



Heritage Foundry™



Heritage Cast Iron Rainwater® Cast Iron Soil Product Guide

TELEPHONE: 01536 762400

FAX: 01536 762605

www.castirongutter.co.uk

Heritagefoundry@castirongutter.co.uk



Heritage Cast Iron Rainwater Systems

<u>Index</u>	<u>Page</u>
Introduction	2
Cast Iron Finishes	3
Half Round Gutter	4
Beaded Half Round Gutter	6
Deep Run Half Round Gutter	8
Victorian Ogee Gutter	10
Moulded Ogee Gutter	12
Galvanised Steel Gutter Brackets	14
Round Rainwater Pipe	15
Square/Rectangular Pipe	20
Gutter & Rainwater Pipe Installation & Specification	24
LCC Push Fit Soil Pipes & Fittings	28
LCC Push-Fit Soil Installation & Specification	31
Traditional LCC Soil Pipes & Fittings	33
Traditional LCC Soil Installation & Specification	36
Sundry Items	38

Express Delivery

Items Marked **S** are available for next day delivery in primed finish or 48 hour in painted black finish.

Introduction

The Heritage range of Sand cast iron has a robust timeless quality evocative of the great engineering achievements of Brunel and the Victorian age. Heritage cast iron retains the best of such traditional qualities while adding the advantages of modern technology to address the need of construction today.

The product range comprises traditional gutter profiles, round and square pipes, and all associated fittings and accessories. Products are available from stock or are made to order. Through made to order cast iron.

Key Benefits

Authentic sand castings

Range of standard sizes available along with a made to order range

Extremely strong, durable and vandal resistant

Life expectancy in excess of 40 years

Silent in operation

Dimensionally accurate and stable

Products available in factory primed (Heritage) for site primer & site painting

Products also available pre-finished in satin black (Heritage Premier)

Pre-finished cast iron can cut costs by 30% and installation time by 60%

Prefinished cast iron is supplied wrapped for protection during transport and site handling

Minimal maintenance

Complies with BS 460: 2002 cast iron rainwater goods

Cast iron is 100% recyclable

General Description

Heritage cast iron products by the traditional sandcast method, in which the sand not only imparts the authentic cast iron texture and appearance but also allows – for example – pipe collars and ears to be cast in one piece with downpipes.

Heritage Cast Iron Rainwater® Systems

Heritage cast iron rainwater products are manufactured by Heritage Foundry Limited and supplied transit primed (Heritage) or pre-finished (Heritage Premier).

Heritage - Transit primed

Transit primed products are supplied with one coat protective red or grey oxide primer. This primer will give protection against corrosion during transportation and short-term undercover storage, and will provide a suitable surface for primer coating and final painting. On-site handling and painting are the responsibility of the contractor, and particular environment considerations should be taken into account when choosing the paint system for the final finishing.

Heritage Foundry Limited recommend that an additional priming coat be applied on site, followed by 1 undercoat and 2 gloss coats of an alkyd paint system. All individual elements should receive the first of the gloss coats before fixing, and finished with the final gloss coat after the installation is Complete.

Heritage Premier - Pre-finished

Pre-finished products utilise a three-coat system, one coat of base/transit primer, one coat of 2 part epoxy primer and a top coat finish, this has been specifically developed for cast iron, to provide a smooth and long-lasting finish. We offers the most comprehensive range of pre-finished traditional sand cast iron in the UK, including all components such as union clips, stop ends, outlets, angles, brackets, pipe bands, branches, offsets access pipes and shoes, plus rainwater heads and sockets- a complete ready to install integrated system. All exposed surfaces must be treated in this way. It is advisable to take the paint finish inside collars and within the ends of rainwater pipes to avoid the possibility of rust staining.

On-site handling

Cast iron can be cut and drilled on site with metalworking tools. Site-cut ends and drilled holes exposing bare metal must be de-burred and then repainted in accordance with our recommended site painting procedure. Sand cast iron is inherently strong and durable, but like all high quality materials it must be handled and stored in an appropriate manner.

To avoid accidental damage to collars and spigots, gutter and pipe sections should be stored horizontally, supported clear of the ground and preferably under cover. Pre-finished cast iron is supplied wrapped to protect against physical damage during transportation and site handling.

Painted Cast Iron Rainwater Goods

An extensive range of painted black semi-gloss Cast Iron Rainwater is now available with a 48 Hour lead-time. The most well-used profiles are available, namely Half Round, Beaded Half Round, Deep Half Round, Victorian Ogee & Moulded Ogee Guttering and Rainwater Pipes in 2½", 3" & 4" diameters. Other standard colours are available in 7 working days, Non Standard Profiles/Colours & square and rectangular pipe & fittings with a delivery period of 10/12 working days (sandcast gutters & ornamental hoppers delivery TBA).

As one of the UK's market leading suppliers of Cast Iron Rainwater Systems, Heritage Foundry Limited is constantly aware of industry changes that affect the everyday working methods of its colleagues in the building industry.

By removing the need for post-installation paintwork, Heritage Foundry Limited painted cast iron offers up to a 60% saving on installation time and 30% saving in materials. The highly durable 3-coat factory-finish comprises 2 coats of primer, and a topcoat, which can last around 8 years before re-painting is required.

Coloured Cast Iron Pricing

Heritage Cast Iron Rainwater is now available in a full range RAL & BS colours. There is a surcharge of £50 per order for colours in our standard range (see below) – excluding stock black semi-gloss. Other colours (not listed) will have a minimum surcharge of £100 per order. However, some colours may incur a further surcharge. Please call 01536 762400 for further details

Painted black semi-gloss orders can be delivery in 48 Hours, standard colours in 7 Working days. Any other colours 10/12 working days. Please call 01536 762400 for further details.



Heritage Cast Iron Rainwater® Systems

Gutter Profiles & Sizes

Heritage Half Round Gutter

See Page 4



100mm (4") CIH40
113mm (4.5") CIH45
125mm (5") CIH50
150mm (6") CIH60

Heritage Beaded Half Round Gutter

See Page 6



113mm (4.5") CIB45
125mm (5") CIB50

Heritage Deep Half Round Gutter

See Page 8



125 x 75mm(5 x 3") CIDHR

Heritage Victorian Ogee Gutter

See Page 10



113mm (4.5") CIO45
125mm (5") CIO50

Heritage Moulded Ogee Gutter

See Page 12



100 x 75 mm(4 x 3") CIM43
125 x 100 mm(5 x 5") CIM54
150 x 100 mm(6 x 4") CIM64

Pipe Profiles & Sizes

Heritage Circular Rainwater Pipe

See Page 15



65mm (2.5") CIR25
75mm (3") CIR30
100mm (4") CIR40

Heritage Square Rainwater Pipe

See Page 20



75 x 75mm (3 x 3") CIS33
100 x 100mm (4 x 4") CIS44

Heritage Rectangular Rainwater Pipe

See Page 20

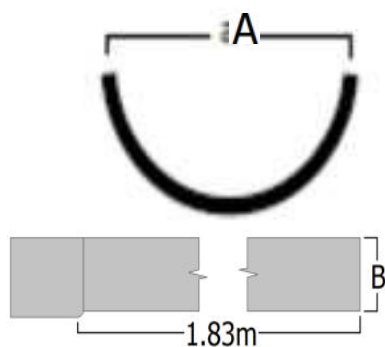


100 x 75mm (4 x 3") CIS43

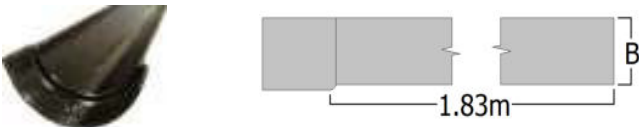



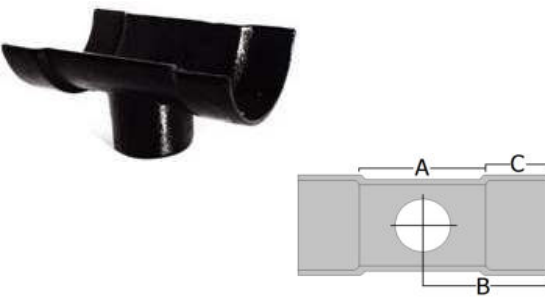

Heritage Cast Iron Half Round Guttering


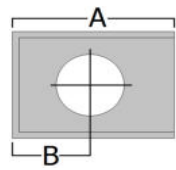

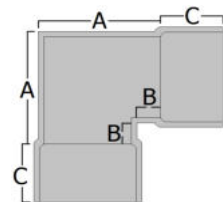

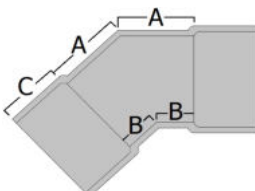





HERITAGE
CAST IRON RAINWATER

4



Code Ref.	CIH40/6FT	CIH45/6FT	CIH50/6FT	CIH60/6FT
Length	1830mm	1830mm	1830mm	1830mm
A=Actual Ext.	108mm	120mm	133mm	166mm
A Imperial	4"	4.5"	5"	6"
B Depth	50mm	55mm	58mm	70mm
Weight	8kg	10.5kg	11.5kg	13.5kg

Description		Technical(mm)			Size	Code	
<div>S</div> 1.83m Length		A	B	C		Suffix /PA	
					4" (100mm)	CIH40/6FT	
					4 1/2" (113mm)	CIH45/6FT	
					5" (125mm)	CIH50/6FT	
					6" (150mm)	CIH60/6FT	
<div>S</div> Union Clip		A	B	C			
		98	49		4" (100mm)	CIH40/UC	
		98	49		4 1/2" (113mm)	CIH45/UC	
		98	49		5" (125mm)	CIH50/UC	
		98	49		6" (150mm)	CIH60/UC	
<div>S</div> Stop Ends External		A	B	C			
		51			4" (100mm)	CIH40/SE/E	
		51			4 1/2" (113mm)	CIH45/SE/E	
		51			5" (125mm)	CIH50/SE/E	
		51			6" (150mm)	CIH60/SE/E	
<div>S</div> Stop Ends Internal		A	B	C			
		46			4" (100mm)	CIH40/SE/I	
		46			4 1/2" (113mm)	CIH45/SE/I	
		46			5" (125mm)	CIH50/SE/I	
		46			6" (150mm)	CIH60/SE/I	
<div>S</div> Running Outlet Double Spigot			A	B	C		
		65mm Ø	150	119	49	4" (100mm)	CIH40/RO/25
		65mm Ø	150	119	49	4 1/2" (113mm)	CIH45/RO/25
		65mm Ø	150	119	49	5" (125mm)	CIH50/RO/25
		65mm Ø	150	119	49	6" (150mm)	CIH60/RO/25
		75mm Ø	150	119	49	4" (100mm)	CIH40/RO/30
		75mm Ø	150	119	49	4 1/2" (113mm)	CIH45/RO/30
		75mm Ø	155	126	49	5" (125mm)	CIH50/RO/30
		75mm Ø	150	119	49	6" (150mm)	CIH60/RO/30
		100mm Ø	155	126	49	6" (150mm)	CIH60/RO/40
<div>S</div> Drop End Outlet - Socketed			A	B	C		
		65mm Ø	124	62	49	4" (100mm)	CIH40/DE/25/E
		65mm Ø	124	62	49	4 1/2" (113mm)	CIH45/DE/25/E
		65mm Ø	124	62	49	5" (125mm)	CIH50/DE/25/E
		75mm Ø	124	62	49	4" (100mm)	CIH40/DE/30/E
		75mm Ø	124	62	49	4 1/2" (113mm)	CIH45/DE/30/E
		75mm Ø	124	62	49	5" (125mm)	CIH50/DE/30/E

