

Uniclass L73141:P4	EPIC
CI/SfB (52.5) lh	

03/08



CAST IRON



Specify us using NBS Plus at www.nbsplus.co.uk

As well as in this comprehensive technical guide, our range of products can be specified using the NBS plus website using 'drag and drop' functionality.

The benefits to specifiers are listed below:

You can be sure that what you are specifying is accurate and suitable for the purpose intended.

Accurate specification also reduces the likelihood of the chosen products being substituted for other products.

You can save time without compromising quality, as in many NBS Plus entries all the information required to specify is available within the page, in NBS format.

Overview our products at www.ribaproductselector.com, or in the RIBA product selector.

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WELCOME

To Rainclear Systems' technical product guide, we are one of the UK's leading stockists and distributors of specialist rainwater systems.

We have tried to ensure that this guide is easy to use whilst providing you with all the technical information that you may need for traditional cast iron rainwater systems.

This guide concentrates on cast iron, which has for many years been the preferred choice for listed buildings, churches, barn conversions, and for use in geographical locations that dictate the need for an authentic, traditional look that a cast iron rainwater system can offer.

Aesthetically pleasing, a well maintained cast iron rainwater system will offer the end user a traditional, hard wearing, fully functional rainwater system for many years to come.

We hope the information within this guide provides all that you require. If, however you need further details please do not hesitate to contact our technical sales department.





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CAST IRON RAINWATER PRODUCT OVERVIEW

All our cast iron rainwater products are sand cast using traditional methods, giving an authentic, textured appearance and allowing fittings such as sockets and collars to be cast in one piece.

All gutters and downpipes are supplied in 1830mm lengths, with pre-drilled holes that allow nut, bolt and silicone fixing. The half round gutter profile can also be fixed with a hydrostrip™ rubber gutter sealing pack. This comprises of 20no rubber strips and zinc plated nuts and bolts.

Systems can be supplied either transit primed or pre-finished for immediate installation in a black semi-gloss alkyd paint. A full on-site painting method statement for the primed systems is available upon request.

The profiles shown within this guide are half round, half round beaded, victorian ogee and moulded ogee. Bespoke profiles are available to order as is a gutter profile matching facility for non-standard profiles. Cast iron radius gutters and cut and mitred radius gutters compliment the full range.

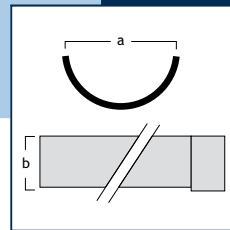
A cast Iron rainwater system offers the following benefits:

- Extremely strong, very durable and vandal resistant
- Long life with regular maintenance
- Quiet in operation
- Standard and bespoke profile availability
- Primed or pre-finished product availability
- Traditional, historical and aesthetic appeal



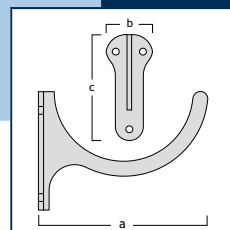
SECTION 1 CAST IRON HALF ROUND GUTTERS & FITTINGS

HALF ROUND GUTTER



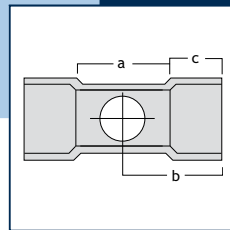
Code	Diameter(A)	Depth(B)	Length	Weight(kg)
CI4HRG	102	51	1830	8.0
CI45HRG	114	57	1830	10.5
CI5HRG	127	63	1830	11.5
CI6HRG	150	75	1830	13.5

HALF ROUND FASCIA BRACKET



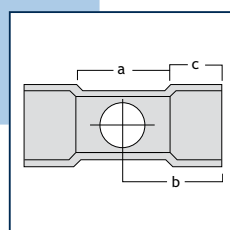
Code	Diameter	A	B	C
CI4HRFB	102	131	59	115
CI45HRFB	114	144	59	115
CI5HRFB	127	156	59	115
CI6HRFB	150	181	59	115

HALF ROUND RUNNING OUTLETS



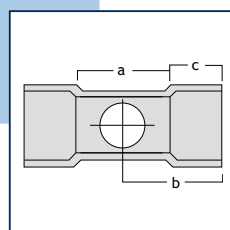
65MM ROUND OUTLET

Code	Diameter	A	B	C
CI4HRRO1	102	156	121	44
CI45HRRO1	114	156	121	44
CI5HRRO1	127	156	121	44



75MM ROUND OUTLET

Code	Diameter	A	B	C
CI4HRRO2	102	156	121	44
CI45HRRO2	114	156	121	44
CI5HRRO2	127	156	121	44
CI6HRRO1	150	156	121	44

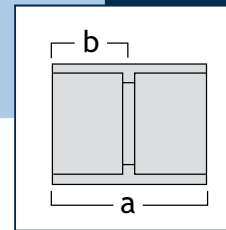


100MM ROUND OUTLET

Code	Diameter	A	B	C
CI6HRRO2	150	156	121	44

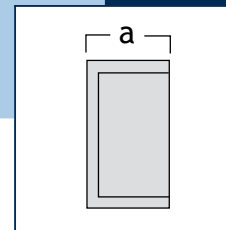
A full range of galvanised steel rise & fall, side fix rafter, top fix rafter and bespoke bracketry are available, please contact Rainclear technical sales for further information.

