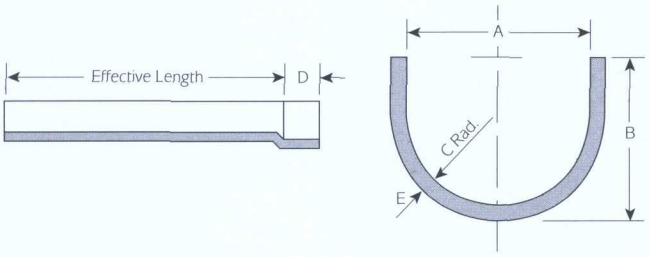
Deep Half Round Gutters & Fittings

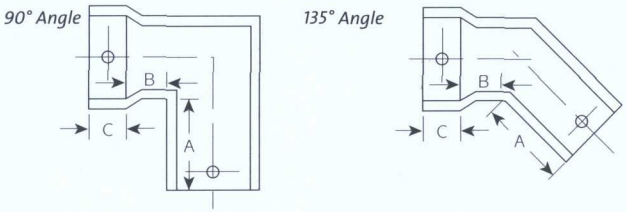
G810 Gutter



Effective Length 1830

Product Code	Size	A	B	C	D	E	Wt	Price £
04823	100 x 75	100	75	50	45	3	10.6	37.56
04824	125 x 75	125	75	65	45	3	12.0	48.54

G811 Angle Right Hand

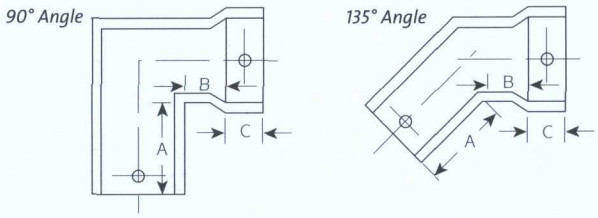


90° Angle

Product Code	Size	A	B	C	Wt	Price £
04681	100 x 75	150	105	45	3.2	25.76
04683	125 x 75	170	120	50	3.2	32.69
135° Angle						
04680	100 x 75	120	80	40	3.2	25.76
04682	125 x 75	140	85	50	3.2	32.69

Dimensions mm Weight kg *Prices listed are excluding VAT.*

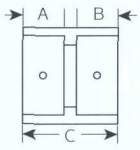
G812 Angle Left Hand



90° Angle

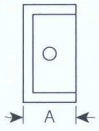
Product Code	Size	A	B	C	Wt	Price £
04685	100 x 75	150	105	45	3.2	25.76
04687	125 x 75	170	105	50	3.2	32.69
135° Angle						
04684	100 x 75	120	80	40	3.2	25.76
04686	125 x 75	140	85	50	3.2	32.69

G813 Union Clip



Product Code	Size	A	B	C	Wt	Price £
04688	100 x 75	45	45	100	0.5	10.32
04689	125 x 75	55	55	115	0.5	10.94

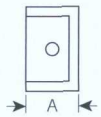
G814 Stop End for Spigot (External)



Product Code	Size	A	Wt	Price £
04690	100 x 75	50	0.8	9.04
04691	125 x 75	60	0.7	11.14

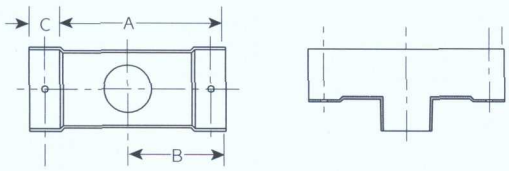
Dimensions mm Weight kg *Prices listed are excluding VAT.*

G815 Stop End for Socket (Internal)



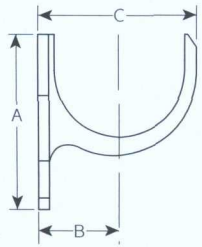
Product Code	Size	A	Wt	Price £
04692	100 x 75	50	0.8	9.04
04693	125 x 75	60	0.7	11.14

G816 Nozzle with Socket



Product Code	Size	Outlets Available	A	B	C	Wt	Price £
04694	100 x 75	65	195	120	45	1.8	25.76
04696	125 x 75	65	195	120	45	2.5	33.34
04695	100 x 75	75	195	120	45	1.8	25.76
04697	125 x 75	75	195	120	45	2.5	32.69

G819 Cast Iron Fascia Bracket

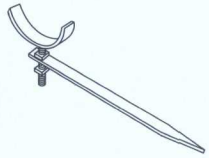


Product Code	Size	A	B	C	Wt	Price £
04704	100 x 75	100	75	135	0.3	8.87
04705	125 x 75	127	82	165	0.7	10.94

Dimensions mm Weight kg *Prices listed are excluding VAT.*

G872 Galvanised Mild Steel Bracket

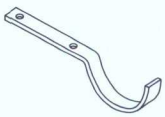
Mild Steel, Black Coated Rise and Fall Bracket for HR Gutter Systems G800



Product Code	Size	Price £
08855	100	5.25
08856	115	5.25
08857	125	5.40
08858	150	5.50

G871 Galvanised Mild Steel Bracket

Mild Steel, Galvanised Top Fixing Rafter Bracket for HR Gutter Systems G800



Product Code		Size	Price £	
GALV	PLUS		GALV	PLUS
08851	09353	100	2.51	4.28
08852	09354	115	2.51	4.28
08853	09355	125	2.60	4.37
08854	09356	150	3.93	5.89

G870 Galvanised Mild Steel Bracket

Mild Steel, Galvanised Side Fixing Rafter Bracket for HR Gutter Systems G800

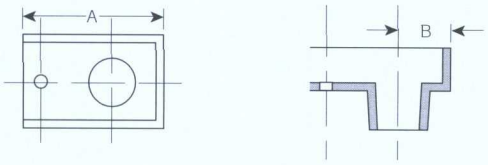


Product Code		Size	Price £	
GALV	PLUS		GALV	PLUS
08847	09350	100	2.51	4.28
08848	09349	115	2.51	4.28
08849	09351	125	2.60	4.37
08850	09352	150	3.93	5.89

Dimensions mm Weight kg *Prices listed are excluding VAT.*

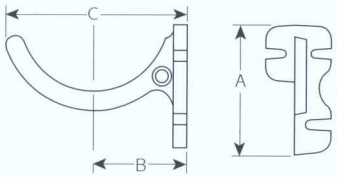
Half Round Gutters & Fittings

G808 Dropend with Spigot



Product Code Primed	PLUS	Size	Outlets Available	A	B	Wt	Price £ Primed	PLUS
04671	09671	100	65	170	60	0.9	10.70	18.18
04672	09672	115	65	170	60	0.9	11.99	19.66
04673	09673	125	75	170	60	1.0	13.65	21.25
04674	09674	150	75	170	60	1.4	22.93	40.68
04675	09675	150	100	170	60	2.2	22.93	40.68

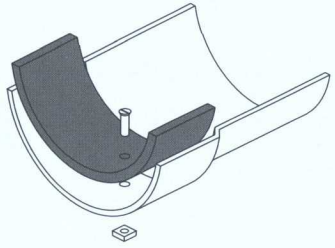
G809 Cast Iron Fascia Bracket



Product Code Primed	PLUS	Dia	A	B	C	Wt	Price £ Primed	PLUS
04676	09676	100	90	69	134	0.3	2.63	4.10
04677	09677	115	90	77	142	0.3	2.63	4.43
04678	09678	125	90	79	162	0.3	2.63	4.73
04679	09679	150	90	90	182	0.3	3.33	4.87

G873 Cast Iron Jointing Kit

Rubber Gasket Jointing Kit for use with G800 HR Gutter Systems. Sold in packs of 20 (See Page 62).

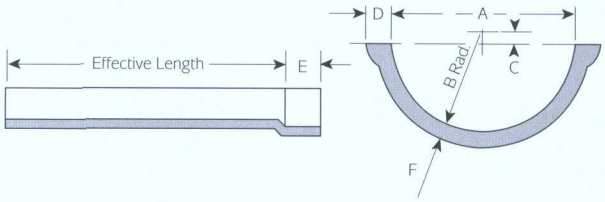


Product Code	Size	Price £
09027	100, 115, 125	19.76

Dimensions mm Weight kg *Prices listed are excluding VAT.*

Beaded Half Round Gutters & Fittings

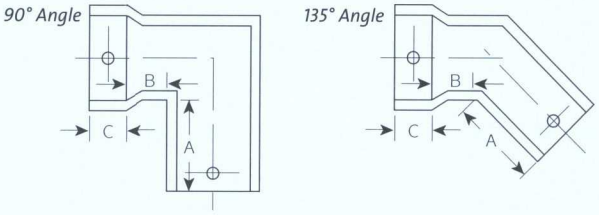
G820 Gutter



Effective Length 1830

Product Code	Size	A	B	C	D	E	F	Wt	Price £
04825	100	100	50	8	8	40	3	8.4	22.86
04826	115	115	55	13	8	40	3	10.8	23.84
04827	125	125	65	11	11	40	3	11.2	27.38

G821 Angle Right Hand

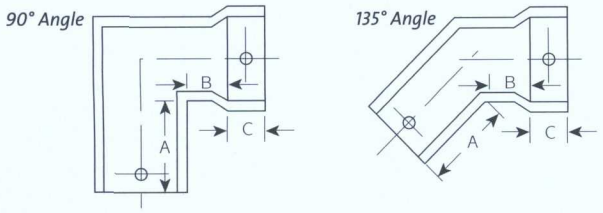


90° Angle

Product Code	Size	A	B	C	Wt	Price £
04707	100	75	30	45	1.4	9.72
04709	115	85	30	50	1.6	9.85
04711	125	85	25	50	2.0	12.00
135° Angle						
04706	100	80	30	40	1.4	9.54
04708	115	80	30	50	1.6	10.04
04710	125	80	25	50	2.0	12.00

Dimensions mm Weight kg *Prices listed are excluding VAT.*

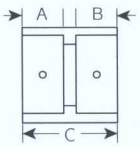
G822 Angle Left Hand



90° Angle

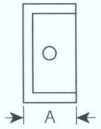
Product Code	Size	A	B	C	Wt	Price £
04713	100	75	30	45	1.4	9.71
04715	115	85	30	50	1.6	9.85
04717	125	85	25	50	2.0	12.22
135° Angle						
04712	100	80	30	40	1.4	9.71
04714	115	80	30	50	1.6	10.04
04716	125	80	25	50	2.0	14.48

G823 Union Clip



Product Code	Size	A	B	C	Wt	Price £
04718	100	45	45	95	0.7	6.17
04719	115	45	45	95	0.7	7.52
04720	125	45	45	95	0.8	8.69

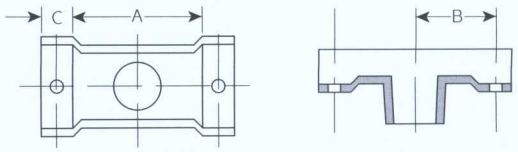
G824 Stop End for Spigot (External)



Product Code	Size	A	Wt	Price £
04721	100	50	0.5	3.14
04722	115	50	0.5	4.07
04723	125	50	0.5	4.08

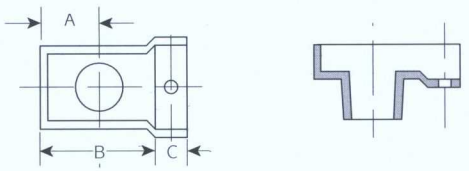
Dimensions mm Weight kg *Prices listed are excluding VAT.*

G806 Nozzle with Sockets



Product Code Primed	Product Code PLUS	Size	Outlets Available	A	B	C	Wt	Price £ Primed	Price £ PLUS
04655	09655	100	65	160	120	45	1.1	9.11	13.34
04658	09658	115	65	160	120	40	1.3	9.93	14.29
04660	09660	125	65	150	120	45	1.4	11.35	15.90
04656	09656	100	75	160	120	45	1.1	9.11	13.34
04659	09659	115	75	160	120	40	1.4	9.93	14.29
04661	09661	125	75	150	120	45	1.4	11.35	15.90
04662	09662	150	75	155	120	45	1.8	19.65	40.68
04663	09663	150	100	155	120	45	1.8	19.65	40.68

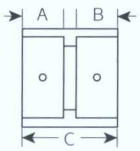
G807 Dropend with Socket



Product Code Primed	Product Code PLUS	Size	Outlets Available	A	B	C	Wt	Price £ Primed	Price £ PLUS
04665	09665	100	65	60	125	45	0.9	10.70	18.18
04666	09666	115	65	60	130	45	0.9	11.99	19.66
04667	09667	125	75	60	125	45	1.1	13.41	21.25
04668	09668	150	75	60	125	45	1.8	22.48	40.68
04669	09669	150	100	60	125	45	2.2	22.93	40.68

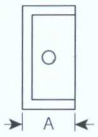
Dimensions mm Weight kg *Prices listed are excluding VAT.*

G803 Union Clip



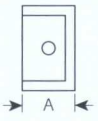
Product Code Primed	Product Code PLUS	Dia	A	B	C	Wt	Price £ Primed	Price £ PLUS
04642	09642	100	45	45	95	0.5	6.18	10.06
04643	09643	115	45	45	95	0.7	7.69	11.57
04644	09644	125	45	45	95	0.7	8.69	12.88
04645	09645	150	45	45	95	0.7	9.76	23.24

G804 Stop End for Spigot (External)



Product Code Primed	Product Code PLUS	Size	A	Wt	Price £ Primed	Price £ PLUS
04646	09646	100	50	0.4	3.14	6.61
04647	09647	115	50	0.5	4.07	7.67
04648	09648	125	50	0.6	4.07	7.67
04649	09649	150	50	0.6	5.65	10.96

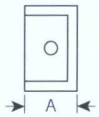
G805 Stop End for Socket (Internal)



Product Code Primed	Product Code PLUS	Size	A	Wt	Price £ Primed	Price £ PLUS
04650	09650	100	45	0.3	3.14	6.61
04651	09651	115	45	0.3	4.07	7.67
04652	09652	125	45	0.5	4.07	7.67
04653	09653	150	45	0.6	5.65	10.96

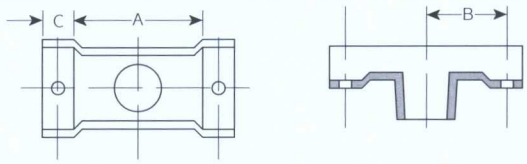
Dimensions mm Weight kg *Prices listed are excluding VAT.*

G825 Stop End for Socket (Internal)



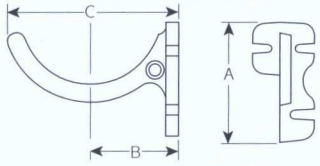
Product Code	Size	A	Wt	Price £
04724	100	45	0.3	3.14
04725	115	45	0.4	4.07
04726	125	45	0.5	4.07

G826 Nozzle with Socket



Product Code	Size	Outlets Available	A	B	C	Wt	Price £
04728	100	65	165	120	40	1.8	9.71
04729	115	65	160	130	50	1.3	9.93
04731	125	65	155	125	45	1.4	11.76
04730	115	75	160	130	50	1.4	10.12
04732	125	75	155	125	45	1.5	11.76

G809 Cast Iron Fascia Bracket



Product Code	Size	A	B	C	Wt	Price £
04676	100	90	69	134	0.3	2.63
04677	115	90	77	142	0.3	2.63
04678	125	90	79	162	0.3	2.63

G872 Rise and Fall Bracket

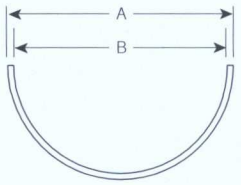
Mild Steel, Black Coated Rise and Fall Bracket for HR Gutter Systems G800



Product Code	Size	Price £
08855	100 Beaded Gutter	5.25
08856	115 Beaded Gutter	5.25
08857	125 Beaded Gutter	5.40

Dimensions mm Weight kg *Prices listed are excluding VAT.*

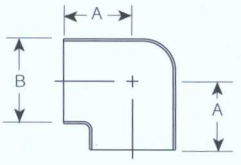
G880 Gutter



Effective Length 1830

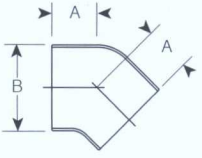
Product Code		Size	A	B	Wt	Price £	
Primed	PLUS					Primed	PLUS
09215	09218	125	132	125	10.0	25.78	39.00

G881 90° Angle



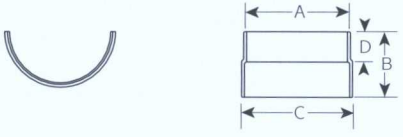
Product Code		Size	A	B	Wt	Price £	
Primed	PLUS					Primed	PLUS
09209	09219	125	106	132	1.1	9.35	13.54

G882 45° Angle



Product Code		Size	A	B	Wt	Price £	
Primed	PLUS					Primed	PLUS
09210	09220	125	70	132	0.7	9.35	13.54

G883 Transitional Clip

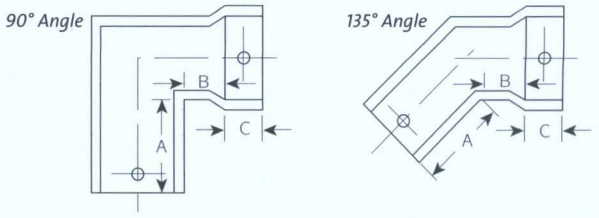


Product Code		Size	A	B	C	D	Wt	Price £	
Primed	PLUS							Primed	PLUS
09211	09221	125	132	80	137	37	0.52	7.31	11.24

Connect to 115mm & 125mm BS460 half round gutter.

