

**NEW  
Extended  
Anthracite Grey Range  
Inside**

**Kayflow<sup>®</sup>**

# Rainwater Underground & Soil Systems



**underground**



**soil**



**rainwater**

**[www.kayflow.co.uk](http://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: 2009 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

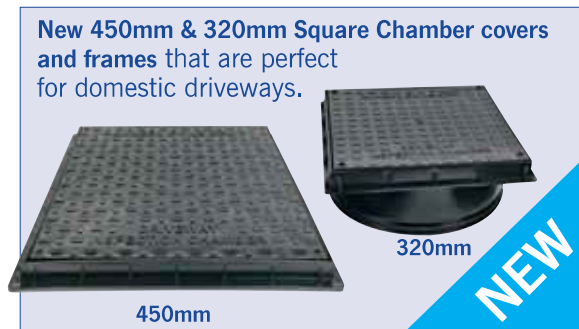
\*Excludes Caramel. \*\*For scope refer to the manufacturer.

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

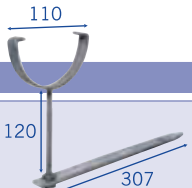
The Kayflow range is ideal for builders merchants and PVC stockists. Kayflow is easy to deal with having a straight forward pricing structure, and a national delivery service with low minimum order levels.

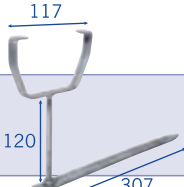
Kayflow can be specified with confidence. The technical team are there to help with questions concerning flow rates and installation procedures.

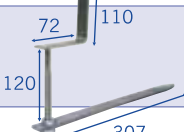
Kayflow installers have a wide choice of rainwater products and the quality and fit of the clipping system is widely regarded as excellent.



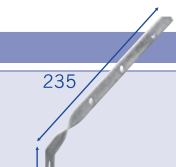
## accessories

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	

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	

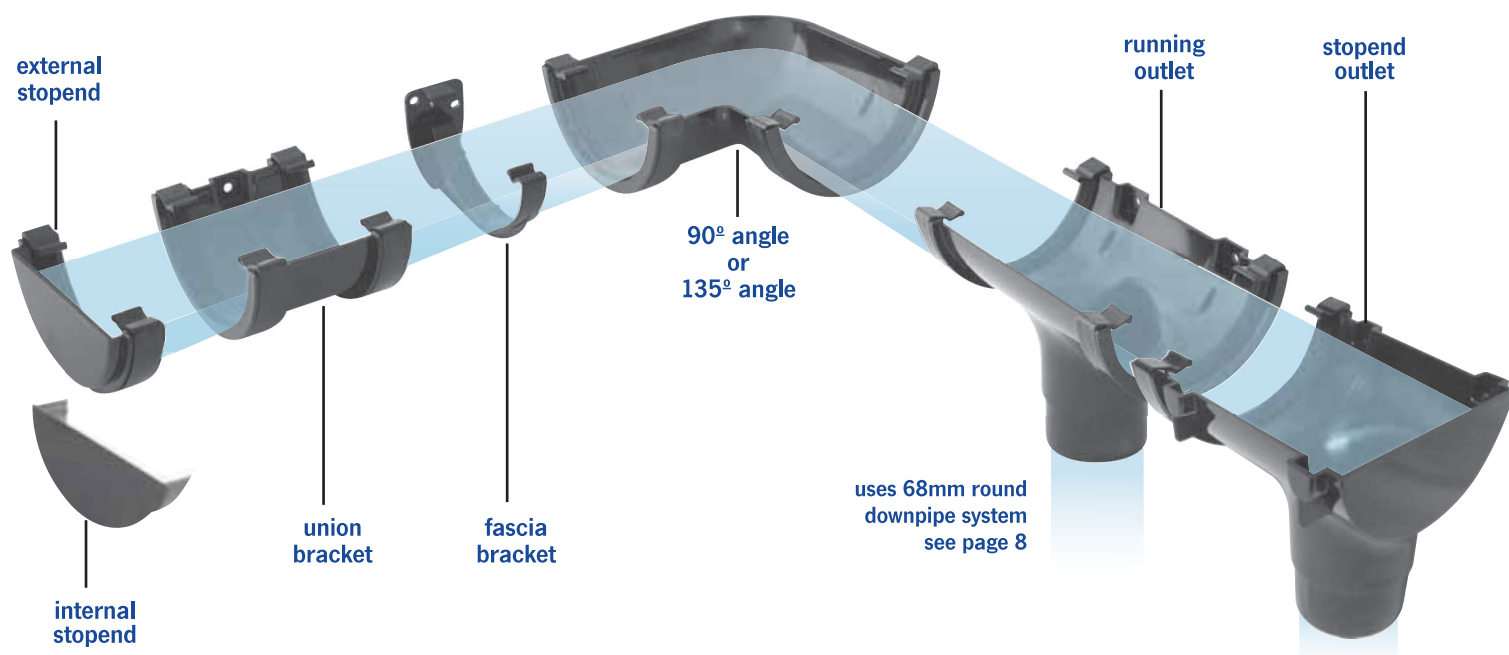
rainwater diverter and leaf trap			
	code	pk	colours
	KFRD1	1	W, BL

