

**NEW
Extended
Anthracite Grey Range
Inside**

Kayflow[®]

Rainwater, Underground & Soil Systems



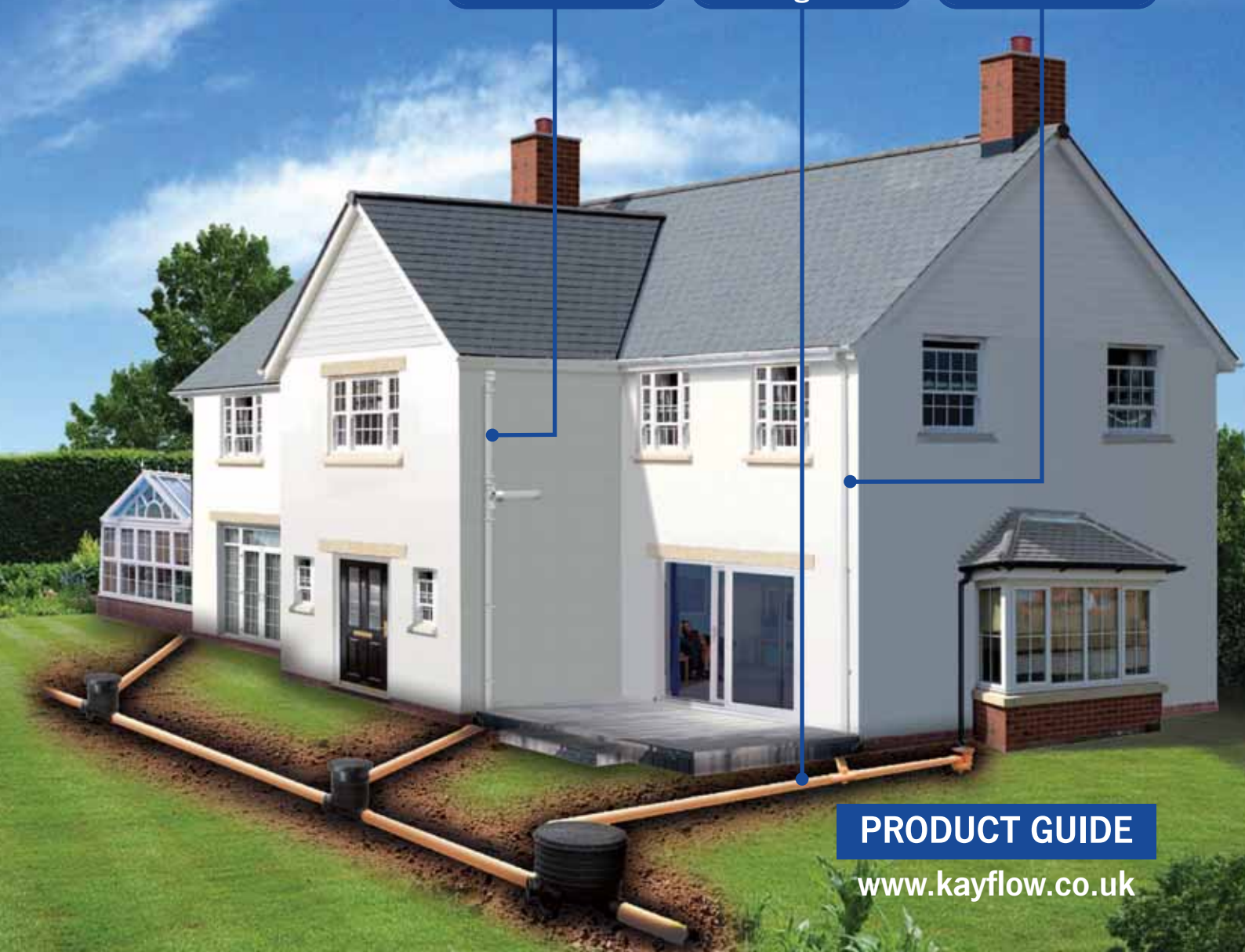
soil



underground



rainwater



PRODUCT GUIDE

www.kayflow.co.uk



Standard Gutters



KM 508760

- Easy to fit with a complete range of colour matched fittings
- Choice of 4 designs
- 10 year guarantee*
- High gloss finish with a choice of up to 6 colours
- Lightweight for ease of storage and transportation
- Low maintenance
- Durable and tough
- Kitemarked

P 4 – 9

SuperDeep 170



KM 508760

- Exceptionally strong components
- High capacity super deep system for commercial application
- Designed for high volume capture
- Market leading flow capacity
- Choice of downpipe sizes
- 10 year guarantee*
- High gloss finish in black and grey

P 10 – 11

Cast Iron Effect Gutters

- Authentic cast iron look without the weight or cost
- Choice of 3 designs
- Square or round downpipes
- Unique pipe fittings with built in saddle strap
- Durable and tough
- 10 year guarantee

P 12 – 14

Underground Drainage



KM 655203

- User friendly easy fit system
- Lightweight, easy to handle
- Impact resistant and extremely durable in use
- A wide range of products and ancillary fittings
- Tested to BS EN 1401-1: 2019 PVC-U Underground Drainage Systems**

P 16 – 21

Soil



KM 664034

- A wide range of profiles and fittings manufactured from PVC-U.
- High gloss PVC-U for low maintenance
- Lightweight, durable and easy to install
- Compatible with most other UK systems
- Choice of 3 colours
- Tested to BS EN 1329-1: 2014 Plastics piping systems for soil and waste discharge**

P 22 – 23

*Excludes Caramel. **For scope refer to the manufacturer.

Specification & Installation Guide for Guttering

How much water?

The gutter system must be able to drain the roof during an unusually heavy rainfall event which lasts at least two minutes.

BS12056 shows how to work out the amount of rainwater (in litres per second) that could run off a roof.

The roof area is multiplied by the amount of water running off each square metre of the roof area in litres per second.

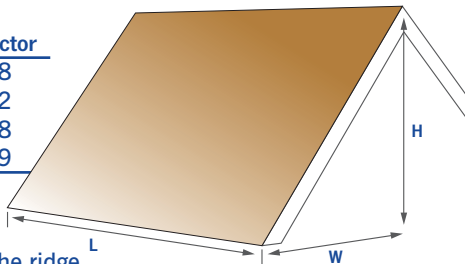
Volume of water coming off a roof = A x B where:

A = 0.021 litres per second.

B = the effective roof area, calculated as follows:

$(W+H/2) \times L$ or $L \times W \times \text{Pitch factor}$ (see table)

Roof Pitch	Pitch Factor
10°	1.088
20°	1.182
30°	1.288
40°	1.419



W = eaves to below the ridge
H = vertical height from eaves to ridge
L = length of roof section

Which Gutter to Choose

Compare the result of the calculation (AxB) with the flow capacity of the Kayflow systems available. Please note the following:

1. Reduce flow rates of gutters with angles by 15%.
2. Gutter sections longer than 50 x the height of water when the gutter is full have a reduced flow rate.
3. Gutters are laid level - this can be up to 3mm fall per metre.
4. Centrally placed outlets drain a much larger volume of water.

Minimum Specification for Fascia brackets

Gutter Type	Normal / Sheltered Areas	Snowfall / Exposed Areas	Max distance between brackets
Round/Square	2 x 25 x 4mm	2 x 25 x 5mm	1m
Deepflow/Ogee	2 x 25 x 4mm	2 x 25 x 5mm	800mm
SuperDeep 170	2 x 25 x 4mm	3 x 32 x 6.5mm	600mm
Cast Effect	2 x 25 x 4mm	3 x 25 x 5mm	As per standard profile

(4mm = 8 gauge, 5mm = 10 gauge, 6.5mm = 12 gauge stainless steel pan head screw)

Snow Loading

In locations where heavy snowfall is common, fixing centres for gutter brackets should be reduced to 600mm for all Kayflow systems. In addition all fixing holes should be used on all brackets and the use of snowboards is recommended where appropriate.