Dimensions mm Weight kg *Prices listed are excluding VAT.*

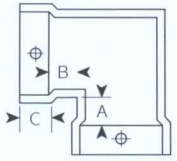
G802 Angle Left Hand



90° Angle

Product Code		Dia	A	B	C	Wt	Price £	
Primed	PLUS						Primed	PLUS
04635	09635	100	75	30	40	0.9	9.35	13.63
04637	09637	115	75	30	45	1.3	9.62	13.94
04639	09639	125	75	30	45	1.4	11.35	15.90
04641	09641	150	75	25	40	2.0	20.73	40.22
135° Angle								
04634	09634	100	75	30	40	0.8	9.54	13.63
04636	09636	115	75	30	45	0.9	9.62	13.94
04638	09638	125	75	25	45	1.3	14.49	19.15
04640	09640	150	75	30	40	1.6	20.73	40.22

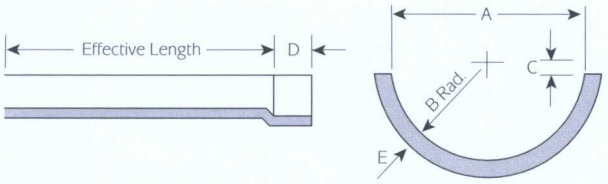
G802D 90° Double Socket



Product Code		Dia	A	B	C	Wt	Price £	
Primed	PLUS						Primed	PLUS
04925	09925	100	30	30	45	1.1	11.34	15.88
04926	09926	115	30	30	45	1.3	12.03	16.67
04927	09927	125	25	25	40	1.5	15.58	40.49

Dimensions mm Weight kg *Prices listed are excluding VAT.*

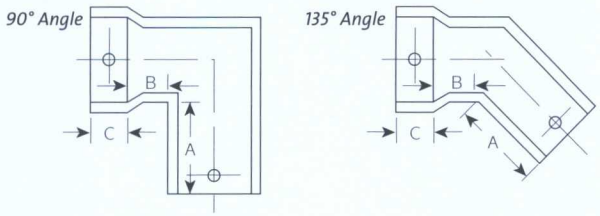
G800 Gutter



Effective Length 1830

Product Code		Size	A	B	C	D	E	Wt	Price £	
Primed	PLUS								Primed	PLUS
04819	09819	100	100	50	8	40	3	6.2	22.45	39.11
04820	09820	115	115	58	11	40	3	7.4	23.39	40.19
04821	09821	125	125	65	15	45	3	8.3	27.38	44.69
04822	09822	150	150	75	15	45	3	14.4	46.77	71.23

G801 Angle Right Hand



90° Angle

Product Code		Dia	A	B	C	Wt	Price £	
Primed	PLUS						Primed	PLUS
04627	09627	100	75	30	40	0.9	9.35	13.63
04629	09629	115	75	30	45	1.3	9.62	13.94
04631	09631	125	75	30	45	1.4	11.35	15.90
04633	09633	150	75	25	40	2.0	20.73	40.22
135° Angle								
04626	09626	100	75	30	40	0.8	9.54	13.63
04628	09628	115	75	30	45	0.9	9.62	13.94
04630	09630	125	75	25	45	1.3	14.24	19.15
04632	09632	150	75	30	40	1.6	21.24	40.22

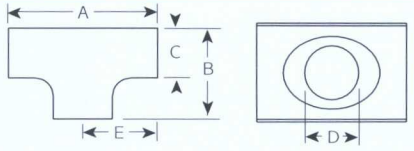
Dimensions mm Weight kg *Prices listed are excluding VAT.*

G884 Stop End



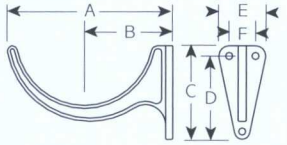
Product Code		Size	A	B	Wt	Price £	
Primed	PLUS					Primed	PLUS
09212	09222	125	132	35	0.43	3.95	7.43

G885 Nozzle



Product Code		Size	A	B	C	D	E	Wt	Price £	
Primed	PLUS								Primed	PLUS
09213	09223	125 x 75	200	121	66	79	100	1.25	9.64	13.86

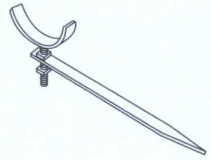
G886 Fascia Bracket



Product Code		Size	A	B	C	D	E	F	Wt	Price £	
Primed	PLUS									Primed	PLUS
09207M	09224	125	165	87	90	72	46	26	0.32	2.55	4.73

G872 Rise and Fall Bracket

Mild Steel, Black Coated Rise and Fall Bracket for HR Gutter Systems G800



Product Code	Size	Price £
08857	125	5.40

G887 Jointing Clip

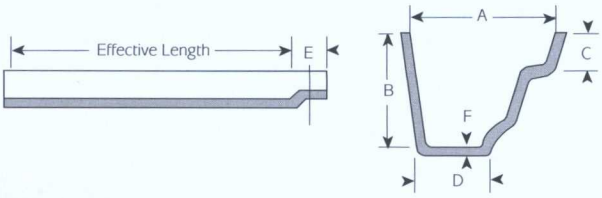


Product Code		Price £
09214	Box of 20 Clips	103.98
09216	6 pack of spare Gasket Seals	2.87
09217	T Spanner	12.31

Dimensions mm Weight kg *Prices listed are excluding VAT.*

Moulded No. 46 Gutters & Fittings

G830 Gutter

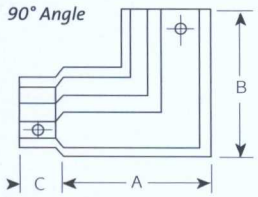


Effective Length 1830

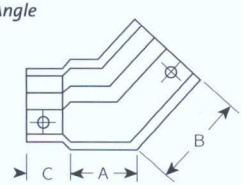
Product Code	Size	A	B	C	D	E	F	Wt	Price £
04828	100 x 75	95	75	30	50	45	3	11.0	42.99
04829	125 x 100	125	100	30	50	45	3	14.5	63.02

G831 Internal Angle

90° Angle



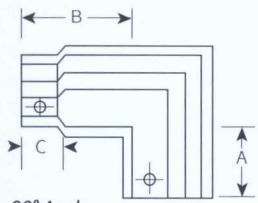
135° Angle



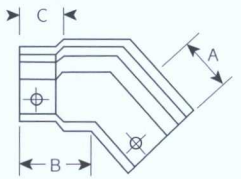
90° Angle

Product Code	Size	A	B	C	Wt	Price £
04741	100 x 75	200	200	50	2.0	23.75
04743	125 x 100	160	200	50	2.3	34.12
135° Angle						
04740	100 x 75	170	220	50	2.0	23.75
04742	125 x 100	140	140	50	3.2	34.12

G832 External Angle



90° Angle



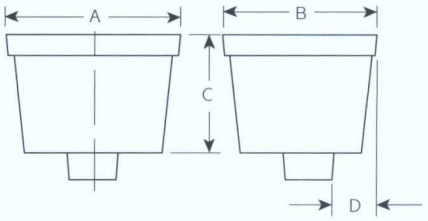
135° Angle

90° Angle

Product Code	Size	A	B	C	Wt	Price £
04745	100 x 75	105	100	50	2.0	24.21
04747	125 x 100	80	80	50	2.3	34.12
135° Angle						
04744	100 x 75	90	90	50	2.0	24.21
04746	125 x 100	90	90	50	3.2	34.12

Dimensions mm Weight kg *Prices listed are excluding VAT.*

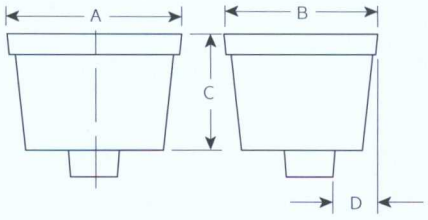
A484 Rectangular Head



Product Code Primed	Product Code PLUS	Outlet Size	A	B	C	D	Wt	Price £ Primed	Price £ PLUS
04517	09517	65	300	250	200	25	12.4	79.14	105.73
04518	09518	75	300	250	200	25	12.4	79.14	105.73
04519	09519	100	300	250	200	35	12.4	79.14	122.00
04521	–	100 x 75*	300	250	200	30	12.4	79.14	N/A

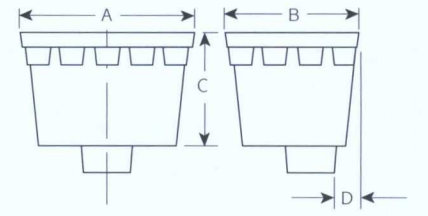
*Rectangular outlet to suit pipe and fittings on page 28 to 29

A485 Rectangular Head



Product Code Primed	Product Code PLUS	Outlet Size	A	B	C	D	Wt	Price £ Primed	Price £ PLUS
04523	09523	75	250	180	175	25	6.8	47.17	69.77
04524	09524	100	250	180	175	30	6.8	47.17	73.37

A485 Castellated Rectangular Head

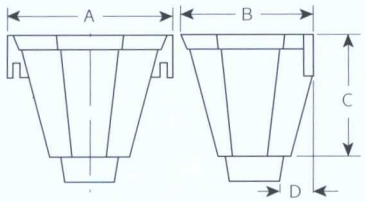


Product Code Primed	Product Code PLUS	Outlet Size	A	B	C	D	Wt	Price £ Primed	Price £ PLUS
04522	09522	65	250	180	175	30	6.8	47.17	97.60

Dimensions mm Weight kg *Prices listed are excluding VAT.*

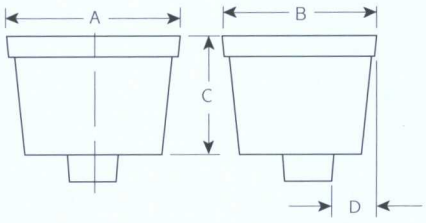
Rainwater Heads

A750 Hopper Head



Product Code Primed	Product Code PLUS	Outlet Size	A	B	C	D	Wt	Price £ Primed	Price £ PLUS
04525	09525	65	210	160	185	30	3.9	40.00	49.05
04526	09526	75	210	160	185	30	4.0	40.00	49.05
04527	09527	100	250	215	215	40	6.2	49.69	59.87

A841 Box Head



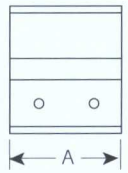
Product Code Primed	Product Code PLUS	Outlet Size	A	B	C	D	Wt	Price £ Primed	Price £ PLUS
04528	09528	65	225	125	125	20	3.6	65.47	79.42
04529	09529	75	225	125	125	20	3.6	65.47	79.42

A842 Box Head

Product Code Primed	Product Code PLUS	Outlet Size	A	B	C	D	Wt	Price £ Primed	Price £ PLUS
04530	09530	100	280	150	130	15	5.4	90.40	107.14

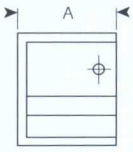
Dimensions mm Weight kg *Prices listed are excluding VAT.*

G833 Union Clip



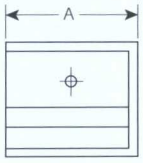
Product Code	Size	A	Wt	Price £
04748	100 x 75	100	0.5	10.12
04749	125 x 100	105	0.6	11.74

G834 Stop End for Spigot (Left Hand)



Product Code	Size	A	Wt	Price £
04750	100 x 75	55	1.8	9.06
04751	125 x 100	55	1.0	11.74

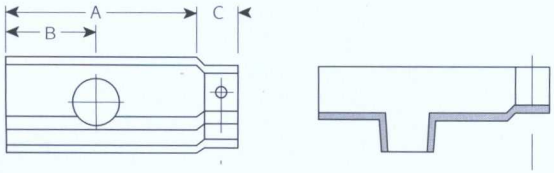
G835 Stop End for Socket (Right Hand)



Product Code	Size	A	Wt	Price £
04752	100 x 75	55	1.8	9.06
04753	125 x 100	60	0.7	11.74

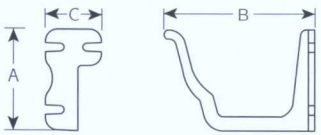
Dimensions mm Weight kg *Prices listed are excluding VAT.*

G836 Nozzle



Product Code	Size	Outlets Available	A	B	C	Wt	Price £
04754	100 x 75	65	200	120	50	2.0	24.21
04756	125 x 100	65	250	150	50	2.0	34.12
04755	100 x 75	75	200	120	50	2.0	24.21
04757	125 x 100	75	185	120	50	2.0	34.12
04758	125 x 100	100	185	120	50	2.0	34.78
04759	125 x 100	100 x 75	250	150	50	2.3	34.78

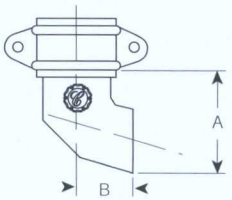
G839 Fascia Bracket



Product Code	Size	A	B	C	Wt	Price £
08950	100 x 75	90	108	70	0.5	4.80
08831	125 x 100	90	135	48	0.6	4.80

Dimensions mm Weight kg *Prices listed are excluding VAT.*

A613 Side Shoe with or without ears Left or Right Hand *(R.H. illustrated)*



Plain Uneared

Product Code	Size	A	B	Wt	Price £
04621	100 x 75	205	95	5.4	79.21

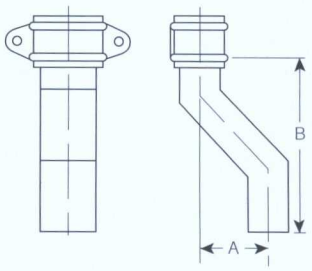
Eared Left Hand

Product Code	Size	A	B	Wt	Price £
04623	100 x 75	205	95	5.9	99.04

Eared Right Hand

Product Code	Size	A	B	Wt	Price £
04622	100 x 75	205	95	5.9	99.04

A615 Plinth Offset with or without ears



Eared

Product Code	Size	A	B	Wt	Price £
04625	100 x 75	115	290	8.6	80.05

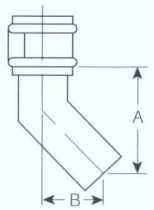
Uneared

Product Code	Size	A	B	Wt	Price £
04624	100 x 75	115	290	8.2	62.16

Dimensions mm Weight kg *Prices listed are excluding VAT.*

Rectangular Pipes & Fittings

A610 135° Front Bend with or without ears



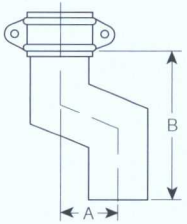
Eared

Product Code	Size	A	B	Wt	Price £
04609	100 x 75	150	90	7.1	65.14

Uneared

Product Code	Size	A	B	Wt	Price £
04608	100 x 75	150	90	6.9	57.13

A611 Side Offset with or without ears



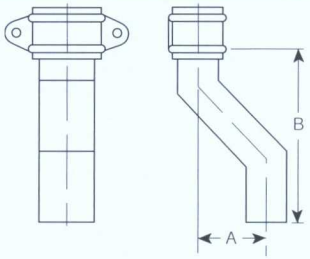
Eared

Product Code	Size	A	B	Wt	Price £
04614	100 x 75	150	296	9.0	101.63

Uneared

Product Code	Size	A	B	Wt	Price £
04612	100 x 75	75	266	7.3	79.15
04613	100 x 75	115	281	7.6	82.33
04615	100 x 75	225	327	9.0	102.57
04616	100 x 75	300	358	11.0	118.21

A612 Front Offset with or without ears



Eared

Product Code	Size	A	B	Wt	Price £
04617	100 x 75	75	263	8.0	77.04
04618	100 x 75	150	275	8.6	83.07
04619	100 x 75	225	325	8.4	106.98
04620	100 x 75	300	400	11.4	114.33