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

# Kayflow<sup>®</sup>

## half round gutter

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



### half round gutter

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

### 90° angle

	code	pk	colours
	KFA1	20	W, BL, BR, GY, AG

### 135° angle

	code	pk	colours
	KFA2	20	W, BL, BR, GY,

### external/internal stopends

	code	pk	colours
ext	KFE1	100	W, BL, BR, GY, AG
int	KFE2	20	

### fascia bracket

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

### union bracket

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

### running outlet

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

### stopend outlet

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

### reversible gutter adaptors

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

### handed round/ogee gutter adaptors

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

### side rafter / top rafter bracket

		code	pk	
side		KFSRB	10	
top		KFTRB	10	

### hopper (square/round)

	code	pk	colours
	KFHS1	10	W, BL, BR, C, GY, AG

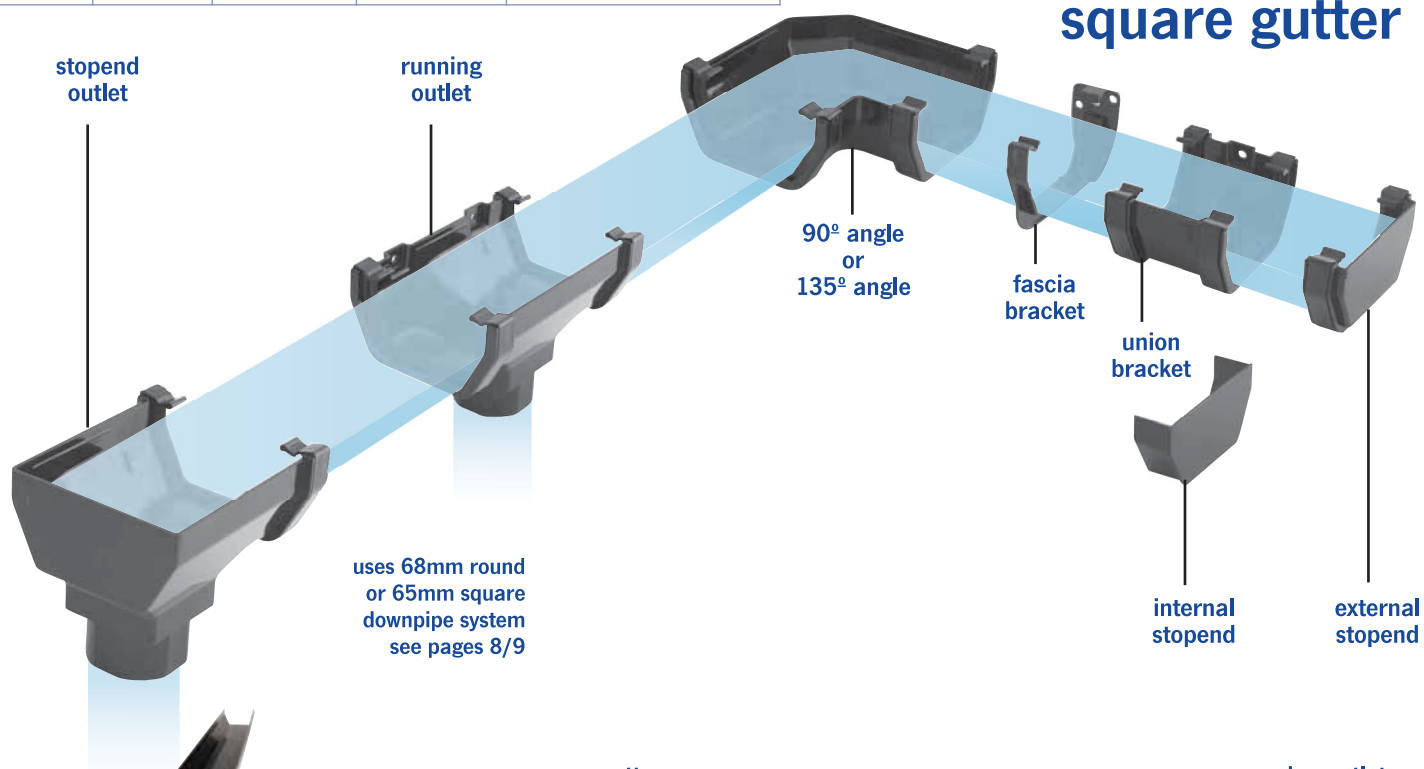
h 150 x w 247 x d 165mm

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


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

# Kayflow<sup>®</sup>


## square gutter



**square gutter**

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


**running outlet**

	code	pk	colours
	KFOS1	20	W, BL, BR, C

**90° angle**

	code	pk	colours
	KFAS1	10	W, BL, BR, C



**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
	KFDS3	10	W, BL, BR
	KFD10	1	W, BL, BR


**external/internal stopends**

	code	pk	colours
	KFES1	100	W, BL, BR, C
	KFES2	20	W, BL, BR


**handed round/ogee gutter adaptors**

	code	pk	colours
	OGS1	1	W, BL, BR
	OGS2	1	W, BL, BR

**fascia bracket**

	code	pk	colours
	KFKS1	100	W, BL, BR, C

**side rafter bracket**

	code	pk	colours
	KFSRB	10	

**union bracket**

	code	pk	colours
	KFUS1	30	W, BL, BR, C

**top rafter bracket**

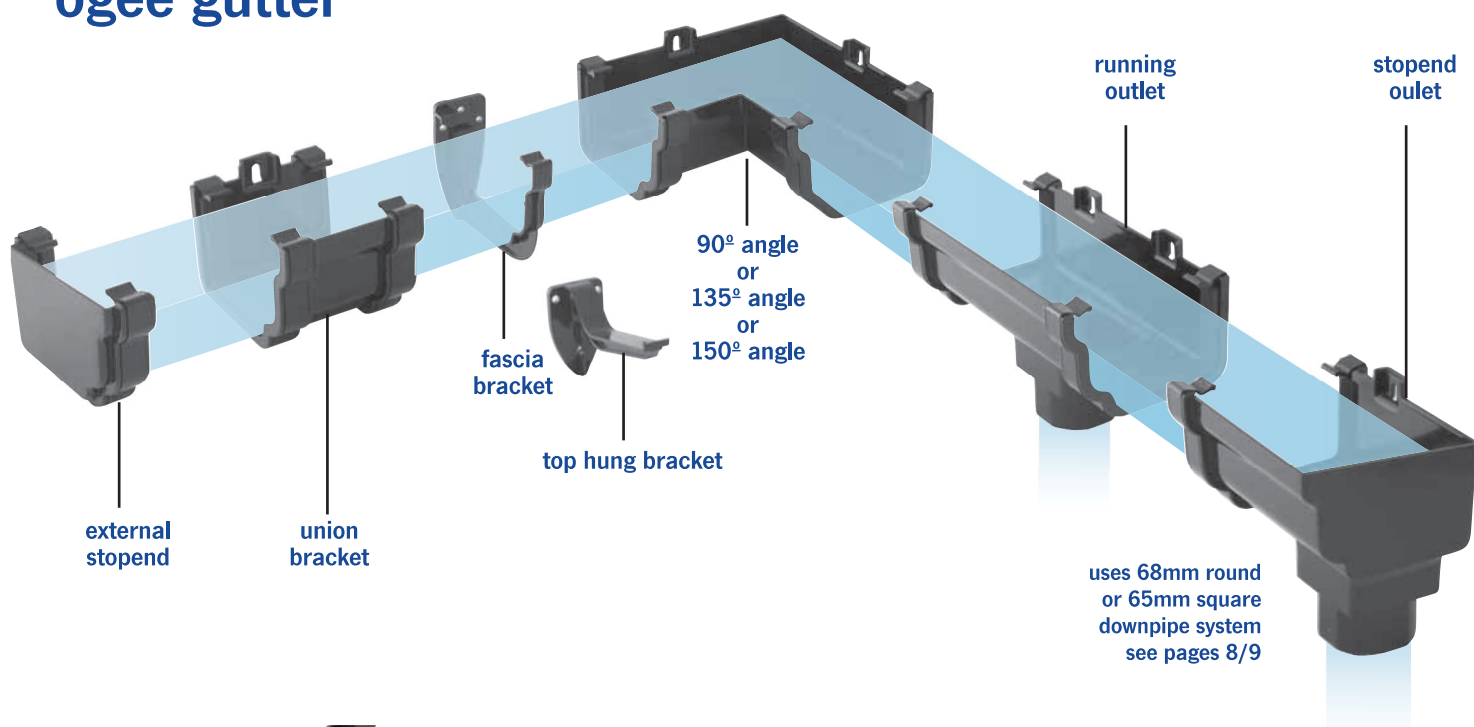
	code	pk	colours
	KFTRB	10	



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## ogee gutter

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



### ogee gutter

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

### 90° & 135° internal angle

	OGA1	10	W, BL, BR, C, AG
	OGA3	10	W, BL, BR, C, AG

### 90° external angle

	OGA2	10	W, BL, BR, C, AG
--	------	----	------------------

### 135° & 150° external angles

	135°	OGA4	10	W, BL, BR, C, AG**
	150°	OGA5	4	W, BL, BR, C, AG**


### union bracket

	OGU1	8	W, BL, BR, C, AG
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### external stopend

	L/H		R/H	OGE1 (L) OGE2 (R)	10	W, BL, BR, C, AG
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### gutter brackets

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

### running outlet

	OGO1	10	W, BL, BR, C, AG
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### stopend outlets