Installation

Gutter

1. Position the running outlet accurately by holding a plumb line against the fascia directly over the drain. Mark the position on the fascia with a pencil. Fit the outlet no more than 50mm below the level of the roof tiles. Fix with 2 x 25mm x 5mm round-head stainless steel screws (don't use countersunk screws as these can be over torqued with cordless drivers and damage mouldings)
2. Fit a fascia bracket just below the top of the fascia board at one end of the run of guttering (opposite end to the outlet).
3. Tie a plumb line (string) around the base of the bracket and stretch the plumb line from the bracket along the fascia board and tie it to the outlet.
4. Check that there is a fall towards the outlet (1.350 is recommended) to encourage water to drain efficiently.
5. Mark the position of the fascia brackets, spacing them according to gutter system chosen (see table above) and no more than 150mm from any corner, union, running outlet or stopend.
6. In locations where heavy snowfall is common it is recommended that fixing centres for fascia brackets is reduced to 600mm.
7. Fix the fascia brackets with 25mm x 5mm stainless steel screws – we would recommend using all available fixing holes.
8. Starting at the outlet, fit the first length of gutter by tilting the gutter to fit under the back clip and clip in at the front edge.
9. Fit a union bracket at the other end of the first length and screw it into the fascia using all available fixing holes, then fit the next length of gutter into it. Continue joining lengths ensuring all joints line up with the "fit to here" depth marked in the fittings.
10. Cut the last section of gutter to fit using a hacksaw and fit a stopend.

Downpipe

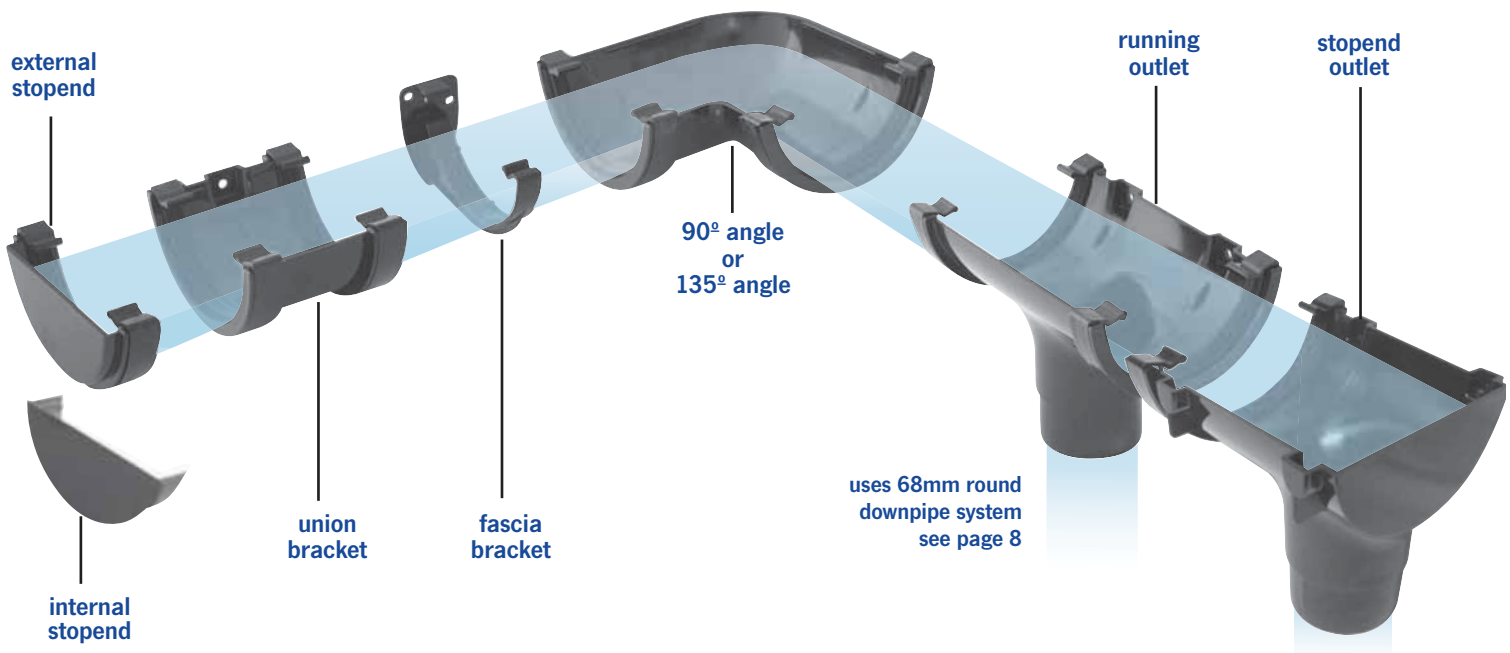
1. Using a plumb line, mark a vertical line on the wall from the running outlet to the drain.
2. Place an offset bend onto the base of the running outlet. Place a second offset bend on a length of downpipe and measure the section length required to join the two offset bends, cut a suitable length of downpipe – the "swan neck".
3. Hold a downpipe clip centrally over the plumb line and mark the fixing holes on the wall with a pencil. Repeat down the wall, spacing pipe clips no more than 1.8m apart.
4. Drill the fixing holes.
5. Working from the top downwards, install the downpipe. If additional lengths of downpipe are required, join using a socket and pipe clip.
6. Leave a 10mm gap between the end of the pipe and the bottom of the pipe socket to allow for expansion. Fix a pipe clip over the joint.
7. Use wall plugs suitable for the substrate and when fitting pipe clip screws to ensure that the application is secure. Fix pipe/socket clips with 2 x 32mm x 6.5mm round head stainless steel screws.
8. Where required, fit a shoe at the bottom of the downpipe so that it directs water into the drain, if required. Fix the joint with a pipe clip.

RECOMMENDED: Use lubricant/silicone spray on all gutter seals for ease of fitting and for improved in-service performance.

Kayflow[®]

half round gutter

Height	Width	Flow Rate	Area Drained	Down Pipe
50mm	112mm	0.9 l/s	43m ²	Round (P8)



half round gutter			
	code	pk	colours
	KFG4	6x4m	W, BL, BR, GY, AG
	KFG5	6x5m	W, BL

running outlet			
	code	pk	colours
	KFO1	20	W, BL, BR, GY, AG

90° angle			
	code	pk	colours
	KFA1	20	W, BL, BR, GY, AG

stopend outlet			
	code	pk	colours
	KFO2	20	W, BL, BR, GY

135° angle			
	code	pk	colours
	KFA2	20	W, BL, BR, GY, AG

reversible gutter adaptors				
		code	pk	colours
	round/square	KFDS3	10	W, BL, BR
	round/deep	KFD9	1	W, BL, BR

external/internal stopends			
	code	pk	colours
ext	KFE1	100	W, BL, BR, GY, AG
int	KFE2	20	W, BL, BR, GY, AG

handed round/ogee gutter adaptors				
		code	pk	colours
	*ogee/round	OGR1	1	W, BL, BR
	*round/ogee	OGR2	1	W, BL, BR

fascia bracket			
	code	pk	colours
	KFK1	100	W, BL, BR, GY, AG

union bracket			
	code	pk	colours
	KFU1	30	W, BL, BR, GY, AG

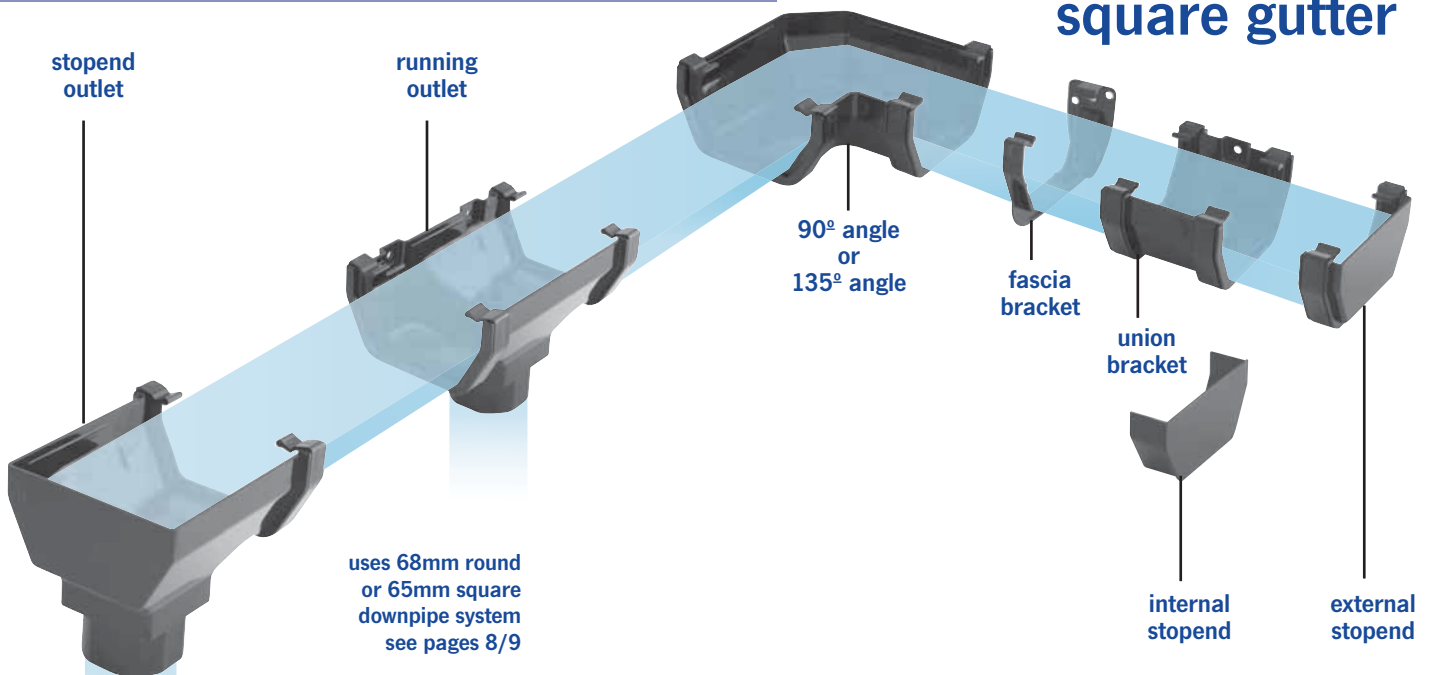
We also offer a range of different accessories; you can find out more on page 15