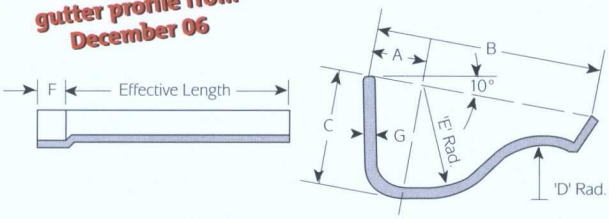
Uneared

Product Code	Size	A	B	Wt	Price £
02289	100 x 75	75	263	8.0	60.22
02291	100 x 75	150	275	8.6	66.56
02293	100 x 75	225	325	8.4	82.39
02295	100 x 75	300	400	11.4	98.02

Ogee Gutters & Fittings

G840 Gutter

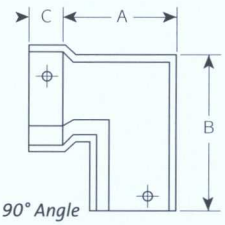
Available on OG gutter profile from December 06



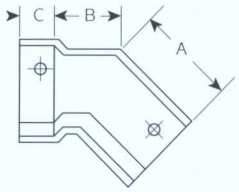
Effective Length 1830

Product Code Primed	Product Code PLUS	Size	A	B	C	D	E	F	G	Wt	Price £ Primed	Price £ PLUS
04830	09830	100	25	105	55	40	55	40	3	7.0	25.03	41.69
04831	09831	115	30	115	60	40	55	45	3	8.4	27.53	44.33
04832	09832	125	30	130	65	40	65	40	3	11.9	28.87	46.18

G841 Internal Angle



90° Angle



135° Angle

90° Angle

Product Code Primed	Product Code PLUS	Size	A	B	C	Wt	Price £ Primed	Price £ PLUS
04765	09765	100	135	185	45	1.0	9.76	14.04
04767	09767	115	150	200	45	1.5	10.58	14.90
04769	09769	125	160	210	45	1.9	11.55	15.90

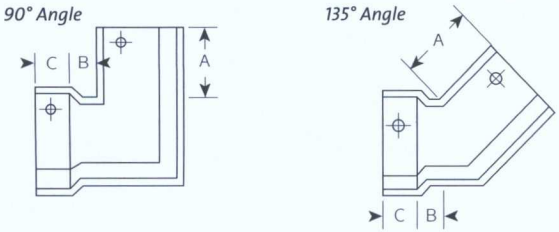
135° Angle

Product Code Primed	Product Code PLUS	Size	A	B	C	Wt	Price £ Primed	Price £ PLUS
04764	09764	100	125	80	40	1.0	10.13	14.22
04766	09766	115	130	80	40	1.0	11.00	15.32
04768	09768	125	130	80	45	1.8	14.48	19.39

Dimensions mm Weight kg

Prices listed are excluding VAT.

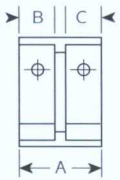
G842 External Angle



90° Angle

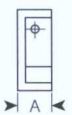
Product Code Primed	PLUS	Size	A	B	C	Wt	Price £ Primed	PLUS
04771	09771	100	75	25	45	1.0	9.76	14.04
04773	09773	115	75	25	45	1.4	10.58	14.90
04775	09775	125	75	25	45	1.5	11.55	15.90
135° Angle								
04770	09770	100	75	25	40	1.0	9.95	14.22
04772	09772	115	80	30	40	1.1	10.79	15.32
04774	09774	125	80	30	40	1.4	14.23	19.39

G843 Union Clip



Product Code Primed	PLUS	Size	A	B	C	Wt	Price £ Primed	PLUS
04776	09776	100	95	45	45	0.7	6.18	10.06
04777	09777	115	95	45	45	0.7	7.52	11.40
04778	09778	125	95	45	45	0.8	8.69	11.40

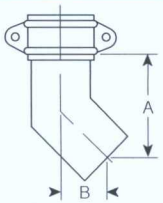
G844 Stop End for Socket (Internal)



Product Code Primed	PLUS	Size	A	Wt	Price £ Primed	PLUS
04779	09779	100	45	0.3	3.21	6.68
04780	09780	115	45	0.5	4.16	7.76
04781	09781	125	45	0.5	4.16	7.76

Dimensions mm Weight kg *Prices listed are excluding VAT.*

A609 135° Side Bend with or without ears Left or Right Hand *(R.H. illustrated)*



Plain Uneared

Product Code	Size	A	B	Wt	Price £
04603	100 x 75	185	85	5.8	61.37

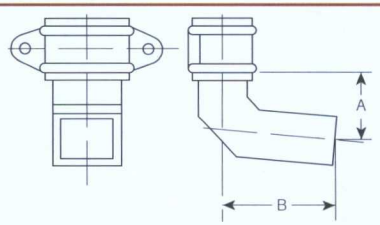
Eared Left Hand

Product Code	Size	A	B	Wt	Price £
04604	100 x 75	185	85	6.0	75.96

Eared Right Hand

Product Code	Size	A	B	Wt	Price £
04605	100 x 75	185	85	6.0	75.96

A610 92½° Front Bend with or without ears



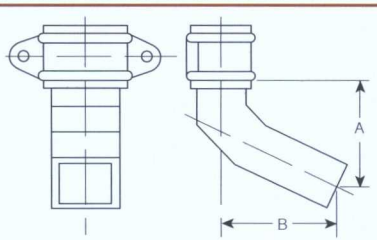
Eared

Product Code	Size	A	B	Wt	Price £
04611	100 x 75	115	185	7.5	63.91

Uneared

Product Code	Size	A	B	Wt	Price £
04610	100 x 75	115	185	7.3	56.89

A610 112½° Front Bend with or without ears



Eared

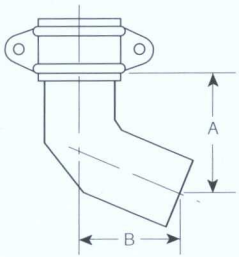
Product Code	Size	A	B	Wt	Price £
04607	100 x 75	220	190	7.7	63.91

Uneared

Product Code	Size	A	B	Wt	Price £
04606	100 x 75	220	190	7.5	57.05

Dimensions mm Weight kg *Prices listed are excluding VAT.*

A607 112½° Side Bend with or without ears Left or Right Hand *(R.H. illustrated)*



Plain Uneared

Product Code	Size	A	B	Wt	Price £
04597	100 x 75	175	170	6.6	60.09

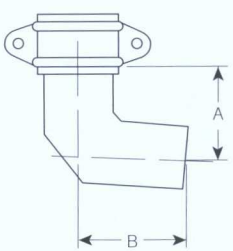
Eared Left Hand

04598	100 x 75	175	170	6.8	75.96

Eared Right Hand

04599	100 x 75	175	170	6.8	75.96

A608 92½° Side Bend with or without ears Left or Right Hand *(R.H. illustrated)*



Plain Uneared

Product Code	Size	A	B	Wt	Price £
04600	100 x 75	160	170	7.8	60.09

Eared Left Hand

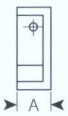
04601	100 x 75	160	170	8.2	75.96

Eared Right Hand

04602	100 x 75	160	170	8.2	75.96

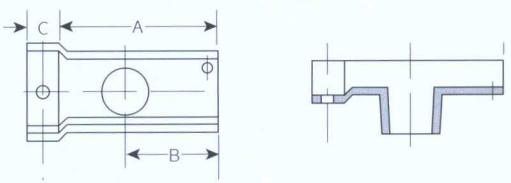
Dimensions mm Weight kg *Prices listed are excluding VAT.*

G845 Stop End for Spigot (External)



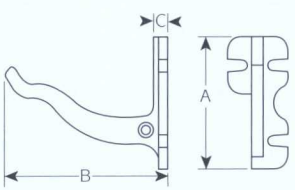
Product Code Primed	PLUS	Size	A	Wt	Price £ Primed	PLUS
04782	09782	100	50	0.5	3.21	6.68
04783	09783	115	50	0.5	4.16	7.76
04784	09784	125	50	0.6	4.16	7.76

G846 Nozzle



Product Code Primed	PLUS	Size	Outlets	A	B	C	Wt	Price £ Primed	PLUS
04785	09785	100	65	200	120	40	1.3	9.94	14.17
04786	09786	115	65	200	120	45	1.5	10.58	14.94
04787	09787	125	65	200	120	40	1.7	11.55	16.10
04788	09788	125	75	200	120	40	1.7	11.55	16.10

G849 Cast Iron Fascia Bracket

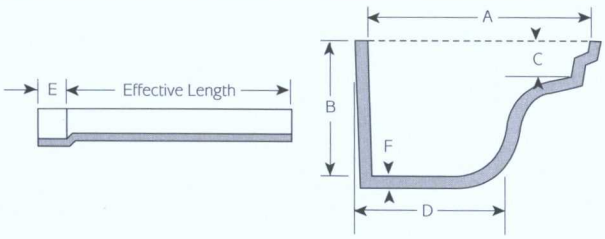


Product Code Primed	PLUS	Size	A	B	C	Wt	Price £ Primed	PLUS
04797	09797	100	100	124	10	0.3	2.85	4.32
04798	09798	115	100	141	14	0.3	2.85	4.65
04799	09799	125	100	151	14	0.5	3.23	5.33

Dimensions mm Weight kg *Prices listed are excluding VAT.*

Notts Ogee Gutters & Fittings

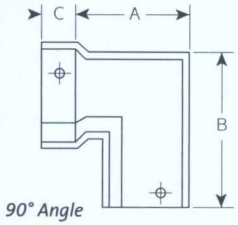
G850 Gutter



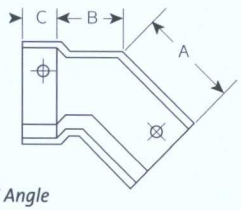
Effective Length 1830

Product Code	Size	A	B	C	D	E	F	Wt	Price £
04833	115	115	70	35	75	40	3	11.0	44.44

G851 Internal Angle



90° Angle



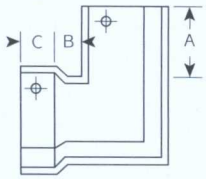
135° Angle

90° Angle

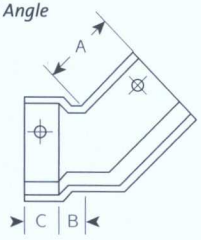
Product Code	Size	A	B	C	Wt	Price £
04801	115	210	240	40	2.0	25.63
135° Angle						
04800	115	175	135	40	2.0	25.15

G852 External Angle

90° Angle



135° Angle

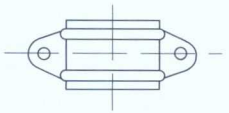


90° Angle

Product Code	Size	A	B	C	Wt	Price £
04803	115	110	80	40	2.0	25.15
135° Angle						
04802	115	125	75	40	2.0	25.63

Dimensions mm Weight kg *Prices listed are excluding VAT.*

A604 Loose Socket with or without ears



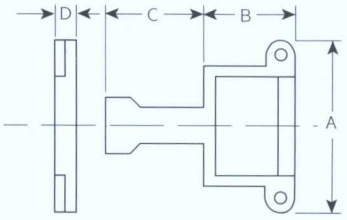
Eared

Product Code	Size	Wt	Price £
04593	100 x 75	2.8	40.79

Uneared

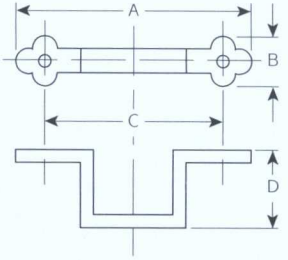
Product Code	Size	Wt	Price £
04592	100 x 75	2.5	24.61

A605 Holderbat (Build-in)



Product Code	Size	A	B	C	D	Wt	Price £
04594	100 x 75	197	102	120	30	2.0	33.03

A606 Earband Plain or Trefoil



Plain

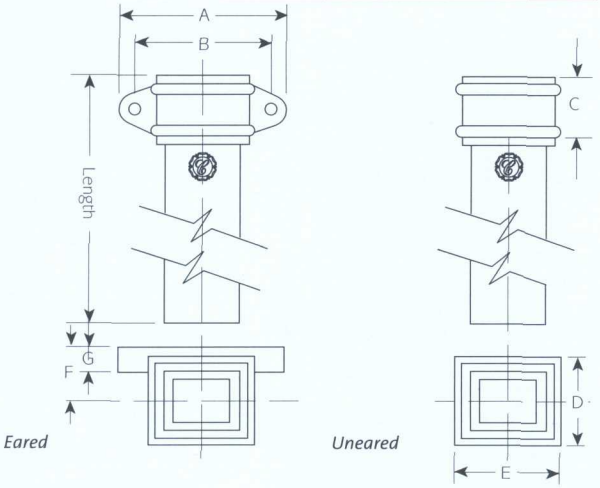
Product Code	Size	A	B	C	D	Wt	Price £
04596	100 x 75	376	94	280	125	1.4	25.45

Trefoil

Product Code	Size	A	B	C	D	Wt	Price £
04595	100 x 75	375	94	280	125	1.6	26.32

Dimensions mm Weight kg *Prices listed are excluding VAT.*

A601 Pipe with or without ears



Eared *Uneared*

Eared (Length 1830)

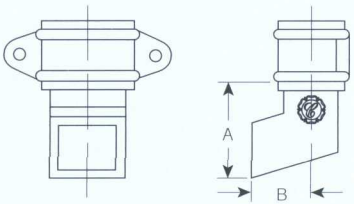
Product Code	Size	A	B	C	D	E	F	G	Wt	Price £
04588	100 x 75	205	165	85	115	145	60	25	30.0	112.00

Uneared (Length 1830)

04587	100 x 75	205	165	85	115	145	60	25	30.0	110.00

External dimensions of pipe spigot are 105 x 80.

A603 Front Shoe with or without ears



Eared

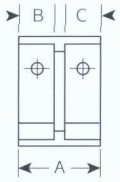
Product Code	Size	A	B	Wt	Price £
04590	100 x 75	150	76	4.8	79.78

Uneared

04589	100 x 75	150	76	4.5	65.01

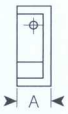
Dimensions mm Weight kg *Prices listed are excluding VAT.*

G853 Union Clip



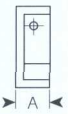
Product Code	Size	A	B	C	Wt	Price £
04804	115	100	45	45	0.8	10.53

G854 Stop End for Spigot (External)



Product Code	Size	A	Wt	Price £
04805	115	50	0.6	8.67

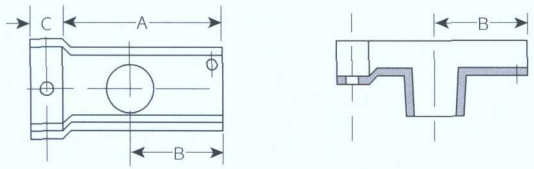
G855 Stop End for Socket (Internal)



Product Code	Size	A	Wt	Price £
04806	115	45	0.5	8.67

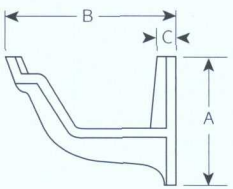
Dimensions mm Weight kg *Prices listed are excluding VAT.*

G856 Nozzle



Product Code	Size	Outlets Available	A	B	C	Wt	Price £
04807	115	65	225	135	40	2.4	30.16
04808	115	75	225	135	40	2.4	25.20

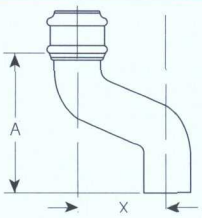
G859 Cast Iron Fascia Bracket



Product Code	Size	A	B	C	Wt	Price £
04811	115	100	145	15	0.5	8.67

Dimensions mm Weight kg *Prices listed are excluding VAT.*

A594 Offset (continued)

