

TECHNICAL PRODUCT GUIDE 2021



Cast Aluminium Gutters



Plain Half Round



Beaded Half Round



Beaded Deepflow



Victorian Ogee



Moulded Ogee

	100mm (4")	114mm (4.5")	125mm (5")	150mm (6")
Plain Half Round	✓	✓	✓	✓
Beaded Half Round	✓	✓	✓	
Beaded Deepflow		✓		
Victorian Ogee	✓	✓	✓	
Moulded Ogee	✓		✓	✓

Cast aluminium gutters have become the widely accepted alternative to Cast Iron and are now a first choice owing to their lightweight, corrosion resistant, low maintenance and aesthetically pleasing characteristics.

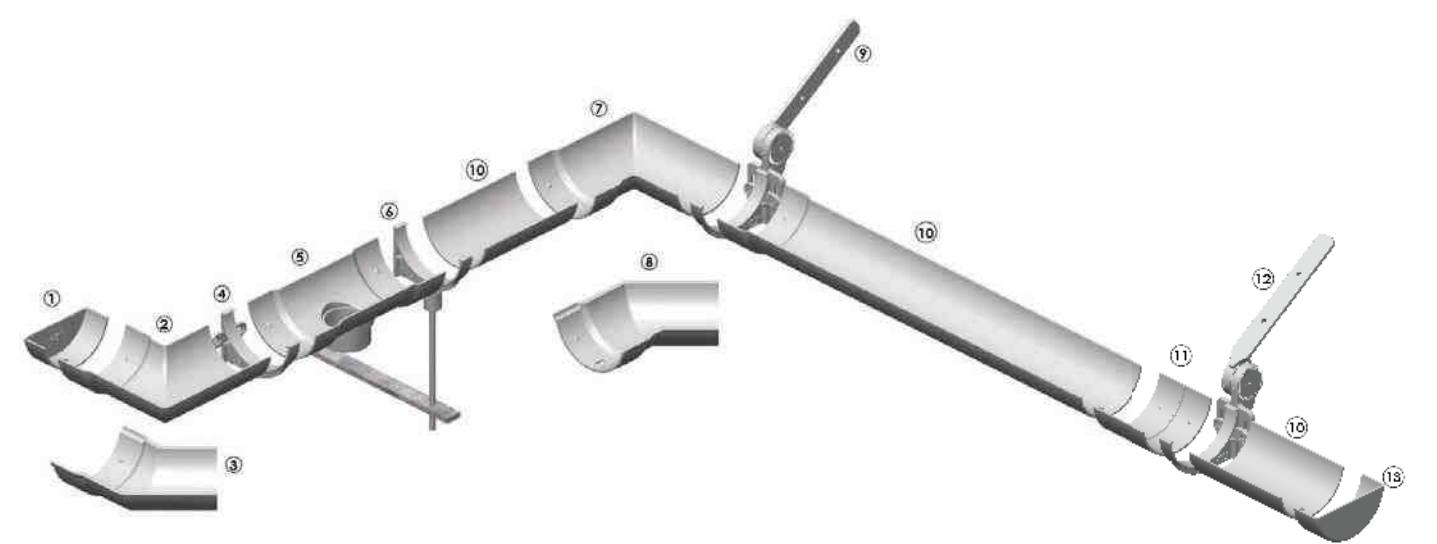
- Made from aluminium alloy LM6 to BS5750:2008.
- 100% recyclable.
- Lightweight.
- Marine grade.
- Variety of profiles available.
- Radius and special fittings can be provided.
- Mill finish or powder coated to your choice of RAL/BS Colour.
- Fitting instructions included with every delivery.



All Legacy cast aluminium gutter systems are left hand systems

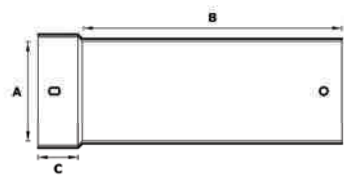


System Overview



Number	Item	Number	Item
1	Internal Stopend	8	135° Internal Angle
2	90° External Angle	9	Side Fix Rafter Bracket
3	135° External Angle	10	Gutter Length
4	Fascia Bracket	11	Union Connector
5	Running Outlet	12	Top Fix Rafter Bracket
6	Rise and Fall Bracket	13	External Stopend
7	90° Internal Angle		

Gutter Lengths

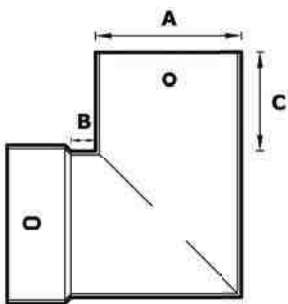


GUTTER SIZE A	B	C	DEPTH	PRODUCT CODE
100 (4")	1830	40	47	4CHRG1.8
114 (4½")	1830	40	51	4.5CHRG1.8
125 (5")	1830	40	59	5CHRG1.8
150 (6")	1830	40	63	6CHRG1.8



True and faceted radius gutters are available, for more information contact our Technical Team.

90° External Angle

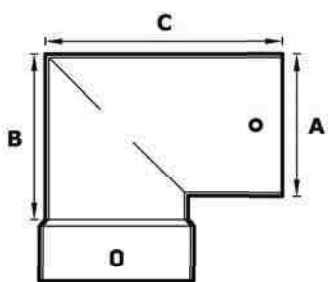


GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	33	85	4CHRAX90
114 (4½")	33	78	4.5CHRAX90
125 (5")	33	75	5CHRAX90
150 (6")	33	75	6CHRAX90

Non standard angles available on request.



90° Internal Angle

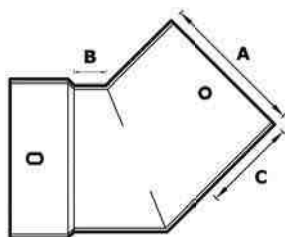


GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	138	190	4CHRAI90
114 (4½")	152	197	4.5CHRAI90
125 (5")	164	206	5CHRAI90
150 (6")	190	232	6CHRAI90

Non standard angles available on request.



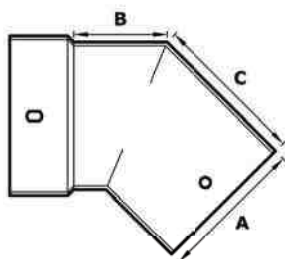
135° External Angle



GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	33	75	4CHRAX135
114 (4½")	33	78	4.5CHRAX135
125 (5")	33	71	5CHRAX135
150 (6")	33	71	6CHRAX135

Non standard angles available on request.

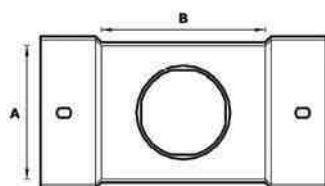
135° Internal Angle



GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	76	118	4CHRAI135
114 (4½")	82	124	4.5CHRAI135
125 (5")	87	125	5CHRAI135
150 (6")	97	136	6CHRAI135

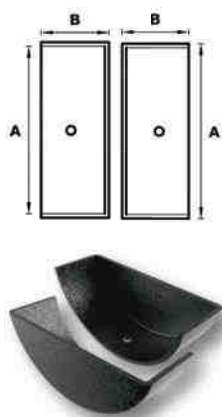
Non standard angles available on request.

Running Outlet



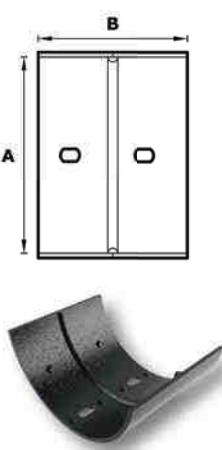
GUTTER SIZE A	OUTLET SIZE	B	PRODUCT CODE
100 (4")	Ø63	156	4CHRO2R
100 (4")	Ø76	156	4CHRO3R
114 (4½")	Ø63	156	4.5CHRO2R
114 (4½")	Ø76	156	4.5CHRO3R
125 (5")	Ø63	156	5CHRO2R
125 (5")	Ø76	156	5CHRO3R
150 (6")	Ø63	156	6CHRO2R
150 (6")	Ø76	154	6CHRO3R
150 (6")	Ø101	196	6CHRO4R

Stopends Internal/External



GUTTER SIZE A	B	PRODUCT CODE INT	PRODUCT CODE EXT
100 (4")	43	4CHRSEI	4CHRSEX
114 (4½")	43	4.5CHRSEI	4.5CHRSEX
125 (5")	43	5CHRSEI	5CHRSEX
150 (6")	43	6CHRSEI	6CHRSEX

Union Connector



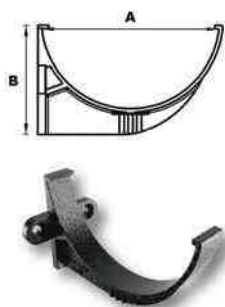
GUTTER SIZE A	B	PRODUCT CODE
100 (4")	95	4CHRUC
114 (4½")	95	4.5CHRUC
125 (5")	95	5CHRUC
150 (6")	95	6CHRUC

We manufacture and powder coat in-house, with short lead times, and items available from stock.