*Gutter adaptors - description denotes which side each section is on when looking at the building.

Kayflow®

square gutter

Height	Width	Flow Rate	Area Drained	Down Pipe
57mm	117mm	1.6 l/s	76m ²	Round/Square (P8/9)



square gutter		code	pk	colours
		KFGS4	6x4m	W, BL, BR, C, AG
		KFGS5	6x5m	W, BL, BR

running outlet		code	pk	colours
		KFOS1	20	W, BL, BR, C, AG

90° angle		code	pk	colours
		KFAS1	10	W, BL, BR, C, AG

stopend outlet		code	pk	colours
		KFOS2	20	W, BL, BR, C

135° angle		code	pk	colours
		KFAS2	10	W, BL, BR, C

reversible gutter adaptors		code	pk	colours
	square/round	KFDS3	10	W, BL, BR
	square/deep	KFD10	1	W, BL, BR

external/internal stopends		code	pk	colours
	ext	KFES1	100	W, BL, BR, C, AG
	int	KFES2	20	W, BL, BR, AG

handed round/ogee gutter adaptors		code	pk	colours
	*ogee/square	OGS1	1	W, BL, BR
	*square/ogee	OGS2	1	W, BL, BR

fascia bracket		code	pk	colours
		KFKS1	100	W, BL, BR, C, AG

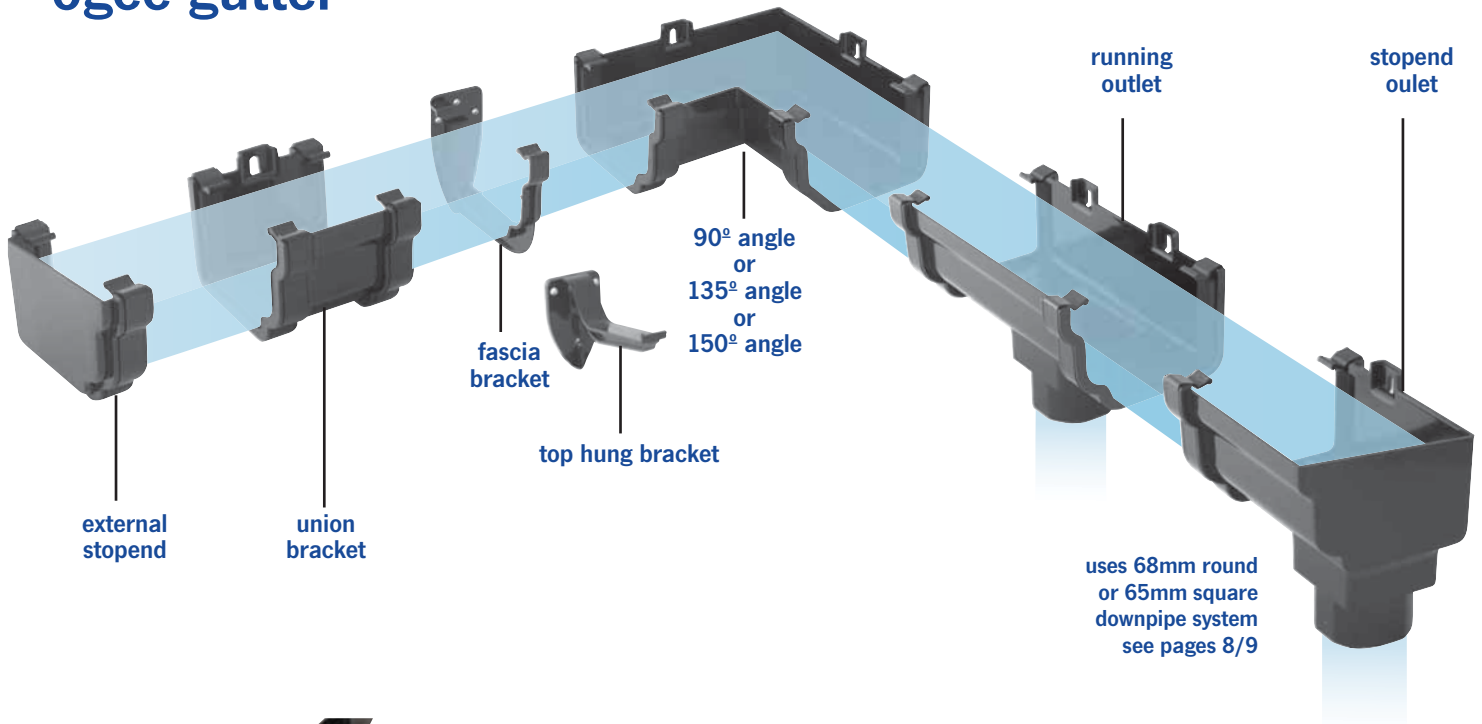
union bracket		code	pk	colours
		KFUS1	30	W, BL, BR, C, AG

We also offer a range of different accessories; you can find out more on page 15

Kayflow[®]

ogee gutter

Height	Width	Flow Rate	Area Drained	Down Pipe
70mm	120mm	2.2 l/s	105m ²	Round/Square (P8/9)



ogee gutter			
	code	pk	colours
	OGG4	4x4m	W, BL, BR, C, AG

gutter brackets			
	code	pk	colours
	fascia OGK1	100	W, BL, BR, C, AG**
	top hung OGK2	20	W, BL, BR, C, AG**

90° & 135° internal angle			
	code	pk	colours
	OGA1	10	W, BL, BR, C, AG
	OGA3	10	W, BL, BR, C, AG

running outlet			
	code	pk	colours
	OGO1	10	W, BL, BR, C, AG

90° external angle			
	code	pk	colours
	OGA2	10	W, BL, BR, C, AG

stopend outlets			
	code	pk	colours
	L/H OGO2 (R)	10	W, BL, BR, C
	R/H OGO3 (L)	10	W, BL, BR, C

135° & 150° external angles			
	code	pk	colours
	135° OGA4	10	W, BL, BR, C, AG**
	150° OGA5	4	W, BL, BR, C, AG**

handed ogee/deep gutter adaptors			
	code	pk	colours
	*ogee/deep OGD1	1	W, BL, BR
	*deep/ogee OGD2	1	W, BL, BR

union bracket			
	code	pk	colours
	OGU1	8	W, BL, BR, C, AG

handed square/ogee gutter adaptors			
	code	pk	colours
	*ogee/square OGS1	1	W, BL, BR
	*square/ogee OGS2	1	W, BL, BR

external stopend			
	code	pk	colours
	L/H OGE1 (L)	10	W, BL, BR, C, AG
	R/H OGE2 (R)	10	W, BL, BR, C, AG