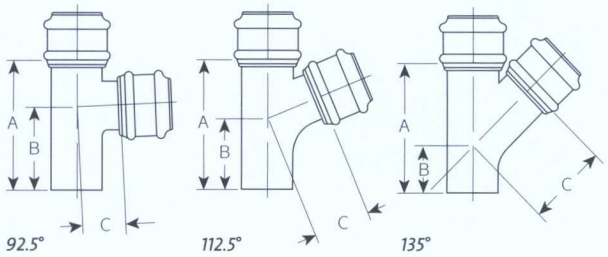


Product Code Primed	PLUS	X	A	Wt	65 mm dia Primed £	PLUS £
04564	09564	150mm offset	235	3.2	19.96	25.63
Product Code Primed	**PLUS**	**X**	**A**	**Wt**	**75 mm dia Primed £**	**PLUS £**
04571	09571	150mm offset	232	3.5	19.96	25.63
Product Code Primed	**PLUS**	**X**	**A**	**Wt**	**100 mm dia Primed £**	**PLUS £**
04578	09578	150mm offset	250	5.9	37.65	45.68
Product Code Primed	**PLUS**	**X**	**A**	**Wt**	**65 mm dia Primed £**	**PLUS £**
04565	09565	230mm offset	248	3.4	23.24	29.36
Product Code Primed	**PLUS**	**X**	**A**	**Wt**	**75 mm dia Primed £**	**PLUS £**
04572	09572	230mm offset	265	3.8	23.24	29.36
Product Code Primed	**PLUS**	**X**	**A**	**Wt**	**100 mm dia Primed £**	**PLUS £**
04579	09579	230mm offset	290	6.2	45.60	54.68
Product Code Primed	**PLUS**	**X**	**A**	**Wt**	**65 mm dia Primed £**	**PLUS £**
04566	09566	305mm offset	280	4.2	27.21	33.85
Product Code Primed	**PLUS**	**X**	**A**	**Wt**	**75 mm dia Primed £**	**PLUS £**
04573	09573	305mm offset	295	5.4	28.56	35.38
Product Code Primed	**PLUS**	**X**	**A**	**Wt**	**100 mm dia Primed £**	**PLUS £**
04580	09580	305mm offset	310	6.4	46.49	54.68
Product Code Primed	**PLUS**	**X**	**A**	**Wt**	**65 mm dia Primed £**	**PLUS £**
04567	09567	380mm offset	337	4.5	54.30	64.52
Product Code Primed	**PLUS**	**X**	**A**	**Wt**	**75 mm dia Primed £**	**PLUS £**
04574	09574	380mm offset	330	6.4	54.30	66.46
Product Code Primed	**PLUS**	**X**	**A**	**Wt**	**100 mm dia Primed £**	**PLUS £**
04581	09581	380mm offset	340	6.8	74.13	86.94
Product Code Primed	**PLUS**	**X**	**A**	**Wt**	**65 mm dia Primed £**	**PLUS £**
04568	09568	455mm offset	381	5.9	63.58	75.01
Product Code Primed	**PLUS**	**X**	**A**	**Wt**	**75 mm dia Primed £**	**PLUS £**
04575	09575	455mm offset	360	6.8	63.58	75.01
Product Code Primed	**PLUS**	**X**	**A**	**Wt**	**100 mm dia Primed £**	**PLUS £**
04582	09582	455mm offset	365	7.7	91.85	105.04

Dimensions mm Weight kg *Prices listed are excluding VAT.*

Round Pipes & Fittings

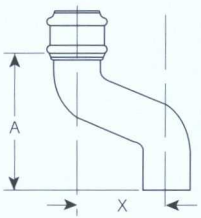
A592 Branches



92.5° Branch

Product Code Primed	PLUS	Dia	A	B	C	Wt	Price £ Primed	PLUS
04555	09555	65 x 65	209	150	79	3.0	25.63	31.52
04558	09558	75 x 75	222	159	82	4.0	28.25	34.44
04561	09561	100 x 100	264	190	95	5.9	32.93	40.33
112.5° Branch								
04556	09556	65 x 65	197	130	80	3.0	25.63	31.52
04559	09559	75 x 75	191	120	80	3.5	28.25	34.44
135° Branch								
04557	09557	65 x 65	238	133	110	3.3	25.63	31.52
04560	09560	75 x 75	223	115	120	3.6	28.25	34.44

A594 Offset

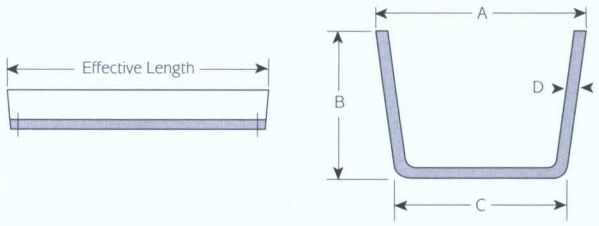


Product Code Primed	PLUS	X	A	Wt	65 mm dia Primed £	PLUS £
04562	09562	75mm offset	191	2.3	19.96	25.63
Product Code Primed	**PLUS**	**X**	**A**	**Wt**	**75 mm dia Primed £**	**PLUS £**
04569	09569	75mm offset	200	2.7	19.96	25.63
Product Code Primed	**PLUS**	**X**	**A**	**Wt**	**100 mm dia Primed £**	**PLUS £**
04576	09576	75mm offset	245	5.3	37.65	45.68
Product Code Primed	**PLUS**	**X**	**A**	**Wt**	**65 mm dia Primed £**	**PLUS £**
04563	09563	115mm offset	210	2.6	19.96	25.63
Product Code Primed	**PLUS**	**X**	**A**	**Wt**	**75 mm dia Primed £**	**PLUS £**
04570	09570	115mm offset	216	2.7	19.96	25.63
Product Code Primed	**PLUS**	**X**	**A**	**Wt**	**100 mm dia Primed £**	**PLUS £**
04577	09577	115mm offset	235	235	38.38	45.68

Dimensions mm Weight kg *Prices listed are excluding VAT.*

Box Gutters & Fittings

G860 Gutter

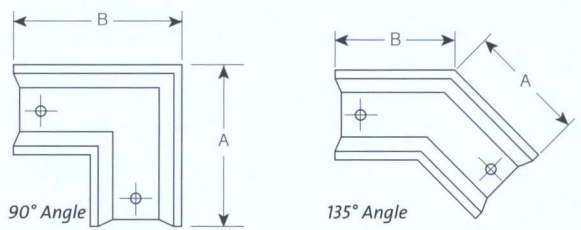


Effective Length 1830

Product Code	Size	A	B	C	D	Wt	Price £
04834	100 x 75	110	80	85	4	14.0	70.00

G861 Angle 90°

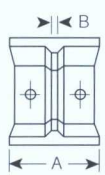
G862 Angle 135°



90° Angle

Product Code	Size	A	B	Wt	Price £
04813	100 x 75	200	200	2.4	27.96
135° Angle					
04812	100 x 75	145	145	2.2	27.96

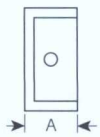
G863 Union Clip



Product Code	Size	A	B	Wt	Price £
04814	100 x 75	115	6	1.3	7.36

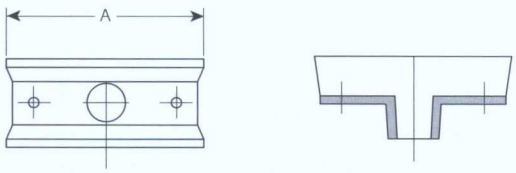
Dimensions mm Weight kg *Prices listed are excluding VAT.*

G864 Stop End (Internal)



Product Code	Size	A	Wt	Price £
04815	100 x 75	55	0.7	5.82

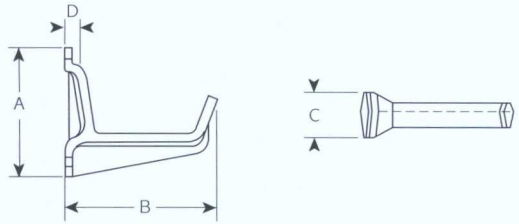
G866 Nozzle



Product Code	Size	Outlets Available	A	Wt	Price £
04816	100 x 75	65	245	2.1	27.96
04817	100 x 75	75	245	2.1	27.96
04818	100 x 75	100 x 75*	245	2.2	27.96

Rectangular outlet to suit pipe and fittings on pages 24 to 29.

G869 Cast Iron Fascia Bracket

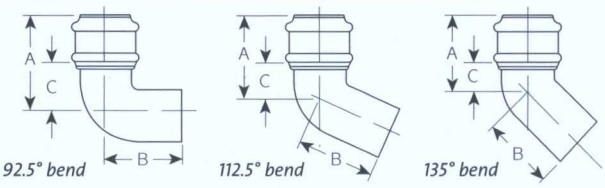


Product Code	Size	A	B	C	D	Wt	Price £
04935	100 x 75	100	130	50	15	0.5	5.54

Dimensions mm Weight kg

Prices listed are excluding VAT.

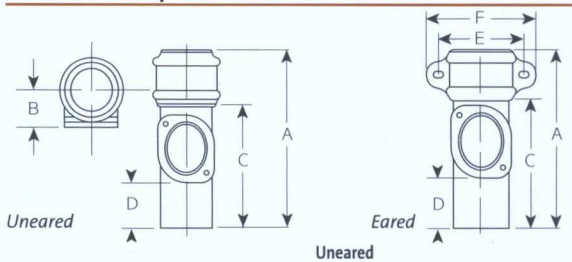
A591 Bends



92.5° Bend

Product Code Primed	Product Code PLUS	Dia	A	B	C	Wt	Price £ Primed	Price £ PLUS
04546	09546	65	140	140	77	1.9	13.04	17.80
04549	09549	75	146	146	83	2.6	15.83	20.98
04552	09552	100	175	175	96	4.3	22.36	28.37
112.5° Bend								
04547	09547	65	121	121	58	1.9	13.29	17.80
04550	09550	75	124	124	58	2.3	15.83	20.98
04553	09553	100	140	140	70	3.8	22.36	28.37
135° Bend								
04548	09548	65	108	108	45	1.6	13.04	17.80
04551	09551	75	111	111	48	1.9	14.94	19.97
04554	09554	100	135	135	50	2.9	32.82	40.21

A590 Access Pipe with or without ears



Uneared

Product Code Primed	Product Code PLUS	Dia	A	B	C	D	Wt	Price £ Primed	Price £ PLUS
04544	09544	65	181	55	190	70	2.4	33.19	40.62
04545	09545	75	203	62	215	75	3.4	34.85	42.52
04923	09923	100	318	58	232	92	4.89	62.08	73.39

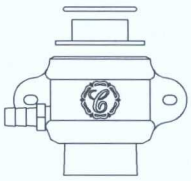
NEW

Eared

Product Code Primed	Product Code PLUS	Dia	A	B	C	D	E	F	Wt	Price £ Primed	Price £ PLUS
09408	09410	65	181	55	190	70	111	150	2.9	47.98	57.32
09409	09411	75	203	62	215	75	130	162	3.8	49.77	59.98
04924	09924	100	318	58	232	92	158	190	5.54	70.02	87.04

NEW

A593 Rainwater Diverter Kit



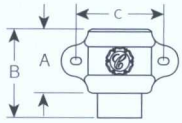
Suitable for 65mm and 75mm down pipes. Sold in kit - including tank connector, nozzle/collector pipe packed in a bag with fixing instructions (See page 16).

Product Code Primed	Product Code PLUS	Dia	Wt	Price £ Primed	Price £ PLUS
09364	09366	65	1.6	25.25	31.84
09365	09367	75	1.8	25.25	31.84

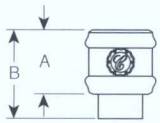
Round Pipes & Fittings

A586 Socket Loose with or without ears

Eared



Uneared



Eared

Product Code Primed	PLUS	Dia	A	B	C	Wt	Price £ Primed	PLUS
04537	09537	65	79	109	111	1.4	8.55	12.95
04538	09538	75	82	112	130	1.5	8.55	12.95
04539	09539	100	86	116	158	2.3	11.55	16.32

Uneared

04920	09920	65	79	109	–	0.9	6.37	10.45
04921	09921	75	82	112	–	1.1	6.37	10.45
04922	09922	100	86	116	–	1.3	9.18	13.63

A548 Wall Bracket in Galvanised Steel

Product Code Galvanised	PLUS	Dia	Wt	Price £ Galvanised	PLUS
09111	09377	65	–	7.47	9.79
09112	09378	75	–	7.50	9.84
09113	09379	100	–	7.60	9.94



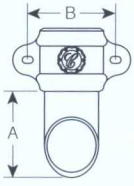
NEW

A549 Drive-in Spike

Product Code	Dia	Wt	Price £
09320	65	–	2.80
09321	75	–	2.80



A588 Shoes with or without ears



Eared

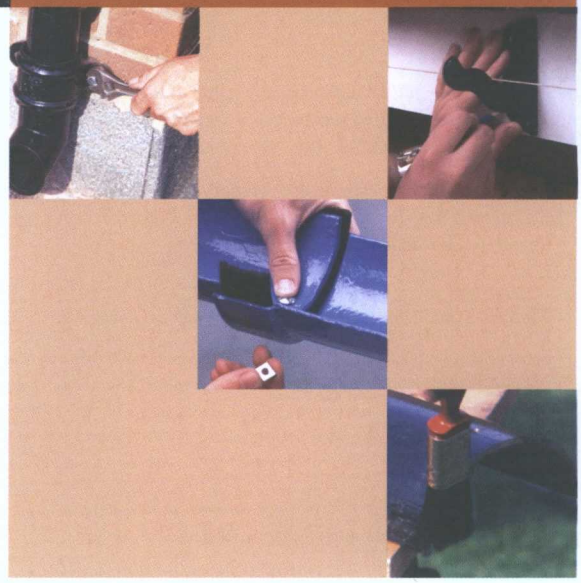
Product Code Primed	PLUS	Dia	A	B	Wt	Price £ Primed	PLUS
04540	09540	65	118	111	2.3	21.30	27.14
04541	09541	75	127	130	2.8	21.30	27.14
04542	09542	100	180	158	4.8	28.28	34.48

Uneared

04928	09928	65	118	–	1.8	18.47	23.96
04929	09929	75	127	–	2.2	18.47	23.96
04543	09543	100	180	–	3.8	24.89	31.22

Dimensions mm Weight kg *Prices listed are excluding VAT.*

Installation Guide



Installation Advice	58
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Jointing	62
Classical Express/Clip Assembly	64
Drilling & Cutting Gutters	65
Pipe Installation	66
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Finishing	71
Maintenance	72



Installation Advice

GENERAL

When working on gutters or fascias at height it is advisable to use scaffolding in preference to ladders. If you are using a ladder please take the following points into consideration: (These points are for guidance only)

1. Ensure the ladder is based on level ground, preferably not soil or grass. If the ladder is based on soil or grass then place a board beneath the legs to spread the load and prevent sinking.

2. If possible, tie the top of the ladder to ring bolts at eaves level.

   Before fitting pipes/gutters, ensure that all pieces have been primed and painted, including all cut ends to prevent corrosion. If any pipes/gutters have been cut/drilled, ensure that there are no loose filings on the system as these will quickly discolour the product.

3. We strongly recommend that you do not work alone. Removal and installation of cast iron guttering generally requires two people.

   Before replacing an existing system it is advisable to inspect and repair fascia and wall faces before beginning a new installation. All fascias must be in good condition before new guttering is installed as the weight of the cast iron gutters could cause rotten fascias to fall causing damage or injury to property or persons below.