HALF ROUND UNION CLIP



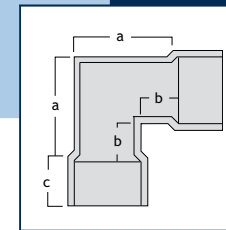
Code	Diameter	A	B
CI4HRU	102	88	44
CI45HRU	114	88	44
CI5HRU	127	88	44
CI6HRU	150	88	44

HALF ROUND STOP END

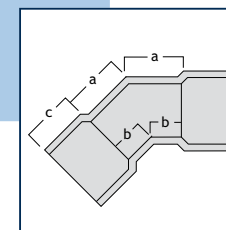


Code	Diameter	A	INT/EXT
CI4HRE1	102	51	EXT
CI45HRE1	114	51	EXT
CI5HRE1	127	51	EXT
CI6HRE1	150	51	EXT
CI4HRE2	102	44	INT
CI45HRE2	114	44	INT
CI5HRE2	127	44	INT
CI6HRE2	150	44	INT

HALF ROUND 90 DEGREE ANGLE



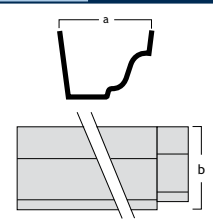
HALF ROUND 135 DEGREE ANGLE



Code	Diameter	A	B	C
CI4HR135A	102	115	79	44
CI45HR135A	114	122	79	44
CI5HR135A	127	130	79	44
CI6HR135A	150	143	79	44

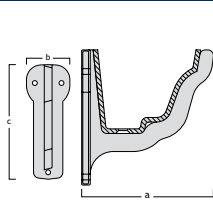
A range of 120° angles are available, coupled with a full range of non-standard angles.

MOULDED GUTTER



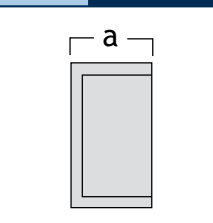
Code	Width(A)	Depth(B)	Length	Weight(kg)
CI43MGT	102	76	1830	11.0
CI54MGT	127	102	1830	18.0
CI64MGT	152	102	1830	19.0

MOULDED FASCIA BRACKET

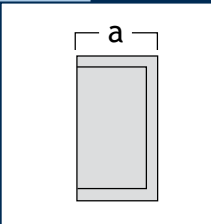


Code	Width	A	B	C
CI43MGFB	102	115	44	118
CI54MGFB	127	163	44	118
CI64MGFB	152	180	44	118

MOULDED LEFT HAND STOP END

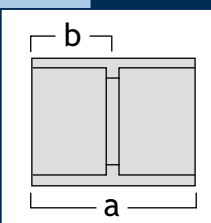


Code	Width	A	INT/EXT
CI43MGE3	102	51	INT
CI54MGE3	127	51	INT
CI64MGE3	152	51	INT



Code	Width	A	INT/EXT
CI43MGE1	102	54	EXT
CI54MGE1	127	54	EXT
CI64MGE1	152	54	EXT
CI43MGE2	102	51	INT
CI54MGE2	127	51	INT
CI64MGE2	152	51	INT

MOULDED UNION CLIP

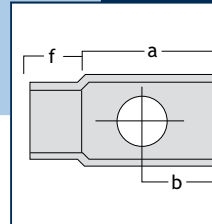


Code	Width	A	B
CI43MGU	102	88	44
CI54MGU	127	88	44
CI64MGU	152	88	44

A full range of galvanised steel rise & fall, side fix rafter, top fix rafter and bespoke bracketry are available, please contact Rainclear technical sales for further information.

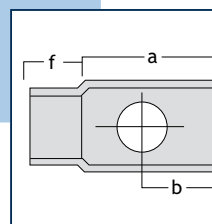
MOULDED RUNNING OUTLETS

65MM ROUND OUTLET



Code	Width	A	B	F
CI43MGRO1	102	251	124	50
CI54MGRO1	127	251	124	50

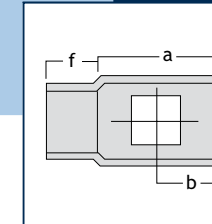
75MM ROUND OUTLET



Code	Width	A	B	F
CI54MGRO3	127	251	124	50
CI64MGRO3	152	251	124	50

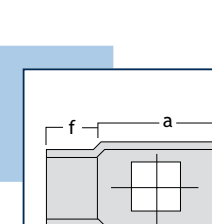
MOULDED RUNNING OUTLETS

75 X 75MM SQUARE OUTLET



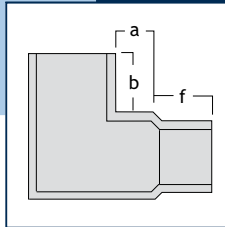
Code	Width	A	B	F
CI43MGSO1	102	251	124	50
CI54MGSO1	127	251	124	50
CI64MGSO1	152	251	124	50

100 X 100MM SQUARE OUTLET



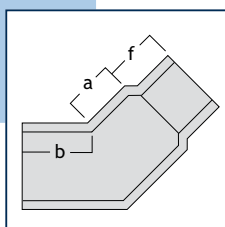
Code	Width	A	B	F
CI64MGSO3	152	251	124	50

MOULDED EXTERNAL ANGLES



MOULDED 90 DEGREE

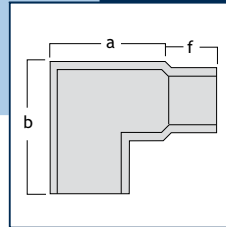
Code	Width	A	B	F
CI43MG90E	102	28	79	50
CI54MG90E	127	28	79	50
CI64MG90E	152	25	70	50



MOULDED 135 DEGREE

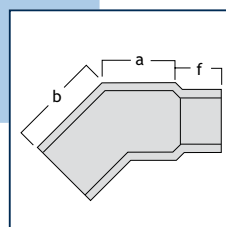
Code	Width	A	B	F
CI43MG135E	102	28	79	50
CI54MG135E	127	35	79	50
CI64MG135E	152	41	89	50

MOULDED INTERNAL ANGLES



MOULDED 90 DEGREE

Code	Width	A	B	F
CI43MG90I	102	137	187	50
CI54MG90I	127	168	216	50
CI64MG90I	152	181	229	50