Call us to discuss your requirements on **0116 289 4400.**

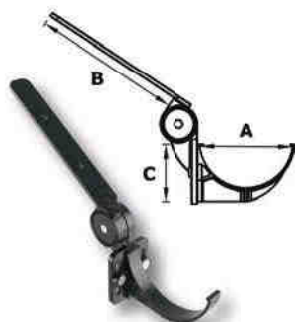


Fascia Bracket



GUTTER SIZE A	B	PRODUCT CODE
100 (4")	71	4CHRBFB
114 (4½")	76	4.5CHRBFB
125 (5")	84	5CHRBFB
150 (6")	95	6CHRBFB

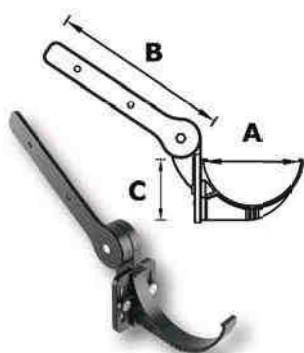
Top Fix Rafter Bracket



GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	195	71	4CHRBRT
114 (4½")	195	76	4.5CHRBRT
125 (5")	195	84	5CHRBRT
150 (6")	195	95	6CHRBRT

Brackets can be set to required roof pitch but manual adjustment can be made on side if required.

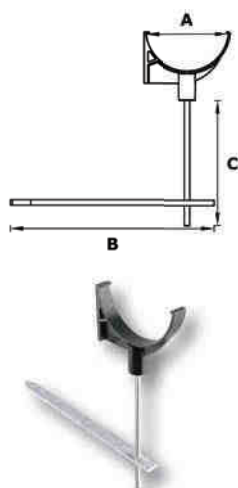
Side Fix Rafter Bracket



GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	225	71	4CHRBRS
114 (4½")	225	76	4.5CHRBRS
125 (5")	225	84	5CHRBRS
150 (6")	225	95	6CHRBRS

Brackets can be set to required roof pitch but manual adjustment can be made on side if required.

Rise and Fall Bracket

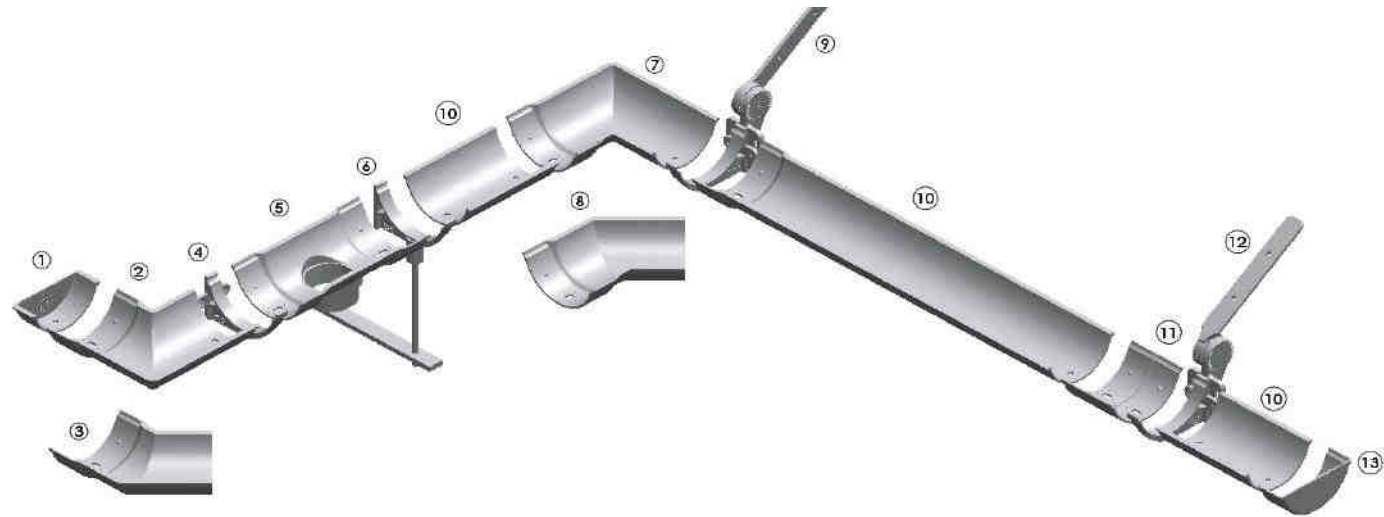


GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	330	190	4CHRBFB
114 (4½")	330	190	4.5CHRBFB
125 (5")	330	190	5CHRBFB
150 (6")	330	190	6CHRBFB

All dimensions shown in mm unless otherwise stated.

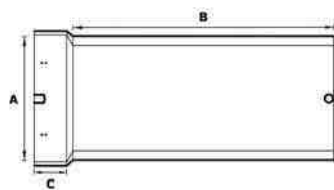


System Overview



Number	Item	Number	Item
1	Internal Stopend	8	135° Internal Angle
2	90° External Angle	9	Side Fix Rafter Bracket
3	135° External Angle	10	Gutter Length
4	Fascia Bracket	11	Union Connector
5	Running Outlet	12	Top Fix Rafter Bracket
6	Rise and Fall Bracket	13	External Stopend
7	90° Internal Angle		

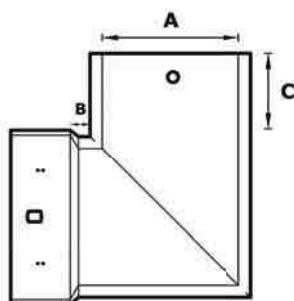
Gutter Lengths



GUTTER SIZE A	B	C	DEPTH	PRODUCT CODE
100 (4")	1830	40	47	4CBHRG1.8
114 (4½")	1830	40	51	4.5CBHRG1.8
125 (5")	1830	40	59	5CBHRG1.8

True and faceted radius gutters are available, for more information contact our Technical Team.

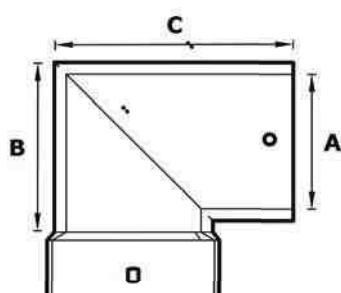
90° External Angle



GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	28	80	4CBHRAX90
114 (4½")	28	73	4.5CBHRAX90
125 (5")	28	70	5CBHRAX90

Non standard angles available on request.

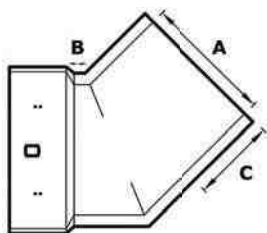
90° Internal Angle



GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	143	195	4CBHRAI90
114 (4½")	157	202	4.5CBHRAI90
125 (5")	169	211	5CBHRAI90

Non standard angles available on request.

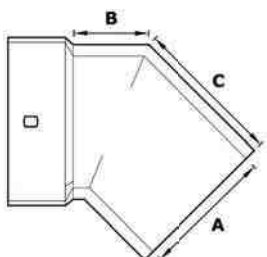
135° External Angle



GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	31	73	4CBHRAX135
114 (4½")	31	73	4.5CBHRAX135
125 (5")	31	69	5CBHRAX135

Non standard angles available on request.