	L/H		R/H	OGO2 (R) OGO3 (L)	10	W, BL, BR, C
--	-----	--	-----	----------------------	----	--------------

### handed ogee/deep gutter adaptors

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

### handed square/ogee gutter adaptors

	*ogee/square	OGS1	1	W, BL, BR
	*square/ogee	OGS2	1	W, BL, BR

### handed round/ogee gutter adaptors

	*ogee/round	OGR1	1	W, BL, BR
	*round/ogee	OGR2	1	W, BL, BR

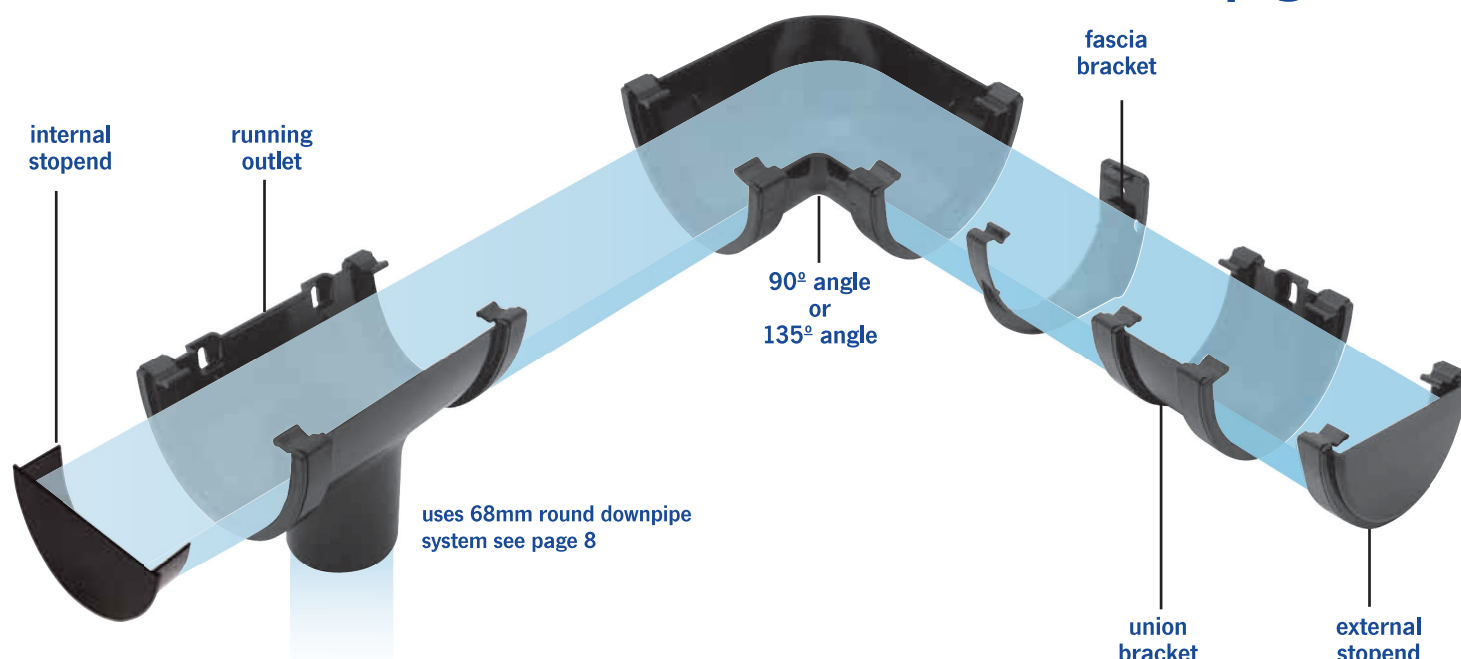
\*Gutter adaptors - description denotes which side each section is on when looking at the building.

\*\*Only applicable to OGA4 and OGK1

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

# Kayflow<sup>®</sup>

## 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	W, BL, BR, AG

### reversible gutter adaptors

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

### handed ogee/deep gutter adaptors

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

### fascia bracket

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

### running outlet

	KDO1	10	W, BL, BR, AG
--	------	----	---------------

### union bracket

	KDU1	10	W, BL, BR, AG
--	------	----	---------------

## accessories

### rainwater diverter and leaf trap

	KFRD1	1	W, BL
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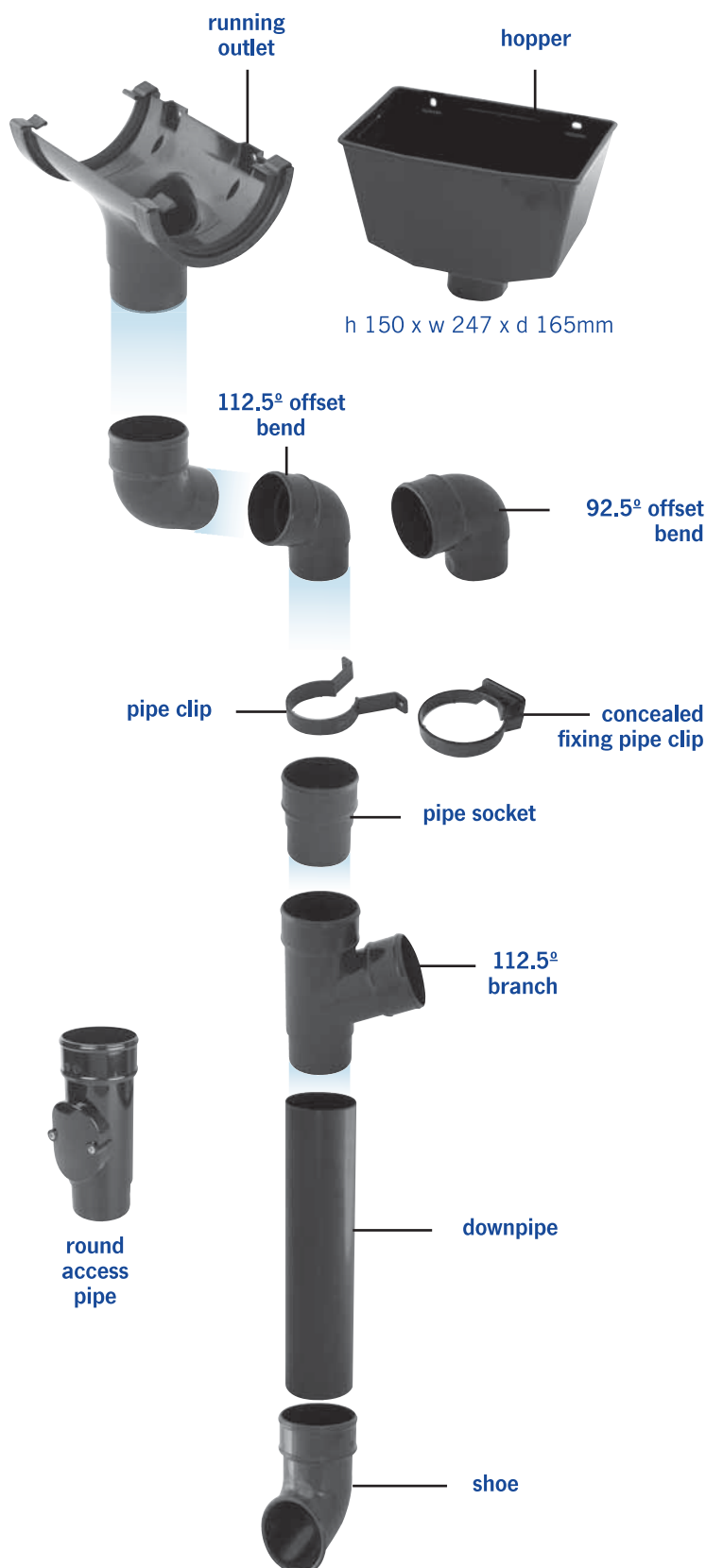
### hopper (square/round)