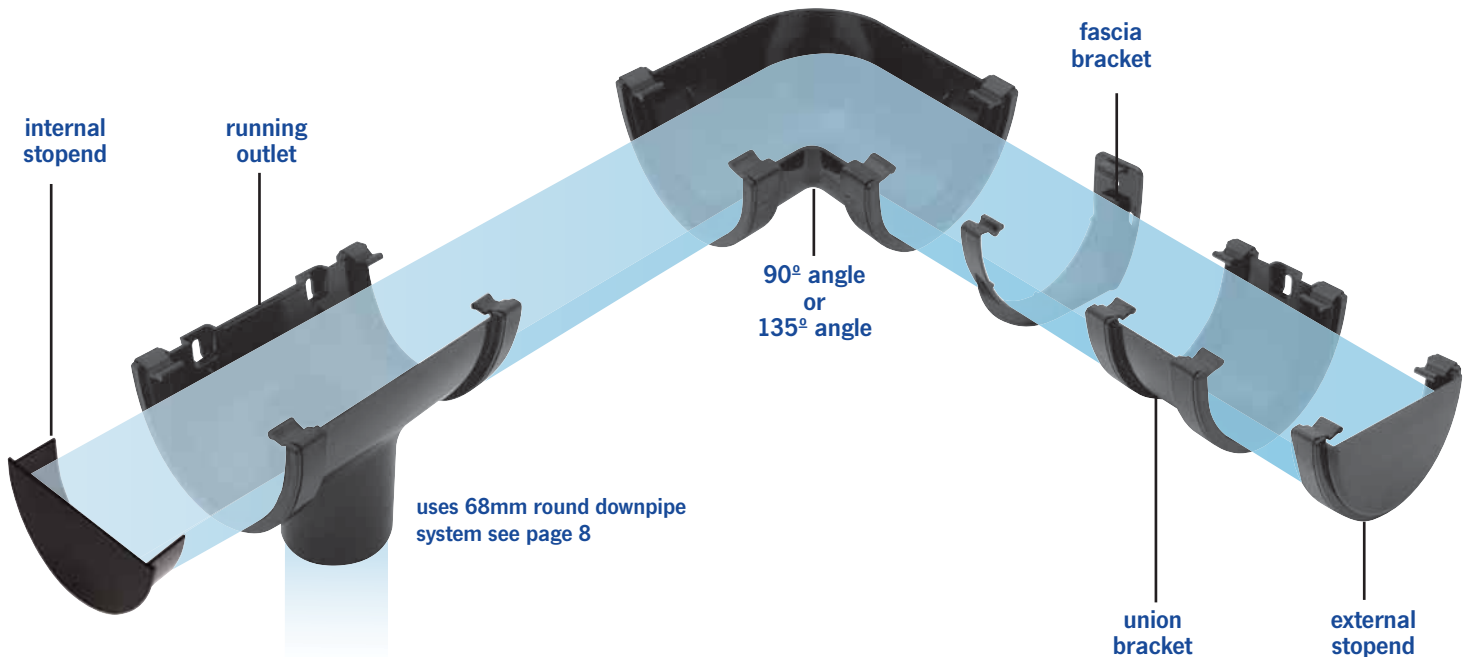
handed round/ogee gutter adaptors			
	code	pk	colours
	*ogee/round OGR1	1	W, BL, BR
	*round/ogee OGR2	1	W, BL, BR

*Gutter adaptors - description denotes which side each section is on when looking at the building.
 **Only applicable to OGA4 and OGK1

Height	Width	Flow Rate	Area Drained	Down Pipe
71mm	114mm	1.8 l/s	86m ²	Round (P8)

Kayflow[®]

deep gutter



deep gutter

	code	pk	colours
	KDG4	6x4m	W, BL, BR, AG

90° angle

	KDA1	4	W, BL, BR, AG
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135° angle

	KDA2	4	W, BL, BR, AG
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internal/external stopend

	KDE1	10	W, BL, BR, AG
	KDE2	10	

reversible gutter adaptors

	deep/round	KFD9	1	W, BL, BR
	deep/square	KFD10	1	

handed ogee/deep gutter adaptors

	*ogee/deep	OGD1	1	W, BL, BR
	*deep/ogee	OGD2	1	

fascia bracket

	code	pk	colours
	KDK1	100	W, BL, BR, AG

running outlet

	KDO1	10	W, BL, BR, AG
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union bracket

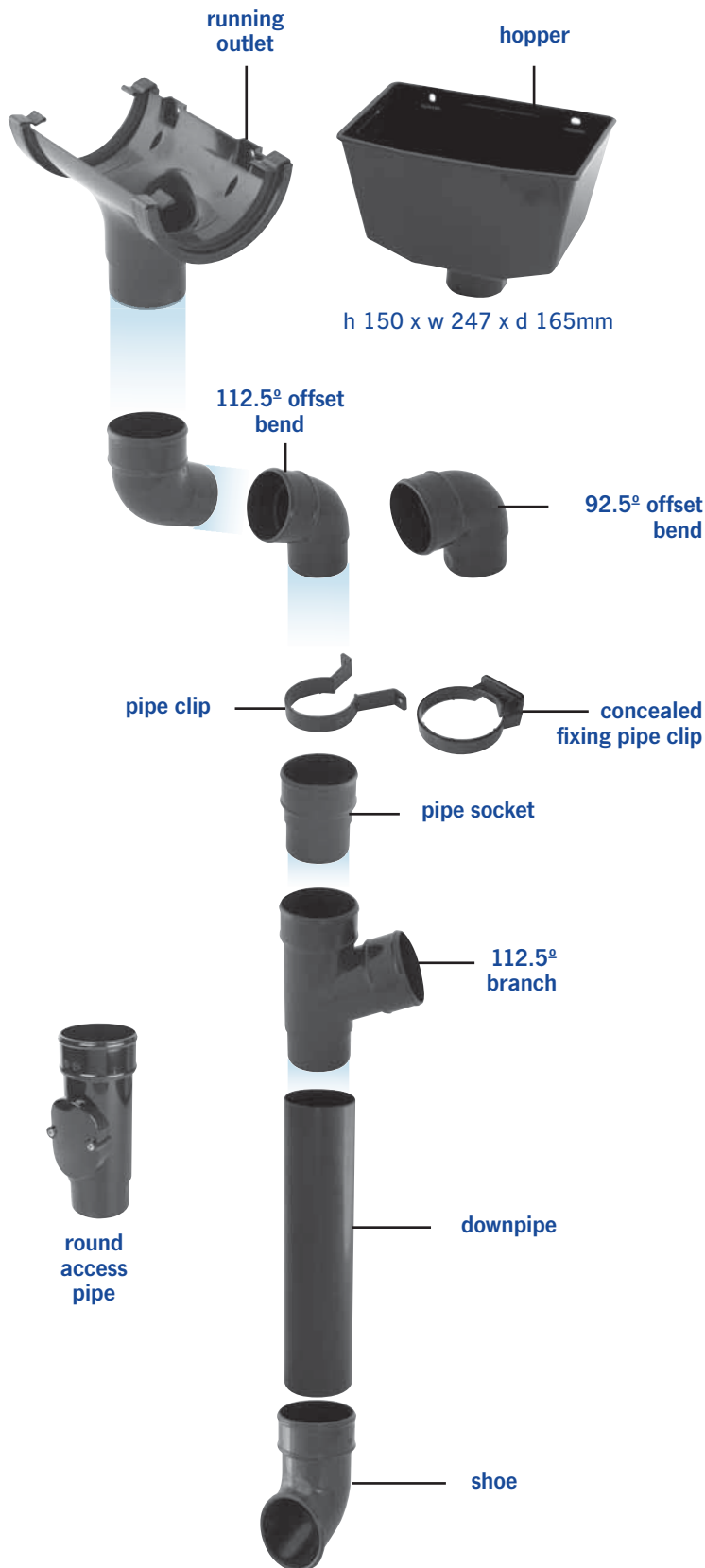
	KDU1	10	W, BL, BR, AG
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We also offer a range of different accessories; you can find out more on page 15


Kayflow®

round down pipe


- 68mm diameter
- use with half round, square, ogee & deep




round down pipe

		code	pk	colours
	2.5m	KFP25	6	W, BL, BR, GY, AG
	4m	KFP4	6	W, BL, BR, AG
	5.5m	KFP55	6	W, BL, BR, GY, AG


92.5° offset bend

	KFB1	20	W, BL, BR, GY, AG
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112.5° offset bend

	KFB2	30	W, BL, BR, GY, AG
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shoe

	KFB3	30	W, BL, BR, GY, AG
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pipe clip

	KFC1	100	W, BL, BR, GY, AG
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concealed fixing pipe clip

	OGC3	10	W, BL, BR
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square/round hopper

	KFHS1	10	W, BL, BR, C, GY, AG
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pipe socket

	KFS1	20	W, BL, BR, GY, AG
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112.5° branch

	KFY1	10	W, BL, BR, GY, AG
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square/round down pipe adaptor




	KFDS2	10	W, BL, BR, C
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round access pipe

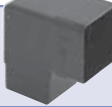
	KFAP	1	W, BL, BR
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We also offer a range of different accessories; you can find out more on page 15