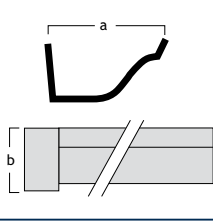
MOULDED 135 DEGREE

Code	Width	A	B	F
CI43MG135I	102	73	124	50
CI54MG135I	127	89	137	50
CI64MG135I	152	98	140	50



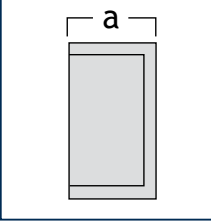
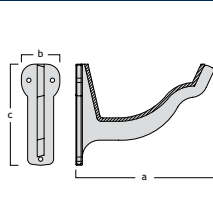
RENOVATION

OGEE GUTTER

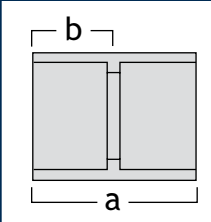


Code	Width(A)	Depth(B)	Length	Weight(kg)
CI45VG	114	54	1830	11.5
CI5VG	127	63	1830	12.5

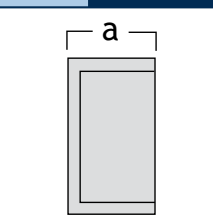
OGEE RIGHT HAND STOP END

OGEE UNION CLIP



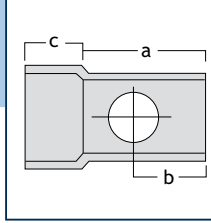
Code	Width	A	B
CI45VU	114	88	44
CI5VU	127	88	44



A full range of galvanised steel rise & fall, side fix rafter, top fix rafter and bespoke bracketry are available, please contact Rainclear technical sales for further information.

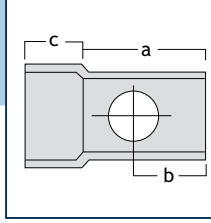


65MM ROUND OUTLET



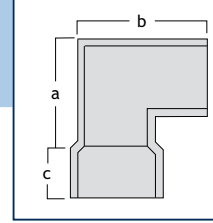
Code	Width	A	B	C
CI45VRO1	114	200	121	44
CI5VRO1	127	200	121	44

75MM ROUND OUTLET



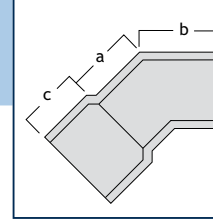
OGEE INTERNAL ANGLES

OGEE 90 DEGREE



Code	Width	A	B	C
CI45V90I	114	156	206	44
CI5V90I	127	159	216	44

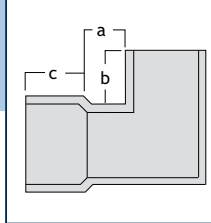
OGEE 135 DEGREE



Code	Width	A	B	F
CI45V135I	114	86	130	44
CI5V135I	127	86	130	44

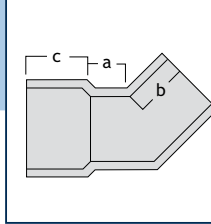
OGEE EXTERNAL ANGLES

OGEE 90 DEGREE

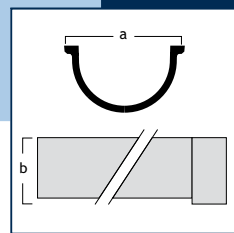


Code	Width	A	B	C
CI45V90E	114	28	76	44
CI5V90E	127	28	76	44

OGEE 135 DEGREE

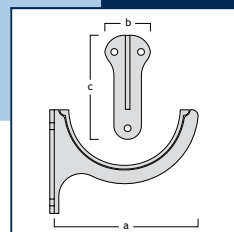



BEADED GUTTER



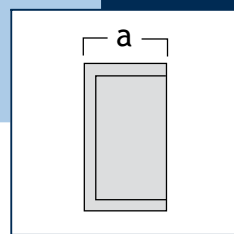
Code	Diameter(A)	Depth(B)	Length	Weight(kg)
CI45BG	114	57	1830	11.0
CI5BG	127	63	1830	12.5

BEADED FASCIA BRACKET



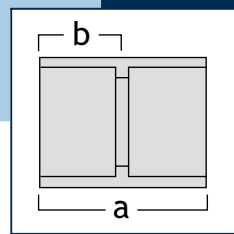
Code	Diameter	A	B	C
CI45BGFB	114	154	50	114
CI5BGFB	127	164	50	114

BEADED STOP END



Code	Diameter	A	INT/EXT
CI45BGE1	114	51	EXT
CI5BGE1	127	51	EXT
CI45BGE2	114	44	INT
CI5BGE2	127	44	INT

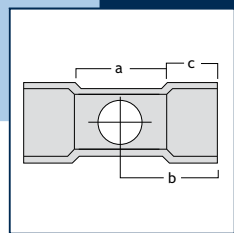
BEADED UNION CLIP



Code	Diameter	A	B
CI45BGU	114	88	44
CI5BGU	127	88	44

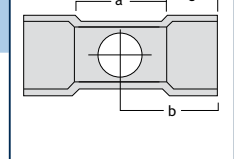
BEADED RUNNING OUTLETS

65MM ROUND OUTLET



Code	Diameter	A	B	C
CI45BGRO1	114	156	121	44
CI5BGRO1	127	156	121	44

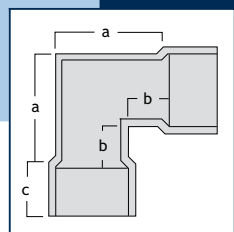
75MM ROUND OUTLET



Code	Diameter	A	B	C
CI45BGRO2	114	156	121	44
CI5BGRO2	127	156	121	44

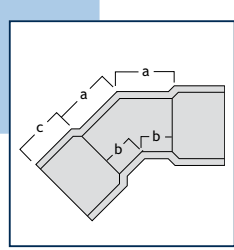
BEADED GUTTER ANGLES

BEADED 90 DEGREE ANGLE



Code	Diameter	A	B	C
CI45BG90A	114	206	70	44
CI5BG90A	127	216	70	44

BEADED 135 DEGREE ANGLE



Code	Diameter	A	B	C
CI45BG135A	114	130	76	44
CI5BG135A	127	140	79	44

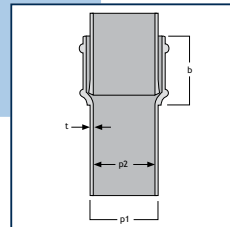
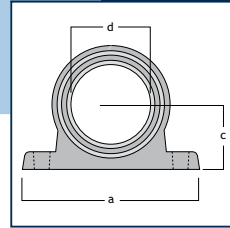