	KFHS1	10	W, BL, BR, C, GY, AG
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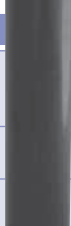
h 150 x w 247 x d 165mm

## 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
---	------	----	-------------------

### shoe

	KFB3	30	W, BL, BR, GY, AG
---	------	----	-------------------

### pipe clip

	KFC1	100	W, BL, BR, GY, AG
--	------	-----	-------------------


### concealed fixing pipe clip

	OGC3	10	W, BL, BR
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### square/round hopper

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

### pipe socket

	KFS1	20	W, BL, BR, GY, AG
---	------	----	-------------------

### 112.5° branch

	KFY1	10	W, BL, BR, GY, AG
--	------	----	-------------------

### square/round down pipe adaptor


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

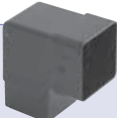
	KFAP	1	W, BL, BR
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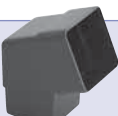
## square down pipe

		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

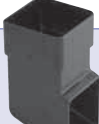
## 92.5° offset bend

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

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


## shoe

	KFBS3	30	W, BL, BR, C, AG
---	-------	----	------------------

## pipe clip

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


## pipe clip (flush)

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

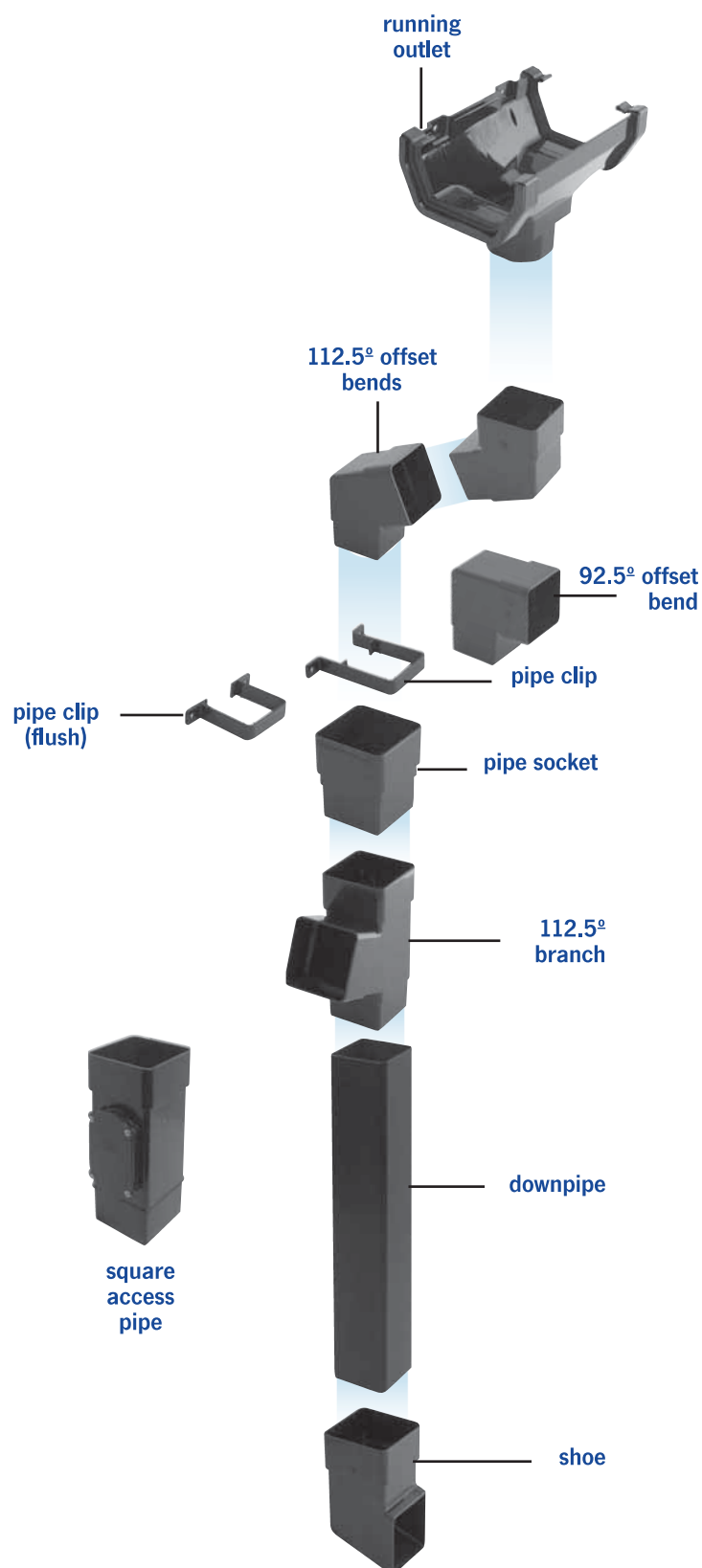
## square access pipe

	KFSAP	1	W, BL, BR
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# Kayflow®

## square down pipe

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



# Kayflow<sup>®</sup>

## 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.

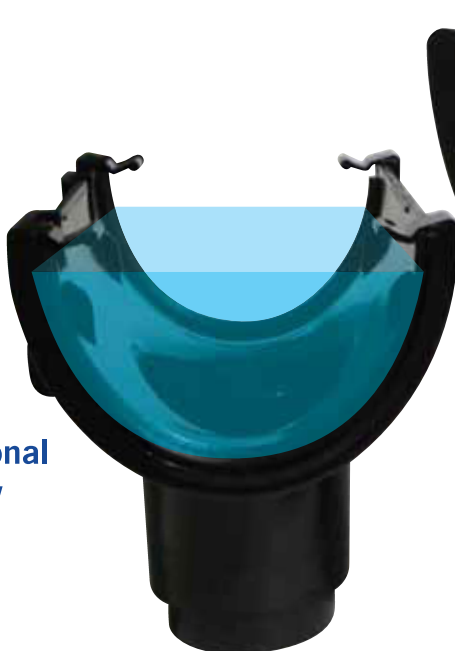
SuperDeep 170 has an independently tested, market leading flow rate of 4.3 litres per second.