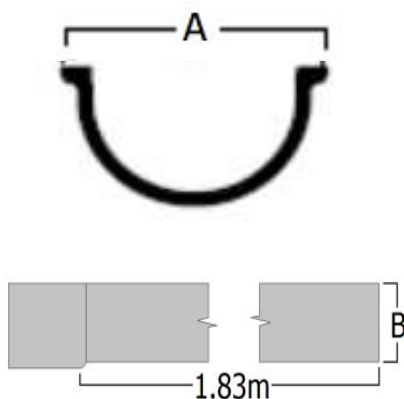
Heritage Cast Iron Half Round Guttering				HERITAGE CAST IRON RAINWATER		5		
Description		Technical(mm)		Size		Code		
				A	B	C	Suffix /PA	
		65mm Ø	170	60		4" (100mm)	CIH40/DE/25/I	
		65mm Ø	170	60		4 1/2" (113mm)	CIH45/DE/25/I	
		65mm Ø	170	60		5" (125mm)	CIH50/DE/25/I	
		75mm Ø	170	60		4" (100mm)	CIH40/DE/30/I	
		75mm Ø	170	60		4 1/2" (113mm)	CIH45/DE/30/I	
		75mm Ø	170	60		5" (125mm)	CIH50/DE/30/I	
				A	B	C		
			174	75	49	4" (100mm)	CIH40/A/9	
			185	75	49	4 1/2" (113mm)	CIH45/A/9	
			195	75	49	5" (125mm)	CIH50/A/9	
			230	80	49	6" (150mm)	CIH60/A/9	
				A	B	C		
			118	75	49	4" (100mm)	CIH40/A/135	
			115	75	49	4 1/2" (113mm)	CIH45/A/135	
			125	75	49	5" (125mm)	CIH50/A/135	
			140	75	49	6" (150mm)	CIH60/A/135	
Fascia Bracket								
	15mm Stand Off					4" (100mm)	CIH40/FB/CI	
						4 1/2" (113mm)	CIH45/FB/CI	
						5" (125mm)	CIH50/FB/CI	
						6" (150mm)	CIH60/FB/CI	
Rafter Bracket		Top Fix				Steel		
	220mm Long + Cup Approx. 30 Degrees	Non Standard Galvanised Steel Brackets - Please See Page 14					4" (100mm)	CIH40/RB/TF
							4 1/2" (113mm)	CIH45/RB/TF
							5" (125mm)	CIH50/RB/TF
							6" (150mm)	CIH60/RB/TF
Rafter Bracket			Side Fix					
	220mm Long + Cup 65mm Twist Length Approx. 30 Degrees						4" (100mm)	CIH40/RB/SF
							4 1/2" (113mm)	CIH45/RB/SF
							5" (125mm)	CIH50/RB/SF
							6" (150mm)	CIH60/RB/SF
Drive in Rise & Fall Bracket								
	Spike 330mm Long Stud 140mm Long						4" (100mm)	CIH40/R&F/GS
							4 1/2" (113mm)	CIH45/R&F/GS
						5" (125mm)	CIH50/R&F/GS	
						6" (150mm)	CIH60/R&F/GS	
Drive in Rise & Fall Bracket c/w Stay								
	Spike 330mm Long Stud 140mm Long Stay Projection 230mm Stay height 200mm					4" (100mm)	CIH40/R&F/GS/WS	
						4 1/2" (113mm)	CIH45/R&F/GS/WS	
						5" (125mm)	CIH50/R&F/GS/WS	
						6" (150mm)	CIH60/R&F/GS/WS	

For Rubber/EPDM Gutter Joints - See AQUASEAL Gutter Joints on Page 24

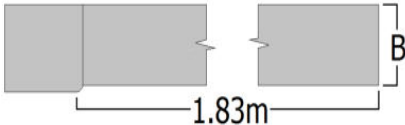

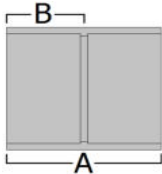






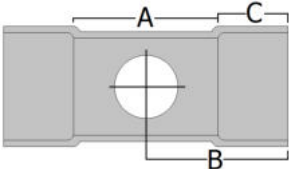
Heritage Cast Iron Beaded Half Round Guttering


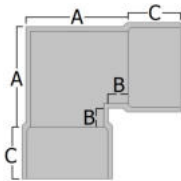

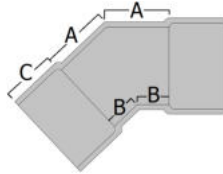





HERITAGE
CAST IRON RAINWATER

6



Code Ref.	CIB45/6FT	CIB50/6FT
Length	1830mm	1830mm
A=Actual Ext.	131mm	145mm
A Imperial	4.5"	5"
B Depth	56mm	64mm
Weight	10.5kg	11.5kg

Description		Technical(mm)		Size	Code
<div>S</div> 1.83m Length	<div></div>				Suffix /PA
				4 1/2" (113mm)	CIB45/6FT
				5" (125mm)	CIB50/6FT
	<div>S</div> Union Clip	<div>A B C</div>			
<div></div>	98	49		4 1/2" (113mm)	CIB45/UC
	98	49		5" (125mm)	CIB50/UC
<div>S</div> Stop Ends- External	<div>A B C</div>				
<div></div>	45			4 1/2" (113mm)	CIB45/SE/E
	45			5" (125mm)	CIB50/SE/E
<div>S</div> Stop Ends - Internal	<div>A B C</div>				
<div></div>	45			4 1/2" (113mm)	CIB45/SE/I
	45			5" (125mm)	CIB50/SE/I
<div>S</div> Running Outlet - Double Socket	<div>A B C</div>				
<div><div><div>65mm Ø</div><div>65mm Ø</div><div></div><div><div>75mm Ø</div><div>75mm Ø</div></div></div></div>	63mm Ø				
	140	121	49	4 1/2" (113mm)	CIB45/RO/25
	140	121	49	5" (125mm)	CIB50/RO/25
	76mm Ø				
	140	121	49	4 1/2" (113mm)	CIB45/RO/30
	140	121	49	5" (125mm)	CIB50/RO/30

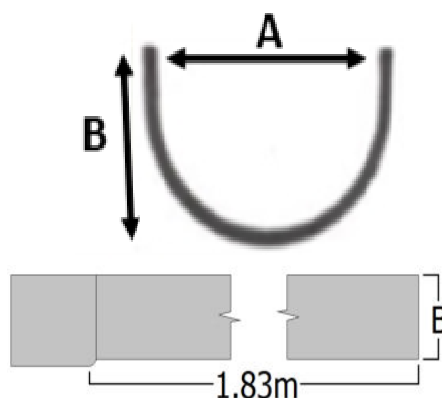
Heritage Cast Iron Beaded Half Round Guttering				HERITAGE CAST IRON RAINWATER		7			
Description		Technical(mm)		Size		Code			
S	90 Deg Angle	A	B	C			Suffix /PA		
				190	70	49	4 1/2" (113mm)	CIB45/A/90	
				209	70	49	5" (125mm)	CIB50/A/90	
S	135 Deg Angle	A	B	C					
				117	70	49	4 1/2" (113mm)	CIB45/A/135	
				126	70	49	5" (125mm)	CIB50/A/135	
S	Fascia Bracket								
 15mm Stand Off						4 1/2" (113mm)	CIB45/FB/CI		
						5" (125mm)	CIB50/FB/CI		
S	Rafter Bracket Top Fix								
 250mm Long + Cup Approx. 30 Degrees		<div>Non Standard Galvanised Steel Brackets - Please See Page 14</div>				4 1/2" (113mm)	CIB45/RB/TF		
						5" (125mm)	CIB50/RB/TF		
S	Rafter Bracket Side Fix								
 250mm Long + Cup Approx. 30 Degrees								4 1/2" (113mm)	CIB45/RB/SF
								5" (125mm)	CIB50/RB/SF
S	Drive in Rise & Fall Bracket								
 Spike 330mm Long Stud 140mm Long									
						4 1/2" (113mm)	CIB45/R&F/GS		
						5" (125mm)	CIB50/R&F/GS		
S	Drive in Rise & Fall Bracket c/w Stay								
 Spike 330mm Long Stud 140mm Long Stay Projection 230mm									
						4 1/2" (113mm)	CIB45/R&F/GS/WS		
						5" (125mm)	CIB50/R&F/GS/WS		

Non
Standard
Galvanised
Steel
Brackets -
Please See
Page 14


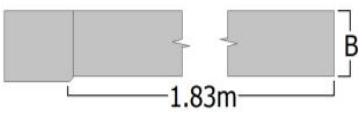







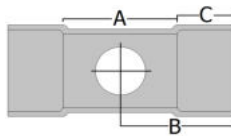

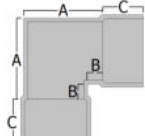
Heritage Cast Iron Deep Run Half Round Guttering


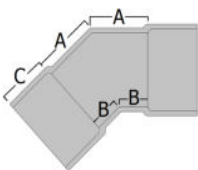





HERITAGE
CAST IRON RAINWATER

8



Code Ref.	CIDH53/6FT
Length	1830mm
A=Actual Ext.	136mm
A Imperial	4.5"
B Depth	76mm
Weight	10.5kg

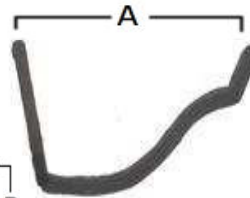
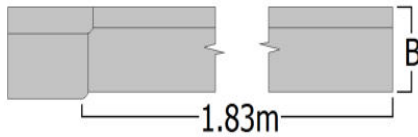
Description	Technical(mm)	Size	Code
S 1.83m Length			Suffix /PA
			
		125mm x 75mm	CIDH53/6FT
S Union Clip			
		110 49	125mm x 75mm
			CIDH53/UC
S Stop Ends- External			
		55	125mm x 75mm
			CIDH53/SE/E
S Stop Ends - Internal			
		50	125mm x 75mm
			CIDH53/SE/I
S Running Outlet - Double Socket			
	75mm Ø	140 120 49	125mm x 75mm
	100mm Ø	140 120 49	125mm x 75mm
			CIDH53/RO/30
			CIDH53/RO/40
S 90 Deg Angle - Combined			
		160 25 49	125mm x 75mm
			CIDH53/A/90

Heritage Cast Iron Deep Run Half Round Guttering				HERITAGE CAST IRON RAINWATER		9	
Description		Technical(mm)		Size		Code	
S	135 Deg Angle - Combined	A	B	C		Suffix /PA	
							