DURABILITY



ROUND DOWNPIPE

SOCKETS (NOMINAL)



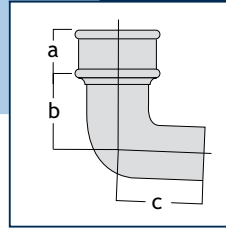
PIPE (NOMINAL)

Code	B	P1	P2	T	Length
CI25REDP	63.5	63.5	57	3	1830
CI3REDP	63.5	82.5	70	3	1830
CI4REDP	63.5	108	95	3	1830

A full range of bracketry is available for all pipe sizes, contact Rainclear technical sales for further information.

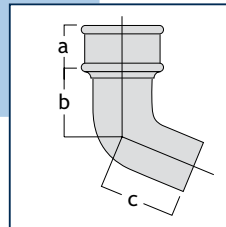
ROUND DOWNPIPE BENDS

90 DEGREE ROUND BEND



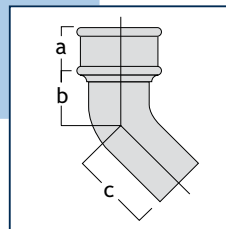
Code	Diameter	A	B	C
CI25B90	65	63	76	140
CI3B90	75	63	83	146
CI4B90	100	63	95	159

112.5 DEGREE ROUND BEND



Code	Diameter	A	B	C
CI25B112	65	63	57	121
CI3B112	75	63	60	124
CI4B112	100	63	70	133

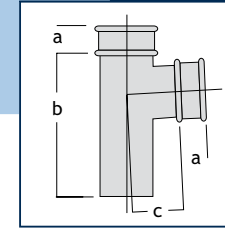
135 DEGREE ROUND BEND



All bends shown above are non-eared, if bends with ears are required, add one of the following suffixes to the product code according to its intended use:

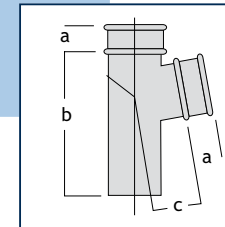
- Front Eared Bend = /FE
- Back Eared Bend = /BE
- Left Facing Eared Bend = /LE
- Right Facing Eared Bend = /RE

92.5 DEGREE BRANCH



Code	Diameter	A	B	C
CI25J90	65	63	210	79
CI3J90	75	63	229	79
CI4J90	100	63	267	98

135 DEGREE BRANCH

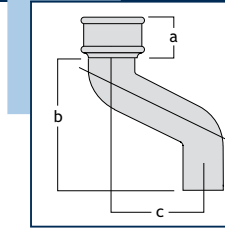


Code	Diameter	A	B	C
CI25J112	65	63	210	79
CI3J112	75	63	229	89
CI4J112	100	63	267	108

If eared branches are required please contact Rainclear technical sales for further information.

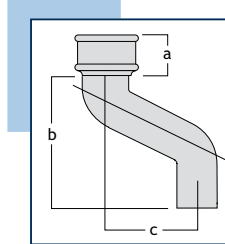
ROUND DOWNPIPE OFFSETS

65MM ROUND OFFSET



Code	Diameter	A	B	C
CI25OS75	65	63	190	76
CI25OS115	65	63	210	114
CI25OS150	65	63	225	152
CI25OS225	65	63	257	229
CI25OS305	65	63	289	306
CI25OS380	65	63	321	381
CI25OS455	65	63	352	457

75MM ROUND OFFSET



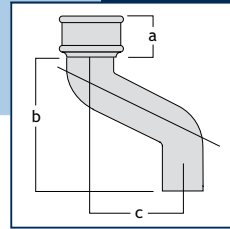
Code	Diameter	A	B	C
CI3OS75	75	63	200	76
CI3OS115	75	63	216	114
CI3OS150	75	63	232	152
CI3OS225	75	63	264	229
CI3OS305	75	63	295	306
CI3OS380	75	63	327	381
CI3OS455	75	63	359	457

Offsets can also be supplied handed for use as side offsets, if side offsets which have ears are required, add one of the following suffixes to the product code according to its intended use.

- Left Facing Offset = /LE
- Right Facing Offset = /RE

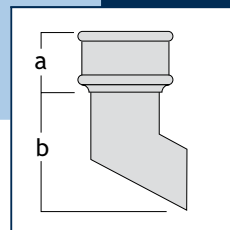
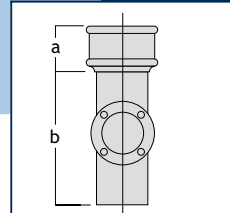
Should offsets with projections different to the ones shown above be required please contact Rainclear technical sales for further information.

ROUND DOWNPIPE OFFSETS



100MM ROUND OFFSET

ROUND ACCESS PIPE

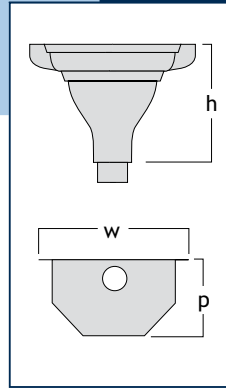


Code	Diameter	A	B
CI25SH	65	63	102
CI3SH	75	63	114
CI4SH	100	63	143

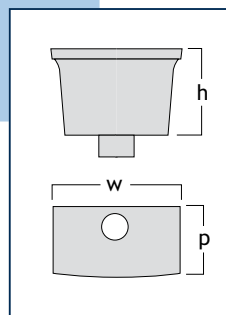
Downpipe shoes can be used as side facing shoes, if side shoes with ears are required, add one of the following suffixes to the product code according to its intended use.

