	6.75	87
3027855	74.07	99	3079959	52.82	64	3084575	6.76	88
3027856	66.71	99	3079960	54.28	64	3084576	3.26	85
3028271	233.65	97	3079961	55.80	64	3084577	2.65	87
3041228	45.36	97	3079962	59.91	64	4009725	61.49	88
3043453 <sup>Δ</sup>	41.33	86	3079965	7.28	64	4009748	31.07	93
3043454 <sup>Δ</sup>	47.57	86	3079966	7.28	64	4009749 <sup>Δ</sup>	61.43	93
3043455 <sup>Δ</sup>	77.99	86	3079967	5.99	64	4009750 <sup>Δ</sup>	52.90	93
3043457 <sup>Δ</sup>	111.86	86	3079968	7.28	64	4009751 <sup>Δ</sup>	101.69	93
3052945	6.80	101	3079969	5.99	64	4009761 <sup>Δ</sup>	9.14	93
3052946	12.16	101	3079980	79.38	64	4009793	6.30	93
3052947	14.14	101	3079981	44.27	64	4011390	525.12	94
3052948	18.61	101	3079982	29.21	64	4011393	536.96	94



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4011401 <sup>Δ</sup>	POA	94	4024432	2004.32	94	4049178	93.28	101
4011402 <sup>Δ</sup>	POA	94	4024493	1675.26	94	4049179	126.32	101
4011403	705.73	94	4024569	2004.32	94	4053507	213.20	103
4011453	15.58	94	4025509	32.02	95	4053508	84.18	102
4012113	3.89	90	4025566	2.48	66	4053509	401.85	103
4012117	5.37	90	4025568	2.48	66	4053510	391.28	103
4012118	6.25	90	4025986 <sup>Δ</sup>	27.94	93	4061068	156.15	92
4012121 <sup>Δ</sup>	5.63	90	4025988 <sup>Δ</sup>	38.92	93	4063088 <sup>Δ</sup>	9.64	90
4012122	6.84	90	4025989 <sup>Δ</sup>	27.94	93	4063089 <sup>Δ</sup>	9.77	90
4012125	5.85	90	4025992 <sup>Δ</sup>	175.07	93	4063090 <sup>Δ</sup>	5.51	90
4012126	6.90	90	4026014 <sup>Δ</sup>	318.75	94	4063092 <sup>Δ</sup>	5.10	90
4012131	6.28	90	4026102	63.01	66	4063093 <sup>Δ</sup>	7.30	90
4012132	7.91	90	4026106	94.00	66	4063094 <sup>Δ</sup>	6.84	90
4012137	6.87	90	4026109	202.17	66	4063766	17.97	90
4012138	7.98	90	4026438	24.54	90	4063767	17.97	90
4012141	7.21	90	4026439 <sup>Δ</sup>	25.47	90	4063768	17.97	90
4012142	7.87	90	4026441 <sup>Δ</sup>	125.29	90	4063769	22.85	90
4012146	8.03	90	4026442 <sup>Δ</sup>	260.50	90	4063770 <sup>Δ</sup>	22.85	90
4012147	9.77	90	4031987	138.75	103	4063772	38.39	90
4012151	29.10	90	4031988	135.42	103	4064881	261.30	92
4012155	29.50	90	4032676	6.89	101	4064882	297.35	92
4012159	34.34	90	4032685	73.54	101	4064999	POA	94
4012326	5.10	90	4032698	49.32	101	4065000	286.37	94
4012329	3.56	90	4032699	77.64	101	4065001	286.37	94
4012331	7.13	90	4032700	6.89	101	4065138	19.35	66
4012333 <sup>Δ</sup>	8.56	90	4032721	8.90	101	4065141	19.35	66
4012335	7.30	90	4032722	9.60	101	4065143	19.35	66
4012337	7.52	90	4032723	17.83	101	4065145	2.48	66
4012339	5.82	90	4032724	19.91	101	4065188	2.06	66
4012341 <sup>Δ</sup>	7.92	90	4035779	560.48	103	4065190	5.06	66
4012343	6.55	90	4035780	200.59	103	4065192	2.48	66
4012345	27.93	90	4036272	39.99	103	4066330	173.51	94
4013355	4.95	101	4036273	82.68	102	4066449	8.25	66
4013530	602.51	102	4036330	POA	94	4066452	11.79	66
4013538	210.44	102	4037386	16.17	102	4066454	18.24	66
4013541	333.69	103	4037451	12.21	101	4066723	185.06	102
4013542	72.01	102	4037506	35.66	101	4066725	359.55	103
4013543	72.01	102	4037508	35.92	101	4999998	70.76	103
4013553	31.04	102	4037512	22.38	101	4999999	71.70	103
4013559	39.93	102	4042219 <sup>Δ</sup>	366.86	87	AO21 WH	32.24	56
4013562	42.75	102	4042914	1675.26	94	BV1/21 WH	46.75	59
4013571	25.96	101	4043224	182.65	102	BV1 WH	34.58	59
4013572	25.96	101	4043225	195.44	102	BV3 WH	8.32	59
4013573	25.96	101	4046556	211.50	103	BV11 WH	8.73	59
4020757	54.64	95	4046557	211.50	103	CV1 WH	34.58	59
4023071	24.34	102	4046558	232.65	103	CV3 WH	8.32	59
4023073	26.60	102	4046559	232.65	103	CV11 WH	8.73	59
4023075	34.95	102	4046560	338.40	103	FBP3 WH	34.21	60
4023077	395.97	102	4046691	243.23	103	FBP6 WH	68.36	60
4023364	75.38	103	4046694	243.23	103	FCP3 WH	34.21	60
4023365	80.88	103	4046695	253.80	103	FCP6 WH	68.36	60
4023375	32.86	90	4046756	253.80	103	FCW6 WH	3.03	60
4023376	37.45	90	4046758	359.55	103	FCW30 WH	15.99	60
4024189	2004.32	94	4046759	380.70	103	FSBW6 WH	3.03	60
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HD1/15W	2.63	106	HD77 GR	73.86	114	HX36/22W	13.77	110
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HXX25/15W	68.73	116
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HXX50/10W	115.09	116
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HXX50/15W	136.03	116
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HXX100/15W	267.84	116
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HXX120/15W	321.42	116
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HXXC5010 RD	239.03	105
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# Notes



# Notes



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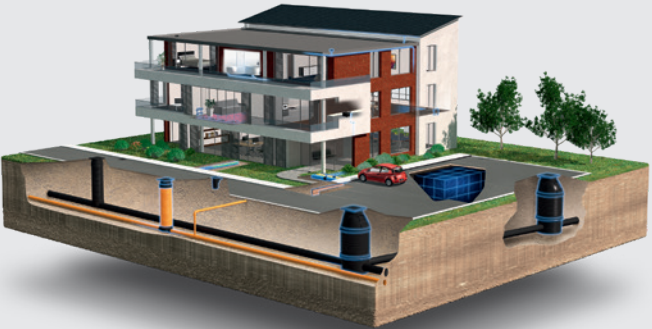
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