		80	23	49	125mm x 75mm	CIDH53/A/135	
S	Fascia Bracket						
		10mm Stand Off					
					125mm x 75mm	CIDH53/FB/CI	
S	Rafter Bracket Top Fix						
		240mm Long + Cup Approx. 30 Degrees		Non Standard Galvanised Steel Brackets - Please See Page 14			
					125mm x 75mm	CIDH53/RB/TF	
S	Rafter Bracket Side Fix						
		240mm Long + Cup 65mm Twist Approx. 30 Degrees					
					125mm x 75mm	CIDH53/RB/SF	
S	Drive in Rise & Fall Bracket						
		Spike 330mm Long Stud 140mm Long					
					125mm x 75mm	CIDH53/R&F/GS	
S	Drive in Rise & Fall Bracket c/w Stay						
		Spike 330mm Long Stud 140mm Long Stay Projection 230mm					
				125mm x 75mm	CIDH53/R&F/WS		


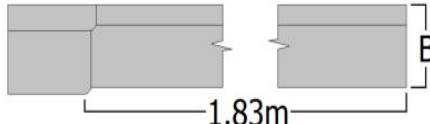

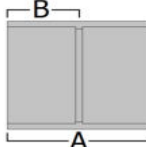







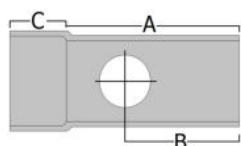

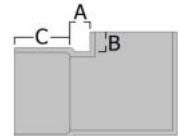
Heritage Cast Iron Victorian Ogee Gutter


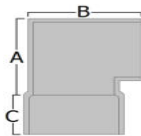

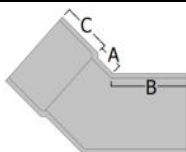

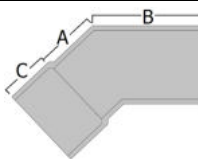

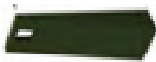




HERITAGE
CAST IRON RAINWATER

10



Code Ref.	CIO45/6FT	CIO50/6FT
Length	1830mm	1830mm
A=Actual Ext.	130mm	138mm
A Imperial	4.5"	5"
B Depth	64mm	70mm
Weight	11.5kg	12.5kg

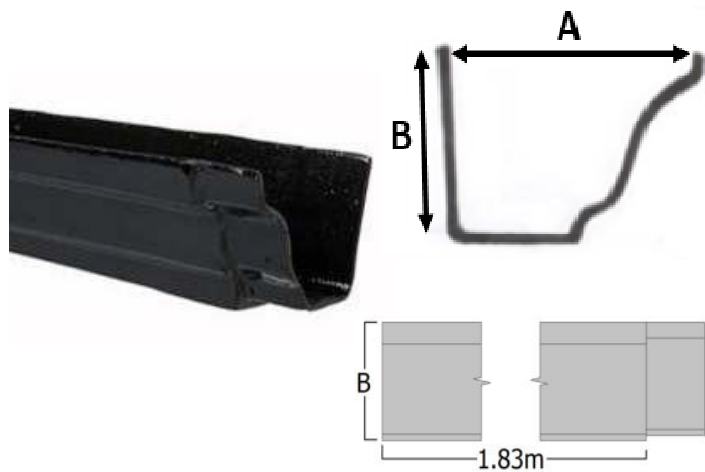
Description		Technical(mm)			Size	Code	
S	1.83m Length					Suffix /PA	
							
					4 1/2" (113mm)	CIO45/6FT	
					5" (125mm)	CIO50/6FT	
S	Union Clip						
		A B C					
		100	50		4 1/2" (113mm)	CIO45/UC	
		100	50		5" (125mm)	CIO50/UC	
S	Stop Ends External RH						
		A B C					
		55			4 1/2" (113mm)	CIO45/SE/RE	
		55			5" (125mm)	CIO50/SE/RE	
S	Stop Ends External LH						
		A B C					
		52			4 1/2" (113mm)	CIO45/SE/LE	
		52			5" (125mm)	CIO50/SE/LE	
S	Stop Ends Internal LH						
		A B C					
		46			4 1/2" (113mm)	CIO45/SE/LI	
		46			5" (125mm)	CIO50/SE/LI	
S	Running Outlet Single Socket						
		65mm Ø	191	121	50	4 1/2" (113mm)	CIO45/RO/25
		75mm Ø	191	121	50	4 1/2" (113mm)	CIO45/RO/30
		65mm Ø	191	121	50	5" (125mm)	CIO50/RO/25
		75mm Ø	191	121	50	5" (125mm)	CIO50/RO/30
S	90 Deg Angle External						
		A B C					
		30	80	50	4 1/2" (113mm)	CIO45/EA/90	
		30	80	50	5" (125mm)	CIO50/EA/90	

Heritage Cast Iron Moulded Ogee Gutter				HERITAGE CAST IRON RAINWATER		11				
Description		Technical(mm)			Size	Code				
S	90 Deg Angle Internal	A	B	C		Suffix /PA				
		145	200	50	4 1/2" (113mm)	CIO45/IA/90				
		145	210	50	5" (125mm)	CIO50/IA/90				
S	135 Deg Angle External	A	B	C						
		28	80	50	4 1/2" (113mm)	CIO45/EA/135				
		28	76	50	5" (125mm)	CIO50/EA/135				
S	135 Deg Angle Internal	A	B	C						
		70	125	50	4 1/2" (113mm)	CIO45/IA/135				
		75	136	50	5" (125mm)	CIO50/IA/135				
S	Fascia Bracket									
	7mm Stand Off				4 1/2" (113mm)	CIO45/FB/CI				
					5" (125mm)	CIO50/FB/CI				
S	Direct Fix Wedge									
	Thickness - 22mm x 3mm				Fits All	CIO/DF				
S	Rafter Bracket Top Fix									
	220mm Long + Cup Approx. 30 Degrees	<div>Non Standard Galvanised Steel Brackets - Please See Page 14</div>			4 1/2" (113mm)	CIO45/RB/TF				
					5" (125mm)	CIO50/RB/TF				
S	Rafter Bracket Side Fix									
	220mm Long + Cup Approx. 30 Degrees 65mm Twist							4 1/2" (113mm)	CIO45/RB/SF	
								5" (125mm)	CIO50/RB/SF	
S	Drive in Rise & Fall Bracket									
	Spike 330mm Long Stud 140mm Long							4 1/2" (113mm)	CIO45/R&F/GS	
								5" (125mm)	CIO50/R&F/GS	
S	Drive in Rise & Fall Bracket c/w Stay									
	Spike 330mm Long Stud 140mm Long Stay 230mm Projection							4 1/2" (113mm)	CIO45/R&F/GS/WS	
								5" (125mm)	CIO50/R&F/GS/WS	


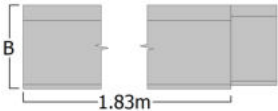

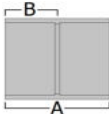







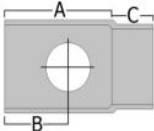
Heritage Cast Iron Moulded Ogee Gutter


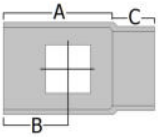

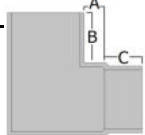

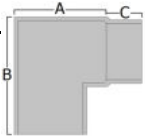

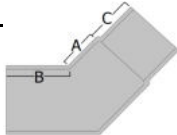

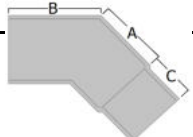





HERITAGE
CAST IRON RAINWATER

12



Code Ref.	CIM43/6FT	CIM54/6FT	CIM64/6FT
Length	1830mm	1830mm	1830mm
A=Actual Ext.	110mm	141mm	160mm
A Imperial	4" x 3"	5" x 4"	6" x 4"
B Depth	80mm	105mm	100mm
Weight	11kg	18kg	20kg



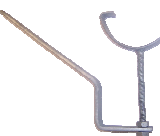



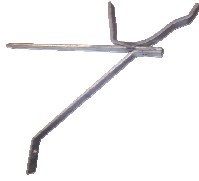


Description			Technical(mm)		Size	Code	
S	1.83m Length					Suffix /PA	
					4" x 3" (100 x 75mm)	CIM43/6FT	
					5" x 4" (125 x 100mm)	CIM54/6FT	
					6" x 4" (150 x 100mm)	CIM64/6FT	
S	Union Clip	A	B	C			
		100	50		4" x 3" (100 x 75mm)	CIM43/UC	
		100	50		5" x 4" (125 x 100mm)	CIM54/UC	
		100	50		6" x 4" (150 x 100mm)	CIM64/UC	
S	Stop Ends External RH	A	B	C			
		54			4" x 3" (100 x 75mm)	CIM43/SE/RE	
		54			5" x 4" (125 x 100mm)	CIM54/SE/RE	
		54			6" x 4" (150 x 100mm)	CIM64/SE/RE	
S	Stop Ends Internal LH	A	B	C			
		51			4" x 3" (100 x 75mm)	CIM43/SE/LI	
		51			5" x 4" (125 x 100mm)	CIM54/SE/LI	
		51			6" x 4" (150 x 100mm)	CIM64/SE/LI	
S	Stop End Internal RH	A	B	C			
		51			4" x 3" (100 x 75mm)	CIM43/SE/RI	
		51			5" x 4" (125 x 100mm)	CIM54/SE/RI	
		51			6" x 4" (150 x 100mm)	CIM64/SE/RI	
S	Running Outlet c/w Spigot	A	B	C			
		65mm Ø	245	125	50	4" x 3" (100 x 75mm)	CIM43/RO/25
		65mm Ø	245	125	50	5" x 4" (125 x 100mm)	CIM54/RO/25
		65mm Ø	245	125	50	6" x 4" (150 x 100mm)	CIM64/RO/25
		75mm Ø	245	125	50	4" x 3" (100 x 75mm)	CIM43/RO/30
		75mm Ø	245	125	50	5" x 4" (125 x 100mm)	CIM54/RO/30
		75mm Ø	245	125	50	6" x 4" (150 x 100mm)	CIM64/RO/30
		101mm Ø	245	125	50	5" x 4" (125 x100mm)	CIM54/RO/40
		101mm Ø	245	125	50	6" x 4" (150 x100mm)	CIM64/RO/40