Left Facing Shoe = /LE
Right Facing Shoe = /RE

RAINWATER HEADS



FLUTED ROUND OUTLET



RECTANGULAR 75MM ROUND OUTLET

Code	Outlet Diameter	W	P	H
CI3HO2	75	254	178	178
CI3HO3	75	305	254	203

RECTANGULAR 100MM ROUND OUTLET

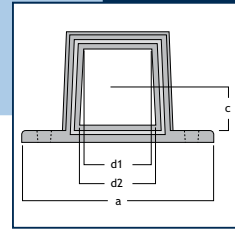
Code	Outlet Diameter	W	P	H
CI4HO2	100	254	178	178
CI4HO3	100	305	254	203

A full range of rainwater heads are available to order.



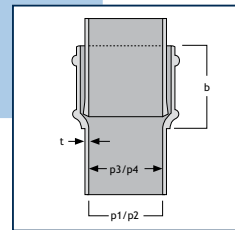
RESTORATION

SQUARE DOWNPIPES



SOCKET (NOMINAL)

Code	Dimensions	A	C	D1	D2
CI33EDP	75 X 75	180	50	86	89
CI43EDP	100 X 75	205	50	111	114
CI44EDP	100 X 100	205	65	111	114
CI54EDP	125 X 100	230	65	136.5	140
CI64EDP	150 X 100	250	65	162	165

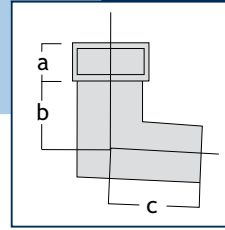


PIPE (NOMINAL)

Code	Dimensions	P1	B	P2	P3	P4	T	Length
CI33EDP	75 X 75	82.5	83	86	70	73	6.5	1830
CI43EDP	100 X 75	108	83	111	95.5	98.5	6.5	1830
CI44EDP	100 X 100	108	108	111	95.5	98.5	6.5	1830
CI54EDP	125 X 100	133.5	108	136.5	121	124	6.5	1830
CI64EDP	150 X 100	159	108	162	146	149	6.5	1830

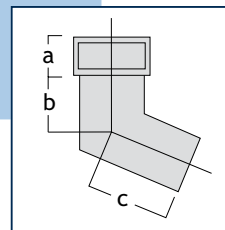
Dimensions of rectangular pipes are given with the width as viewed from the front first, followed by the depth, front to back; eg 150mm wide x 100mm depth.

SQUARE/RECTANGULAR FRONT/BACK BENDS



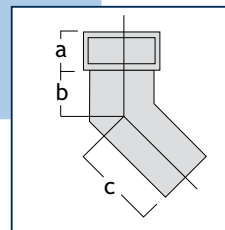
92.5 DEGREE BEND

Code	Dimensions	A	B	C
CI33B92	75 X 75	82	83	165
CI43B92	100 X 75	82	83	165
CI44B92	100 X 100	82	95	178
CI54B92	125 X 100	82	95	178
CI64B92	150 X 100	82	95	178



112.5 DEGREE BEND

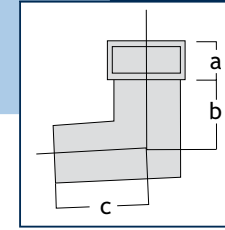
Code	Dimensions	A	B	C
CI33B112	75 X 75	82	60	143
CI43B112	100 X 75	82	60	143
CI44B112	100 X 100	82	70	152
CI54B112	125 X 100	82	70	152
CI64B112	150 X 100	82	70	152



135 DEGREE BEND

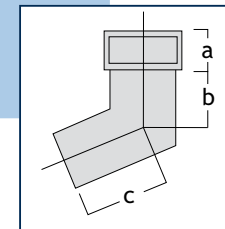
Code	Dimensions	A	B	C
CI33B135	75 X 75	82	48	130
CI43B135	100 X 75	82	48	130
CI44B135	100 X 100	82	51	133
CI54B135	125 X 100	82	51	133
CI64B135	150 X 100	82	51	133

SQUARE/RECTANGULAR LEFT/RIGHT BENDS



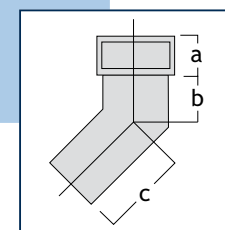
92.5 DEGREE BEND

Code	Dimensions	A	B	C
CI33B90	75 X 75	82	108	190
CI43B90	100 X 75	82	121	203
CI44B90	100 X 100	82	121	203
CI54B90	125 X 100	82	133	216
CI64B90	150 X 100	82	146	229



112.5 DEGREE BEND

Code	Dimensions	A	B	C
CI33B112	75 X 75	82	86	168
CI43B112	100 X 75	82	95	178
CI44B112	100 X 100	82	95	178
CI54B112	125 X 100	82	105	187
CI64B112	150 X 100	82	114	197



135 DEGREE BEND

Code	Dimensions	A	B	C
CI33B135	75 X 75	82	73	156
CI43B135	100 X 75	82	76	158
CI44B135	100 X 100	82	76	158
CI54B135	125 X 100	82	83	165
CI64B135	150 X 100	82	89	171

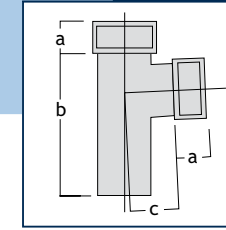
If eared bends are required please contact Rainclear technical sales for further information.