If the building does not have fascia boards, contact your local builders merchant for advice on suitable support brackets, or contact our Technical Advisory department on **01952 262529.**



A585 Pipe with ears

Eared



Eared

Product Code		Length	ø 65	Price £	
Primed	PLUS		Wt	Primed	PLUS
04532	09532	1830	10.3	43.69	63.17

Product Code		Length	ø 75	Price £	
Primed	PLUS		Wt	Primed	PLUS
04534	09534	1830	12.5	43.69	63.17

Product Code		Length	ø 100	Price £	
Primed	PLUS		Wt	Primed	PLUS
04536	09536	1830	16.0	58.67	80.11

A585 Pipe barrels

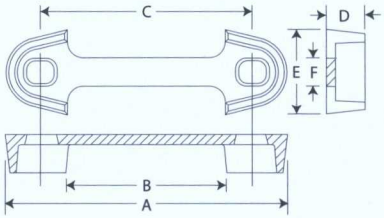


Product Code		Length	ø 65	Price £	
Primed	PLUS		Wt	Primed	PLUS
04917	09917	1750	9.0	35.00	49.39

Product Code		Length	ø 75	Price £	
Primed	PLUS		Wt	Primed	PLUS
04918	09918	1750	11.0	35.00	49.39

Product Code		Length	ø 100	Price £	
Primed	PLUS		Wt	Primed	PLUS
04919	09919	1750	14.0	46.67	60.95

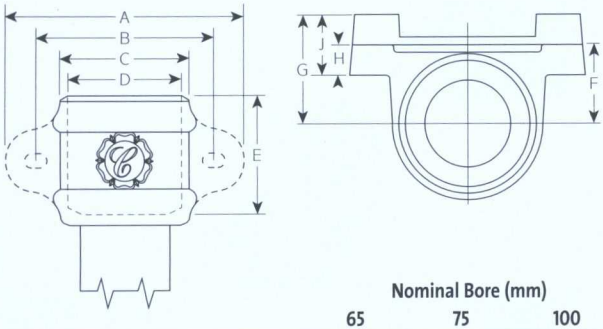
A584 Cast iron wall space plates



Product Code		Dia	A	B	C	D	E	F	Wt	Price £	
Primed	PLUS									Primed	PLUS
04914	09914	65	148	85	111	20	42	15	0.2	5.20	7.40
04915	09915	75	158	94	130	20	43	15	0.3	5.30	7.52
04916	09916	100	187	120	158	20	45	20	0.4	5.37	7.61

Dimensions mm Weight kg *Prices listed are excluding VAT.*

A585 Pipe



	Nominal Bore (mm)		
	65	75	100
Pipe			
Internal dia	60	73	99
External dia	67	79	105
Section thickness	3	3	3
Socket			
A Ears over all	150	162	191
B Hole centres	111	130	158
C External dia	81	93	120
D Internal dia	72	86	112
E Internal depth	76	77	83
F Back of ear to centre of pipe	47	53	66
G Ditto – including wall spacer plate	67	73	86
H Ear thickness	20	20	20
J Ear thickness with wall spacer	40	40	40

A585 Pipe without ears

Uneared



Uneared

Product Code Primed	PLUS	Length	ø 65 Wt	Price £ Primed	PLUS
04531	09531	1830	10.0	40.89	60.01
*04531D	–	1830	11.4	49.46	–

Product Code Primed	PLUS	Length	ø 75 Wt	Price £ Primed	PLUS
04533	09533	1830	12.1	40.89	60.01
*04533D	–	1830	12.8	49.46	–

Product Code Primed	PLUS	Length	ø 100 Wt	Price £ Primed	PLUS
04535	09535	1830	15.5	55.83	76.91

Dimensions mm Weight kg
** Double Socket Pipes Uneared*

Prices listed are excluding VAT.

EQUIPMENT REQUIRED

TOOLS

- Drill
- Adjustable Spanner
- Wirebrush
- Pencil/Marker
- Scaffold
- Scraper
- Tape Measure
- Screwdriver
- Hacksaw – Disc Cutter
- Plumbline
- Ladder
- Paint Brush
- Spirit Level

MATERIALS

- Classical gutters and rainwater fittings etc.
- Paint - metal primer, undercoat, topcoat, touch-up paint if installing PLUS (see page 71)
- Mastic Sealant – low modulus (suitable for overpainting) or Gutter Jointing Kits to suit HR Profile (see page 62)
- Setscrews and Nuts (gutter bolts 6mm x 25mm long)
- Wall Anchors – for pipe sockets (50-75mm min. length)
- Lead strips – to wedge in sockets
- Round headed woodscrews (5mm x 25mm long) for fixing brackets to fascia boards



Gutter Installation



STEP 1
Identify route which rainwater will take.

STEP 2
Locate gully/connection to drain and position outlet, taking into account offset projection. (Fig. 1)

STEP 3
Approximately 75mm – 100mm from the end of the run fit a bracket, taking into account the fall down to the outlet.

Note: For other brackets see "General Notes" (Page 58).

STEP 4
Ensure brackets are installed so that centre of gutter is beneath the tile edge. (Fig. 4)

See installation advice, general re: Fascia Board (Page 58).

STEP 5
Position gutters loosely within brackets and assess installation for fall and offset position to rainwater pipe.
Make adjustments as required. (Fig. 5)

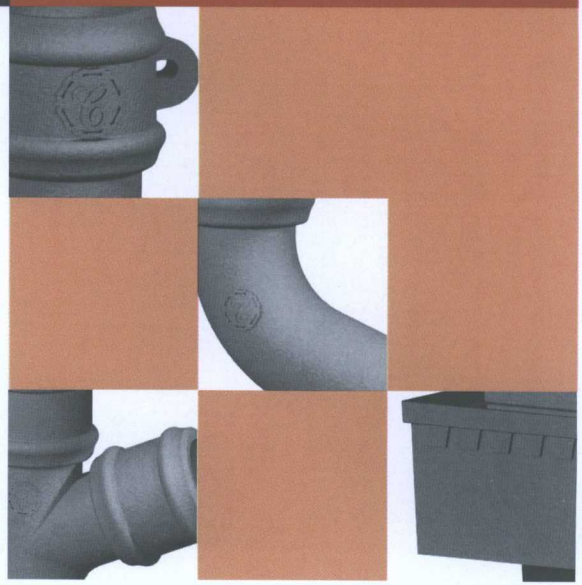
Fix the remaining gutter brackets at maximum centres of 900mm (more frequently in areas prone to high snowfall) along the fall line (as shown in Fig. 2).

Additional brackets should be fitted at a maximum of 150mm from angles and outlets (as shown in Fig. 3). Brackets should be fixed using corrosion resistant wood screws 5mm x 25mm round or pan headed.

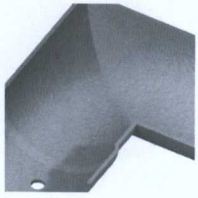
Use plumbline or string for alignment when bracketing.

Please Note: When using OG and moulded profiles, we recommend that fascia brackets are used wherever possible.

Product Range



Round Pipes & Fittings	18
Rectangular Pipes & Fittings	24
Rainwater Heads	30
Half Round Gutters & Fittings	32
Deep Half Round Gutters & Fittings	38
Beaded Half Round Gutters & Fittings	41
NEW Classical Express Gutters & Fittings	44
Moulded No. 46 Gutters & Fittings	46
Ogee Gutters & Fittings	49
Notts Ogee Gutters & Fittings	52
Box Gutters & Fittings	55



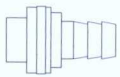
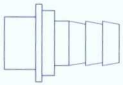
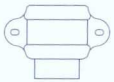
Rainwater Diverter Kit

The Classical range now includes a Rainwater Diverter in cast iron, enabling homeowners to utilise natural resources effectively, and save money on their water bills.

The Rainwater Diverter is obtainable in kit format in sizes 65mm and 75mm diameter in standard primer or PLUS finish for installing into a new or an existing system.

Complete with all connecting plugs and a tube to connect to most water butts, the diverter mechanism fits inside a standard eared loose socket (A586), and is bag packed, with a step by step instruction installation guide.

Diverter Kit Contents

	Tank Connector		Triangle Spacer
	Nozzle		Collector Pipe
	Collector		Eared Socket A586

Supplied in a bag with fixing instructions.



Water butt not included.



Eared socket supplied drilled to accommodate connecting nozzle.

Fig. 1

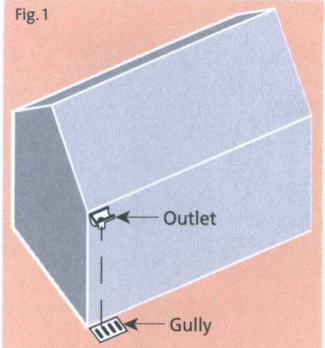


Fig. 2

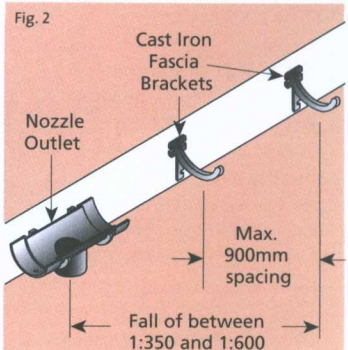


Fig. 3

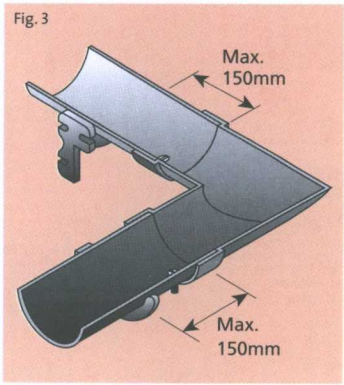


Fig. 4

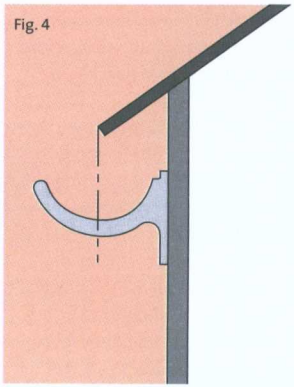
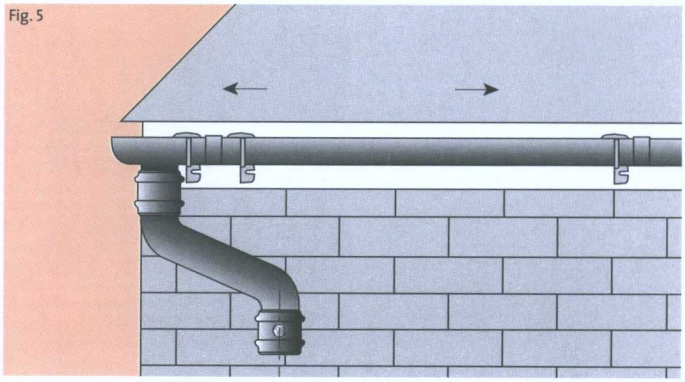
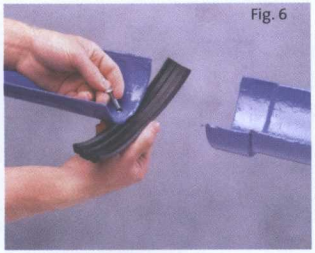


Fig. 5



HALF ROUND PROFILE

If installing Half Round Profile Gutters, The **New Cast Iron Jointing Kit** (Product Code 09027) can be used as an alternative to the traditional method. Kit contains enough materials to seal 20 Half Round Gutter Joints (and is suitable for the 100, 115 and 125mm HR sizes. For 150mm HR , see Fig. 10).


Fig. 6

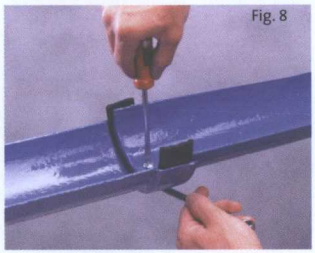
1. Push screw through spigot of gutter or fitting and then through the hole in the gasket material. The hole in the gasket is a tight fit and will locate on the screw while the joint is being made. (Fig. 6)



2. Locate the screw, seal and spigot of the gutter or fitting into the socket of the gutter or fitting and fix square nut to the end of the screw. (Fig. 7)


Fig. 7

3. Ensure the seal is sitting squarely in the socket and tighten the nut on the screw. (It may be necessary to hold the screw with a screw driver as the seal is compressed. (Fig. 8)


Fig. 8

4. Trim excess rubber at the edge of the joint with a sharp bladed knife. (Fig. 9)

5. Paint gutters, joint and screws as per Installation Guide.

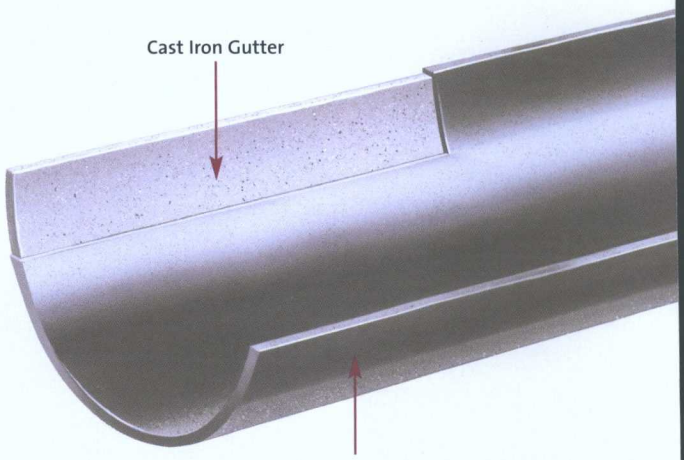
The new Classical Gutter Jointing System has been designed to satisfy the requirements of the latest BS460 draft standard.


Fig. 9

Installation Advice for Classical PLUS

- Product is supplied wrapped to protect from physical damage. Care should be taken when handling
- Install as normal Classical *(see installation guidance from page 60)*
- After installation, it is important that any slight installation damage to the coating is repaired with the appropriate quick drying touch up paint and that any cut pieces are also primer coated and top coated

	Product Code	Price £
0.5 litre tin Primer	**09680**	**15.19**
0.5 litre tin Top Coat	**09681**	**15.19**



PLUS Coating
High performance semi-gloss black finish – Polymer
Average thickness 200 microns

RAL 9005 700

NEW Classical PLUS colour options

The Classical Plus range can now be supplied in a range of colour options, see chart below. Prices are on application and available on a made to order basis.

536 | RAL 3020 233 | RAL 7016 640

838 | RAL 6005 475 | RAL 3009 813

Please note: Actual RAL colours when applied to the product may vary from these representations.

Classical PLUS



Available on OG gutter profile from December 06

Classical PLUS

Pre-painted, ready-to-install, cast iron rainwater systems in a semi-gloss, black finish!

- **Cast iron system with factory-applied finished coating**
- **In 'half round' gutters and round downpipes**
- **Needs no extra labour (No undercoating or topcoating needed prior to installation)**
- **Cuts total installation time to a minimum**
- **Durable, longlasting, even finish**
- **Cost effective against powder- coated cast aluminium**
- **Minimal maintenance, life expectancy of coating in excess of 15 years (subject to installation in accordance with our instructions)**

Classical PLUS Benefits

- Finished coated product. Does not require additional labour time for under coating and top coating prior to installation
- Tested to 1000 hours salt spray and ultra violet resistance
- Reduces the time and cost for scaffolding which may have to be hired
- Reduces the total installed time by up to 60%
- The coatings are factory applied to a consistent standard
- When used with gutter jointing kits installation can be completed in one day

BEADED HALF ROUND, DEEP HALF ROUND, MOULDED NO.46, OG, NOTTS OG AND BOX PROFILE

- Gutter sockets should be joined to spigots with a specialist rubberised bitumen gutter sealant or a low modulus silicon sealant, then fixed with a corrosion resistant round/ pan head setscrew and nut, M6 x 20mm long. (Fig. 10)

Spread sufficient sealant within the socket, applying additional sealant under the head of the setscrew, when bringing the parts together. The nut should then be finger tightened. Any excess that appears should then be removed. Allow the sealant to 'cure' and then tighten the nut and bolt. Do not over-tighten as this could damage the gutter. (Fig. 11)

Repeat this procedure for all joints.

Fig. 10

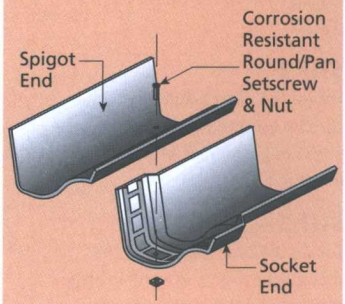
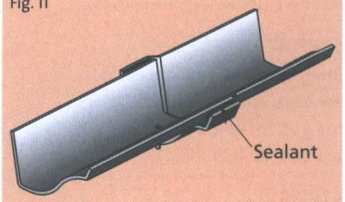
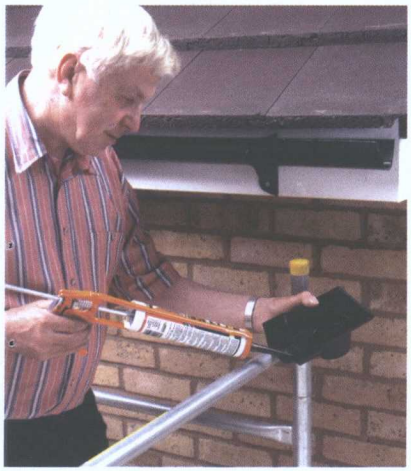


Fig. 11





See notes regarding replacement gutters.

Note: Before installing gutters and fittings, ensure that all pieces have been suitably painted. See painting finish methods.2

If any gutters have been cut, ensure that there are no loose filings on the system as these will quickly discolour the product.

CLIP ASSEMBLY

STEP 1
Slacken bolt to the fullest extent (Fig. 12).

STEP 2
Locate the gasket centrally within the clip assembly ensuring the seal ends are positioned within the locating lugs (Fig. 13).

STEP 3
Locate the black section on the rear gutter edge and ensure clip is positioned equal distant to each end of the gutter. Note: In the case of fittings, use the joint location lugs as a guide (Fig. 14).

STEP 4
Bring the front section forwards and clips onto the front edge of the gutters. Re-check the position and bolt up tight (Fig. 15).