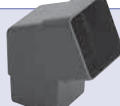
square down pipe

		code	pk	colours
	2.5m	KFPS25	6	W, BL, BR, C, AG
	4m	KFPS4	6	W, BL, BR, AG
	5.5m	KFPS55	6	W, BL, BR, C, AG


92.5° offset bend

	KFBS1	20	W, BL, BR, C, AG
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112.5° offset bend

	KFBS2	30	W, BL, BR, C, AG
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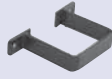
shoe

	KFBS3	30	W, BL, BR, C, AG
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pipe clip

	KFCS1	100	W, BL, BR, C, AG
--	-------	-----	------------------


pipe clip (flush)

	KFCS2	100	W, BL, BR, C, AG
---	-------	-----	------------------


hopper (square/round)

	KFHS1	10	W, BL, BR, C, GY, AG
--	-------	----	----------------------

pipe socket

	KFSS1	20	W, BL, BR, C, AG
---	-------	----	------------------


112.5° branch

	KFYS1	10	W, BL, BR, C, AG
---	-------	----	------------------

square/round down pipe adaptor

	KFDS2	10	W, BL, BR, C
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square access pipe

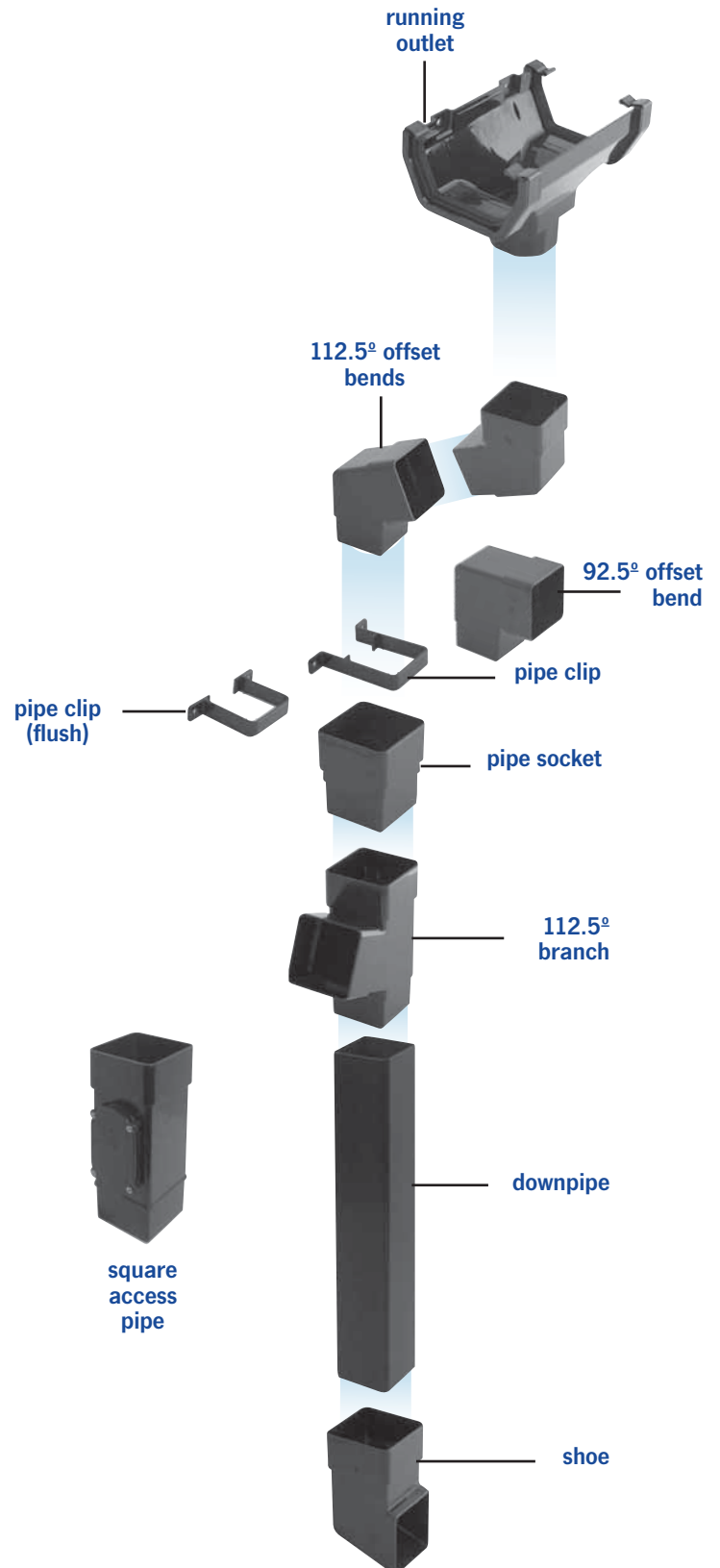
	KFSAP	1	W, BL, BR
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We also offer a range of different accessories; you can find out more on page 15

Kayflow®

square down pipe

- 65mm x 65mm
- use with square and ogee



Kayflow[®]

SuperDeep 170

Kayflow SuperDeep 170 is a super tough, high capacity gutter for use on commercial buildings, hotels, flats and any structure that has a large roof area.

Tough Construction

SuperDeep 170 has a high material content that ensures it can easily contain the weight of water that could potentially flow into its huge gutter profile. Each fascia bracket is capable of supporting over 125kg and the union can take over half as much again.

The gutter angles have been produced as individual internal and external versions. This allows positive fixing of each unit to the fascia board.

High Capacity

SuperDeep 170 is one of the largest and toughest commercial rainwater systems available.

At 170mm from rim to rim SuperDeep 170 has a huge reservoir and is designed to move water rapidly into and down a 100mm or 110mm down pipe.

SuperDeep 170 has an independently tested, market leading flow rate of 4.3 litres per second.

- Ultra tough, thick-wall system
- 170mm high capacity commercial system
- White core reduces heat absorption
- Uses 100mm or 110mm downpipe
- Internal and external versions of angles
- Fix fascia brackets at maximum 600mm centres
- Kitemark KM508760 to BS EN 607:2004 and BS EN 1462:2004



KM 508760

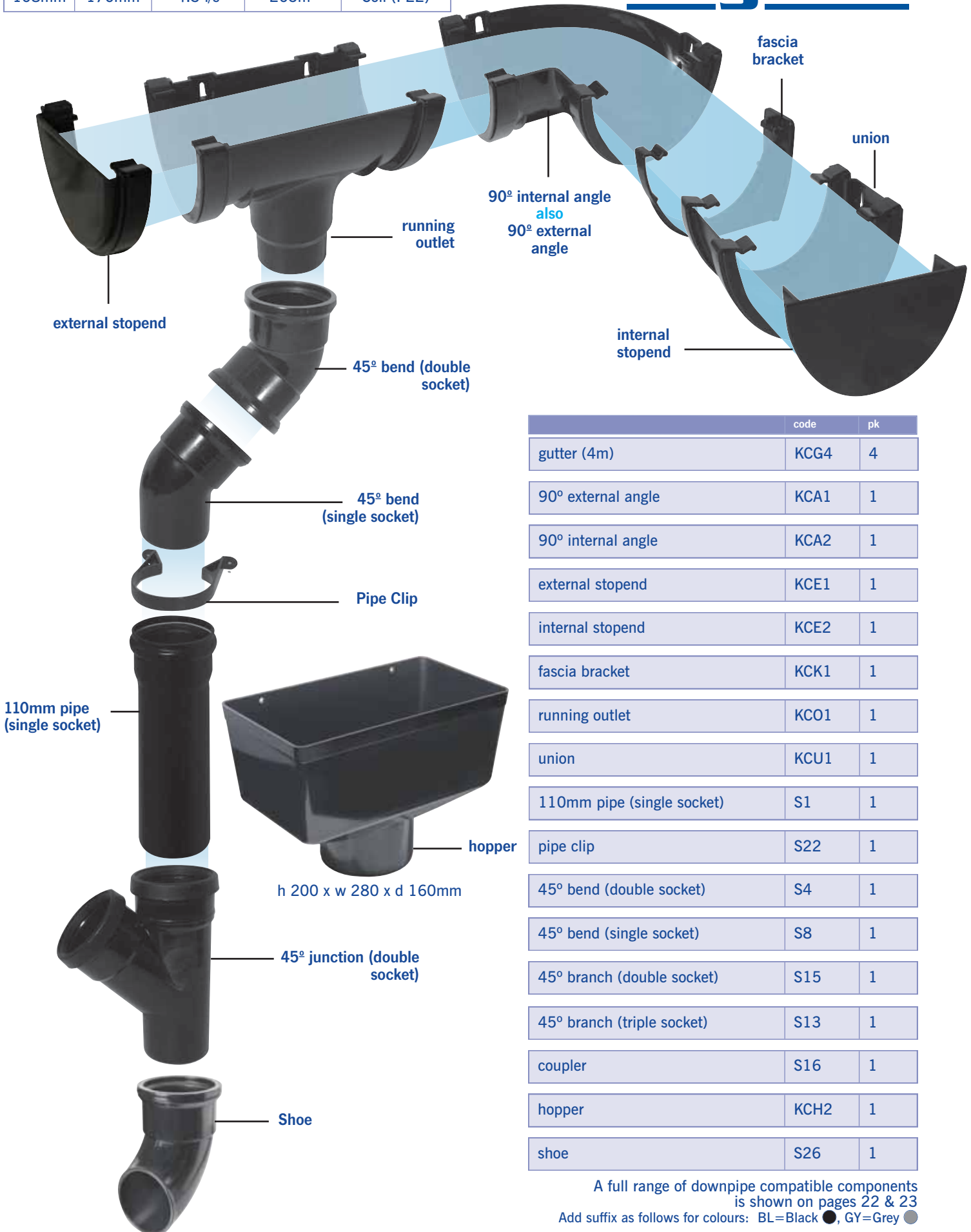
conventional
deep flow
(see page 7)