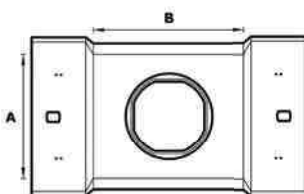
135° Internal Angle



GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	76	118	4CBHRAI135
114 (4½")	84	126	4.5CBHRAI135
125 (5")	89	127	5CBHRAI135

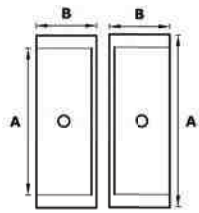
Non standard angles available on request.

Running Outlets



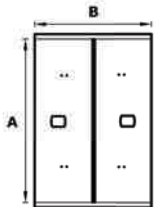
GUTTER SIZE A	OUTLET SIZE	B	PRODUCT CODE
100 (4")	Ø63	156	4CBHRO2R
100 (4")	Ø76	156	4CBHRO3R
114 (4½")	Ø63	156	4.5CBHRO2R
114 (4½")	Ø76	156	4.5CBHRO3R
125 (5")	Ø63	156	5CBHRO2R
125 (5")	Ø76	156	5CBHRO3R

Stopends Internal/External



GUTTER SIZE A	B	PRODUCT CODE INT	PRODUCT CODE EXT
100 (4")	43	4CBHRSEI	4CBHRSEX
114 (4½")	43	4.5CBHRSEI	4.5CBHRSEX
125 (5")	43	5CBHRSEI	5CBHRSEX

Union Connector



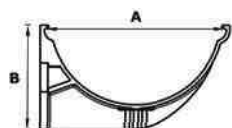
GUTTER SIZE A	B	PRODUCT CODE
100 (4")	95	4CBHRUC
114 (4½")	95	4.5CBHRUC
125 (5")	95	5CBHRUC

Trueline, for all your aluminium roofline requirements - fascia, soffit, cappings, copings and bespoke pressings.

Call us today on
0116 289 4400

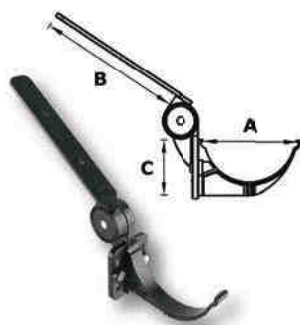


Fascia Bracket



GUTTER SIZE A	B	PRODUCT CODE
100 (4")	71	4CBHRBF
114 (4½")	76	4.5CBHRBF
125 (5")	84	5CBHRBF

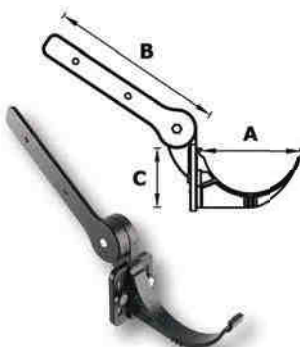
Top Fix Rafter Bracket



GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	195	71	4CBHRBRT
114 (4½")	195	76	4.5CBHRBRT
125 (5")	195	84	5CBHRBRT

Brackets can be set to required roof pitch but manual adjustment can be made on side if required.

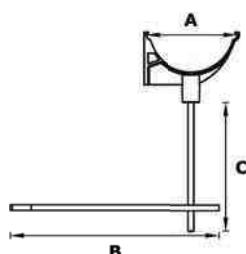
Side Fix Rafter Bracket



GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	225	71	4CBHRBRS
114 (4½")	225	76	4.5CBHRBRS
125 (5")	225	84	5CBHRBRS

Brackets can be set to required roof pitch but manual adjustment can be made on side if required.

Rise and Fall Bracket



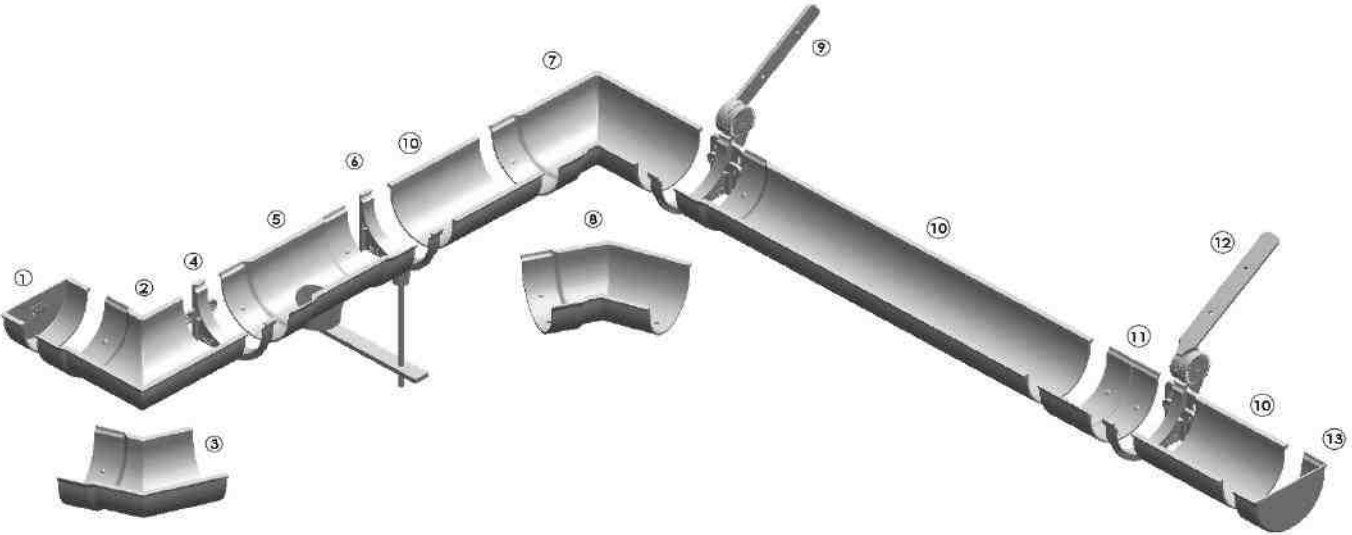
GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	300	190	4CBHRBRF
114 (4½")	300	190	4.5CBHRBRF
125 (5")	300	190	5CBHRBRF



All dimensions shown in mm unless otherwise stated.

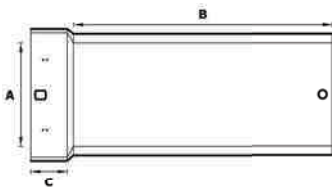


System Overview



Number	Item	Number	Item
1	Internal Stopend	8	135° Internal Angle
2	90° External Angle	9	Side Fix Rafter Bracket
3	135° External Angle	10	Gutter Length
4	Fascia Bracket	11	Union Connector
5	Running Outlet	12	Top Fix Rafter Bracket
6	Rise and Fall Bracket	13	External Stopend
7	90° Internal Angle		

Gutter Lengths

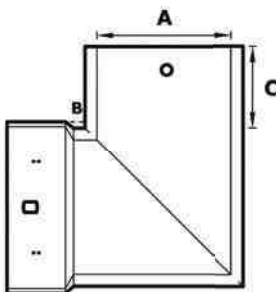


GUTTER SIZE A	B	C	DEPTH	PRODUCT CODE
114 (4½")	1830	50	75 (3")	4.5CDBHRG1.8

True and faceted radius gutters are available, for more information contact our Technical Team.



90° External Angle

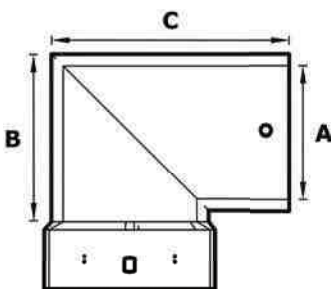


GUTTER SIZE A	B	C	PRODUCT CODE
114 (4½")	28	70	4.5CDBHRAX90

Non standard angles available on request.



90° Internal Angle

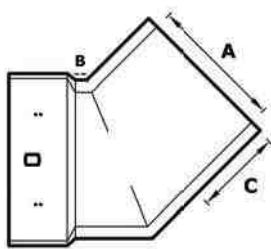


GUTTER SIZE A	B	C	PRODUCT CODE
114 (4½")	162	204	4.5CDBHRAI90

Non standard angles available on request.