When ordering left or right facing bends please add one of the following suffixes to the product code according to its intended use.

Right Facing Bend = /R

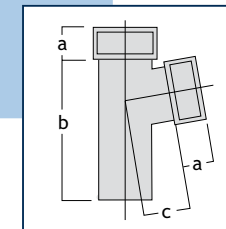
Left Facing Bend = /L

SQUARE/RECTANGULAR LEFT/RIGHT BRANCHES



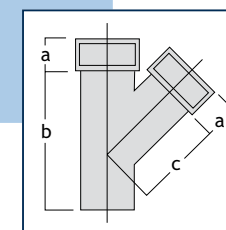
92.5 DEGREE BRANCH

Code	Dimensions	A	B	C
CI33J90	75 X 75	82	273	83
CI43J90	100 X 75	82	298	98
CI44J90	100 X 100	82	298	98
CI54J90	125 X 100	82	324	111
CI64J90	150 X 100	82	349	124



112.5 DEGREE BRANCH

Code	Dimensions	A	B	C
CI33J112	75 X 75	82	273	102
CI43J112	100 X 75	82	298	121
CI44J112	100 X 100	82	298	121
CI54J112	125 X 100	82	324	146
CI64J112	150 X 100	82	349	159



135 DEGREE BRANCH

Code	Dimensions	A	B	C
CI33J135	75 X 75	82	340	146
CI43J135	100 X 75	82	375	175
CI44J135	100 X 100	82	375	175
CI54J135	125 X 100	82	416	203
CI64J135	150 X 100	82	451	235

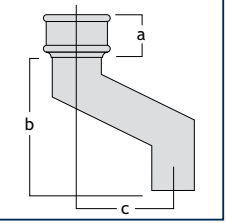
If eared branches are required please contact Rainclear technical sales for further information.

When ordering branches please add one of the following suffixes to the product code according to its intended use.

Left Facing Branch = /L

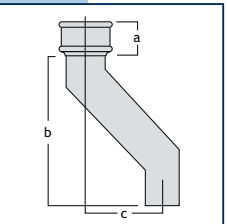
Right Facing Branch = /R

75 X 75MM SQUARE PIPE OFFSETS



112.5 DEGREE PIPE OFFSET

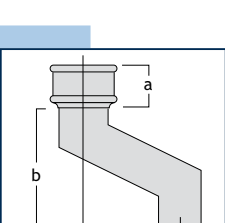
Code	Dimensions	A	B	C
CI33OS75	75 X 75	82	286	76
CI33OS115	75 X 75	82	302	114
CI33OS150	75 X 75	82	317	152
CI33OS225	75 X 75	82	349	228
CI33OS305	75 X 75	82	381	305
CI33OS380	75 X 75	82	413	381
CI33OS455	75 X 75	82	444	457



135 DEGREE PLINTH OFFSET

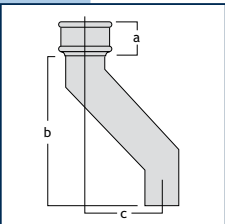
Code	Dimensions	A	B	C
CI33PO65	75 X 75	82	317	63
CI33PO75	75 X 75	82	330	76
CI33PO115	75 X 75	82	368	114
CI33PO150	75 X 75	82	406	152

100 X 75MM RECTANGULAR PIPE OFFSETS



112.5 DEGREE PIPE OFFSET

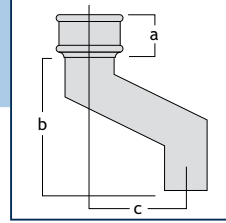
Code	Dimensions	A	B	C
CI43OS75	100 X 75	82	302	76
CI43OS115	100 X 75	82	317	114
CI43OS150	100 X 75	82	333	152
CI43OS225	100 X 75	82	365	228
CI43OS305	100 X 75	82	397	305
CI43OS380	100 X 75	82	429	381
CI43OS455	100 X 75	82	460	457



135 DEGREE PLINTH OFFSET

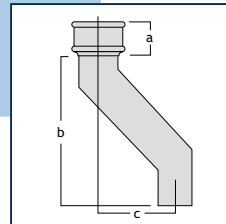
Code	Dimensions	A	B	C
CI43PO65	100 X 75	82	317	63
CI43PO75	100 X 75	82	330	76
CI43PO115	100 X 75	82	368	114
CI43PO150	100 X 75	82	406	152

100 X 100MM SQUARE PIPE OFFSETS



112.5 DEGREE OFFSET

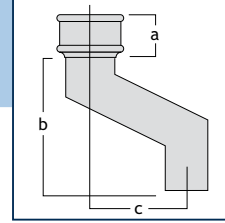
Code	Dimensions	A	B	C
CI44OS75	100 X 100	82	302	76
CI44OS115	100 X 100	82	317	114
CI44OS150	100 X 100	82	333	152
CI44OS225	100 X 100	82	365	228
CI44OS305	100 X 100	82	397	305
CI44OS380	100 X 100	82	429	381
CI44OS455	100 X 100	82	460	457



135 DEGREE PLINTH OFFSET

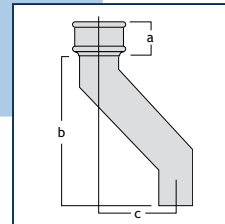
Code	Dimensions	A	B	C
CI44PO65	100 X 100	82	324	63
CI44PO75	100 X 100	82	340	76
CI44PO115	100 X 100	82	375	114
CI44PO150	100 X 100	82	416	152

125 X 100MM RECTANGULAR PIPE OFFSETS



112.5 DEGREE OFFSET

Code	Dimensions	A	B	C
CI54OS75	125 X 100	82	317	76
CI54OS115	125 X 100	82	333	114
CI54OS150	125 X 100	82	349	152
CI54OS225	125 X 100	82	381	228
CI54OS305	125 X 100	82	413	305
CI54OS380	125 X 100	82	444	381
CI54OS455	125 X 100	82	476	457



135 DEGREE PLINTH OFFSET

Code	Dimensions	A	B	C
CI54PO65	125 X 100	82	324	63
CI54PO75	125 X 100	82	340	76
CI54PO115	125 X 100	82	375	114
CI54PO150	125 X 100	82	416	152

When ordering left, right or front to back facing offsets please add one of the following suffixes to the product code according to its intended use

Left Facing Offset = /L
 Right Facing Offset = /R
 Front to Back = /FB

All front to back facing offsets are at 120 degree (not shown above) while all left or right facing offsets are at 112.5 degree (shown above).