- Ultra tough, thick-wall system
- 170mm high capacity commercial system
- White core reduces heat absorbtion
- 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

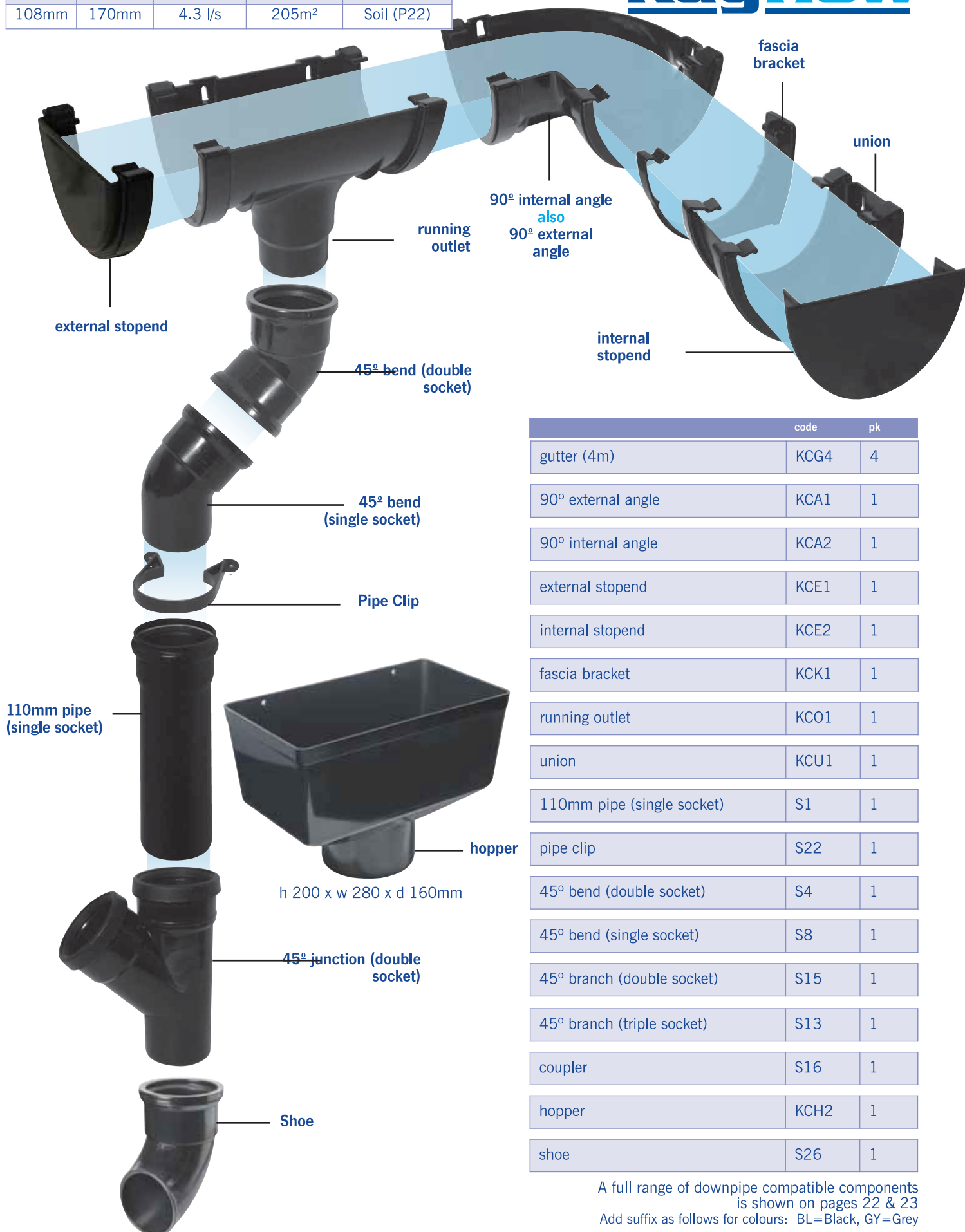
**conventional  
deep flow**  
(see page 7)



**SuperDeep 170**

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

# Kayflow®



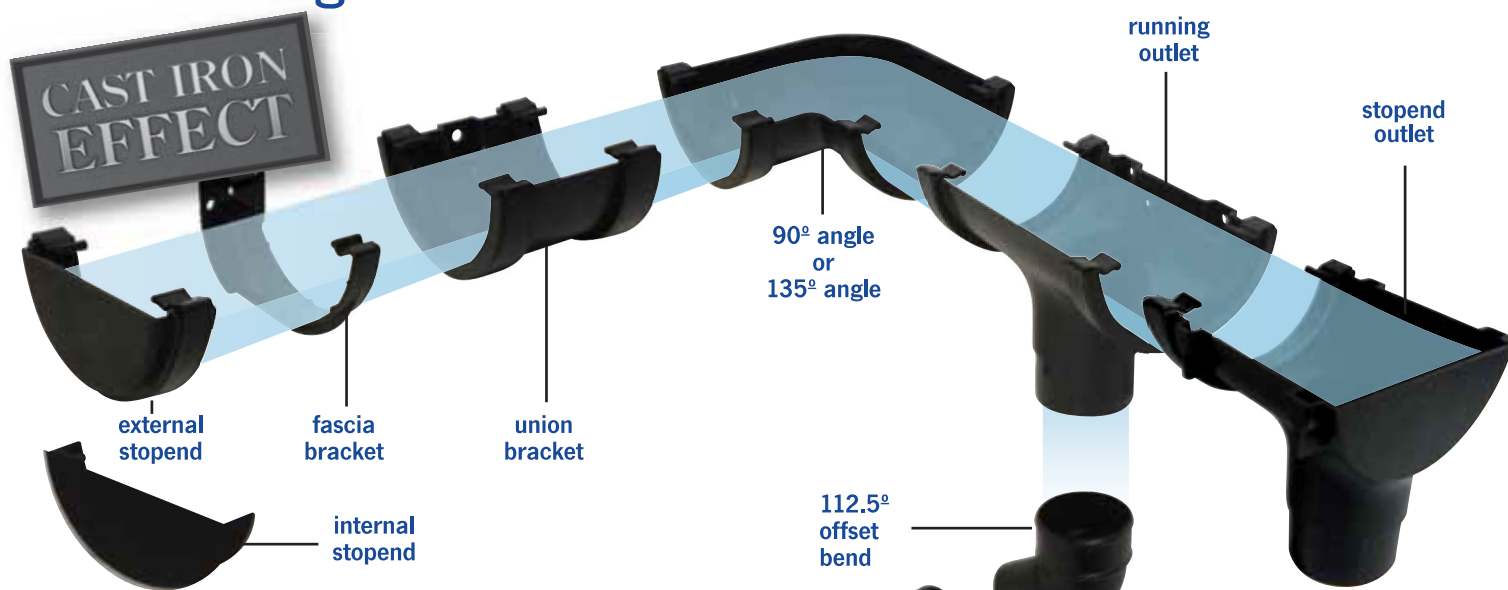
	code	pk
gutter (4m)	KCG4	4
90° external angle	KCA1	1
90° internal angle	KCA2	1
external stopend	KCE1	1
internal stopend	KCE2	1
fascia bracket	KCK1	1
running outlet	KCO1	1
union	KCU1	1
110mm pipe (single socket)	S1	1
pipe clip	S22	1
45° bend (double socket)	S4	1
45° bend (single socket)	S8	1
45° branch (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 <sup>2</sup>	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