SuperDeep 170

Height	Width	Flow Rate	Area Drained	Down Pipe
108mm	170mm	4.3 l/s	205m ²	Soil (P22)

Kayflow®



	code	pk
gutter (4m)	KCG4	4
90° external angle	KCA1	1
90° internal angle	KCA2	1
external stopend	KCE1	1
internal stopend	KCE2	1
fascia bracket	KCK1	1
running outlet	KCO1	1
union	KCU1	1
110mm pipe (single socket)	S1	1
pipe clip	S22	1
45° bend (double socket)	S4	1
45° bend (single socket)	S8	1
45° branch (double socket)	S15	1
45° branch (triple socket)	S13	1
coupler	S16	1
hopper	KCH2	1
shoe	S26	1

A full range of downpipe compatible components is shown on pages 22 & 23
 Add suffix as follows for colours: BL=Black ●, GY=Grey ●

Kayflow®

half round gutter

Height	Width	Flow Rate	Area Drained	Down Pipe
50mm	112mm	0.9 l/s	43m ²	Round



	code	pk
gutter (4m)	KFG4	1
90° angle	KFA1	1
135° angle	KFA2	1
external stopend	KFE1	1
internal stopend	KFE2	1
fascia bracket	KFK1	1
running outlet	KFO1	1
stopend outlet	KFO2	1
union bracket	KFU1	1
round downpipe (2.5m)	KFP25	1
92.5° offset bend	KFB1	1
112.5° offset bend	KFB2	1
shoe with lugs	KFB4	1
pipe clip with lugs	KFC2	1
hopper with lugs	KFHS2	1
pipe socket with lugs	KFS2	1
112.5° branch	KFY1	1

We also offer a range of different accessories; you can find out more on page 15

Cast Iron Effect

Complete system with bespoke components for an authentic cast iron appearance.

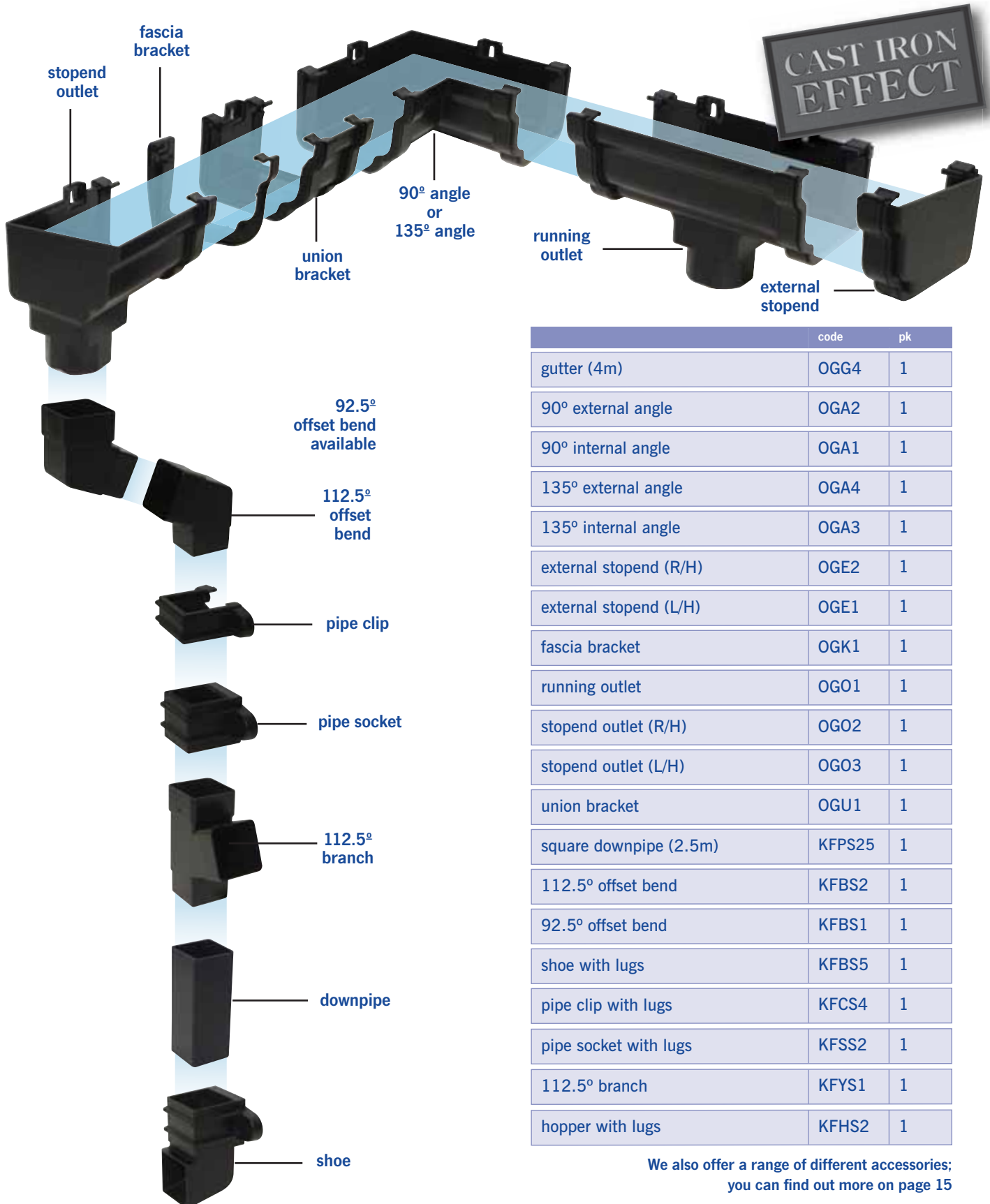
Cast Effect Hopper

h 258 x w 312 x d 210mm

Height	Width	Flow Rate	Area Drained	Down Pipe
70mm	120mm	2.2 l/s	105m ²	Round/Square