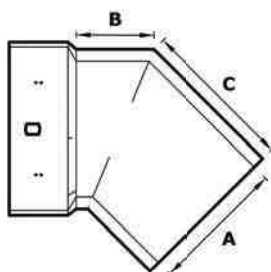
135° External Angle



GUTTER SIZE A	B	C	PRODUCT CODE
114 (4½")	28	70	4.5CDBHRAX135

Non standard angles available on request.

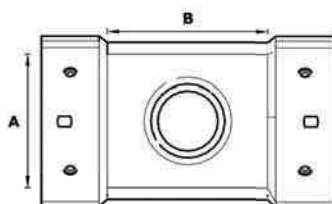
135° Internal Angle



GUTTER SIZE A	B	C	PRODUCT CODE
114 (4½")	83	125	4.5CDBHRAI135

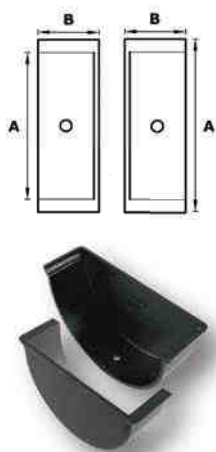
Non standard angles available on request.

Running Outlet



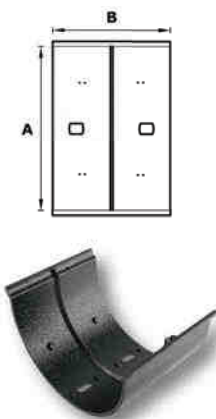
GUTTER SIZE A	OUTLET SIZE	B	PRODUCT CODE
114 (4½")	Ø63	156	4.5CDBHRO2R
114 (4½")	Ø76	156	4.5CDBHRO3R

Stopends Internal/External



GUTTER SIZE A	B	PRODUCT CODE INT	PRODUCT CODE EXT
114 (4½")	43	4.5CDBHRSEI	4.5CDBHRSEX

Union Connector



GUTTER SIZE A	B	PRODUCT CODE
114 (4½")	95	4.5CDBHRUC

Need help with rainfall calculations?

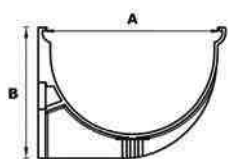
We can help.

Simply provide us with a few dimensions and we will do the rest for you.



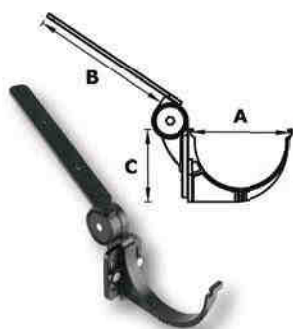
All dimensions shown in mm unless otherwise stated.

Fascia Bracket



GUTTER SIZE A	B	PRODUCT CODE
114 (4½")	100	4.5CDBHRBF

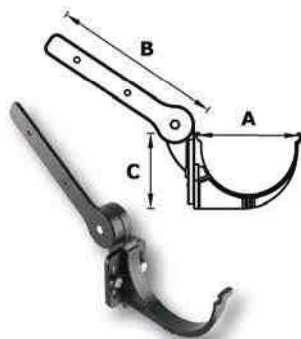
Top Fix Rafter Bracket



GUTTER SIZE A	B	C	PRODUCT CODE
114 (4½")	195	100	4.5CDBHRBRT

Brackets can be set to required roof pitch but manual adjustment can be made on side if required.

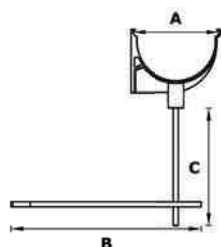
Side Fix Rafter Bracket



GUTTER SIZE A	B	C	PRODUCT CODE
114 (4½")	225	100	4.5CDBHRBS

Brackets can be set to required roof pitch but manual adjustment can be made on side if required.

Rise and Fall Bracket

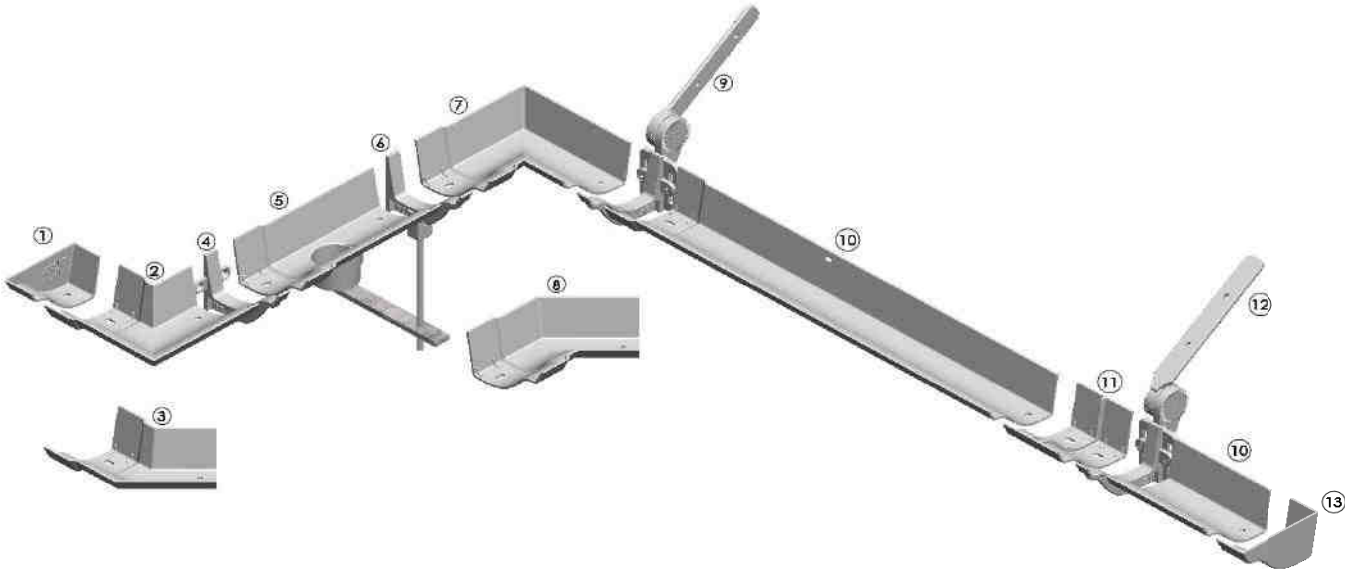


GUTTER SIZE A	3	C	PRODUCT CODE
114 (4½")	330	190	4.5CDBHRBRF

All dimensions shown in mm unless otherwise stated.



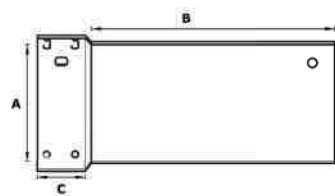
System Overview



Number	Item	Number	Item
1	Internal Stopend	8	135° Internal Angle
2	90° External Angle	9	Side Fix Rafter Bracket
3	135° External Angle	10	Gutter Length
4	Fascia Bracket	11	Union Connector
5	Running Outlet	12	Top Fix Rafter Bracket
6	Rise and Fall Bracket	13	External Stopend
7	90° Internal Angle		

All dimensions shown in mm unless otherwise stated.

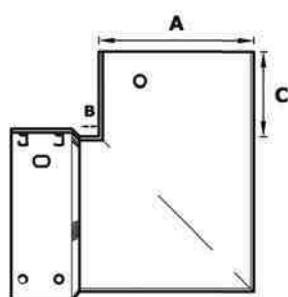
Gutter Lengths



GUTTER SIZE A	B	C	DEPTH	PRODUCT CODE
100 (4")	1830	40	55	4CVOG1.8
114 (4½")	1830	40	61	4.5CVOG1.8
125 (5")	1830	40	67	5CVOG1.8

True and faceted radius gutters are available, for more information contact our Technical Team.