Heritage Cast Iron Moulded Ogee Gutter					HERITAGE CAST IRON RAINWATER	13
Description		Technical(mm)			Size	Code
S	Running Outlet c/w Spigot	A	B	C		Suffix /PA
 	75 x 75mm	251	124	50	4" x 3" (100 x 75mm)	CIM43/RO/33
	75 x 75mm	251	124	50	5" x 4" (125 x 100mm)	CIM54/RO/33
	75 x 75mm	251	124	50	6" x 4" (150 x 100mm)	CIM64/RO/33
	100 x 75mm	251	124	50	4" x 3" (100 x 75mm)	CIM43/RO/43
	100 x 75mm	251	124	50	5" x 4" (125 x 100mm)	CIM54/RO/43
	100 x 75mm	251	124	50	6" x 4" (150 x 100mm)	CIM64/RO/43
	100 x 100mm	251	124	50	5" x 4" (125 x 100mm)	CIM54/RO/44
	100 x 100mm	251	124	50	6" x 4" (150 x 100mm)	CIM64/RO/44
S	90 Deg Angle External	A	B	C		
 		28	79	50	4" x 3" (100 x 75mm)	CIM43/EA/90
		28	79	50	5" x 4" (125 x 100mm)	CIM54/EA/90
		25	70	50	6" x 4" (150 x 100mm)	CIM64/EA/90
S	90 Deg Angle Internal	A	B	C		
 		137	187	50	4" x 3" (100 x 75mm)	CIM43/IA/90
		165	210	50	5" x 4" (125 x 100mm)	CIM54/IA/90
		181	225	50	6" x 4" (150 x 100mm)	CIM64/IA/90
S	135 Deg Angle External	A	B	C		
 		35	79	50	4" x 3" (100 x 75mm)	CIM43/EA/135
		35	79	50	5" x 4" (125 x 100mm)	CIM54/EA/135
		41	89	50	6" x 4" (150 x 100mm)	CIM64/EA/135
S	135 Deg Angle Internal	A	B	C		
 		73	137	50	4" x 3" (100 x 75mm)	CIM43/IA/135
		84	137	50	5" x 4" (125 x 100mm)	CIM54/IA/135
		94	140	50	6" x 4" (150 x 100mm)	CIM64/IA/135
S	Fascia Bracket					
	10mm Stand Off				4" x 3" (100 x 75mm)	CIM43/FB/CI
					5" x 4" (125 x 100mm)	CIM54/FB/CI
					6" x 4" (150 x 100mm)	CIM64/FB/CI
S	Rafter Bracket Top Fix					
	230mm Long + Cup Approx. 30 Degrees				4" x 3" (100 x 75mm)	CIM43/RB/TF
					5" x 4" (125 x 100mm)	CIM54/RB/TF
					6" x 4" (150 x 100mm)	CIM64/RB/TF
S	Rafter Bracket Side Fix					
	230mm Long + Cup Approx. 30 Degrees 65mm Twist				4" x 3" (100 x 75mm)	CIM43/RB/SF
					5" x 4" (125 x 100mm)	CIM54/RB/SF
					6" x 4" (150 x 100mm)	CIM64/RB/SF
S	Drive in Rise & Fall Bracket					
	Spike 330mm Long Stud 140mm Long				4" x 3" (100 x 75mm)	CIM43/R&F/GS
					5" x 4" (125 x 100mm)	CIM54/R&F/GS
					6" x 4" (150 x 100mm)	CIM64/R&F/GS
S	Drive in Rise & Fall Bracket c/w Stay					
	Spike 330mm Long Stud 140mm Long Stay Projection 230mm				4" x 3" (100 x 75mm)	CIM43/R&F/GS/WS
					5" x 4" (125 x 100mm)	CIM54/R&F/GS/WS
					6" x 4" (150 x 100mm)	CIM64/R&F/GS/WS

Heritage Special Galvanised Steel Guttering Brackets

HERITAGE
CAST IRON RAINWATER

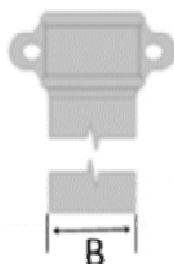
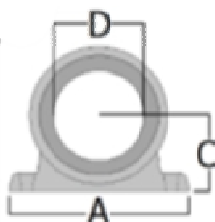
14

Description		Profile/Code	Size				For Painted Add Suffix /PA			
Rise & Fall 'T' Bracket		/R&FT/GS	4	4 1/2	5	6	5 x 3	4 x 3	5 x 4	6 x 4
	T' Width 104mm	Half Round	CIH40	CIH45	CIH50	CIH60				
	T' Depth 140mm	Beaded Half Round		CIB45	CIB50					
	T' Projection 113mm	Deep Half Round					CIDH53			
	Stud 140mm Long	Victorian Ogee		CIO45	CIO50					
		Moulded Ogee						CIM43	CIM54	CIM64
Rafter Bracket c/w Rise & Fall		/R&FSF/GS	4	4 1/2	5	6	5 x 3	4 x 3	5 x 4	6 x 4
	Slope Length 295mm	Half Round	CIH40	CIH45	CIH50	CIH60				
	Vertical Length 75mm	Beaded Half Round		CIB45	CIB50					
	Horizontal Length 100mm	Deep Half Round					CIDH53			
	Stud 140mm Long	Victorian Ogee		CIO45	CIO50					
	Side Fix	Moulded Ogee						CIM43	CIM54	CIM64
Rafter Bracket c/w Rise & Fall		/R&FTF/GS	4	4 1/2	5	6	5 x 3	4 x 3	5 x 4	6 x 4
	Slope Length 295m	Half Round	CIH40	CIH45	CIH50	CIH60				
	Vertical Length 70mm	Beaded Half Round		CIB45	CIB50					
	Horizontal Length 100mm	Deep Half Round					CIDH53			
	Stud 140mm Long	Victorian Ogee		CIO45	CIO50					
	Top Fix	Moulded Ogee						CIM43	CIM54	CIM64
Galvanised Steel Fascia Bracket		/FB/GS	4	4 1/2	5	6	5 x 3	4 x 3	5 x 4	6 x 4
	T' Width 104mm	Half Round	CIH40	CIH45	CIH50	CIH60				
		Beaded Half Round		CIB45	CIB50					
		Deep Half Round					CIDH53			
		Victorian Ogee		CIO45	CIO50					
		Moulded Ogee						CIM43	CIM54	CIM64
Repair Bracket		/RB/GS	4	4 1/2	5	6	5 x 3	4 x 3	5 x 4	6 x 4
	Back Plate Depth 120mm	Half Round	CIH40	CIH45	CIH50	CIH60				
		Beaded Half Round		CIB45	CIB50					
		Deep Half Round					CIDH53			
		Victorian Ogee		CIO45	CIO50					
Drive in Rise & Fall Bracket		/DB/GS	4	4 1/2	5	6	5 x 3	4 x 3	5 x 4	6 x 4
	Spike 330mm Long	Half Round	CIH40	CIH45	CIH50	CIH60				
		Beaded Half Round		CIB45	CIB50					
		Deep Half Round					CIDH53			
		Victorian Ogee		CIO45	CIO50					
		Moulded Ogee						CIM43	CIM54	CIM64
Drive in Rise & Fall Bracket c/w Stay		/DBWS/GS	4	4 1/2	5	6	5 x 3	4 x 3	5 x 4	6 x 4
	Spike 330mm Long	Half Round	CIH40	CIH45	CIH50	CIH60				
	Stay Projection 230mm	Beaded Half Round		CIB45	CIB50					
		Deep Half Round					CIDH53			
		Victorian Ogee		CIO45	CIO50					
		Moulded Ogee						CIM43	CIM54	CIM64
Rise & Fall Stay Only 13"		STAY/GS	All Sizes							
	Projection 230mm	All Sizes-Self Colour								
	Height 200mm		Fits All STAY/GS							
Spike 15"		SPIKE/**	All Sizes							
	All Sizes - Self Colour	13" (330mm)	Fits All SPIKE							
	All Sizes - Self Colour	15" (380mm)	Fits All SPIKE/15							


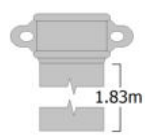

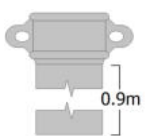

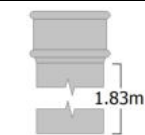

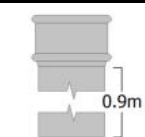

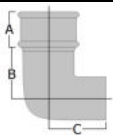

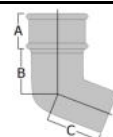

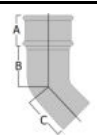

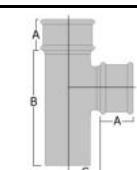
Heritage Cast Iron Round Rainwater Pipe


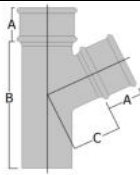

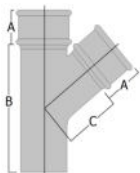

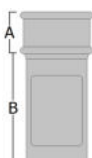



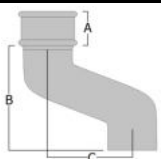



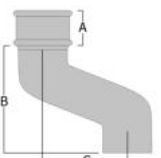

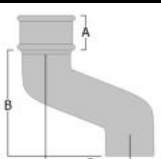
HERITAGE
CAST IRON RAINWATER


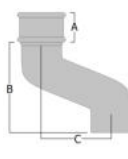

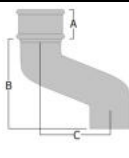

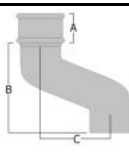

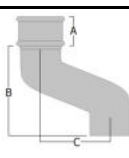

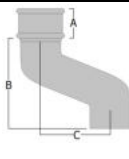

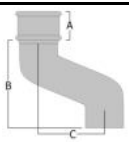

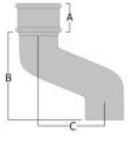

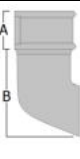
15


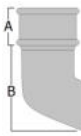

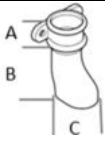

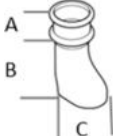

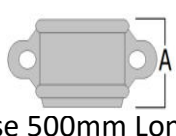
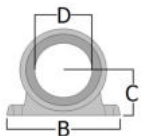

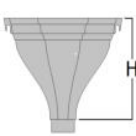
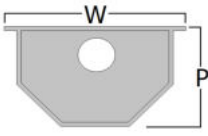

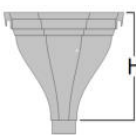
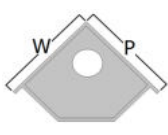

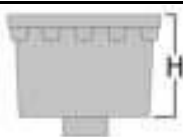
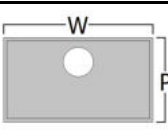

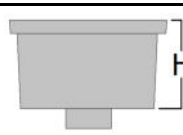
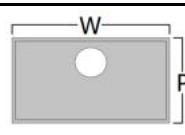


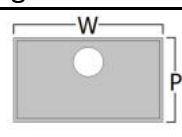


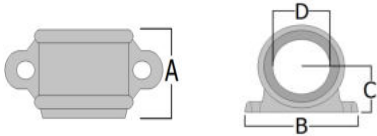
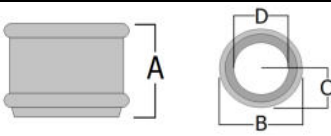





Code Ref.	CIR25/6FT	CIR30/6FT	CIR40/6FT
Length	1830mm	1830mm	1830mm
A=Width of Flange	155mm	162mm	195mm
B=Ext. Diameter	68mm	80mm	106mm
C=Centre to Wall	53mm	54mm	70mm
D=Socket Int. Diameter	72mm	87mm	111mm
Weight	13kg	15kg	18.5kg