Kayflow®

ogee gutter



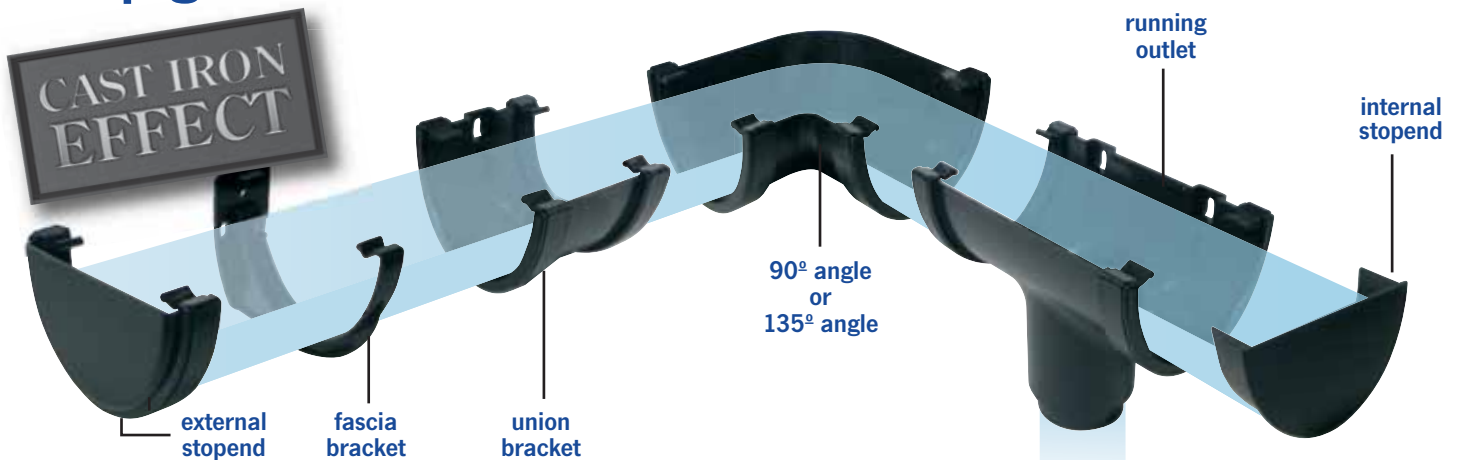
	code	pk
gutter (4m)	OGG4	1
90° external angle	OGA2	1
90° internal angle	OGA1	1
135° external angle	OGA4	1
135° internal angle	OGA3	1
external stopend (R/H)	OGE2	1
external stopend (L/H)	OGE1	1
fascia bracket	OGK1	1
running outlet	OGO1	1
stopend outlet (R/H)	OGO2	1
stopend outlet (L/H)	OGO3	1
union bracket	OGU1	1
square downpipe (2.5m)	KFPS25	1
112.5° offset bend	KFBS2	1
92.5° offset bend	KFBS1	1
shoe with lugs	KFBS5	1
pipe clip with lugs	KFCS4	1
pipe socket with lugs	KFSS2	1
112.5° branch	KFYS1	1
hopper with lugs	KFHS2	1

We also offer a range of different accessories; you can find out more on page 15

Kayflow[®]

deep gutter

Height	Width	Flow Rate	Area Drained	Down Pipe
71mm	114mm	1.8 l/s	86m ²	Round



	code	pk
gutter (4m)	KDG4	1
90° angle	KDA1	1
135° angle	KDA2	1
external stopend	KDE1	1
internal stopend	KDE2	1
fascia bracket	KDK1	1
running outlet	KDO1	1
union bracket	KDU1	1
round downpipe (2.5m)	KFP25	1
92.5° offset bend	KFB1	1
112.5° offset bend	KFB2	1
shoe with lugs	KFB4	1
pipe clip with lugs	KFC2	1
hopper with lugs	KFHS2	1
pipe socket with lugs	KFS2	1
112.5° branch	KFY1	1

We also offer a range of different accessories; you can find out more on page 15



Kayflow is a comprehensive range of Rainwater, Soil and Underground drainage products.

The Kayflow range is ideal for builders merchants and PVC stockists. Kayflow is easy to deal with and has a straight forward pricing structure, a national delivery service and low minimum order levels.

Kayflow can be specified with confidence. The technical team are on hand to help with questions concerning flow rates and installation procedures.

Kayflow installers have a wide choice of rainwater products and the quality and fit of the clipping system is widely regarded as excellent.

NEW SQUARE additions to the Anthracite Grey range

The Kayflow Anthracite Grey (RAL7016) range of products has expanded and now includes a SQUARE gutter system.

These additions join the already popular large range of Round, Ogee and Deep Flow profiles available in the Anthracite Grey rainwater range and provide a match for window, door and fascia systems with the same colour reference.



Anthracite Grey colour reference = AG

accessories

rise & fall bracket (half round)		code	pk	colours
		KFRB	10	

rise & fall bracket (square)		code	pk	colours
		KFRBS	10	

rise & fall bracket (universal)		code	pk	colours
		KFRBU	10	

This is designed to be used in conjunction with the pvc fascia bracket appropriate to the design of gutter chosen

Metal brackets are galvanised or zinc plated for excellent water resistance.

side rafter bracket		code	pk	colours
		KFSRB	10	

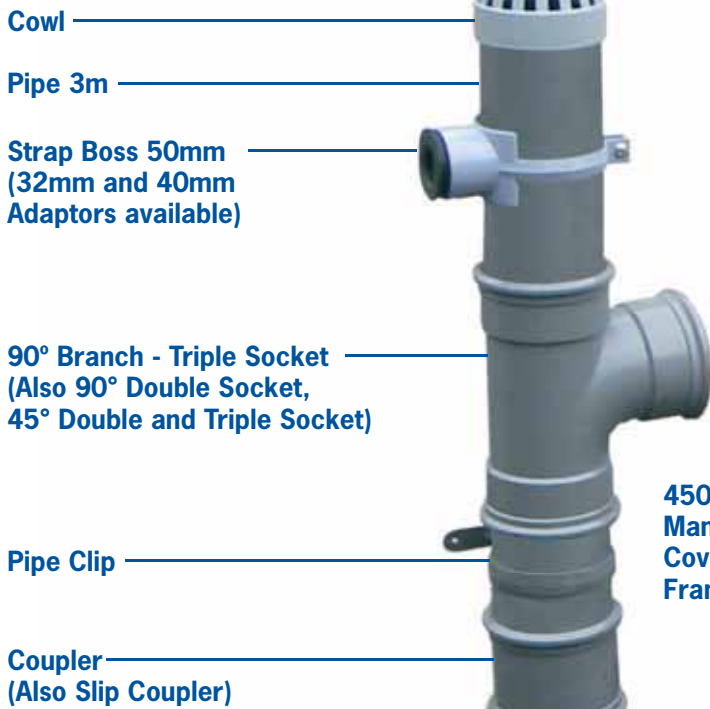
top rafter bracket		code	pk	colours
		KFTRB	10	

rainwater diverter and leaf trap		code	pk	colours
		KFRD1	1	W, BL

hopper (square/round)		code	pk	colours
		KFHS1	10	W, BL, BR, C, GY, AG

Kayflow Soil System (p22)

- 110mm Compatible with most other UK systems
- Comprehensive range
- High gloss PVC-u for low maintenance
- Lightweight durable and easy to install
- BS EN 1329; 1:2014



450 Square Manhole Cover & Frame



This drawing is for illustration only - full product range guides available

Kayflow[®]

soil & underground systems



KM 655203



KM 664034

For scope refer to the manufacturer.

Kayflow Underground System


- 110mm and 160mm
- Easy fit system
- Lightweight
- Durable and impact resistant

110mm underground pipe & fittings

plain end pipe

	code	pk
	UG1	1x3m
	UG2	1x6m

15° bend (single socket)

	UG28 BUG28	1 40
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30° bend (single socket)

	UG26 BUG26	1 40
---	---------------	---------

45° bend (single socket)

	UG24 BUG24	1 30
--	---------------	---------

90° bend (single socket)


	UG22 BUG22	1 20
---	---------------	---------

90° swept bend (single socket)

	UG29	1
---	------	---

coupler and slip coupler (double socket)

	coupler UG10 BUG10	1 50
---	--------------------------	---------

	slip coupler UG12 BUG12	1 50
---	-------------------------------	---------

socket plug

	socket plug UG111	1
---	----------------------	---

rest bend (single socket)

	UG45	1
---	------	---

rest bend (double socket)

	UG46	1
---	------	---

single socket pipe

	code	pk
	UG3	1x3m
	UG4	1x6m

15° bend (double socket)

	UG20 BUG20	1 40
--	---------------	---------

30° bend (double socket)

	UG18 BUG18	1 40
---	---------------	---------

45° bend (double socket)

	UG16 BUG16	1 30
---	---------------	---------

90° bend (double socket)

	UG14 BUG14	1 20
---	---------------	---------

90° swept bend (double socket)

	UG21	1
--	------	---

45° long radius bend

	UG15 BUG15	1 15
--	---------------	---------

90° long radius bend

	UG13 BUG13	1 10
--	---------------	---------

Adjustable bend (double socket)

	UG23 BUG23	1 16
--	---------------	---------

0° to 90°

universal pipe lubricant

	UPL1 UPL25	1kg 2.5kg	1 1
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110mm underground fittings