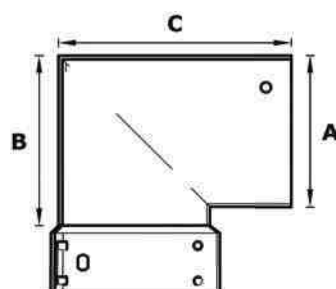
90° External Angle



GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	24	68	4CVOAX90
114 (4½")	19	63	4.5CVOAX90
125 (5")	24	68	5CVOAX90

Non standard angles available on request.

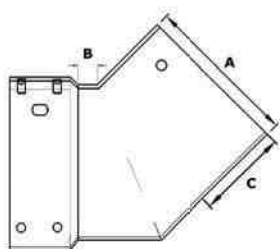
90° Internal Angle



GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	135	179	4CVOAI90
114 (4½")	143	189	4.5CVOAI90
125 (5")	157	201	5CVOAI90

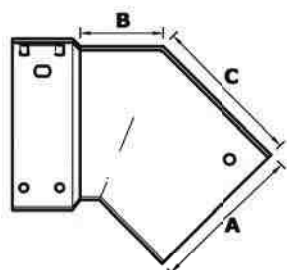
Non standard angles available on request.

135° External Angle



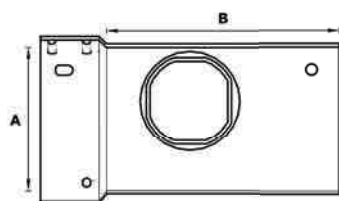
GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	24	75	4CVOAX135
114 (4½")	24	75	4.5CVOAX135
125 (5")	24	68	5CVOAX135

135° Internal Angle



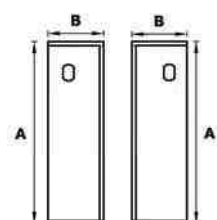
GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	70	121	4CVOI135
114 (4½")	75	126	4.5CVOI135
125 (5")	80	124	5CVOI135

Running Outlets



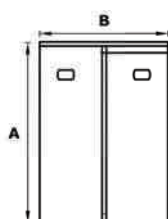
GUTTER SIZE A	OUTLET SIZE	B	PRODUCT CODE
100 (4")	Ø63	196	4CVOO2R
100 (4")	Ø76	196	4CVOO3R
114 (4½")	Ø63	196	4.5CVOO2R
114 (4½")	Ø76	196	4.5CVOO3R
125 (5")	Ø63	196	5CVOO2R
125 (5")	Ø76	196	5CVOO3R

Stopends Internal/External



GUTTER SIZE A	B	PRODUCT CODE INT	PRODUCT CODE EXT
100 (4")	47	4CVOSEI	4CVOSEX
114 (4½")	47	4.5CVOSEI	4.5CVOSEX
125 (5")	47	5CVOSEI	5CVOSEX

Union Connector



GUTTER SIZE A	B	PRODUCT CODE
100 (4")	96	4CVOUC
114 (4½")	96	4.5CVOUC
125 (5")	96	5CVOUC

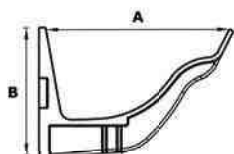


Need to match to a colour scheme?

We can help, if you know the BS/RAL number we will coat it your order to match. Ask us for a paint swatch by calling **0116 289 4400**.

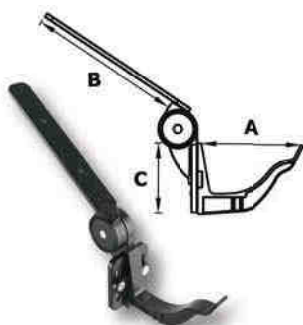
All dimensions shown in mm unless otherwise stated.

Fascia Bracket



GUTTER SIZE A	B	PRODUCT CODE
100 (4")	82	4CVOBF
114 (4½")	89	4.5CVOBF
125 (5")	96	5CVOBF

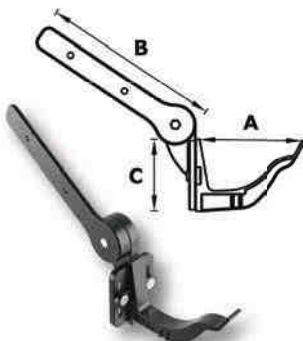
Top Fix Rafter Bracket



GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	195	82	4CVOBRT
114 (4½")	195	89	4.5CVOBRT
125 (5")	195	96	5CVOBRT

Brackets can be set to required roof pitch but manual adjustment can be made on side if required.

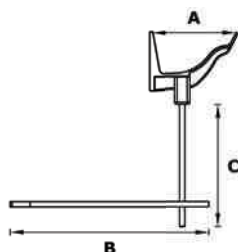
Side Fix Rafter Bracket



GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	225	82	4CVOBRS
114 (4½")	225	89	4.5CVOBRS
125 (5")	225	96	5CVOBRS

Brackets can be set to required roof pitch but manual adjustment can be made on side if required.

Rise and Fall Bracket

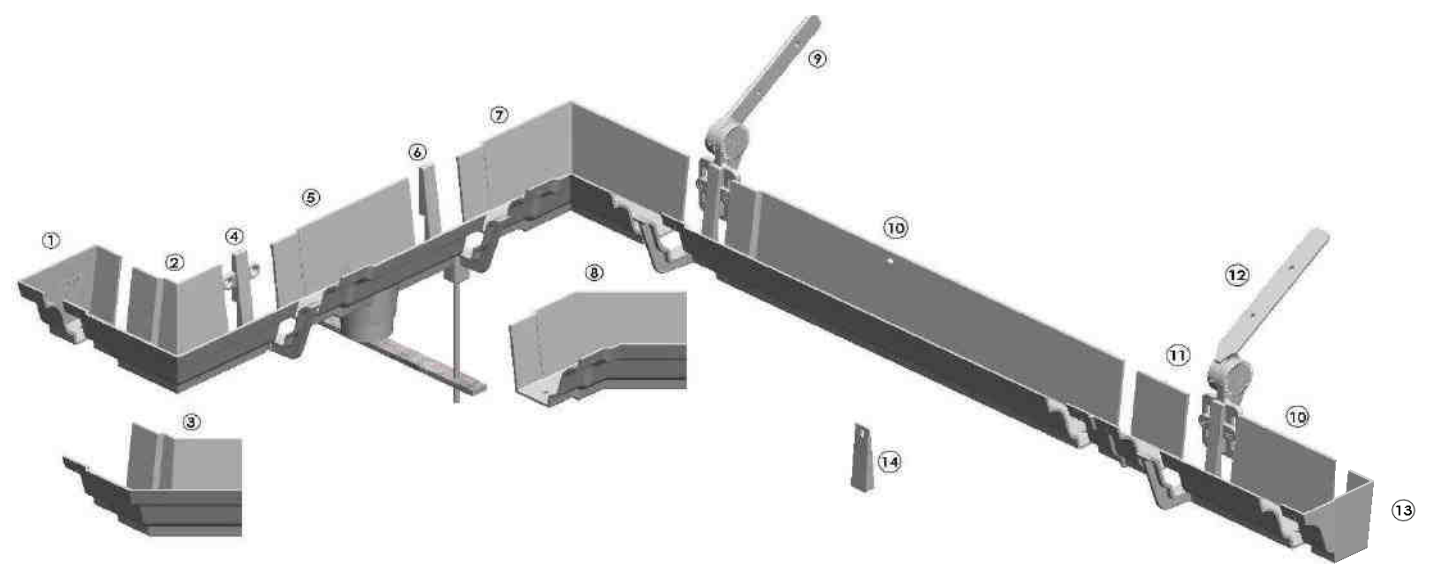


GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	330	190	4CVOBRF
114 (4½")	330	190	4.5CVOBRF
125 (5")	330	190	5CBVOBRF

All dimensions shown in mm unless otherwise stated.



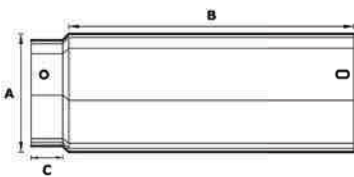
System Overview



Number	Item	Number	Item
1	External Stopend	8	135° Internal Angle
2	90° External Angle	9	Side Fix Rafter Bracket
3	135° External Angle	10	Gutter Length
4	Fascia Bracket	11	Union Connector
5	Running Outlet	12	Top Fix Rafter Bracket
6	Rise and Fall Bracket	13	Internal Stopend
7	90° Internal Angle	14	Direct Fix Wedge

100x75mm & 125x100mm ranges are left hand systems; 150x100mm range is a right hand system.