STEP 5
Typical appearance of assembled joint (Fig. 16).

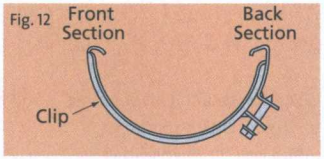
Fig. 12


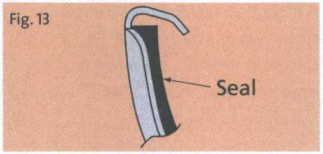
Fig. 13


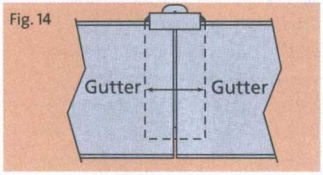
Fig. 14


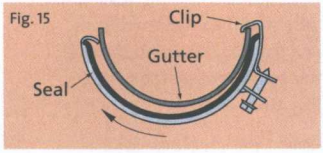
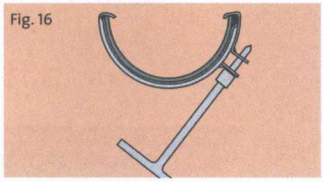
Fig. 15


Fig. 16


Classical EXPRESS Benefits

- True half round profile gives significantly higher flow rates than traditional half round
- System able to cope with increased rainfall attributed to climate change
- Joint can be completed in a matter of minutes and in any weather condition
- Reduces the time and cost for scaffolding which may have to be hired
- Reduces the total installed time
- Double spigoted design means fewer fittings so ordering, delivery, and stocking are much simpler
- Competitively priced against other metal systems
- Lower cost than existing 125mm and 150mm half round profiles.

Classical EXPRESS Clip Assembly Instructions

Step 1
Slacken bolt to the fullest extent

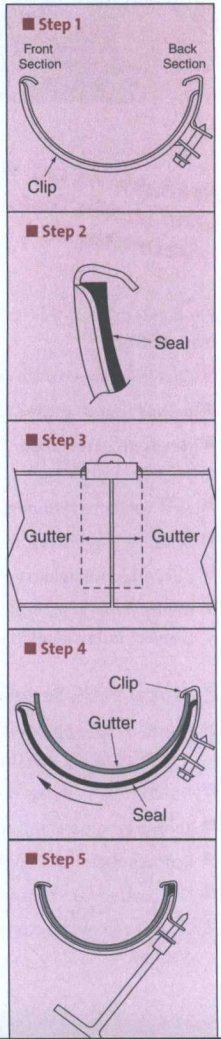
Step 2
Locate the gasket centrally within the clip assembly ensuring the seal ends are positioned within the locating lugs

Step 3
Locate the back section on the rear gutter edge and ensure clip is positioned equal distant to each end of the gutter.

Note: In the case of fittings, use the joint location lugs as a guide.

Step 4
Bring the front section forwards and clip onto the front edge of the gutters. Re-check the position and bolt up tight.

Step 5
Typical appearance of assembled joint.



Classical Express



NEW Classical EXPRESS

A true 'half round' gutter profile with increased flow rates over existing half round – and a unique jointing clip making installation easier than ever!

- **Fast, clean and easier to install**
- **Unique jointing clip enables joint to be completed in only minutes – in any weather!**
- **Drastically reduces installation times**
- **Use with existing 75mm Classical round downpipes**
- **Available in 125mm – flow capacity 1.5 litre per second**
- **Higher flow capacity than existing 125mm or 150mm 'half round'**
- **Cost effective against cast aluminium**
- **Double Spigot design, so fewer fittings required**

Classical EXPRESS Plus

- The Classical Express system is available in the factory applied top coat – (semi gloss black) for immediate installation.

(See page 15 for coating details).

Drilling & Cutting Gutters

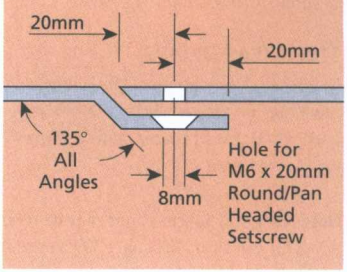
DRILLING GUTTERS

Hole size is 8mm (5/16") and should be positioned centrally 20mm from the spigot of the gutter (Fig. 17).

The hole in a fitting socket will provide a useful template.

We recommend the use of tungsten tipped drills.

Fig. 17

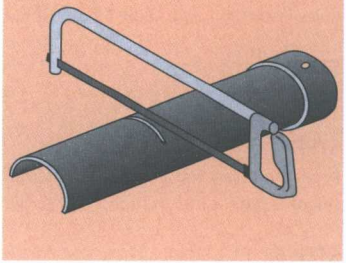


CUTTING

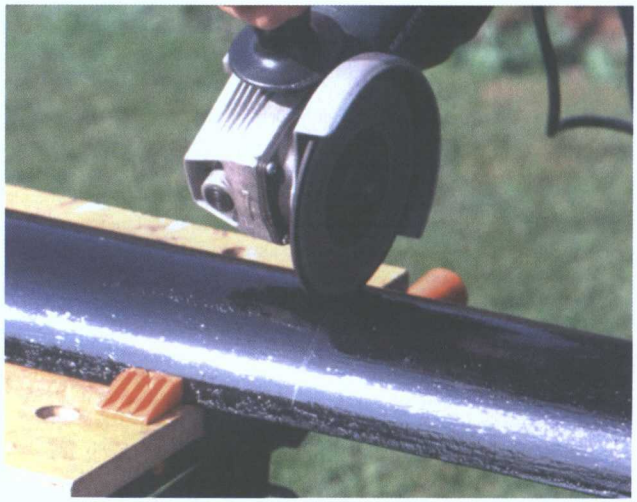
Gutters can be cut using a hacksaw, the blade should be tungsten tipped with 50 teeth per inch.

A powered saw or disc cutter can be used.

Fig. 18



Note: Please observe the necessary safety precautions recommended by the tool manufacturer.



Pipe Installation (Bottom up)

STEP 1
Using plumbline from centre of nozzle / offset, determine position of shoe or connection to drain. (Fig. 19)

STEP 2 (EARED PIPE)
Determine the position of the fixings and drill suitable holes to take rawlplugs or anchors. 8mm x 50mm min. non corrosive fixing should be used without wall spacer plate, 8mm x 75mm min. non corrosive fixing with wall spacer plate. (Fig. 20)

Note: Cast Iron Spacer plates may be required if wall is uneven and will also allow for easier maintenance. These should be fixed with the flat back plate to the back of the pipe ear.

STEP 3
The pipe spigot is offered into the shoe socket and positioned in line with the plumbline, hole centres are then marked through centre of elongated holes in ears, this will allow for adjustment. (Fig. 21)

STEP 4
Drill and fix as shoe.

STEP 5
Repeat until last full length is fixed, ensuring in each case that the pipe spigot is fully seated in supporting socket.

STEP 6
The last pipe length should be measured from the internal base of the socket to the underside of the gutter nozzle (A), or to the spigot of the offset (B), remembering to include the depth of socket in overall length. (Fig. 22)

STEP 7
Cut pipe to length allowing 5mm for clearance on length and fix as previously described.
Note: It may be necessary to lift gutter to locate nozzle in the pipe socket.

STEP 8
Finally, to centralise and secure pipe joints, use wedges made up from sheet lead cut into 30mm strips, rolled and tapped, between socket and pipe. This should be inserted in 3 places to avoid any rattle. (Fig. 23)

UNEARED PIPE FIXING
These can be fixed using a drive in spike (tradename, Holdfast), wrought iron or galvanised mild steel. (Fig. 24)

A wall fixing bracket made in galvanised mild steel can also be used by drilling suitable holes and inserting rawlplugs to take 50mm (depth) screw. The bracket will then be located to the back plate supplied. (Fig. 25)

Note: For rectangular pipes, a cast iron decorative ear band can be supplied by Saint-Gobain Pipelines for fixing pipes to the wall.



Notts. Ogee
A deep Ogee profile, which as the name suggests, is predominantly used in the Nottingham area, after being designed especially for Nottingham Corporation in the early part of this century. The only available size is 115mm (4½"), having outlets for 65mm (2½") and 75mm (3") round downpipes.



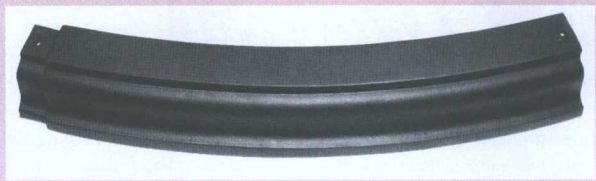
Box
Square section gutter with a high capacity which is mainly used on commercial properties. It is particularly in keeping with 100mm x 75mm (4" x 3") rectangular downpipes. It has outlets for 65mm (2½") and 75mm (3") round downpipes and 100mm x 75mm (4" x 3") rectangular downpipes.

All gutters are available in 1830mm (6') lengths only.

Special Castings
Saint-Gobain Pipelines have the capability to provide replica castings made from existing iron fittings, and the ability to modify angle fittings to suit particular needs.

Due to the nature and variety of specials, each casting is quoted on a job basis.

Contact your local representative or fax your enquiry on 01952 262555.



Example of special casting: 125mm x 100mm (5" x 4") x 0.9m (3') radius curve Moulded No. 46 Gutter.

Downpipes

Round
By Far and away the most popular type of downpipe and is used on almost all houses and buildings. Available in nominal diameters; 65mm (2½"), 75mm (3") and 100mm (4"), available in 1830mm (6') lengths only, with or without fixing ears.

Rectangular
A high capacity downpipe which is found on many old commercial and religious buildings. Due to its shape it is still made by hand and retains all the charm and character found in product made over one hundred years ago.

The rectangular product is available in 100mm x 75mm (4" x 3") size.

Product Information

There are eight Classical gutter systems; four half round profiles – Half Round, Deep Half Round, Beaded Half Round and the new Classical EXPRESS true half round profile, three decorative profiles Ogee, Notts. Ogee and Moulded No. 46 and the square profile Box gutter. There are also 2 rainwater downpipe systems available, Round and Rectangular.

All Rainwater gutter systems are supplied in either a black primer coating ready for on-site painting or with a black semi-gloss top coat.

Gutter Profiles



Half Round
Primarily for use as a domestic gutter system and incorporating four nominal half round sizes: 100mm (4"), 115mm (4½"), 125mm (5") and 150mm (6"). The system has outlets to fit 65mm (2½") 75mm (3") and 100mm (4") round downpipes.

The 150mm gutter has a large capacity which makes it suitable for large roofs and commercial applications.



Deep Half Round
This large capacity gutter is available in two sizes: 100mm x 75mm (4" x 3") and 125mm x 75mm (5" x 3") and has outlets to fit 65mm (2½") and 75mm (3") round downpipes. The high capacities of both of these sizes makes them suitable for large roof areas.



Beaded Half Round
A domestic gutter system which has traditionally been popular in Scotland and Northern England. Available in three nominal half round sizes: 100mm (4"), 115mm (4½") and 125mm (5"), the system has outlets fitting to 65mm (2½") and 75mm (3") round downpipes.



NEW Classical EXPRESS
A true 'half round' gutter profile with increased flow rates over existing half round. Available in 125mm (5") for use with existing 75mm (3") round downpipes.



Moulded No. 46
A deep Ogee style profile which was popular on Victorian and Georgian houses. It is available in two sizes: 100mm x 75mm (4" x 3") and 125mm x 100mm (5" x 4") and has outlets to fit 65mm (2½"), 75mm (3") and 100mm (4") round down pipes and 100mm x 75mm (4" x 3") rectangular down pipes. The high capacity of the 125mm x 100mm (5" x 4") gutter makes it particularly suitable for larger roof areas. 150mm x 100mm (6" x 4") size available on request.



Ogee
Traditional Ogee profile which was popular in the south and south east of England, especially in Victorian and Georgian times. Available in three sizes: 100mm (4"), 115mm (4½") and 125mm (5"), it has outlets to fit 65mm (2½") and 75mm (3") round downpipes.

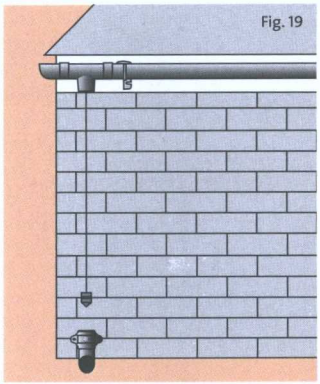


Fig. 19

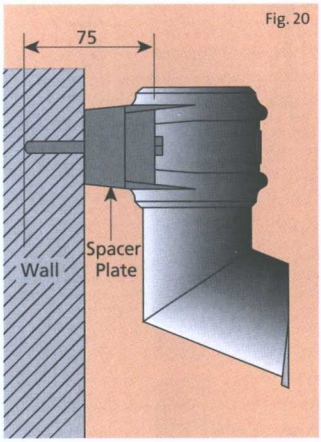


Fig. 20

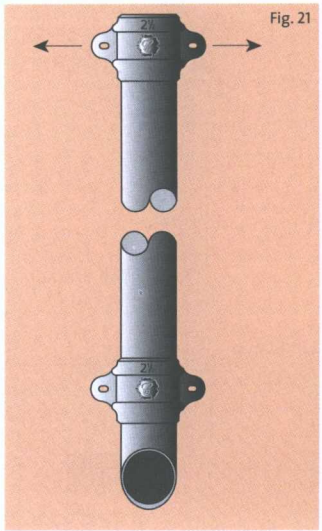


Fig. 21

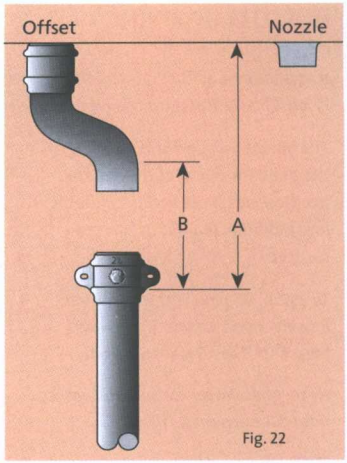


Fig. 22

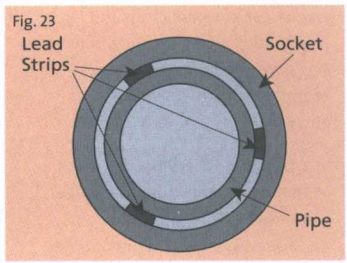


Fig. 23

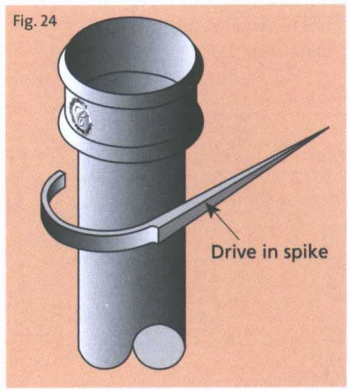


Fig. 24

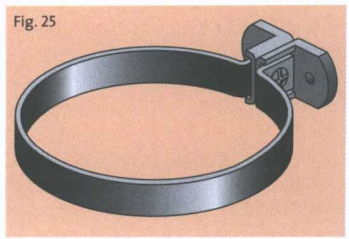


Fig. 25

Loose Socketed Pipe Fixing

BOTTOM UP FIXING

Installation is as for Classical fixed socketed pipe, the loose socket, however, is loosely inserted into the pipe before establishing fixed centres.

The socket will perform without the need for filling in the vertical position, but if preferred a suitable low modulus sealant or filler can be used.

To establish pipe length required, loosely insert socket and follow Step 6 in Fixed Socket Section.

Note: Allowances for socket depths, refer Dimension A. (Fig. 26)

Note: When cutting pipe to length, ensure cut ends are clean and square to give a neat appearance. Any gaps can be filled using a proprietary mastic filler for external use.