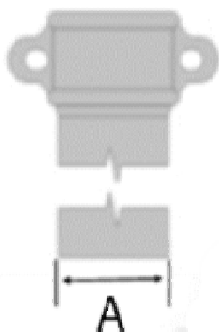
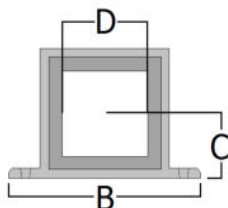
Description	Technical(mm)	Size	Code
S (6 ft) 1.83 Metre Length with Ears	A B C		Suffix /PA
		63mm (2 1/2")	CIR25/6FT
		76mm (3")	CIR30/6FT
		101mm (4")	CIR40/6FT
S (3 ft) 0.9 Metre Length with Ears			
		63mm (2 1/2")	CIR25/3FT
		76mm (3")	CIR30/3FT
		101mm (4")	CIR40/3FT
S (6 ft) 1.83 Metre Length without Ears			
		63mm (2 1/2")	CIR25/6FT/NE
		76mm (3")	CIR30/6FT/NE
		101mm (4")	CIR40/6FT/NE
S (3 ft) 0.9 Metre Length without Ears			
		63mm (2 1/2")	CIR25/3FT/NE
		76mm (3")	CIR30/3FT/NE
		101mm (4")	CIR40/3FT/NE
S 92.5 Deg Bend	A B C		
		75 60 140 63mm (2 1/2")	CIR25/B/92
		75 75 146 76mm (3")	CIR30/B/92
		80 90 160 101mm (4")	CIR40/B/92
S 112.5 Deg Bend	A B C		
		75 65 121 63mm (2 1/2")	CIR25/B/112
		75 60 124 76mm (3")	CIR30/B/112
		80 70 125 101mm (4")	CIR40/B/112
S 135 Deg Bend	A B C		
		75 44 108 63mm (2 1/2")	CIR25/B/135
		75 60 120 76mm (3")	CIR30/B/135
		80 60 110 101mm (4")	CIR40/B/135
S 92.5 Deg Branch	A B C		
		75 195 70 63mm (2 1/2")	CIR25/BR/92
		75 220 79 76mm (3")	CIR30/BR/92
		80 255 100 101mm (4")	CIR40/BR/92

Heritage Cast Iron Round Rainwater Pipe				HERITAGE CAST IRON RAINWATER	16
Description	Technical(mm)			Size	Code
S 112.5 Deg Branch	A	B	C		Suffix /PA
 	75	195	70	63mm (2 1/2")	CIR25/BR/112
	75	215	120	76mm (3")	CIR30/BR/112
	80	255	100	101mm (4")	CIR40/BR/112
S 135 Deg Branch	A	B	C		
 	75	195	100	63mm (2 1/2")	CIR25/BR/135
	75	220	124	76mm (3")	CIR30/BR/135
	80	260	155	101mm (4")	CIR40/BR/135
S Access Pipes No Ears	A	B	C		
 	75	330		63mm (2 1/2")	CIR25/ACP/NE
	75	330		76mm (3")	CIR30/ACP/NE
	80	330		101mm (4")	CIR40/ACP/NE
S Access Pipes	A	B	C		
 	75	330		63mm (2 1/2")	CIR25/ACP
	75	330		76mm (3")	CIR30/ACP
	80	330		101mm (4")	CIR40/ACP
S 112.5 Deg Offset - 76mm	A	B	C		
 	75	190	76	63mm (2 1/2")	CIR25/OF/03
	75	190	76	76mm (3")	CIR30/OF/03
	80	210	76	101mm (4")	CIR40/OF/03
S 112.5 Deg Offset - 114mm	A	B	C		
 	75	210	114	63mm (2 1/2")	CIR25/OF/04
	75	210	114	76mm (3")	CIR30/OF/04
	80	225	114	101mm (4")	CIR40/OF/04
S 112.5 Deg Offset - 152mm	A	B	C		
 	75	225	152	63mm (2 1/2")	CIR25/OF/06
	75	232	152	76mm (3")	CIR30/OF/06
	80	232	152	101mm (4")	CIR40/OF/06
S 112.5 Deg Offset - 228mm	A	B	C		
 	75	257	228	63mm (2 1/2")	CIR25/OF/09
	75	264	228	76mm (3")	CIR30/OF/09
	80	280	228	101mm (4")	CIR40/OF/09

Heritage Cast Iron Round Rainwater Pipe				HERITAGE CAST IRON RAINWATER		17	
Description		Technical(mm)		Size		Code	
S	112.5 Deg Offset - 305mm			A	B	C	Suffix /PA
							
		75	289	305	63mm (2 1/2")	CIR25/OF/12	
		75	295	305	76mm (3")	CIR30/OF/12	
		80	320	305	101mm (4")	CIR40/OF/12	
S	112.5 Deg Offset - 381mm			A	B	C	
							
		75	321	381	63mm (2 1/2")	CIR25/OF/15	
		75	327	381	76mm (3")	CIR30/OF/15	
		80	330	381	101mm (4")	CIR40/OF/15	
S	112.5 Deg Offset - 457mm			A	B	C	
							
		75	352	457	63mm (2 1/2")	CIR25/OF/18	
		75	359	457	76mm (3")	CIR30/OF/18	
		80	360	457	101mm (4")	CIR40/OF/18	
S	112.5 Deg Offset - 533mm			A	B	C	
							
		75	360	533	63mm (2 1/2")	CIR25/OF/21	
		75	390	533	76mm (3")	CIR30/OF/21	
		80	400	533	101mm (4")	CIR40/OF/21	
S	112.5 Deg Offset - 609mm			A	B	C	
							
		75	380	609	63mm (2 1/2")	CIR25/OF/24	
		75	470	609	76mm (3")	CIR30/OF/24	
		80		609	101mm (4")	CIR40/OF/24	
S	112.5 Deg Offset - 685mm			A	B	C	
							
		75		685	63mm (2 1/2")	CIR25/OF/21	
		75		685	76mm (3")	CIR30/OF/21	
		80		685	101mm (4")	CIR40/OF/21	
S	112.5 Deg Offset - 762mm			A	B	C	
							
		75		762	63mm (2 1/2")	CIR25/OF/24	
		75		762	76mm (3")	CIR30/OF/24	
		80		762	101mm (4")	CIR40/OF/24	
S	Shoe With Ears			A	B	C	
							
		75	90		63mm (2 1/2")	CIR25/SH/E	
		75	100		76mm (3")	CIR30/SH/E	
		80	135		101mm (4")	CIR40/SH/E	

Heritage Cast Iron Round Rainwater Pipe				HERITAGE CAST IRON RAINWATER		18			
Description		Technical(mm)		Size		Code			
S	Shoe Without Ears			A	B	C			
									
		75	90		63mm (2 1/2")	CIR25/SH			
		75	100		76mm (3")	CIR30/SH			
80	135		101mm (4")	CIR40/SH					
S	Anti-Splash Shoe			A	B	C			
									
		75	150	102	63mm (2 1/2")	CIR25/SH/AE			
		75	163	150	76mm (3")	CIR30/SH/AE			
S	Anti-Splash Shoe Without Ears			A	B	C	Suffix /PA		
									
		75	150	102	63mm (2 1/2")	CIR25/SH/A			
		75	163	150	76mm (3")	CIR30/SH/A			
S	Diverter Kit c/w Hose & Connectors			A	B	C			
									
		Hose 500mm Long		68	95	48	74	63mm (2 1/2")	CIR25/DIV
		68	160	54	84	76mm (3")	CIR30/DIV		
			132	67	111	101mm (4")	CIR40/DIV		
S	Rainwater Head - Flat Back			W	P	H			
									
		300	190	210	63mm (2 1/2")	CIHH/001/25F			
		300	190	210	76mm (3")	CIHH/001/30F			
330	220	240	101mm (4")	CIHH/001/40F					
S	Rainwater Head - Corner			W	P	H			
									
		210	210	220	63mm (2 1/2")	CIHH/001/25C			
		210	210	220	76mm (3")	CIHH/001/30C			
235	235	241	101mm (4")	CIHH/001/40C					
S	Rainwater Head-Castellated Rectangular			W	P	H			
									
		250	180	180	63mm (2 1/2")	CIHH/C/25			
		250	180	180	76mm (3")	CIHH/C/30			
250	180	180	101mm (4")	CIHH/C/40					
S	Rainwater Head-Rectangular Small			W	P	H			
									
		245	178	178	63mm (2 1/2")	CIHH/002/25			
		245	178	178	76mm (3")	CIHH/002/30			
245	178	178	101mm (4")	CIHH/002/40					
S	Rainwater Head-Rectangular Large			W	P	H			
									
		300	250	203	63mm (2 1/2")	CIHH/003/25			
		300	250	203	76mm (3")	CIHH/003/30			
			300	250	203	76mm (3")	CIHH/003/40		

Heritage Cast Iron Round Rainwater Pipe					HERITAGE CAST IRON RAINWATER		19		
Description			Technical(mm)		Size		Code		
S	Sockets With Ears	Spigoted		A	B	C	D		
				68	95	48	74	63mm (2 1/2")	CIR25/LS
				68	160	54	84	76mm (3")	CIR30/LS
				75	132	67	111	101mm (4")	CIR40/LS
S	Sockets Without Ears	Spigoted		A	B	C	D		
				80	95	48	74	63mm (2 1/2")	CIR25/LS/NE
				80	110	54	84	76mm (3")	CIR30/LS/NE
				80	132	67	111	101mm (4")	CIR40/LS/NE
S	Ear Belt - Cast Iron								
						63mm (2 1/2")		CIR25/EB/ST	
						76mm (3")		CIR30/EB/ST	
						101mm (4")		CIR40/EB/ST	
S	Pipe Clip - Galvanised Steel								
		Stand Off To Suit Eared Pipe				63mm (2 1/2")		CIR25/PC	
						76mm (3")		CIR30/PC	
						101mm (4")		CIR40/PC	
S	Extended Pipe Clip - Galvanised Steel								
		215mm Max Stand Off				63mm (2 1/2")		CIR25/PC/EX	
						76mm (3")		CIR30/PC/EX	
						101mm (4")		CIR40/PC/EX	
S	Pipe Clip c/w Spike - Galvanised Steel								
		Spike Length 150mm				63mm (2 1/2")		CIR25/S	
						76mm (3")		CIR30/S	
						101mm (4")		CIR40/S	
S	Holdfast Bracket								
						63mm (2 1/2")		CIR25/HF	
						76mm (3")		CIR30/HF	
						101mm (4")		CIR40/HF	



Code Ref.	CIS33/6FT	CIS43/6FT	CIS44/6FT
Length	1830mm	1830mm	1830mm
A=Ext. Diameter	86x86mm	110x85mm	110x110mm
B=Width of Flange	180mm	210mm	220mm
C=Centre to Wall	50mm	50mm	70mm
D=Socket Int. Diameter	90x90mm	161x91mm	112(w)x114mm
Weight	25kg	30.5kg	36kg