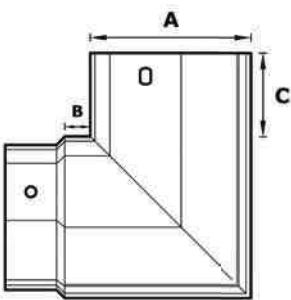
Gutter Lengths



GUTTER SIZE A	B	C	DEPTH	PRODUCT CODE
100 (4")	1830	40	75 (3")	43CMOG1.8
125 (5")	1830	40	100 (4")	54CMOG1.8
150 (6")	1830	40	100 (4")	64CMOG1.8

True and faceted radius gutters are available, for more information contact our Technical Team.

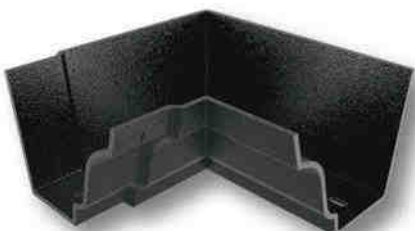
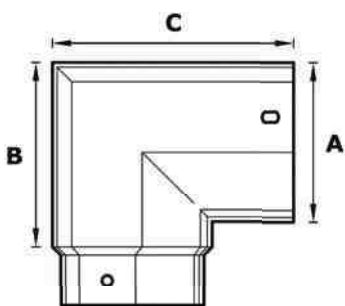
90° External Angle



GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	25	75	43CMOAX90
125 (5")	27	72	54CMOAX90
150 (6")	33	79	64CMOAX90

Non standard angles available on request.

90° Internal Angle

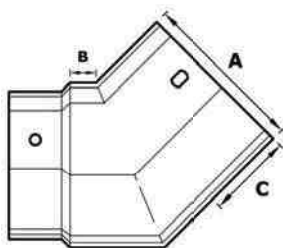


GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	131	173	43CMOAI90
125 (5")	163	206	54CMOAI90
150 (6")	190	234	64CMOAI90

Non standard angles available on request.

All dimensions shown in mm unless otherwise stated.

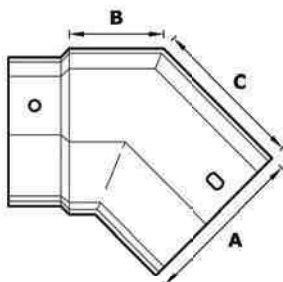
135° External Angle



GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	23	76	43CMOAX135
125 (5")	25	80	54CMOAX135
150 (6")	31	78	64CMOAX135

Non standard angles available on request.

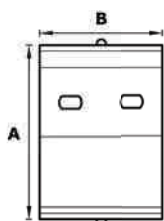
135° Internal Angle



GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	67	120	43CMOAI135
125 (5")	78	137	54CMOAI135
150 (6")	95	142	64CMOAI135

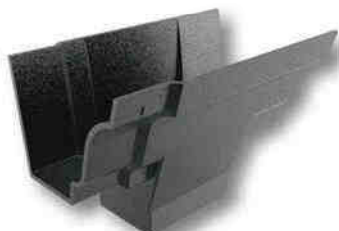
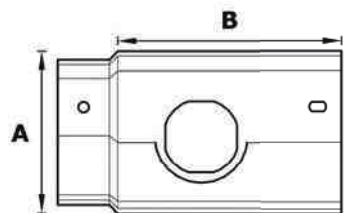
Non standard angles available on request.

Union Connector



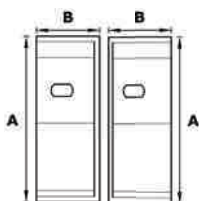
GUTTER SIZE A	B	PRODUCT CODE
100 (4")	91	43CMOUC
125 (5")	87	54CMOUC
150 (6")	92	64CMOUC

Running Outlet



GUTTER SIZE A	OUTLET SIZE	B	PRODUCT CODE
100 (4")	Ø63	198	43CMOO2R
100 (4")	Ø76	198	43CMOO3R
100 (4")	76 Sq	198	43CMOO3S
100 (4")	101 x76 Rect	198	43CMOO43
125 (5")	Ø63	199	54CMOO2R
125 (5")	Ø76	200	54CMOO3R
125 (5")	Ø101	200	54CMOO4R
125 (5")	76 Sq	200	54CMOO3S
125 (5")	101 x76 Rect	200	54CMOO43
150 (6")	Ø63	199	64CMOO2R
150 (6")	Ø76	199	64CMOO3R
150 (6")	Ø101	199	64CMOO4R
150 (6")	76 Sq	199	64CMOO3S
150 (6")	101 x76 Rect	199	64CMOO43
150 (6")	101 Sq	199	64CMOO4S

Stopends Internal/External



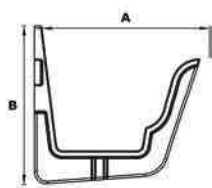
GUTTER SIZE A	B	PRODUCT CODE INT	PRODUCT CODE EXT
100 (4")	47	43CMOSEI	43CMOSEX
125 (5")	45	54CMOSEI	54CMOSEX
150 (6")	47	64CMOSEI	64CMOSEX

Direct Fix Wedge



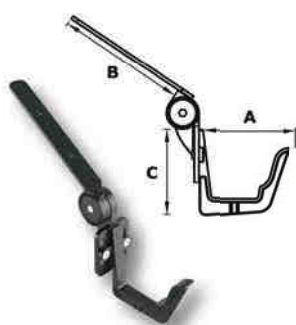
GUTTER SIZE A	A	PRODUCT CODE
100 (4")	65	43CMOBDF
125 (5")	90	CMOGWEDGE
150 (6")	90	CMOGWEDGE

Fascia Brackets



GUTTER SIZE A	B	PRODUCT CODE
100 (4")	104	43CMOBF
125 (5")	130	54CMOBF
150 (6")	131	64CMOBF

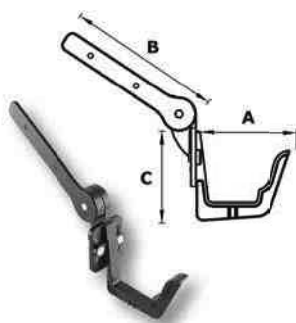
Top Fix Rafter Bracket



GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	195	104	43CMOBRT
125 (5")	195	130	54CMOBRT
150 (6")	195	131	64CMOBRT

Brackets can be set to required roof pitch but manual adjustment can be made on side if required.

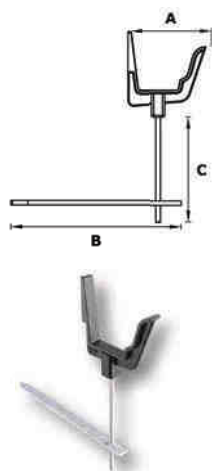
Side Fix Rafter Bracket



GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	225	104	43CMOBRS
125 (5")	225	130	54CMOBRS
150 (6")	225	131	64CMOBRS

Brackets can be set to required roof pitch but manual adjustment can be made on side if required.

Rise and Fall Bracket



GUTTER SIZE A	B	C	PRODUCT CODE
100 (4")	330	190	43CMOBRF
125 (5")	330	190	54CMOBRF
150 (6")	330	190	64CMOBRF

All dimensions shown in mm unless otherwise stated.

BEFORE YOU START

General Site Working

BS 8000 Workmanship on building sites, Parts 13 through to 16 with respect to above ground drainage and sanitaryware appliances are relevant in general terms.

Handling and Storage

Gutters, downpipes and fittings, particularly with polyester powder coat finish should be handled with care and preferably stored under cover on racks to prevent scratching. Whilst not known to pose any health hazard, it is recommended that protective gloves be worn when handling mill finish aluminium.

All lengths are supplied in a protective polythene wrapping with components similarly wrapped and stored in cardboard boxes. If painted product is to be stored outside, cover with a tarpaulin to protect against rainfall and direct sunlight. Failure to do this may allow water to get trapped inside the protective wrapper and could lead to permanent watermarks on the paint finish. Mill finish items should be stored under cover to avoid uneven oxidization prior to being fitted.