Should offsets with projections different to the ones shown above be required please contact Rainclear technical sales for further information.

If ears are required on offsets please contact Rainclear technical sales for further information.

When ordering left, right or front to back facing offsets please add one of the following suffixes to the product code according to its intended use

Left Facing Offset = /L
 Right Facing Offset = /R
 Front to Back = /FB

All front to back facing offsets are at 120 degree (not shown above) while all left or right facing offsets are at 112.5 degree (shown above).

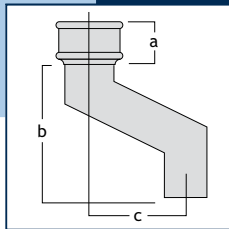
When ordering left, right or front to back facing offsets please add one of the following suffixes to the product code according to its intended use

Left Facing Offset = /L
 Right Facing Offset = /R
 Front to Back = /FB

All front to back facing offsets are at 120 degree (not shown above) while all left or right facing offsets are at 112.5 degree (shown above). If ears are required on offsets please contact Rainclear technical sales for further information.

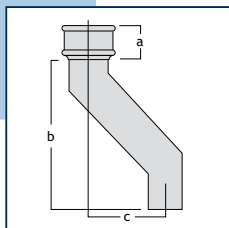
SECTION 6 CAST IRON SQUARE/RECTANGULAR DOWNPIPES & FITTINGS

150 X 100MM RECTANGULAR PIPE OFFSETS



112.5 DEGREE OFFSET

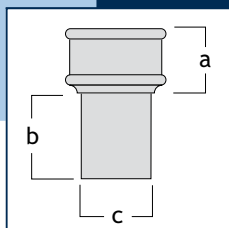
Code	Dimensions	A	B	C
CI64OS75	150 X 100	82	337	76
CI64OS115	150 X 100	82	352	114
CI64OS150	150 X 100	82	368	152
CI64OS225	150 X 100	82	400	228
CI64OS305	150 X 100	82	432	305
CI64OS380	150 X 100	82	464	381
CI64OS455	150 X 100	82	495	457



135 DEGREE PLINTH OFFSET

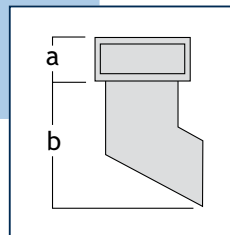
Code	Dimensions	A	B	C
CI64PO65	150 X 100	82	324	63
CI64PO75	150 X 100	82	340	76
CI64PO115	150 X 100	82	375	114
CI64PO150	150 X 100	82	416	152

SQUARE TO CIRCULAR PIPE CONNECTORS



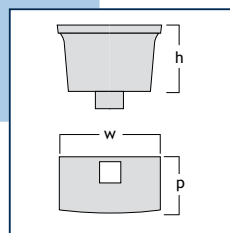
Code	Dimensions	A	B	C
CI33SCPC	75 X 75	83	95	108
CI43SCPC	100 X 75	83	95	108
CI44SCPC	100 X 100	83	95	108
CI54SCPC	125 X 100	83	95	108
CI64SCPC	150 X 100	83	95	108

SQUARE & RECTANGULAR DOWNPIPE SHOES



Code	Dimensions	A	B
CI33SH	75 X 75	82	159
CI43SH	100 X 75	82	159
CI44SH	100 X 100	82	184
CI54SH	125 X 100	82	184
CI64SH	150 X 100	82	184

RAINWATER HEADS WITH SQUARE/RECT OUTLETS



Code	Dimensions	W	P	H
CI33HO1	75 X 75	254	178	178
CI43HO1	100 X 75	254	178	178
CI43HO2	100 X 75	304	254	302
CI44HO1	100 X 100	254	178	178
CI44HO2	100 X 100	304	254	302
CI54HO2	125 X 100	304	254	302