Description	Technical(mm)	Size	Code
-------------	---------------	------	------

Length with Ears

Suffix /PA

	(6ft) 1.83m Length	75 x 75mm(3x3")	CIS33/6FT
	(6ft) 1.83m Length	100 x 75mm(4x3")	CIS43/6FT
	(6ft) 1.83m Length	100 x 100mm(4x4")	CIS44/6FT
	(3ft) 0.9m Length	75 x 75mm(3x3")	CIS33/3FT
	(3ft) 0.9m Length	100 x 75mm(4x3")	CIS43/3FT
	(3ft) 0.9m Length	100 x 100mm(4x4")	CIS44/3FT
	0.5m Length	100 x 75mm(4x3")	CIS43/0.5M

Length without Ears

	(6ft) 1.83m Length	75 x 75mm(3x3")	CIS33/6FT/NE
	(6ft) 1.83m Length	100 x 75mm(4x3")	CIS43/6FT/NE
	(6ft) 1.83m Length	100 x 100mm(4x4")	CIS44/6FT/NE
	(3ft) 0.9m Length	75 x 75mm(3x3")	CIS33/3FT/NE
	(3ft) 0.9m Length	100 x 75mm(4x3")	CIS43/3FT/NE
	(3ft) 0.9m Length	100 x 100mm(4x4")	CIS44/3FT/NE
	0.5m Length	100 x 75mm(4x3")	CIS43/0.5M/NE

92.5 Deg Bend

Front & Back Without Ears

A B C Suffix /PA

		100	95	200	75 x 75mm(3x3")	CIS33/B/92FB
		100	108	213	100 x 75mm(4x3")	CIS43/B/92FB
		100	108	213	100 x 100mm(4x4")	CIS44/B/92FB

112.5 Deg Bend

Front & Back Without Ears

A B C Suffix /PA


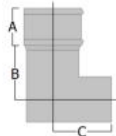

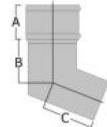

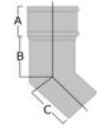

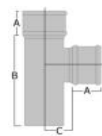

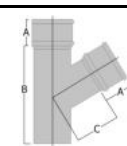

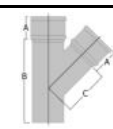

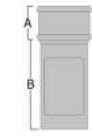

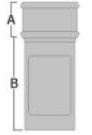

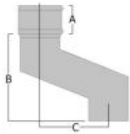
		100	83	170	75 x 75mm(3x3")	CIS33/B/112FB
		100	93	180	100 x 75mm(4x3")	CIS43/B/112FB
		100	93	180	100 x 100mm(4x4")	CIS44/B/112FB

135 Deg Bend


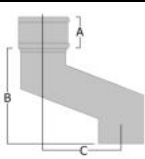

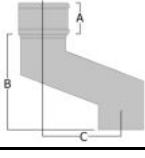

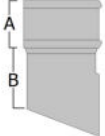

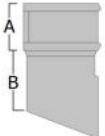



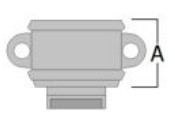



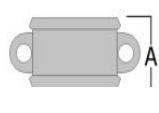


Front & Back Without Ears

A B C Suffix /PA

		100	70	140	75 x 75mm(3x3")	CIS33/B/135FB
		100	73	143	100 x 75mm(4x3")	CIS43/B/135FB
		100	73	143	100 x 100mm(4x4")	CIS44/B/135FB

Heritage Square/Rectangular Cast Iron Rainwater Pipe				HERITAGE CAST IRON RAINWATER		21	
Description		Technical(mm)		Size		Code	
92.5 Deg Bend		Left or Right Without Ears		A	B	C	Suffix /PA
		100	95	200	75 x 75mm(3x3")		CIS33/B/92LR
		100	95	200	100 x 75mm(4x3")		CIS43/B/92LR
		100	108	213	100 x 100mm(4x4")		CIS44/B/92LR
112.5 Deg Bend		Left or Right Without Ears		A	B	C	
		100	83	170	75 x 75mm(3x3")		CIS33/B/112LR
		100	83	170	100 x 75mm(4x3")		CIS43/B/112LR
		100	93	180	100 x 100mm(4x4")		CIS44/B/112LR
135 Deg Bend		Left or Right Without Ears		A	B	C	
		100	70	140	75 x 75mm(3x3")		CIS33/B/135LR
		100	70	140	100 x 75mm(4x3")		CIS43/B/135LR
		100	73	143	100 x 100mm(4x4")		CIS44/B/135LR
92.5 Deg Branch				A	B	C	
		100	255	75	75 x 75mm(3x3")		CIS33/BR/92
		100	280	90	100 x 75mm(4x3")		CIS43/BR/92
		100	280	90	100 x 100mm(4x4")		CIS44/BR/92
112.5 Deg Branch				A	B	C	
		100	290	101	75 x 75mm(3x3")		CIS33/BR/112
		100	315	120	100 x 75mm(4x3")		CIS43/BR/112
		100	315	120	100 x 100mm(4x4")		CIS44/BR/112
135 Deg Branch				A	B	C	
		100	315	121	75 x 75mm(3x3")		CIS33/BR/135
		100	350	150	100 x 75mm(4x3")		CIS43/BR/135
		100	350	150	100 x 100mm(4x4")		CIS44/BR/135
Access Pipes		Without Ears		A	B	C	
		82	295		75 x 75mm(3x3")		CIS33/ACP
		82	295		100 x 75mm(4x3")		CIS43/ACP
		82	295		100 x 100mm(4x4")		CIS44/ACP
Access Pipes		Without Ears		A	B	C	
		82	295		75 x 75mm(3x3")		CIS33/ACP
		82	295		100 x 75mm(4x3")		CIS43/ACP
		82	295		100 x 100mm(4x4")		CIS44/ACP
135 Deg Plinth Offset		76mm (3") Without Ears		A	B	C	Front Projection
		95	211	70	75 x 75mm(3x3")		CIS33/OF/03P
		95	211	70	100 x 75mm(4x3")		CIS43/OF/03P
		95	221	75	100 x 100mm(4x4")		CIS44/OF/03P

Heritage Square/Rectangular Cast Iron Rainwater Pipe					HERITAGE CAST IRON RAINWATER		22	
Description		Technical(mm)		Size		Code		
135 Deg Plinth Offset		114mm (4") Without Ears		A	B	C	Front Projection	Suffix /PA
				100	299	114	75 x 75mm(3x3")	CIS33/OF/04P
				100	299	114	100 x 75mm(4x3")	CIS43/OF/04P
				100	309	114	100 x 100mm(4x4")	CIS44/OF/04P
135 Deg Plinth Offset		152mm (6") Without Ears		A	B	C	Front Projection	
				100	337	152	75 x 75mm(3x3")	CIS33/OF/06P
				100	337	152	100 x 75mm(4x3")	CIS43/OF/06P
				100	347	152	100 x 100mm(4x4")	CIS44/OF/06P
135 Deg Plinth Offset		With Ears		A	B	C	Front Projection	
		2" (50mm)		95	128	63	100 x 75mm(4x3")	CIS43/OF/02PE
		3" (75mm)		95	211	75	75 x 75mm(3x3")	CIS33/OF/03PE
		3" (75mm)		95	211	75	100 x 75mm(4x3")	CIS43/OF/03PE
		3" (75mm)		95	211	75	100 x 100mm(4x4")	CIS44/OF/03PE
112.5 Deg Offset		76mm (3") Without Ears		A	B	C		
				100	244	76	75 x 75mm(3x3")	CIS33/OF/03
				100	244	76	100 x 75mm(4x3")	CIS43/OF/03
				100	258	76	100 x 100mm(4x4")	CIS33/OF/03
112.5 Deg Offset		114mm (4") Without Ears		A	B	C		
				100	266	114	75 x 75mm(3x3")	CIS33/OF/04
				100	266	114	100 x 75mm(4x3")	CIS43/OF/04
				100	280	114	100 x 100mm(4x4")	CIS44/OF/04
112.5 Deg Offset		152mm (6") Without Ears		A	B	C		
				100	390	152	75 x 75mm(3x3")	CIS33/OF/06
				100	390	152	100 x 75mm(4x3")	CIS43/OF/06
				100	404	152	100 x 100mm(4x4")	CIS44/OF/06
112.5 Deg Offset		228mm (9") Without Ears		A	B	C		
				100	420	228	75 x 75mm(3x3")	CIS33/OF/09
				100	420	228	100 x 75mm(4x3")	CIS43/OF/09
				100	434	228	100 x 100mm(4x4")	CIS44/OF/09
112.5 Deg Offset		304mm (12") Without Ears		A	B	C		
				100	460	305	75 x 75mm(3x3")	CIS33/OF/12
				100	460	305	100 x 75mm(4x3")	CIS43/OF/12
				100	474	305	100 x 100mm(4x4")	CIS44/OF/12

Heritage Square/Rectangular Cast Iron Rainwater Pipe					HERITAGE CAST IRON RAINWATER	23
Description		Technical(mm)		Size	Code	
112.5 Deg Offset	381mm (15") Without Ears	A	B	C	Suffix /PA	
		100		381	75 x 75mm(3x3")	CIS33/OF/15
		100		381	100 x 75mm(4x3")	CIS43/OF/15
		100		381	100 x 100mm(4x4")	CIS44/OF/15
112.5 Deg Offset	457mm (18") Without Ears	A	B	C		
		100		457	75 x 75mm(3x3")	CIS33/OF/18
		100		457	100 x 75mm(4x3")	CIS43/OF/18
		100		457	100 x 100mm(4x4")	CIS44/OF/18
Shoe Without Ears		A	B	C		
		100	130		75 x 75mm(3x3")	CIS33/SH
		100	140		100 x 75mm(4x3")	CIS43/SH
		100	155		100 x 100mm(4x4")	CIS33/SH
Shoe With Ears		A	B	C		
		100	130		75 x 75mm(3x3")	CIS33/SH/E
		100	140		100 x 75mm(4x3")	CIS43/SH/E
		100	155		100 x 100mm(4x4")	CIS44/SH/E
Rainwater Head Rectangular Large - 305 x 250 x 200mm		W	P	H		
		300	250	203	75 x 75mm(3x3")	CIHH/003/33
		300	250	203	100 x 75mm(4x3")	CIHH/003/43
		300	250	203	100 x 100mm(4x4")	CIHH/003/44
Sockets With Ears	Spigoted	A	B	C	D	
		100	184	55	90	75 x 75mm(3x3")
		100	208	55	116	100 x 75mm(4x3")
		100	205	65	116	100 x 100mm(4x4")
Sockets Without Ears	Spigoted	A	B	C	D	
		100	120	55	90	75 x 75mm(3x3")
		100	150	55	116	100 x 75mm(4x3")
		100	150	65	116	100 x 100mm(4x4")
Sockets With Ears	Female to Female	A	B	C	D	
		100	180	55	90	75 x 75mm(3x3")
		100	208	55	116	100 x 75mm(4x3")
		100	202	65	116	100 x 100mm(4x4")
Sockets Without Ears	Female to Female	A	B	C	D	
		100	120	55	90	75 x 75mm(3x3")
		100	150	55	116	100 x 75mm(4x3")
		100	150	65	116	100 x 100mm(4x4")

HERITAGE CAST IRON GUTTERING INSTALLATION GUIDE

Heritage cast iron gutters are available in a choice of four profiles with a range of brackets to accommodate all types of eaves condition. Each profile range can be connected to cast iron pipe work systems in either round, square or rectangular. Assembly and installation of each profile range must be considered individually, although general aspects of preparation are common to them all as shown below.