Cutting and Drilling

Gutter sections may be cut and drilled on site using standard metalworking tools, however the use of angle grinders is not recommended. Where gutters or fittings are powder coated, then cut edges should be de-burred and repainted with touch-up paint (available from ARP).

Setting Out

Gutters may be installed level or to a fall of 1:600. If level, make sure that the gutter is set at the correct height at the centre point and use a string line or level make a series of marks to indicate the correct height along the run length. When trying to achieve a fall the lowest point needs to be the outlet, so mark this position first, followed by the end of the run and then use a string line to mark regular points of reference.

Materials Checklist

- Spirit level/straight edge ☐
- Suitable screwdriver/attachment ☐
- Sealant caulking gun ☐
- Pencil or chalk ☐
- String or laser line ☐
- Hacksaw/electric jigsaw/chopsaw ☐
- Tape measure ☐
- Small wrench ☐

Jointing

Any use of sealant must not be carried out in wet weather or in temperatures below 5°C or above 50°C. All Joint surfaces must be perfectly clean and dry. Only a low modulus sealant must be used to prevent early failure. Ensure that the gutter joint sockets/spigots are correctly aligned with each other to ensure free thermal movement (3-4mm) within the gutter joint.

Fixing

It is important that all fixings are suitable for both the substrate and the load. They must therefore be of the appropriate size and of a compatible material to ensure no electrolytic corrosion occurs. ARP recommends that stainless steel (preferably austenitic) screws must be used to fix gutters, whether direct, fascia or rafter bracket fixed.



Gutter Position

The current recommendations from the Metal Gutter Manufacturers Association (MGMA) is to position gutters as Fig 1.

Fig 1. As the line of the roof passes the gutter, a good proportion of debris sliding down the roof, such as leaves or snow will pass by without being collected. This position will also reduce potential snow build up back up the roof, which can put additional strain on brackets and fascia board adhesion.

There are certain conditions where a Fig 1 installation might allow water to over shoot the gutter in high wind conditions however this is deemed to be better than the above stated issues.

Fig 2. As the line of the roof sits inside the gutter profile, this encourages

debris, such as leaves or snow, to be collected and could cause an increase in debris clearing regularity and issues with bracket and fascia board adhesion strength in heavy snow conditions.



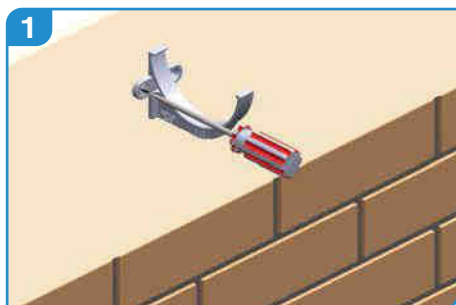
Installation Guide for HALF ROUND, DEEPFLOW & VICTORIAN OGEE SYSTEMS

— LEGACY —

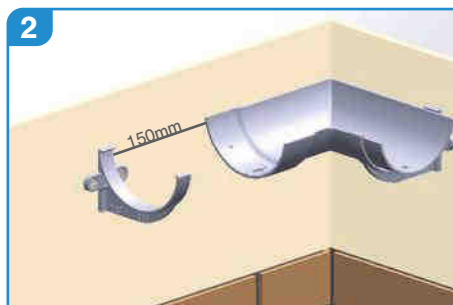
GUTTER FIXING

We advise that you ensure the fixing background (e.g. fascia board) is securely fixed, level and able to support the weight of the gutter at full capacity and that the roof overhang is correct (see gutter position).

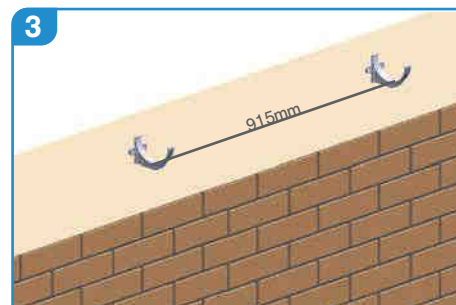
Legacy cast aluminium gutters are fitted using fascia brackets. Buildings without fascias may need a different type of bracketry. ARP offers rise & fall brackets and rafter brackets as options, however due of the variety of installations these do not suit BS/EN levels regarding loading, so advice should be sought from ARP on parameters of use.



1 Identify the highest and lowest point of the gutter run and install brackets on each end ensuring a minimum fall of 1:600.



2 Image 2 shows the ideal bracket positioning for the angle and bracket to take the gutter length. (Max 150 mm from joint).

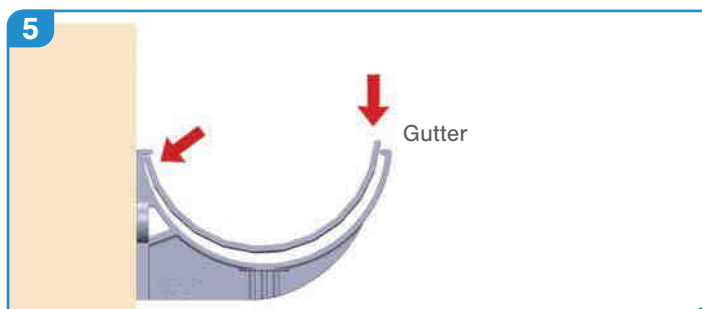


3 We recommend fixing brackets every 915mm and using an additional bracket for each outlet or angle.

Ideally using a string line or laser level between the two brackets, set out intermediate brackets at maximum centres of 915mm.



4 With the use of a plumb or laser line, position outlets over gullies and support with at least one bracket. Also include a bracket per angle (internal or external).

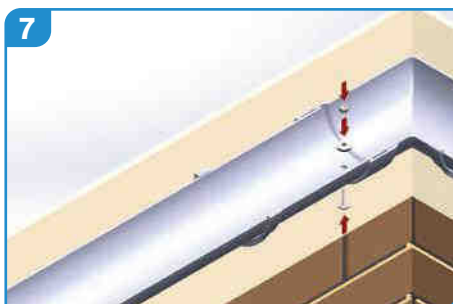


5 When fitting outlets and angles position the rear face of the gutter underneath the roof finish. Locate the gutter into the fascia bracket and then clip the front edge down into position.

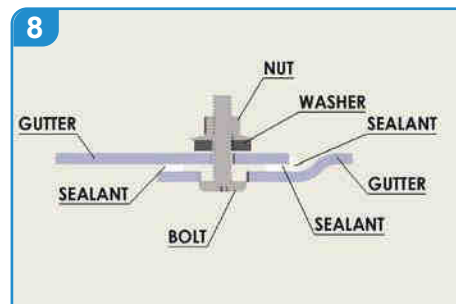
After fitting outlets and angles, proceed with fitting the gutter lengths using the same method.



6 Ensure that all fixing surfaces are clean and dry. Apply 2 x 6mm beads of low modulus sealant into the socket end of gutter, place gutter length into sealant/socket.



7 Push bolt through the sole of the gutter socket ensuring that the slot is filled with sealant before applying nut and washer, gently tighten. Do not overtighten as this may force the sealant out of the joint.



8 Clean off any excess sealant to either side of the joint. Apply additional sealant as required to the internal face only to create a smooth bead.

N.B. Union connectors are available to allow the use of cut lengths.

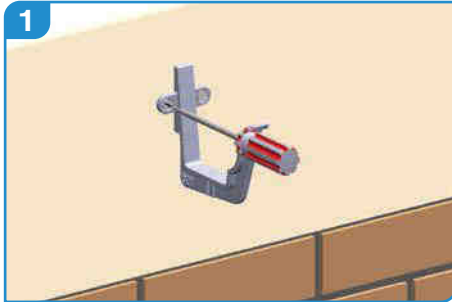


Any cut lengths should be de-burred and touched up with touch-up paint supplied prior to installation. For more information or further assistance, please contact us.

GUTTER FIXING

We advise that you ensure the fixing background (e.g. fascia board) is securely fixed, level and able to support the weight of the gutter at full capacity and that the roof overhang is correct (see gutter position).