In a situation where the connection at the base of the rainwater stack runs into the drain inlet, a galvanised steel wall fixing bracket or eared access pipe (100mm only) will be required to retain pipe barrel. (Fig. 27)

Fig. 26

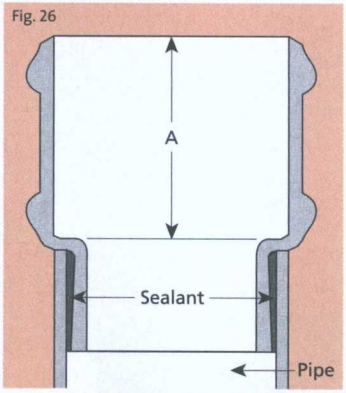
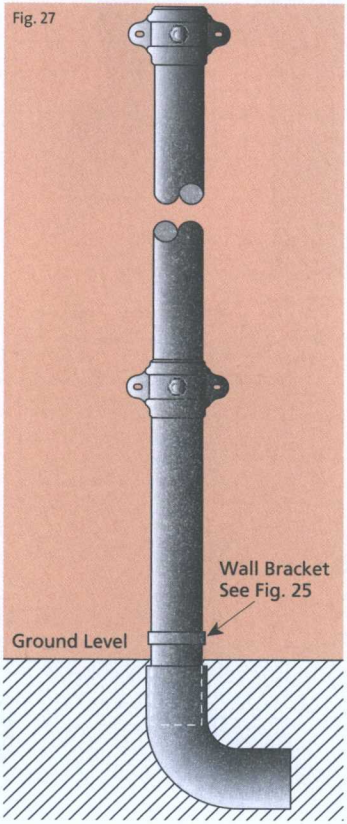


Fig. 27



Spigot pipes/loose socket option

To increase the flexibility of installing the Classical circular downpipes, plain ended pipe barrels (1750mm length) are available to use with the new rainwater socket. This will allow the installer to utilise more effectively, pipe offcuts and save cost on reduced wastage. This option also provides the installer the flexibility to work bottom up or vice versa.

Cast iron spacer plates

Available to suit the eared circular downpipes, the cast iron spacer plate is used to position the pipe away from the wall to accommodate uneven wall surfaces and assist in painting after installation. The spacer plates will equal the life expectancy of the system and complements the installation.

Coating/colour

- Classical is available either with black primer coating or factory applied top coat.
- Reduces number of paint finishing systems on-site.
- Reduction in time and cost of installation.
- Colour of finished product predominantly black.

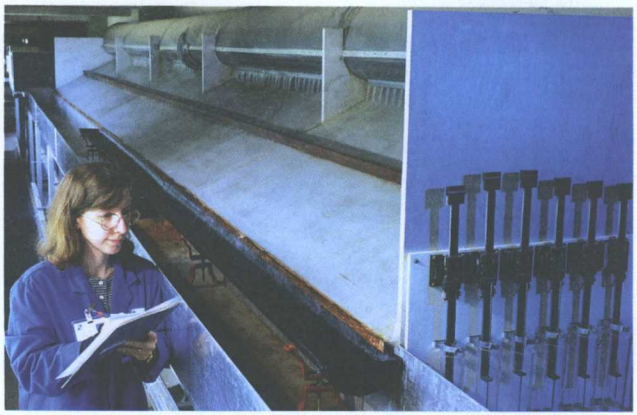
Extensive range

The Classical range of cast iron rainwater systems offers eight gutter profiles a choice of round and rectangular pipes with extensive ranges of associated fittings to suit any building whatever the architectural style.

Design

All the Classical standard HR gutters have undergone hydraulic testing (HR Wallingford) to establish actual capacity, capabilities and performance.

Circular downpipes incorporating the new socket design have also been assessed in conjunction with gutters.



Benefits of Classical

Quality downpipes

Classical rainwater downpipes (circular) are produced using the latest pipe manufacturing technology – centrifugally spinning the pipe ensuring consistent section dimensions, unlike that of pipes produced by the traditional sand cast method, which is prone to produce pipe with 'thick' and 'thin' spots making the pipe inherently weaker.



NEW Classical PLUS

A new pre-painted, ready to install cast iron rainwater systems in a semi-gloss black finish, saving both time and materials. (*See page 14*).

NEW Classical EXPRESS

A true half round gutter profile with increased flow rates – over existing half round. A unique Jointing Clip making installation easier than ever. (*See page 12*).

New cast iron jointing kit

A rubber gasket jointing kit for use with G800 HR gutters enabling quicker and cleaner installation when compared to the traditional mastic/putty method. (*See page 62*).

Rainwater socket

- Elongated fixing holes.
- Drip grooves – will encourage rainwater to run down rainwater pipe away from wall, avoiding staining of wall.
- Recessed ear piece – eliminates ponding of water at back of socket.
- Internally Profiled.
- Increased spigot length – improves location within pipe when used in loose situation.
- Guaranteed joint integrity.
- Now customised.

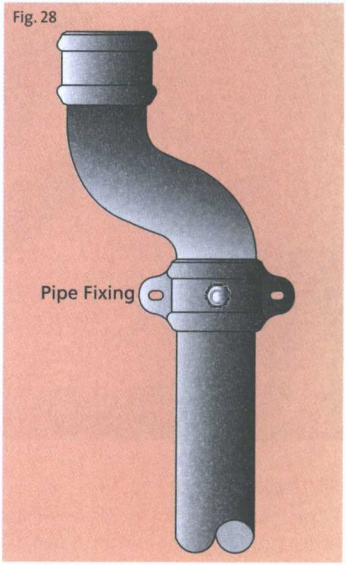
TOP DOWN FIXING (FIXED SOCKET)

This is the reverse procedure to the previous section. The first pipe to be fixed is positioned and marked relative to the offset/ gutter nozzle. (Fig. 28)

The process is repeated up to the last full pipe length.

The pipe at the base of the stack will have to be cut to length relative to the shoe.

Fig. 28



TOP DOWN FIXING

STEP 1

The loose socket is located and fixed so that it fully supports the offset, or is located beneath the nozzle.

STEP 2

A pipe barrel is then inserted into the inlet of the loose socket.

STEP 3

Both pipe and socket are then offered to the fixed socket spigot ensuring that the pipe end is located to the underside of the fixed socket.

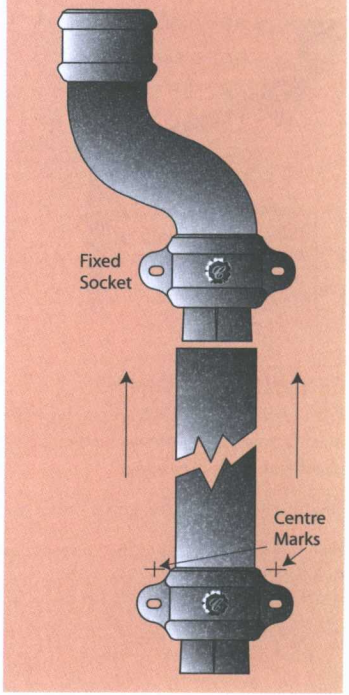
STEP 4

Holes on the loose socket are marked, drilled and socket is then fixed.

STEP 5

This is repeated until stack is completed.

Fig. 29



Offsets & Sealing



MAKING UP OFFSETS

When the projection of the fascia is in excess of 455mm the offset is formed with a pipe offcut, and two 112 1/2 bends (as shown in Fig. 30).

Fig. 30

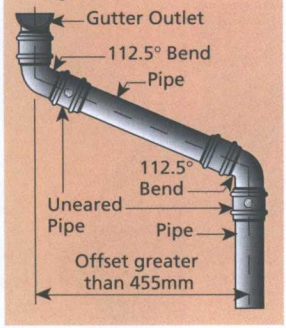
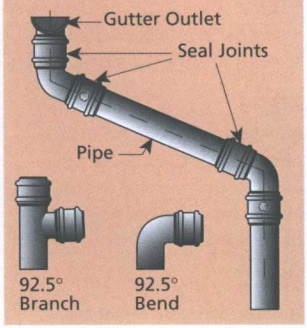


Fig. 31



SEALING PIPE JOINTS

With vertical pipes, joints are usually left unsealed in the sockets so that if any blockages occur the rainwater pipe does not fill up with water to the eaves and create a nuisance.

Only seal joints between gutter outlet and rainwater pipe or offset. (Fig. 31)

Also, any joint which is in the horizontal position such as 90° Branch arms or Bends etc.

Strength

- High resistance to impact (accidental and vandalism) a major consideration for inner cities, town shopping precincts and schools etc.
- Secure against – heavy snow falls and high winds.
- Rigidity to comfortably accommodate the weight of ladders for routine maintenance.
- The physical properties of cast iron will be sustained throughout its life (provided adequately painted and maintained).

Quiet/Noiseless

- Will not rattle in high winds.
- Will not twist/creak due to temperature changes.
- Excellent sound deadening properties – therefore no significant sound of running or dripping water disturbing the peace.

Appearance

- Cast iron has aesthetic charm that simply cannot be matched by other materials.
- Retains and enhances the traditional character of the building.
- Can be painted any colour to match building.
- Enhances perception of the value to the property.
- Many profiles to match all architectural styles.

Longevity

- Naturally durable up to 100 years.
- Cost effective in long term.
- Minimal maintenance: If installed correctly to the manufacturer's recommendations (refer to Installation Guide page 57), cast iron systems should require little structural maintenance throughout their life only periodical painting approximately every 7-10 years (depending on location and climatic conditions).
- Eliminates unnecessary replacement and waste – not adding to landfill, leaving no legacy of waste for future generations.
- Profile designs have changed little over the years. Therefore new components can easily be integrated into existing systems, avoiding costs of complete replacement.



100% recyclable

Why choose Cast Iron?

Planning Policy

The material properties of cast iron have long been recognised and it is these which make it particularly suitable for the rainwater systems of listed buildings and wherever conservation is an issue.

In its Planning Policy Guidance (PPG 15), the Department of the Environment, Transport and the Regions, Department of National Heritage, acknowledges the importance of specifying cast iron replacement of the rainwater systems on such buildings of historical significance ie listed properties or in established areas of conservation.

No other material can match the character, durability, strength or appeal of cast iron and – most importantly – only cast iron can preserve the intentions of the original architect and the aesthetic integrity of the building.

C.24 **External plumbing** External plumbing should be kept to a minimum and should not disturb or break through any mouldings or decorative features. A change from cast iron or lead downpipes to materials such as plastic or extruded aluminium sometimes requires listed building consent and should not normally be allowed.



Finishing

PAINTING/FINISH METHODS

Classical cast iron rainwater systems are supplied in a black primer coating or in "Plus" finish (a semi-gloss, black topcoat) - available on Express and standard HR gutters and fittings and circular downpipes and fittings.

Painting – *(on-site, prior to installation)*
When preparing the pipe, gutter and fittings for the on-site finishes, inspect the products, wire brush and touch up the factory applied primer coating, with a metal primer, (if and where necessary) after first ensuring all surfaces are degreased with thinners and are dust free.

Apply an undercoat (usually 2 coats), before finishing the product with a top coat to suit the building decor. We recommend that only a suitable, good quality paint finish is used to ensure minimal maintenance.

Please note that extra care should be given where cast iron is being installed in exposed coastal areas.

Always consult paint manufacturer's recommendations. Some exterior paints may not be suitable for painting over the water based primer.

Saint-Gobain Pipelines do not accept any responsibility for the performance of any customer applied finished coat systems.

It is the responsibility of the installer/purchaser to examine and repair any coating damage to the factory applied primer coating, before applying further primer, and top coats prior to installation.

CLASSICAL PLUS (Finish Coat)

- Product is supplied wrapped to protect from physical damage
- Install as Classical
- Following installation it is important that any slight installation damage to the coating is repaired with the appropriate quick drying touch up paints available. Product Code 09680 (Primer) and 09681 (Top Coat).



Maintenance

MAINTENANCE

Cast iron rainwater gutter systems are designed and manufactured to give many years of reliable service, but to achieve this, regular inspection and minimal routine maintenance should be carried out including:

1. Annually check and clear the gutter systems & rainwater heads of any leaves and debris that could cause a potential blockage (may require more checks if in close proximity of trees etc).
2. Also inspect the condition of the paintwork at the same time as 1. wiping clean any film built up, to protect the surface finish.
3. Also check on security of fixings and joints.

   If the manufacturers installation and paint suppliers instructions are adhered to re-painting should not be required for approx 5 years or longer. (Unless subject to aggressive atmospheric conditions i.e. coastal towns and providing the integrity of the finish coat is maintained).

CUTTING PIPE

How do you cut a length of cast iron pipe or gutter? With pipe there are three methods.

Firstly the easiest and quickest way is by using a powered disc cutter or metal saw (as shown here Fig. 32).

Secondly, by pipe wheel cutter, which takes slightly more time but gives a neat square edged cut.

Thirdly, by hacksaw, although a tungsten tipped or 50 TPI blade is usually required.

Note: Snap cutters are not recommended for use on cast iron pipes etc., and safety equipment, for instance eye protection, should be worn at all times.

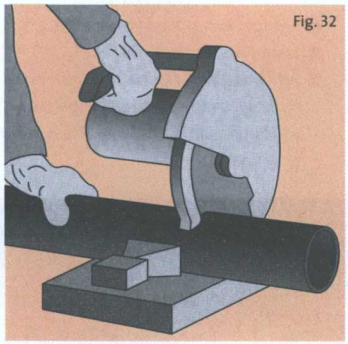


Fig. 32

Always follow guidelines laid down in health and safety regulations.

Quality Assurance

Commitment to Quality

Saint-Gobain Pipelines is committed to satisfying its customers' needs in both quality products and services.

It recognises the necessity for continual improvement in all disciplines throughout the organisation and clearly states this objective to its employees at all levels.

As a basis for this objective, the company is committed to operating strict quality management systems in accordance with BS EN ISO 9001:2000. It also recognises the responsibility of the company's employees in meeting the quality objectives and is conscious of their training and development needs.

Quality Assurance – Endorsed by British Standard BS EN ISO 9001: 2000

Products included in this manual are manufactured under the BS EN ISO 9001: 2000 Quality Assurance Scheme, providing the highest guarantee of product quality, reliability and safety.

A strict quality control policy is maintained throughout the company from purchasing of raw materials to the inspection and testing of products. Spot checks are made throughout the year by the BSI inspectorate, to ensure that standards are not allowed to fall.

BS EN ISO 9001:2000 legislates for Quality Assurance and may be chosen as an alternative 'third party guarantee'. It also provides a means of underwriting the quality of products which lie outside the scope of product standards such as BS460.

On occasions, owing to pressure on normal production units, it may be necessary to manufacture certain components outside the confines of the BS EN ISO 9001:2000 Quality Assurance license. Such items will be produced however, to a quality in keeping with that of accredited manufacturing units.

Components so produced will be identified on the Order Acknowledgement.

BS460 Product Standards

Classical cast iron rainwater systems conform to the dimensional requirements of BS460. (Where applicable.)

BBA Approval

Saint-Gobain Pipelines have been awarded a British Board of Agrément third party accreditation for its standard range of half round gutter systems and circular downpipes systems, within the Standard range.

It should be noted that these are the only cast iron rainwater and gutter systems with BBA approval and manufactured under BS EN ISO 9001:2000 scheme of Quality Assurance.

Introduction

Technical Sales Support

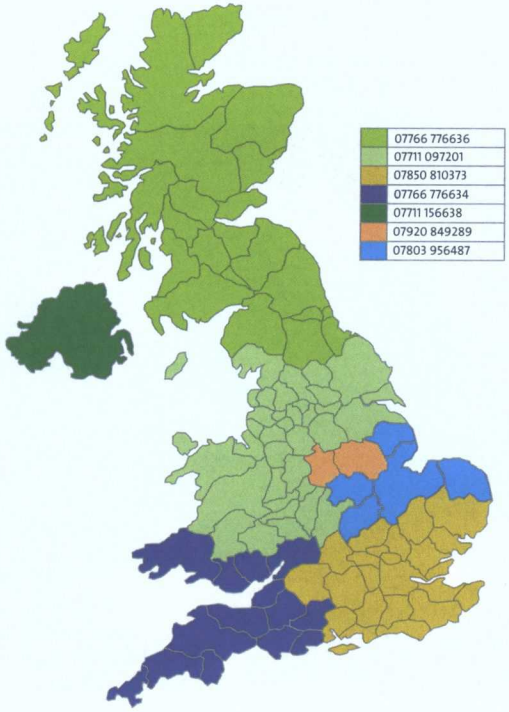
Classical rainwater systems are supported by our experienced technical representatives who can assist the specifier with design and identification of the most appropriate cast iron system, together with scheduling of materials.

See details below or visit the website for details of your local representative, and literature requests: www.saint-gobain-pipelines.co.uk

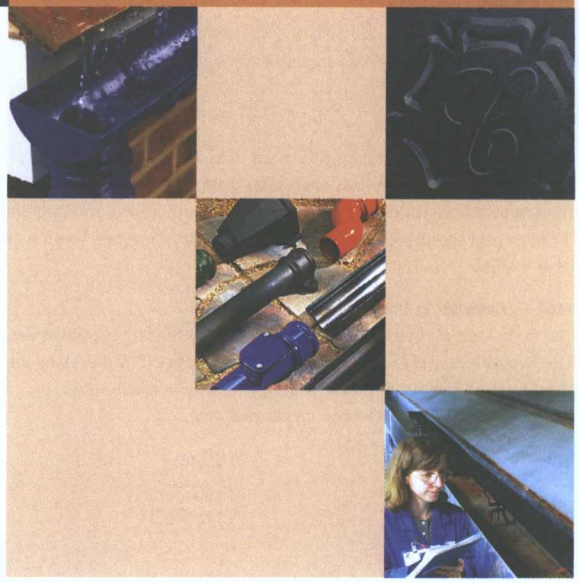
See Soil, Drain & Rainwater Section.