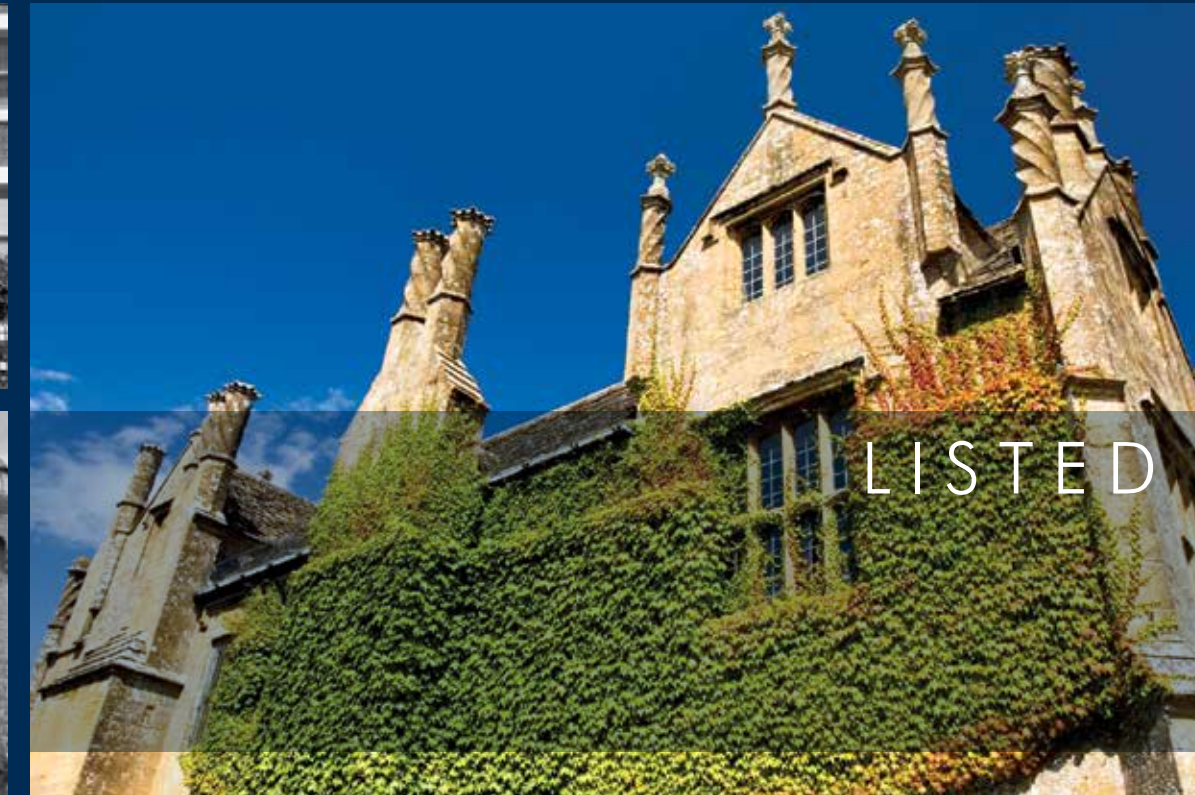
Downpipe shoes can be used as side facing shoes, if side shoes with ears are required, add one of the following suffixes to the product code according to its intended use.

Left Facing Shoe = /LE
Right Facing Shoe = /RE

When ordering left, right or front to back facing offsets please add one of the following suffixes to the product code according to its intended use.

Left Facing Offset = /L
Right Facing Offset = /R
Front to Back = /FB

All front to back facing offsets are at 120 degree (not shown above) while all left or right facing offsets are at 112.5 degree (shown above).



LISTED

CAST IRON RAINWATER INSTALLATION •

Gutters

Fall

A fall of 1:600 to 1:350 (maximum) should be allowed for, however gutters may be laid level if this fall cannot be obtained.

Measurements

All products are manufactured to traditional imperial sizes to assist when matching existing gutters. Original fixing holes may be used to save time and to prevent damage to buildings.

Fixing

Gutters should be fixed at 900mm centres on brackets. Where ogee or moulded profiles are being fitted, you may directly fix to the structure via the rear of the gutter using 30mm x 16 gauge zinc plated screws. Angles and outlets should be supported with additional brackets. Hopper heads or outlets should be fixed first followed by a length of gutter. For slated roofs the gutter may be placed with the centre line under the tile drip edge, pantile roofs however should be set slightly further out. When fixing through the back of gutters, screws should be tensioned evenly to prevent gutter damage.

Jointing

Gutter joints are sealed by use of either the hydrostrip™ sealing system for half round gutters, or by suitable silicone sealant and M6 x 25mm zinc plated nuts, bolts and washers.

Downpipes

Fixing

Pipes are fixed back to the wall at approximate 1.83mtr centres through either integral ears on the pipe or by earbelts or holderbats. It is recommended that the fixing should penetrate at least 50mm into the structure. Drive nails or screws, rawlplugs and washers should be used to securely fix pipes. Preformed holes in downpipe ears are approximate 8mm in diameter. A spacer bobbin may be used to pack out the downpipe giving a 32mm gap for ease of maintenance on pipes up to 75mm. Due to the weight of hopper heads, these should only be fixed using screws, rawlplugs and washers.

Jointing

Joints between downpipe lengths are generally not completely sealed. These should simply be secured with 25mm lead slips to prevent lateral movement. These slips should be knocked down into the gap between pipe and socket until they are no longer visible.

Painting & Finish

A red oxide transit primer or black semi-gloss factory applied pre painted finish is available. The factory applied finish has an average thickness of 100µ.

• CAST IRON RAINWATER INSTALLATION AND MAINTENANCE

Primed

One coat of red oxide primer is applied to all goods for protection against corrosion during transit and for short term under cover storage only. We recommend that any visible rust spots are rubbed down and re primed and a further primer coat then applied. A suitable anti-rust undercoat and 2 top coats should then be applied as a final finish. The gutter system should be installed after the 1st top coat has been applied. The final top coat should then be applied after installation is complete. All exposed / cut surfaces must be treated in the above way to prevent rusting and it is advisable to paint within collars and pipe ends to prevent rust staining.

Pre Painted

A factory applied 3-coat black semi-gloss finish is provided. An initial red oxide primer coat is followed by 2 black semi-gloss top coats. This finish is applied to all surfaces and then each length or fitting is packed individually to prevent paint damage. An average thickness of between 75 and 100µ is applied to all cast iron rainwater pre painted products.

Design Service

Using dedicated design software we are able to calculate the most appropriate system of gutters and downpipes required, considering the following:

Size and flow rates of gutters and pipes

Geographical rainfall

Number and size of outlets

Catchment area

Care & Maintenance

Regularly clean out hopper heads and outlets and ensure that all joints and fixings are secure. This should be completed every six months. Do not place ladders against the gutter when carrying out maintenance. Cast iron is inherently durable and regular maintenance should provide a system that lasts 40 years or more.

A well maintained painted system should be expected to last 5 to 7 years, before requiring repainting. This is dependent upon geographical location, rainfall and atmospheric conditions.

When cleaning, adjacent materials care should be taken to protect the cast iron from aggressive acids or alkalis.



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