pipe clip

pipe socket

112.5°  
branch

downpipe

shoe

### Cast Iron Effect

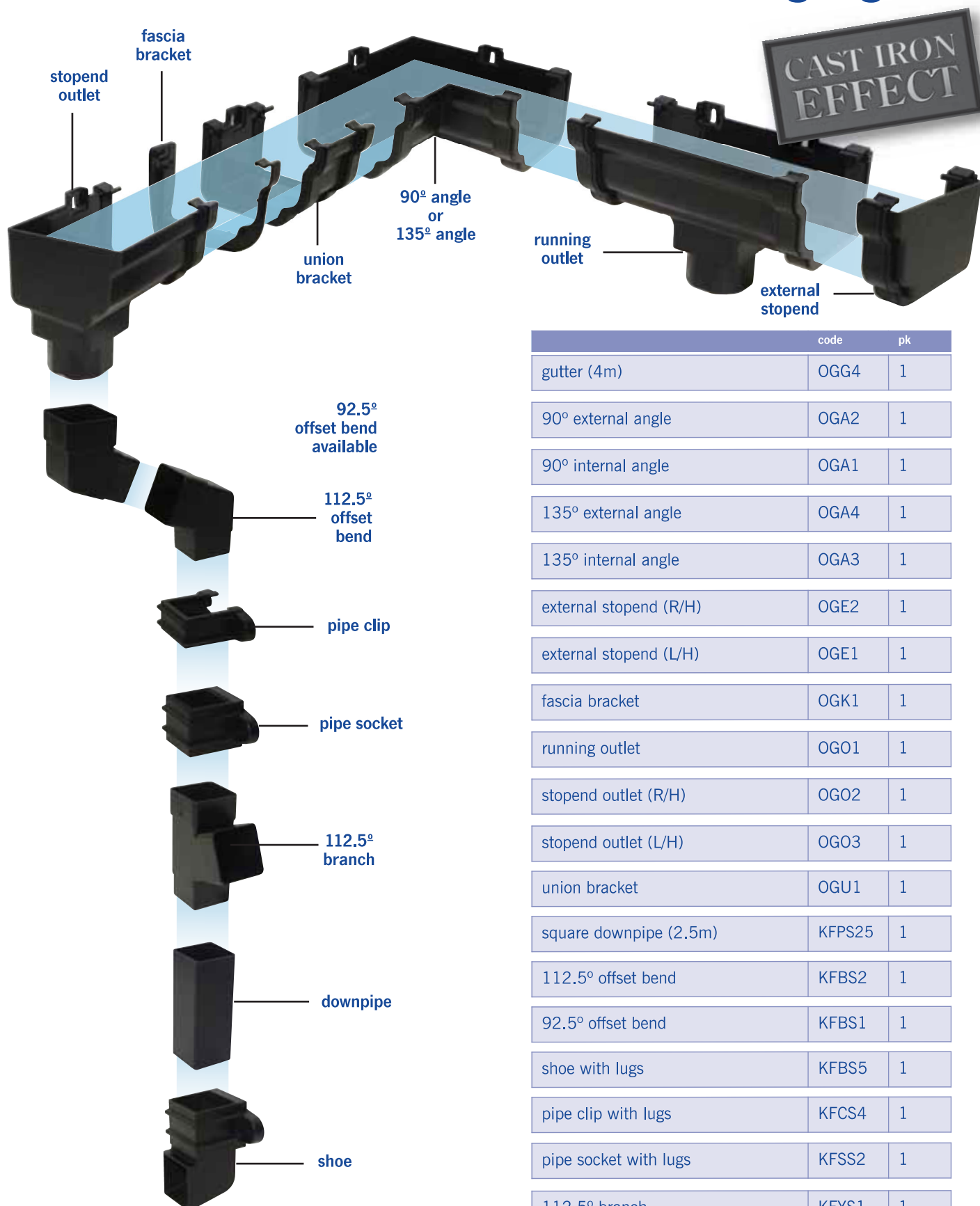
Complete system with bespoke components for an authentic cast iron appearance.



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

# Kayflow®

## ogee gutter



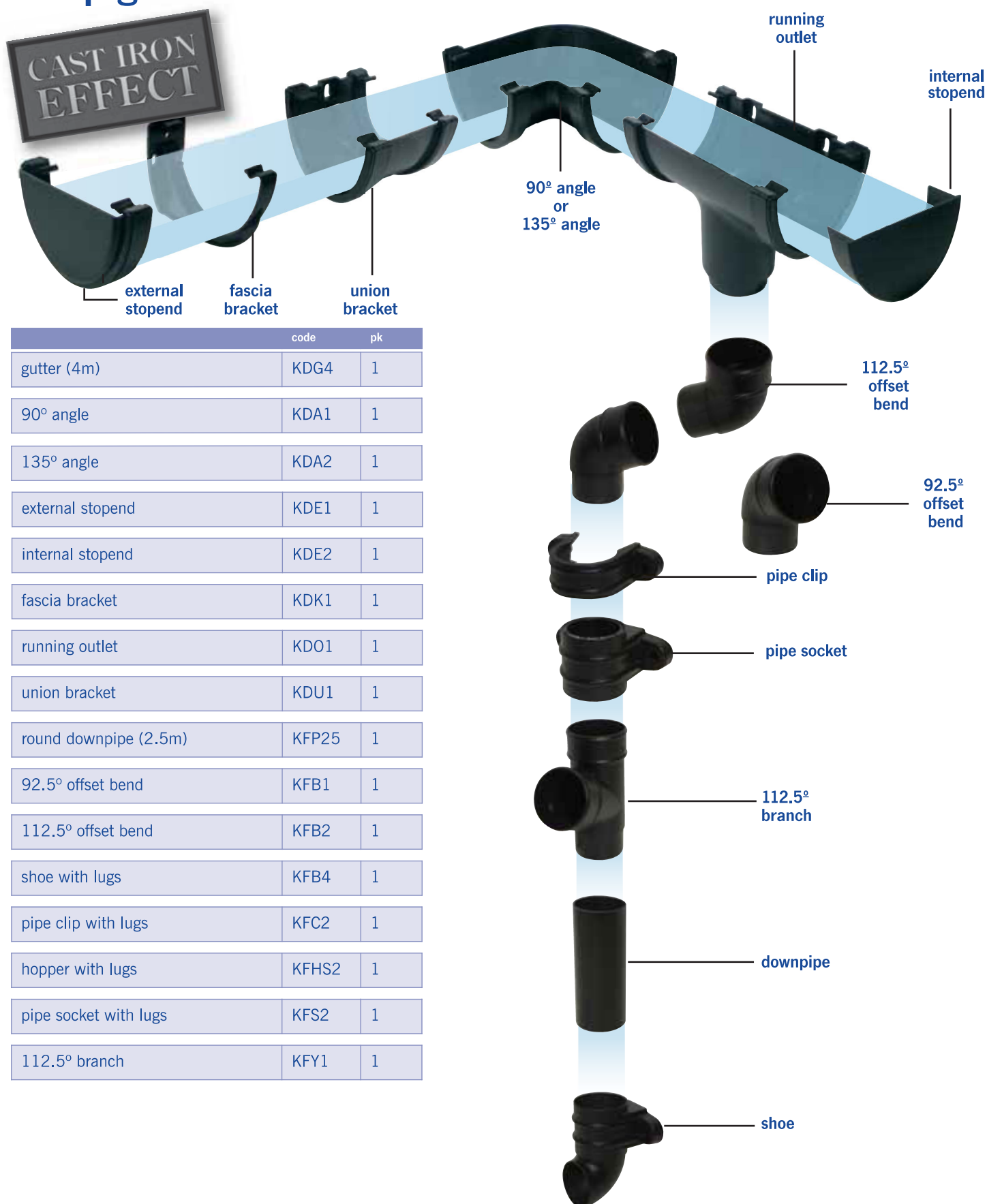
	code	pk
gutter (4m)	OGG4	1
90° external angle	OGA2	1
90° internal angle	OGA1	1
135° external angle	OGA4	1
135° internal angle	OGA3	1
external stopend (R/H)	OGE2	1
external stopend (L/H)	OGE1	1
fascia bracket	OGK1	1
running outlet	OGO1	1
stopend outlet (R/H)	OGO2	1
stopend outlet (L/H)	OGO3	1
union bracket	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



# Kayflow<sup>®</sup>

## deep gutter

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



## 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.

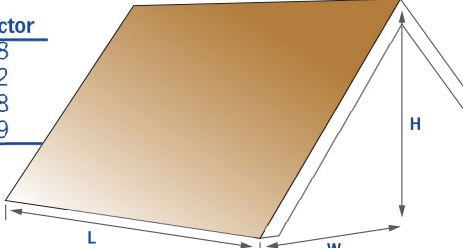
Volume of water coming off a roof = A x B where:

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.