Sales Contacts

UK Sales Manager	*Tel-Mobile*
Simon Bennett:	07803 956487
Regional Sales Managers	*Tel-Mobile*
Scotland, North East	07766 776636
North West, Yorkshire, West Midlands, North Wales	07711 097201
South East	07850 810373
South West, South Wales	07766 776634
Northern Ireland	07711 156638
East Midlands	07920 849289
East Anglia	07803 956487



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Technical Calculations

To select the size of the Classical rainwater system the following method should be used.

Rainfall Intensity

For roof drainage calculations it is usual to assume a rate of rainfall of 75mm/h. Regional differences are more significant in relation to total rainfall than to peak intensities and can be ignored. Short storms of higher intensity do occur and should be taken into consideration where overflowing cannot be tolerated.

STEP 1 – Calculating the area

The first stage of the calculation is determining the largest catchment area. The two most simple ways are illustrated in images (i) & (ii) taking into consideration the outlet position. Image (i), A x B = catchment area. Image (ii), C x D x pitch factor = catchment area.

Image (i)

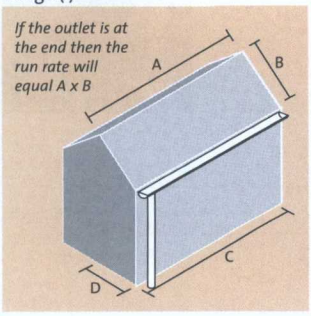
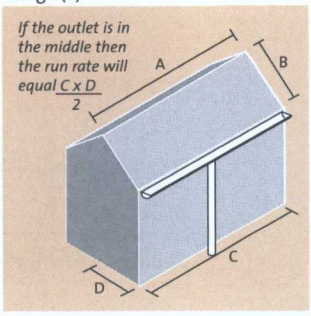


Image (ii)



STEP 2 – determine run off rate

Catchment area (m^2) x rainfall intensity in l/s = Answer 'A' (l/s)
(mm/h ÷ 3600)

Table 1 – Roof Pitch Factor

ROOF ANGLE	FACTOR	ROOF ANGLE	FACTOR
15	1.13	35	1.26
17.5	1.16	37.5	1.39
20	1.18	40	1.43
22.5	1.21	42.5	1.46
25	1.24	45	1.50
27.5	1/26	47.5	1.55
30	1.29		

STEP 3

Longest gutter run to an outlet ÷ gutter depth = Answer 'B'
(length in mm) (mm)

STEP 4

Using Answer 'B', consult Table 2 for the next highest reduction factor.

For details of our free of charge design service see page 3.

Environment Standard BS EN ISO 14001: 2004

Saint-Gobain Pipelines manufacturing sites including Sinclair, at Telford have been awarded the 'Manufacturing to Environmental Standards' accreditation BS EN ISO 14001: 2004 which was developed to help manufacturers maintain and improve their management of environmental responsibilities and assist them in ensuring compliance with environmental laws and regulations.

Saint-Gobain Pipelines operates Integrated Pollution and Preventative Control (IPPC) regulations, and have implemented comprehensive environmental management systems throughout its manufacturing sites.

UK Market

Classical Rainwater products are widely distributed via reputable builders' merchants throughout the U.K.

Many of these merchants have been dealing with cast iron rainwater systems for many years and can offer help with the selection of styles to suit the local architecture, details of local installers and other invaluable practical advice.

Contact our Literature Hotline for a Stockist List.

Contact Literature Hotline: FREEPHONE 0800 028 2134

Technical Advisory Service

Saint-Gobain Pipelines offer a comprehensive technical advisory service. The technical team can provide the customer with a complete CAD drawing – design and take-off – detailing of bill of materials for the gutter and downpipe system in cast iron – FREE OF CHARGE.

Tel: 01952 262529; Fax: 01952 262592.



Introduction



Saint-Gobain Pipelines is a leading supplier of ductile iron pipes, fittings, valves, manhole covers, gullies and grates, as well as being the leading producer of cast iron above and below ground drainage systems. Its markets include water and sewerage, telecommunications, highways, civil engineering, construction and housing.

Saint-Gobain Pipelines, specialises in the manufacture of cast iron above and below ground drainage systems and rainwater and gutter systems.

Cast iron gutters have been manufactured at the Telford site for over 100 years, building a reputation for supplying quality products and services for the housing and construction industry in the UK and World markets.

To support our commitment to quality, Saint-Gobain Pipelines is the only cast iron manufacturer to achieve British Board of Agrément third party Accreditation for its standard range of half round gutter systems and round downpipe systems within the Classical range. Saint-Gobain Pipelines also manufactures under BS EN ISO 9001:2000 Quality Management Systems.

Prominent downpipe products in the Classical range will carry the distinctive 'C' rosette. Classical is distributed in the UK through a wide selection of builders/plumbers merchants at national and local level.

When specifying/installing cast iron rainwater systems 'insist on the mark of quality' and be sure of its origin of manufacture and quality performance.

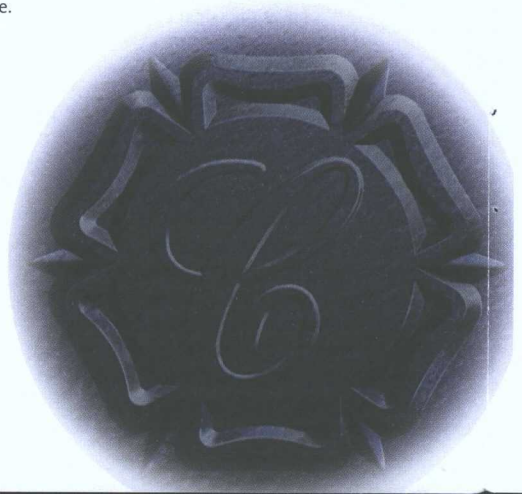


Table 2 – Reduction Factors

Answer 'B'	Reduction Factor
50	1.00
100	0.93
150	0.86
200	0.80

STEP 5

Answer 'A' ÷ Reduction Factor = Total Flowrate in l/s.

STEP 6

Using the total flowrate, consult Table 3 for the appropriate gutter profile and size.

Table 3 – Gutter Capacities

	Gutter Type and Size							
Capacity l/sec	Half Round	Beaded Half Round	Deep Half Round	Express	Ogee	Moulded No. 46	Notts Ogee	Box
1.75	–	–	125x75	–	–	–	–	–
1.50	–	–	–	125	–	–	–	–
1.42	–	–	–	–	–	125x100	–	–
1.40	150	–	–	–	–	–	–	–
1.39	–	–	–	–	–	–	–	100x75
1.24	–	–	100x75	–	–	–	–	–
1.07	–	–	–	–	–	–	115	–
0.97	–	125	–	–	–	–	–	–
0.94	125	–	–	–	–	–	–	–
0.79	115	115	–	–	–	–	–	–
0.71	–	–	–	–	125	–	–	–
0.67	–	–	–	–	–	100x75	–	–
0.59	–	100	–	–	115	–	–	–
0.53	100	–	–	–	–	–	–	–
0.41	–	–	–	–	100	–	–	–

**All gutter & pipe capacities have been tested by HR. Wallingford*

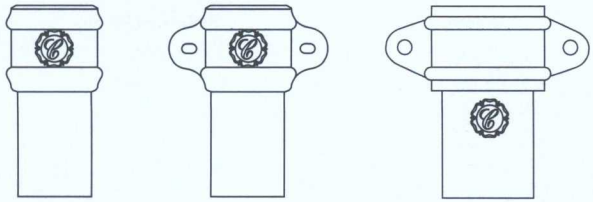
If you require your calculations checked, please contact our Technical Department 01952 262 529

Table 4 - Pipe Capacities

Pipe Diameter (mm)	Capacity Litres/Second
65	2.00
75	3.00
100	7.00

Markings

'Classical' Rainwater Pipes:



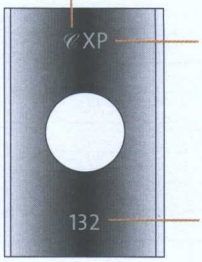


Circular Pipes:-	Classical 'C' rosette cast on the socket.
Fittings:-	Loose sockets, shoes, access pipes.
Rectangular Pipes:-	Classical 'C' rosette cast on the pipe barrel underneath the socket.
Fittings:-	Shoes.



All the remaining rainwater fittings and gutter fittings can be identified with the new Classical 'C' badge.

Classical Express Product Markings

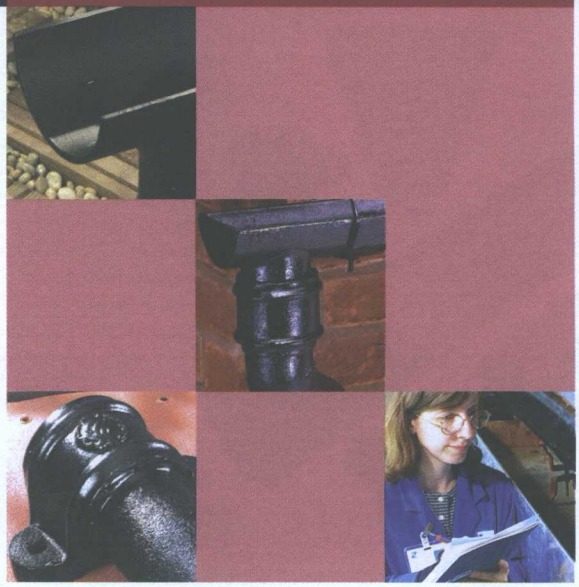


Fittings can be identified with the Classical 'C'

Express branding

Outside Diameter

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Liability

The Classical Rainwater manual is written for general guidance only. No responsibility can be accepted for any errors, omissions or incorrect assumptions.

Saint-Gobain Pipelines do not accept liability for any complaints on installations where components not manufactured by Saint-Gobain Pipelines are included.

Whilst every care has been taken to ensure that the information contained in this catalogue is correct, Saint-Gobain Pipelines or its agents do not accept responsibility for any errors herein.

Our policy is one of continuous improvement. We therefore also reserve the right to change or alter the specification of any product without notice.

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Literature Hotline

FREEPHONE: 0800 028 2134

Note: Our policy of continuing product development and improvement necessitates that we reserve the right to modify designs shown in this brochure without prior notice.

Standard Specification

1. The cast iron rainwater and gutter systems shall comply to the dimensional requirements of BS460, and conform to a British Board of Agrément certificate (where applicable ie standard half round gutter and fittings, and circular downpipe systems).
2. The cast iron rainwater and gutter systems shall be manufactured under a BS EN ISO **9001:2000** Quality Assurance scheme.
3. The gutter system should be jointed using a mechanical gutter clip from Saint-Gobain Pipelines' Classical Express range.
4. Circular downpipes
   a) 65, 75 and 100mm rainwater downpipes shall be installed with a fixed/or loose socket head, incorporating the Classical 'C' rosette **'The Mark of Quality'.**
   b) Where the pipe is required to be projected from the wall, cast iron wall spacer plates shall be used.
5. The cast iron rainwater and gutter systems shall be supplied to site protected with a black primer coating, ready for on site painting, or with factory applied top coat. Follow the manufacturers' painting instructions. It is the responsibility of the installer to examine and repair any coating damage prior to further primer coats being applied. Final coatings should be applied prior to installation by the installer/purchaser*.
6. Where pipes and gutters are cut on site, the ends shall be cut clean and square with burrs removed. All cut ends shall be made good/ re-coated strictly in accordance with manufacturer's recommendations.
7. Where there is a wooden fascia, the gutter systems shall be supported by cast iron fascia brackets.
8. The cast iron rainwater & gutter system to be from Saint-Gobain Pipelines' 'Classical' range.
9. The metal used for the manufacture of cast iron rainwater pipes, gutters and fittings shall meet the requirements specified for cast iron in BS EN 1561 Grade EN-JL 1020, ISO 185 Grade 15.
10. The cast iron rainwater and gutter system shall be installed in accordance with the relevant health and safety regulations, to standard of workmanship BS 8000, and to the recommendations from the Classical Installation Guide.

A 4 coat system would be considered an ABSOLUTE MINIMUM protection for an external system, ie. 1 primer, 1 undercoat and 2 gloss coats, (or 2 undercoats and 1 gloss coat) giving a minimum coating of 90 microns.

ALTERNATIVELY, the cast iron rainwater gutter system is to be supplied in a factory-applied finished coating – Saint-Gobain Classical Plus.

How to order	Product Code	Description	Quantity
Example	04819	100 x 1829 H.R.Classical Gutter G800	50

Other products and services available from Saint-Gobain Pipelines:

Ensign

Cast iron above and below ground drainage system BSI Kitemark approved to BS EN 877.

Used for soil and waste, rainwater, suspended, buried and bridge drainage applications, providing lifetime service for commercial and public buildings.

Timesaver

Cast iron above ground system BSI Kitemark approved to BS416 part 2, used for soil and waste refurbishment, and external soil stacks for traditional appearance.

Cast iron below ground system BSI Kitemark approved to BS437, favoured for under building drainage, and unstable ground conditions due to its superior strength performance.

Access Covers and Gratings

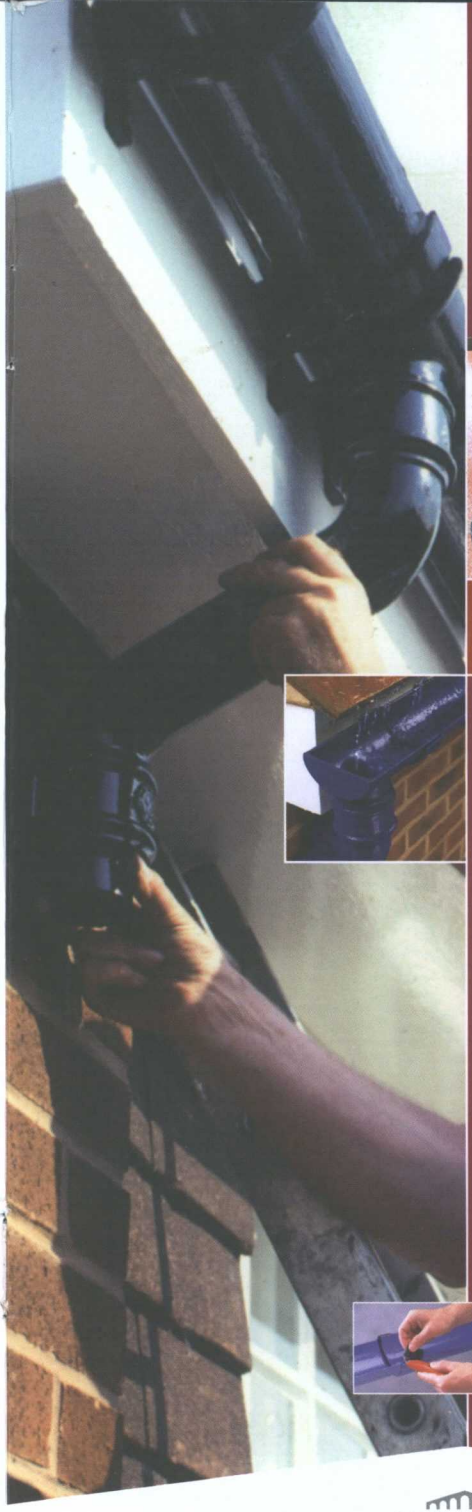
A comprehensive range of ductile iron and fabricated steel access covers and gratings. For high performance products which meet the increasing demands from traffic to a purpose designed range for low density applications, Saint-Gobain Pipelines access cover products provide targeted solutions for the key civil engineering, utility and infrastructure sectors.

Your local stockist is:

visit: www.saint-gobain-pipelines.co.uk

The information given in this literature is, to the best of our knowledge, correct at the time of going to print. However, Saint-Gobain Pipelines is constantly looking at ways of improving their products and services and therefore reserve the right to change, without prior notice, any of the data contained in this publication. Any orders placed will be subject to our Standard Conditions of Sale, available on request.

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PAM



Classical

Product Trade Price List & Installation Guide

CAST IRON RAINWATER & GUTTER SYSTEMS

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Classical PLUS

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SAINT-GOBAIN PIPELINES