45° junction (double socket)

	code	pk
	UG47	1
	BUG47	15



45° junction (triple socket)

	code	pk
	UG38	1
	BUG38	15



90° junction (double socket)
with twin boss

	code	pk
	UG44	1
	BUG44	15



90° junction (triple socket)
with twin boss

	code	pk
	UG39	1
	BUG39	15



P trap

	code	pk
	UG100	1
	BUG100	14



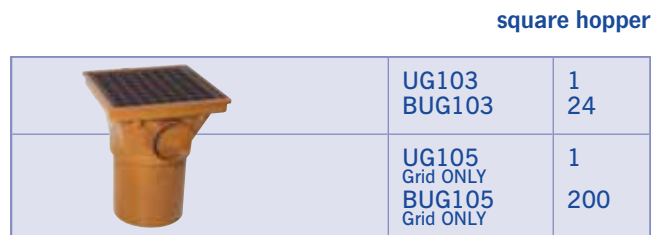
short hopper head

	code	pk
	UG107	1
	BUG107	60



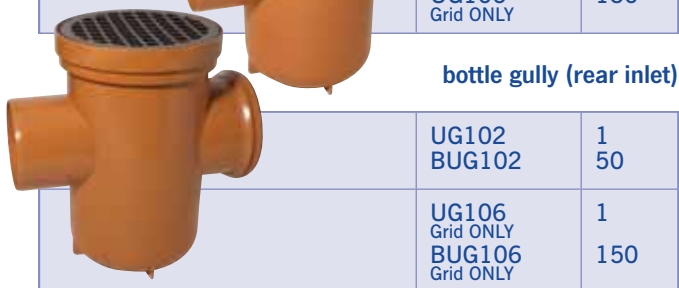
standard bottle gully

	code	pk
	UG101	1
	BUG101	50
	UG106 Grid ONLY	1
	UG106 Grid ONLY	150



square hopper

	code	pk
	UG103	1
	BUG103	24
	UG105 Grid ONLY	1
	BUG105 Grid ONLY	200



bottle gully (rear inlet)

	code	pk
	UG102	1
	BUG102	50
	UG106 Grid ONLY	1
	BUG106 Grid ONLY	150



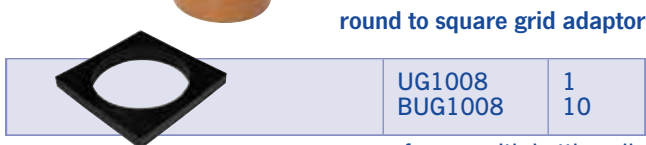
rectangular hopper

	code	pk
	UG104	1
	BUG104	20
	UG105 Grid ONLY	1
	BUG105 Grid ONLY	200



gully raising piece

	code	pk
	UG1006	1
	BUG1006	12



round to square grid adaptor

	code	pk
	UG1008	1
	BUG1008	10

for use with bottle gully



rodding eye

	code	pk
	UG1012	1
	BUG1012	20



rainwater adaptor

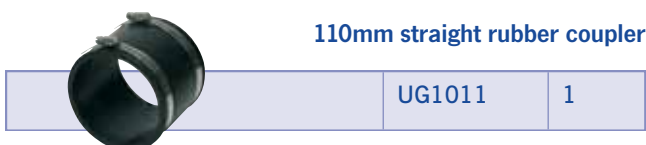
	code	pk
	UG1010	1



level invert reducer

	code	pk
	UG115	1
	BUG115	230

160 x 110mm



110mm straight rubber coupler

	code	pk
	UG1011	1



plastic to clay adaptor

	code	pk
	UG1009	1

160mm underground pipe & fittings

plain end pipe		coupler (double socket)	
	code	pk	
	UG1160	1x3m	 coupler UG10160 1
	UG2160	1x6m	 socket plug UG111160 1
single socket pipe		15° bend (double socket)	
	UG3160	1x3m	 UG20160 1
	UG4160	1x6m	 UG18160 1
 15° bend (single socket)	UG28160	1	 UG16160 1
 30° bend (single socket)	UG26160	1	 UG38160 1
 45° bend (single socket)	UG24160	1	 UG49160 1
 90° bend (single socket)	UG22160	1	 UG48160 1
 45° junction (double socket)	UG47160	1	 universal pipe lubricant
 90° junction (double socket)	UG44160	1	UPL1 1kg 1
			UPL25 2.5kg 1

Kayflow®

inspection chambers

320 inspection chamber

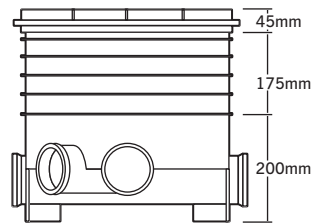
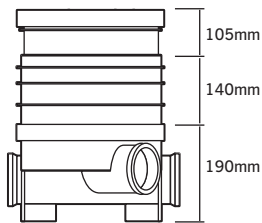
450 inspection chamber

1 x Main Entry
2 x 45° Entries
2 x Blanking Plugs
Max. Depth 600mm
All Sockets 110mm

1 x Main Entry
2 x 90° Entries
2 x 45° Entries
4 x Blanking Plugs
Max. Depth 1200mm
All Sockets 110mm

BS EN 1329; 1:2014

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Note: Dimensions shown denote the installed height of each item

320 square lid adaptor

	code	pk
	UG1013 BUG1013	1 20

450 manhole cover and frame

	code	pk
	UG1001	1 ^(round)
	BUG1001	52 ^(round)
	UG2001 (35kN)	1 ^(square)
	BUG2001 (35kN)	52 ^(square)

320 manhole cover and frame

	UG1000	1 ^(round)
	BUG1000	54 ^(round)
	UG2000 (35kN)	1 ^(square)
	BUG2000 (35kN)	54 ^(square)

UG1000 1.5tonne/15kN loading
UG2000

450 raising piece

	UG1003 BUG1003	1 36
--	-------------------	---------

riser seals for 450 base

	UG1007 BUG1007	10 150
--	-------------------	-----------

320 raising piece

	UG1002 BUG1002	1 99
---	-------------------	---------

450 manhole base

	UG1005 BUG1005	1 32
--	-------------------	---------

320 manhole base

	UG1004 BUG1004	1 56
---	-------------------	---------

450 manhole base (160mm main run and side inlets)

	UG1014 BUG1014	1 24
--	-------------------	---------


It is recommended that all joints require generous lubrication, which is also available from Kayflow - please see pages 18, 20 & 23

110mm soil


pipe (single socket)

	code	pk	colours
	S1	1x3m	GY


	code	pk	colours
	S1	1x3m	BL

	code	pk	colours
	S1	1x3m	WH


coupler

	code	pk	colours
	S16 BS16	1 50	BL, GY, WH


slip/repair coupler

	code	pk	colours
	S17	1	BL, GY


90° short access bend (single socket)

	code	pk	colours
	S11 BS11	1 20	BL, GY, WH


15° bend (single socket)

	code	pk	colours
	S10 BS10	1 40	BL, GY, WH


15° bend (double socket)

	code	pk	colours
	S6 BS6	1 40	BL, GY, WH


30° bend (single socket)

	code	pk	colours
	S9 BS9	1 40	BL, GY, WH


30° bend (double socket)

	code	pk	colours
	S5 BS5	1 40	BL, GY, WH

45° bend (single socket)

	code	pk	colours
	S8 BS8	1 30	BL, GY, WH

45° bend (double socket)

	code	pk	colours
	S4 BS4	1 30	BL, GY, WH

90° bend (single socket)

	code	pk	colours
	S7 BS7	1 20	BL, GY, WH

90° bend (double socket)

	code	pk	colours
	S3 BS3	1 20	BL, GY, WH



45° branch (double socket)

code	pk	colours
S15 BS15	1 15	BL, GY, WH



45° branch (triple socket)

code	pk	colours
S13 BS13	1 15	BL, GY, WH



90° branch (double socket)

code	pk	colours
S14 BS14	1 15	BL, GY, WH



90° branch (triple socket)

code	pk	colours
S12 BS12	1 15	BL, GY, WH



access junction (double socket)

code	pk	colours
S18 BS18	1 12	BL, GY, WH



air admittance valve

code	pk	colours
S24 BS24	1 24	BL, GY, WH



straight access pipe (single socket)

code	pk	colours
S25 BS25	1 18	BL, GY, WH

cowl

code	pk	colours
S21 BS21	1 40	BL, GY, WH

50mm strap boss

code	pk	colours
S50 BS50	1 10	BL, GY, WH

pipe clip

code	pk	colours
S22 BS22	1 50	BL, GY, WH

40mm adaptor

code	pk	colours
S40 BS40	1 10	BL

end plug/cap

code	pk	colours
S20 BS20	1 100	BL, GY BL

32mm adaptor

code	pk	colours
S32 BS32	1 10	BL



universal pipe lubricant

code	pk	colours
UPL1 UPL2.5	1kg 2.5kg	1 1



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