### Installation

- Fascia brackets must be used within 150mm of both sides of any gutter fitting.
- Use all fixing positions on all unions, angles and outlets for all systems.
- Whilst it is best practice to make use of all available fixing holes for gutter brackets, the specification in the table (below) may be adopted. Ensure the fixings are long enough to penetrate the rear face of the board. If the cellular PVC fascia board is less than 16mm thick, install a backing board to accept gutter bracket fixings. The gutter should be fitted as high as possible but not such that the outer edge projects above the line of the roof.
- For all gutters, the tile overhang from the fascia board should not be more than 50mm.
- Where over fascia ventilation is used, it may be necessary to use a gutter spacer and height adjuster bracket in conjunction with fascia brackets to ensure the gutter is fitted in the optimum position.
- When installing above conservatories it is recommended that a maximum spacing of 500mm is used on all profiles.

### Specifications for gutter bracket fixings

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

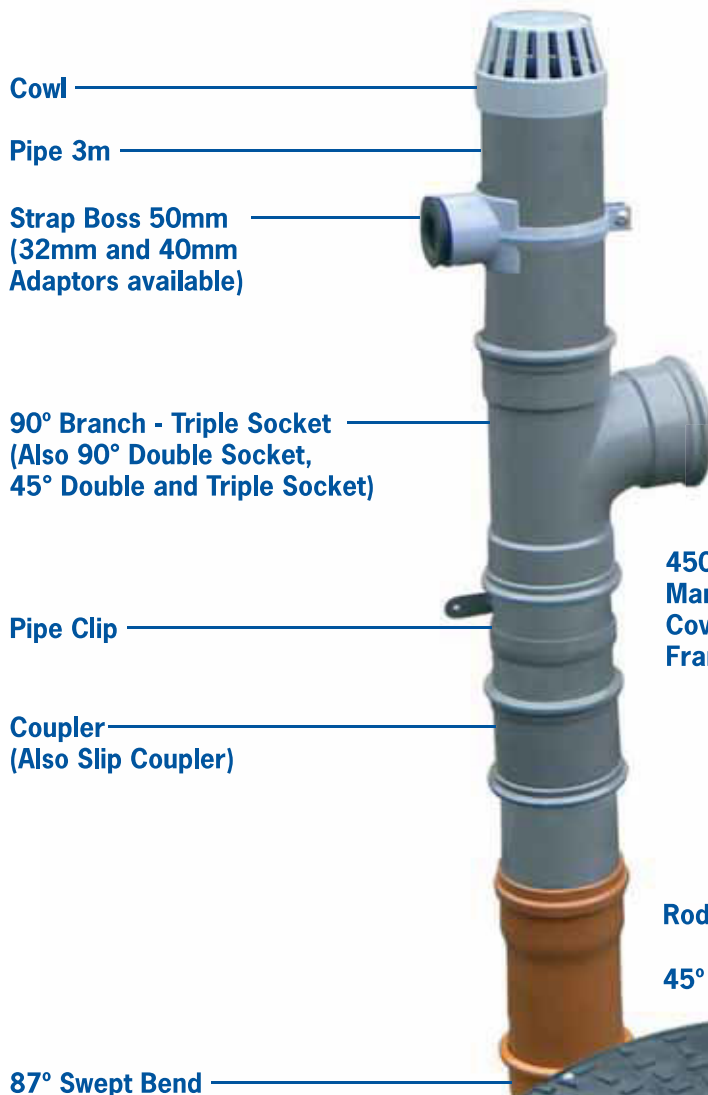
(4mm = 8 gauge, 5mm = 10 gauge, 6.5mm = 12 gauge stainless steel pan head screw)

**System Specifications** (All flow rates have been independently established through physical testing to BS 12056-3:2000)

Gutter Type	Flow rate End Outlet (gutter laid level)	Area Drained	'Short' length gutter	Downpipe
Round	0.9l/s	43m <sup>2</sup>	2.4m	68mm Round
Square	1.6l/s	76m <sup>2</sup>	2.7m	68mm Round, 65mm Square
Deepflow	1.8l/s	86m <sup>2</sup>	3.4m	68mm Round
Ogee	2.2l/s	105m <sup>2</sup>	3.4m	68mm Round, 65mm Square
SuperDeep 170	4.3l/s	205m <sup>2</sup>	5.45m	100/110mm Round
Cast Effect Round	0.9l/s	43m <sup>2</sup>	2.4m	68mm Round
Cast Effect Ogee	2.2l/s	105m <sup>2</sup>	3.4m	68mm Round, 65mm Square
Cast Effect Deep	1.8l/s	86m <sup>2</sup>	3.4m	68mm Round

### 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. For further advice on the specification and installation of Kayflow gutters please email: [info@kayflow.co.uk](mailto:info@kayflow.co.uk) or call 01827 317200



Cowl

Pipe 3m

Strap Boss 50mm  
(32mm and 40mm  
Adaptors available)

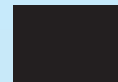
90° Branch - Triple Socket  
(Also 90° Double Socket,  
45° Double and Triple Socket)

Pipe Clip

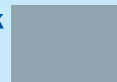
Coupler  
(Also Slip Coupler)