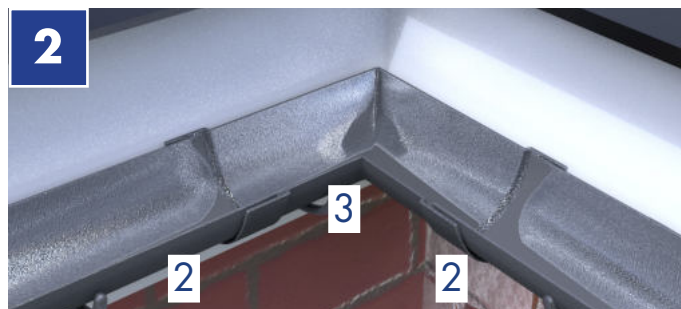
- 1 FASCIA BRACKET
- 2 GUTTER LENGTH
- 3 90 DEGREE GUTTER ANGLE

Aquaseal alternative sealing method

For half round gutter only the unique system is recommended. The system comprises preformed rubber seals that are quick and easy to install and totally reliable. Aquaseal offers a faster and cleaner solution to gutter jointing systems. For 100, 115 and 125 use Aquaseal. For 150 use Aquaseal/6.



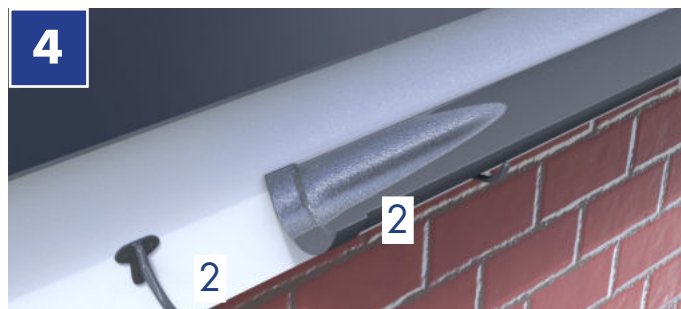
Using a straight edge or ruler, shim gutter brackets with 5mm clearance so that the last roof tile or slate will align with the midpoint of the gutter. Generally, position brackets at 915mm centres allowing additional brackets on either side of where the pipe joins. Using a string line to set out brackets to fall of 1:600 to 1:350 (max) or if not possible level.



Plumb the outlets with gullies at ground level. Position angles, allowing an additional bracket adjacent to the joint with the gutter length.



Lower the gutter onto the brackets ensuring sufficient clearance for the gutter joint. Clip gutter into bracket.

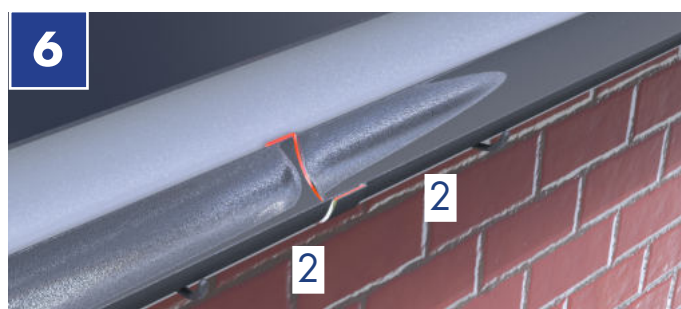


Cast gutters overlap at the joint with a spigot and socket. Thoroughly clean and degrease the end that must be jointed.



Apply two 6mm beads of DOW 791 silicone sealant either side of, and around the fixing hole.

Insert the spigot end of the gutter allowing a 3mm expansion gap. Secure joint using bright zinc plated, mild steel M6x25mm nut, bolt and washer provided. (Bolt head preferably to the underside).



Finally, cone off the exposed bolt stud and nut inside the gutter with a generous application of silicone around the joint and from external surfaces.

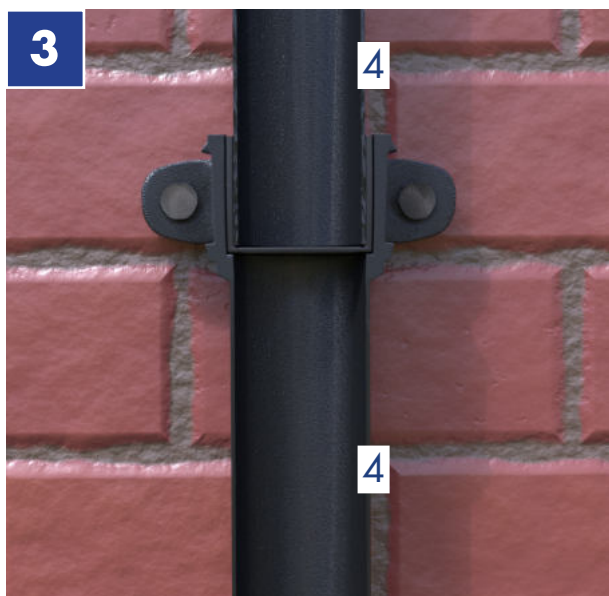
HERITAGE CAST IRON RAINWATER PIPE INSTALLATION GUIDE

Heritage cast iron traditional rainwater pipes have cast pipe sockets either with ear for wall fixing or without for use with a holderbat or holdfast brackets. Installation is generally from eaves downwards.



Where square or rectangular pipes are being installed and offsets are required, alignment between the gutter outlet and gully must be exact. Round pipe systems are more flexible to install and offsets can be adjusted and 'swung' into alignment with the gully position.

Commence installation from the gutter outlet by fitting offsets. Check vertical plumb line positioning and seal spigot and socket joint using DOW 791 silicone sealant.

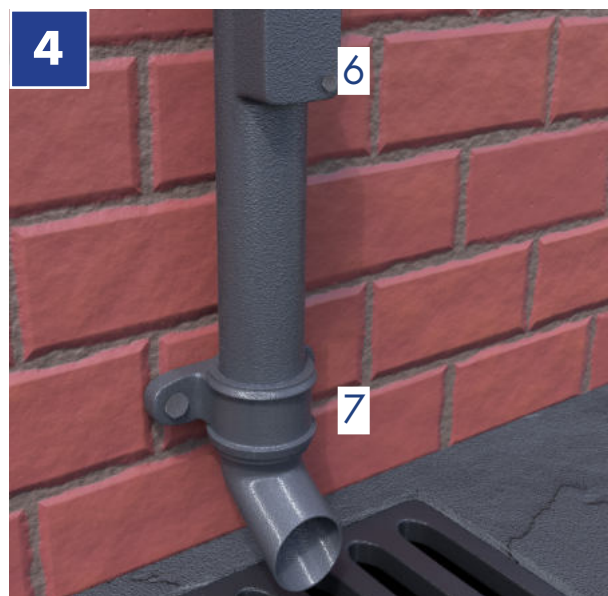


Seal with DOW 791 silicone sealant. Fit to wall at 2m centres using No12 x50mm screws. Eared sockets have elongated fixing holes to permit the use of pipe nails or coach bolts.

- 1 GUTTER LENGTH
- 2 RUNNING OUTLET
- 3 OFFSET PIPE
- 4 RAINWATER PIPE LENGTH
- 5 PIPE BRANCH
- 6 ACCESS PIPE
- 7 PIPE SHOE



Bends and brackets are secured into the pipes sockets.



At ground level rainwater pipes can terminate with a shoe for free discharge over a gully or be directly connected into the gully. In the case of direct connection it is recommended that an access pipe fitting is included within 750mm of the ground.

Heritage Cast Iron Rainwater System

R10 Rainwater Drainage Systems

GENERAL

Gravity Rainwater Drainage System.

Rainwater outlets, gutters, pipework and accessories as per detail sections below.

SYSTEM PERFORMANCE

Design Standard: To BS EN 12056-3:2000, clauses 3-7 and National Annexes.

Collection and Distribution of Rainwater: Complete, and without leakage or noise nuisance.

Design Parameters: Design rate of rainfall as per BS EN 12056-3:2000, National Annex NB.2 - Category 1

PRODUCTS

HERITAGE CAST IRON GUTTER

Gutters and fittings to: BS 8530 (formerly BS 2997)

Reference: Heritage cast iron rainwater system

Profile: Half Round / Beaded Half Round / Deep Run Half Round / Victorian Ogee / Traditional Ogee / Moulded Ogee

Size: 100mm / 114mm / 125mm / 150mm / 100 x 75mm / 125 x 75mm / 125 x 100mm / 150 x 100mm

Outlet Size: 63mm / 75mm / 100mm / 75 x 75mm / 100 x 75mm / 100 x 100mm

Manufacture: Complies with BS 460:2000 Cast Iron Rainwater Goods.

Finish: Heritage Transit Primed (for Site Painting) or Heritage Premier 4 Coat Factory Painted Finish.

Colour: To be advised

Jointing: Gutter lengths or fittings are overlapped at the joint with a spigot and socket. Slots are provided for fixing using M6 mushroom head Zinc Plated nuts and washers. Seal evenly across the joints with Dow Corning 791.

Fixing: Fascia bracket fixed at 915mm centres and at each fitting using number 12x38mm round head twin thread screws and washers bright zinc plated.

PRODUCTS

HERITAGE CAST IRON DOWNPIPE

Reference: Heritage Cast Iron rainwater pipe c/w Eared / plain non eared / Collars, fittings and accessories to: BS 2997

Size: 63mm / 75mm / 100mm / 75 x 75mm / 100 x 75mm / 100 x 100mm

Manufacture: Complies with BS 460:2000 Cast Iron Rainwater Goods.

Finish: Heritage Transit Primed (for Site Painting) or Heritage Premier 4 Coat Factory Painted Finish.

Colour: To be advised

Fixing: Pipe clip fixed at maximum 1.83m centres. Plug and screw to wall with M8 x 75mm Coach Bolt bright zinc plated to BS 1706:1960 Class ZN3. Seal joints with Dow Corning 791 silicone sealant allowing for a 3-4 mm vertical thermal movement gap.

Accessories: Bends, Branches, Access Pipes, Offsets, Shoes, Rainwater Heads.

CARE & MAINTENANCE

ROUTINE INSPECTION

Regularly clean out rainwater heads and gutters and ensure that downpipes are clear at all times. Check that joints and fixings are secure by periodic inspection, not less than twice a year, and preferably at the beginning of autumn and again at the end of winter. Sand cast iron is a reasonable standard of maintenance, an installation should have a life of at least 40 years.

LADDERS

Even with a well fixed installation, ladders should not be rested against the gutter.

REPAINTING

The final paint finish on factory-primed cast iron must be maintained to give the longest service life. A well applied paint system might be expected to last from 6-8 years on cast iron without further attention. Regular inspection is recommended.