Legacy cast aluminium gutters are fitted using fascia brackets. Buildings without fascias may need a different type of bracketry. ARP offers rise & fall brackets and rafter brackets as options, however due of the variety of installations these do not suit BS/EN levels regarding loading, so advice should be sought from ARP on parameters of use.



Identify the highest and lowest point of the gutter run and install brackets on each end ensuring a minimum fall of 1:600.

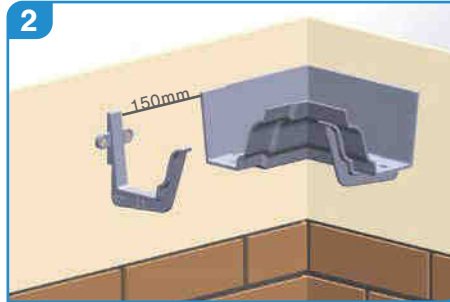
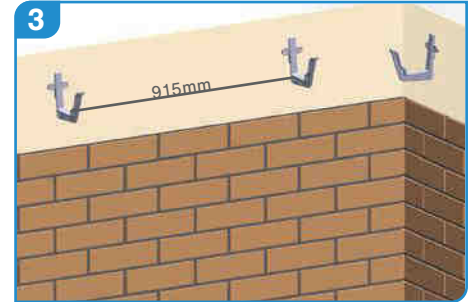


Image 2 shows the ideal bracket positioning for the angle and bracket to take the gutter length. (Max 150 mm from joint).

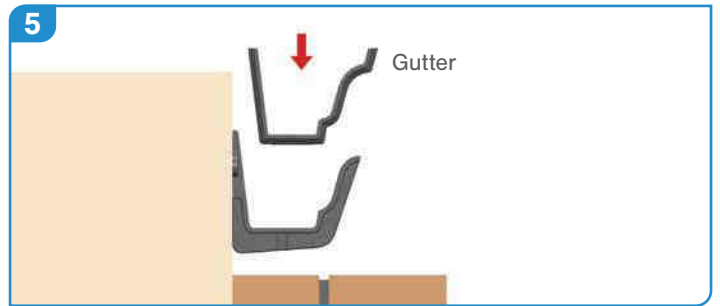


We recommend fixing brackets every 915mm and using an additional bracket for each outlet or angle.

Ideally using a string line or laser level between the two brackets, set out intermediate brackets at maximum centres of 915mm.



With the use of a plumb or laser line, position outlets over gullies and support with at least one bracket. Also include a bracket per angle (internal or external).



When fitting outlets and angles position the rear face of the gutter underneath the roof finish. Locate the gutter into the fascia bracket and then clip the front edge down into position.

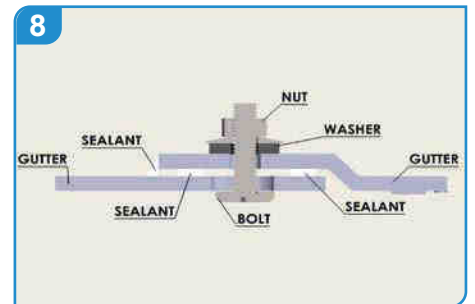
After fitting outlets and angles, proceed with fitting the gutter lengths using the same method.



Ensure that all fixing surfaces are clean and dry. Apply 2 x 6mm beads of low modulus sealant into the plain end of the gutter, place the spigot end of the gutter length into sealant.



Push bolt through the sole of the plain end of the gutter from the underside and position spigot end of gutter directly over joint. Ensure that the slot is filled with sealant before applying nut and washer, gently tighten. **Do not overtighten as this may force the sealant out of the joint.**



Clean off any excess sealant to either side of the joint. Apply additional sealant as required to the internal face only to create a smooth bead.

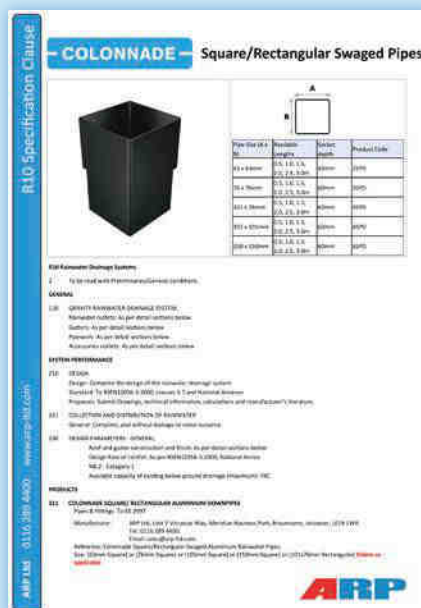
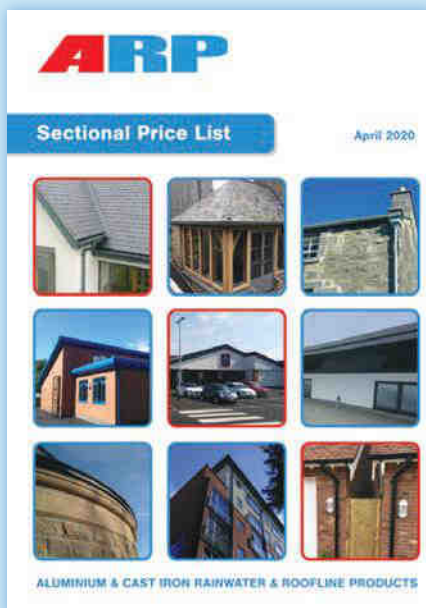
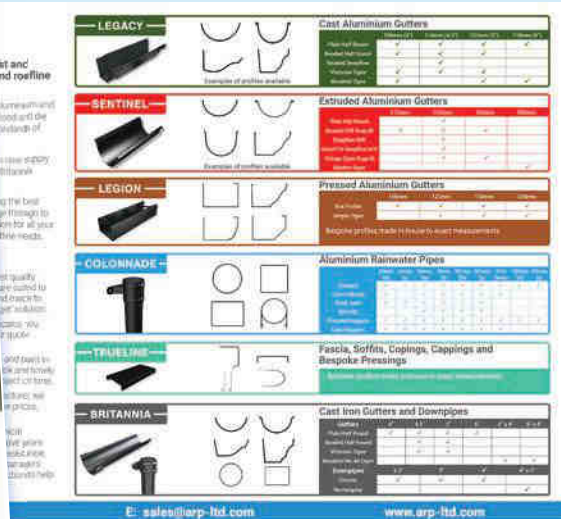
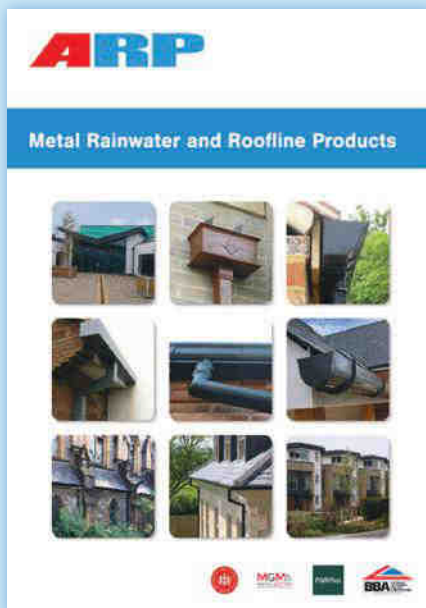
N.B. Union connectors are available to allow the use of cut lengths.



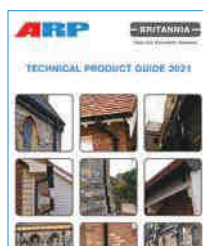
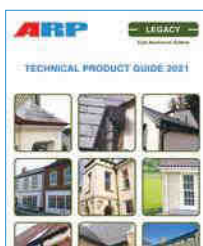
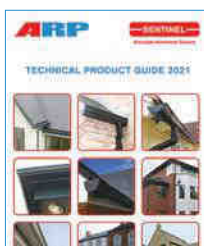
Any cut lengths should be de-burred and touched up with touch-up paint supplied prior to installation. For more information or further assistance, please contact us.

ACCESS FURTHER DOCUMENTS AND ARP'S LITERATURE

Visit arp-ltd.com/services/download-centre



TECHNICAL PRODUCT GUIDES



SENTINEL

LEGACY

BRITANNIA

LEGION

COLONNADE