## 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



Black



Grey



White

450 Square  
Manhole  
Cover &  
Frame



Rodding Eye

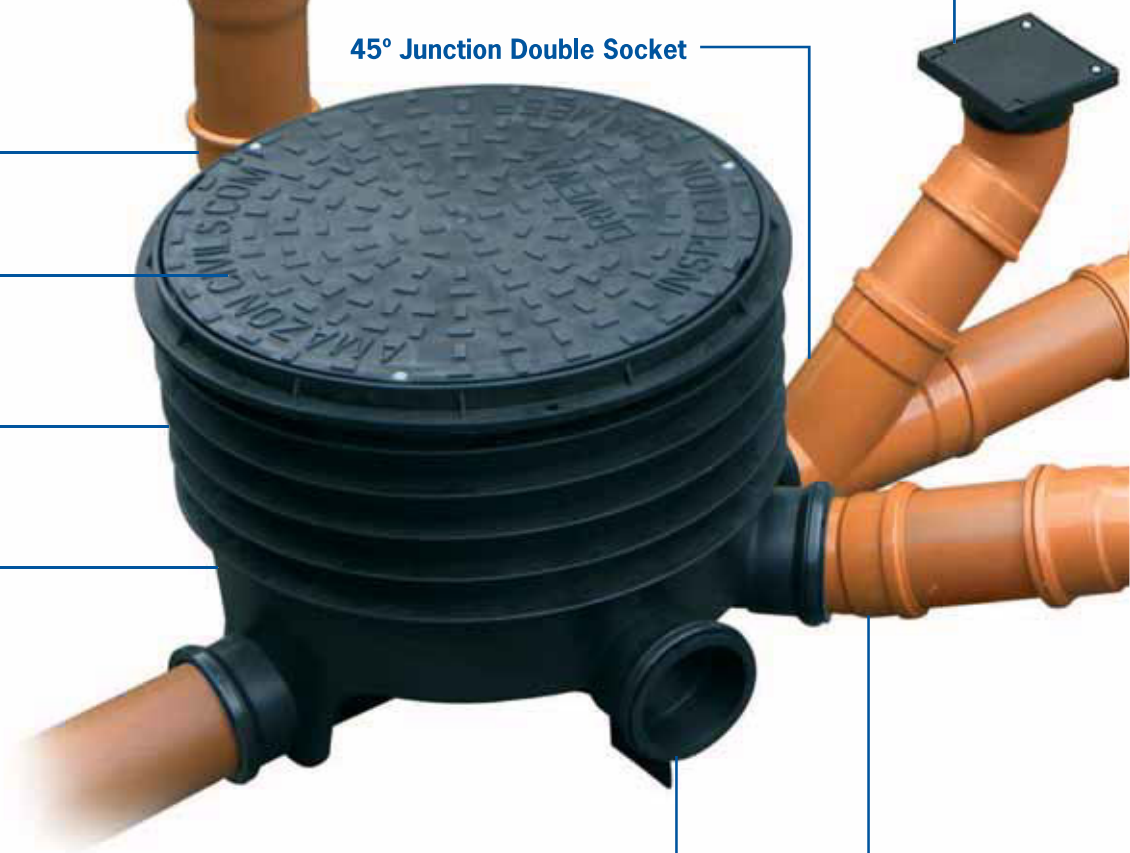
45° Junction Double Socket

87° Swept Bend  
(Single Socket)

450 Manhole Cover

450 Manhole Riser

450 Manhole Base  
(110mm outlets)



Removable  
Plug

15° Single Socket  
Bend

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

# Kayflow<sup>®</sup>

## soil & underground systems



KM 655203



KM 664034

For scope refer to the manufacturer.

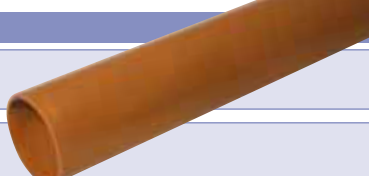
### Kayflow Underground System

- 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
---	---------------	---------

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°

Codes beginning with 'B' denote the specific BULK quantity shown.



## 110mm underground fittings



**45° junction (double socket)**

	code	pk
	UG47 BUG47	1 15



**45° junction (triple socket)**

	code	pk
	UG38 BUG38	1 15



**90° junction (double socket)**

	code	pk
	UG44 BUG44	1 15

with twin boss



**90° junction (triple socket)**

	code	pk
	UG39 BUG39	1 15

with twin boss



**P trap**

	code	pk
	UG100 BUG100	1 14

**standard bottle gully**

	code	pk
	UG101 BUG101	1 50
	UG106 Grid ONLY BUG106 Grid ONLY	1 150

**bottle gully (rear inlet)**

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

**gully raising piece**

	code	pk
	UG1006 BUG1006	1 12

**round to square grid adaptor**

	code	pk
	UG1008 BUG1008	1 10

for use with bottle gully

**rainwater adaptor**

	code	pk
	UG1010	1



**110mm straight rubber coupler**

	code	pk
	UG1011	1

**short hopper head**

	code	pk
	UG107 BUG107	1 60
	UG105 Grid ONLY BUG105 Grid ONLY	1 200

**square hopper**

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

**rectangular hopper**

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

**rodding eye**

	code	pk
	UG1012 BUG1012	1 20

**level invert reducer**

	code	pk
	UG115 BUG115	1 230

160 x 110mm

**plastic to clay adaptor**

	code	pk
	UG1009	1

## 160mm underground pipe & fittings

plain end pipe

	code	pk
	UG1160	1x3m
	UG2160	1x6m

single socket pipe

	code	pk
	UG3160	1x3m
	UG4160	1x6m

15° bend (single socket)

	code	pk
	UG28160	1

30° bend (single socket)

	code	pk
	UG26160	1

45° bend (single socket)

	code	pk
	UG24160	1

90° bend (single socket)

	code	pk
	UG22160	1

45° junction (double socket)

	code	pk
	UG47160	1

90° junction (double socket)

	code	pk
	UG44160	1

coupler (double socket)

	code	pk
	coupler UG10160	1


socket plug

	code	pk
	socket plug UG111160	1

15° bend (double socket)

	code	pk
	UG20160	1

30° bend (double socket)

	code	pk
	UG18160	1

45° bend (double socket)

	code	pk
	UG16160	1

45° junction (triple socket)

	code	pk
	UG38160	1

45° junction  
160mm x 110mm  
(double socket)

	code	pk
	UG49160	1

90° junction  
160mm x 110mm  
(double socket)

	code	pk
	UG48160	1

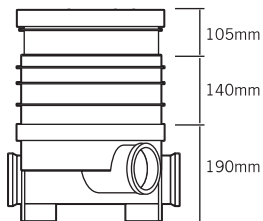
# Kayflow<sup>®</sup>

## inspection chambers

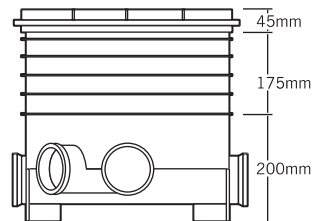
### 320 inspection chamber

### 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



**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 BUG1001 UG2001(35kN) BUG2001(35kN)	1 52 1 52

### 320 manhole cover and frame

	code	pk
	UG1000 BUG1000 UG2000 (35kN) BUG2000 (35kN)	1 54 1 54

UG1000

UG2000

### 320 raising piece

	code	pk
	UG1002 BUG1002	1 99

### 320 manhole base

	code	pk
	UG1004 BUG1004	1 56

### 450 raising piece

	code	pk
	UG1003 BUG1003	1 36

### riser seals for 450 base

	code	pk
	UG1007 BUG1007	10 150

### 450 manhole base

	code	pk
	UG1005 BUG1005	1 32

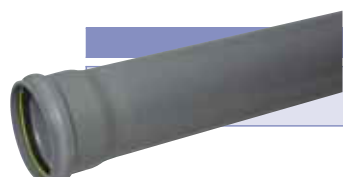
### 450 manhole base (160mm main run and side inlets)

	code	pk
	UG1014 BUG1014	1 24


# Kayflow®

## 110mm soil


pipe (single socket)


	code	pk	colours
	S1	1x3m	GY

coupler


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


slip/repair coupler

	code	pk	colours
	S1	1x3m	BL


	code	pk	colours
	S17	1	BL, GY

90° short access bend (single socket)


	code	pk	colours
	S1	1x3m	WH

	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

# Kayflow®

## 110mm soil



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





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