It is recommended that pre-finished cast iron is maintained as above. It is important that any installation damage to the coating is repaired with the appropriate touch-up paint. Any cut pieces exposing bare metal must be coated with primer and top coat.

OTHER MAINTENANCE OPERATIONS

When cleaning adjacent surfaces, cast iron should be protected against all acids and concentrated alkalis.

Heritage Cast Iron Soil Pipe Systems

Pipe Profiles & Sizes

Heritage LCC Push Fit



LCC Push-Fit Soil

50mm (2") (Actual 58mm)

100mm (4") (Actual 110mm)

Traditional LCC



Traditional LCC Soil

50mm (2") (Actual 63mm)

100mm (4") (Actual 114mm)

Heritage Cast Iron LCC Push-Fit Soil System

Heritage LCC Push-Fit Soil range is an industry leading cast iron push fit soil system designed for a lifetime performance. The distortion resistant and sound deadening properties of cast iron make it particularly suitable for soil and waste solutions.

Cast Iron is a sustainable material. This means that after serving the needs of a building for its lifetime it can be fully recycled, not downcycled. Correctly installed cast iron systems can last in excess of 100 years with minimal maintenance requirements.

Heritage LCC Push-Fit utilises push fit sockets fitted with rubber sealing gaskets to join 100mm socketless pipes and fittings. The push fit method provides substantial savings in labour for each joint. Full installation instructions can be provided, no specialist training is required.

This contemporary cast iron system replicates the appearance of a caulked lead jointed system providing the heritage aesthetic appearance of traditional LCC soil systems and is suitable for listed properties and conservation projects

Manufactured to BS416 part 2 standard, Heritage LCC Push-Fit products are supplied pre-painted ready to install offering increased additional time saving on site.

Features:

- Push fit sockets fitted with 2 EPDM rubber sealing gaskets
- Sockets available in 3 versions: Eared, Plain and Slip Eared
- Pipes available in 0.9m and 1.8m lengths to match the appearance of BS416 part 1
- Pipes available in 50mm and 100mm Diameter

Typical Applications:

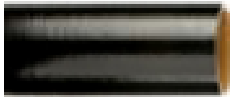



- Restoration and new build contracts
- Traditional heritage projects
- Listed and conservation properties
- Quality domestic properties and luxury housing
- Government and community buildings

Coloured Cast Iron Pricing

Heritage Cast Iron LCC Push-Fit Soil is now available in a full range RAL & BS colours. There is a surcharge of £50 per order for colours in our standard range (see below) – excluding stock black semi-gloss. Other colours (not listed) will have a minimum surcharge of £100 per order. However, some colours may incur a further surcharge. Please call 01536 762400 for further details

Painted black semi-gloss orders can be delivery in 48 Hours, standard colours in 7 Working days. Any other colours 10/12 working days. Please call 01536 762400 for further details.



Description	Pipe	Technical (mm)				Description	Suffix /PA
	(Nominal)	(Actual)					
	S 100mm	110	1830			0.9m Pipe Length	SX40/3FT
	S 100mm	110	915			1.83m Pipe Length	SX40/6FT
	S 50mm	58	1830			0.9m Pipe Length	SX20/3FT
	S 50mm	58	915			1.83m Pipe Length	SX20/6FT
Push Fit Collars	Size	A	B	C	D		
	S 100mm	110	66	203		Push Fit Eared Collar	SX40/PS
	S 100mm	110	66			Push Fit Non Eared Collar	SX40/PS/NE
	S 50mm	58	60	161		Push Fit Eared Collar	SX20/PS
	S 50mm	58	60			Push Fit Eared Collar	SX20/PS/NE
	100mm	110	66	203		Push Fit Eared Slip Collar	SX40/SS
	100mm	110	66			Push Fit Non Eared Slip Collar	SX40/SS/NE
Short Radius Bend	Size	A	B	C	D		
	S 100mm	110	110			92.5 Deg Short Radius Bend	SX40/SRB/92
	S 50mm	58	75			92.5 Deg Short Radius Bend	SX20/SRB/92
112.5 Deg	S 100mm	110	90			112.5 Deg Short Radius Bend	SX40/SRB/112
	S 100mm	110	70			135 Deg Short Radius Bend	SX40/SRB/135
	S 50mm	58	50			135 Deg Short Radius Bend	SX20/SRB/135
92.5 Deg Short Radius Bend c/w Access	Size	A	B	C	D		
	S 100mm	110	110			92.5 Deg Short Radius Bend c/w Access	SX40/SRB/A/92
92.5 Deg Long Radius Bend	Size	A	B	C	D		
	S 100mm	110	269			92.5 Long Radius Bend	SX40/LRB/92
Branch	Size	A	B	C	D		
	S 100mm	110	220	102	150	92.5 Deg Single Branch	SX40/BR/92
	S 50mm	58	145	66	80	92.5 Deg Single Branch	SX20/BR/92
112.5 Deg	S 100mm	110	2015	130	130	112.5 Deg Single Branch	SX40/BR/112
	S 100mm	110	270	205	205	135 Deg Single Branch	SX40/BR/135

Heritage LCC Push-Fit Soil

HERITAGE
CAST IRON RAINWATER

30

Description	Pipe (Nominal)	Technical (mm) (Actual)				Description	Suffix /PA
	Size	A	B	C	D		
Single Branch c/w Access	100mm	110	270	102	150		
 	S Size	E				92.5 Deg Single Branch	SX40/BR/A/92
	115						
Single Unequal Branch	Size	A	B	C	D		
 	S 100mm	110	170	76	110	92.5 Deg Un-equal Branch	SX40/BRU/50/92
	E						
	58						
Access Pipe	Size	A	B	C	D		
   	S 100mm	110	250	115		Access Pipe Oval Door	SX40/APO
	S 100mm	110	250	160		Access Pipe Round Door	SX40/APR
Boss Pipe	Size	A	B	C	D		
  	S 100mm	110	155			Boss Pipe c/w 2" Boss	SX40/BP/2
	S 100mm	110				Stap on Boss c/w 2" Boss	SX40/SOB/2
Offset Pipe	Size	A	B	C	D		
 	S 100mm	110	205	65		Offset Pipe - 65mm	SX40/OF/65
	S 100mm	110	270	130		Offset Pipe - 130mm	SX40/OF/130
	S 100mm	110	340	200		Offset Pipe - 200mm	SX40/OF/200
	S 100mm	110	320	305		Offset Pipe - 305mm	SX40/OF/305
Reducer & Blank End	Size	A	B	C	D		
 	S 100mm	110	58	45	30	Reducer 100/50mm	SX40/R/50
	S 100mm	110	40			Blank End 100mm	SX40/BE
Pipe Brackets	Size						
  	S 100mm			Galv Steel		Pipe Clip	SX40/PC
	S 100mm	250		Galv Steel		Extended Pipe Clip	SX40/PC/EX
	S 100mm			Cast Iron		Pipe Bracket	SX40/PC/CI
	S 50mm			Cast Iron		Pipe Bracket	SX20/PC/CI
Cowl & Leaf Guard	Size						
 	S 100mm					100mm Wire Balloon	LEAF/40
	S 50mm					50mm Wire Balloon	LEAF/25
	S 100mm					Cowl - Chinamans Hat	SX40/CW
Tube of Lubricant							
	S 250ml					50ml Tube of Lubricant	SX/L

Heritage LCC Push-Fit Soil

Installation Guide

Cast Iron is particularly well suited for all drainage systems both above and below ground. Strong and durable, it can be mechanically de-blocked and will withstand vandalism and site handling. This robust material will last the lifetime of the building when correctly installed, annually inspected and any minimal remedial actions taken. It's design capability meets the needs of restoration, refurbishment, conservation and heritage projects as well as bespoke and unique new build. Cast Iron is 100% recyclable and offers fire-resistance without the fear of toxic fumes. Pipes and fittings from the Heritage LCC are manufactured in grey cast iron and meet BS EN 12056 for gravity drainage systems. They are factory coated with a two-pack black semi-gloss paint finish and are suitable for internal and external applications. Push fit sockets are fitted with 2 EPDM rubber sealing gaskets and are available in three versions: eared, plain and slipped ears. Pipes are available in 1.8m lengths to match appearance of BS 416 Part 1. Design of the soil stack should allow at least one eared socket on each fitting to anchor the system securely to the building. Install from bottom to top of soil stack. The first pipe/fitting should connect to the underground drainage system to provide a secure base. The assembly joints are designed to be a tight fit to comply with a pressure test and to give long-life performance.



1

Apply a small amount of lubricant to the rubber gasket at both ends of the push-fit socket so that the pipes and fittings can be inserted into the socket.



2

Repeat the lubrication procedure to the pipe.



3

Once both pipe and gasket are lubricated, push the socket over the end of the pipe. Make sure the pipe end is fully inserted and abuts the central register in the socket.



4

If the socket is eared, securely fix to wall using corrosion-resistant coach bolt.



5

Push the next pipe/fitting into the socket, checking it is fully inserted and abuts the central register. Repeat the process on the remaining joints until the stack is completed.

Heritage Cast Iron LCC Push-Fit Soil Pipe

R11 Above Ground Foul Drainage System

GENERAL

Gravity Foul Drainage System.

Sanitary and waste pipework, ventilating pipework.

SYSTEM PERFORMANCE

Design Standard: To BS EN 12056: Code of practice for gravity drainage systems.

Collection and Distribution of Foul Water: Complete, and without leakage or noise nuisance.

Design Parameters: Self-cleansing, and without blockage, crossflow, backfall, leakage, odours or noise. Pipework pressure fluctuations: $\pm 38\text{mm}$ (max). Trap water seal: 25mm (min).

PRODUCTS (TYPICAL SPECIFICATION)

HERITAGE LCC PUSH FIT CAST IRON

Reference: Heritage LCC Push Fit cast iron soil and waste system

Size: 50mm (2") diameter/ 100mm (4") diameter

Colour: Black Semi Gloss

Joint Type: Push fit sockets fitted with 2 EPDM rubber sealing gaskets.

Fixing: Fixed to the wall at approximately 1.83m centres through the ears integral to the pipe or via separate galvanised steel holderbats. It is recommended that the fixings be round or dome head galvanised plugged coach screws with washers.

Accessories: Bends, Branches, Access Pipes, Swan Necks, Plinth Offsets.

General Description

Finishes

Heritage LCC push fit soil and waste pipes and fittings are factory coated with a 2 pack semi gloss paint finish, suitable for internal and external installations. All the pipe also has a yellow ochre two part internal coating.

Standards

Heritage LCC push fit waste pipes and fittings comply with the requirements of BS 416: Discharge, ventilating pipes and fittings, sand cast or spun in cast iron, Part 2. Heritage LCC push fit systems also comply with the relevant sections of the Building Regulations throughout the United Kingdom. The synthetic rubber gasket comply with the requirements of BS EN 681:1.

Installation

BS 8000: Workmanship on building sites, Part 13, Code of practice for above ground drainage and sanitary appliances, 1989 is applicable.

Suitability

Cast iron should not be used for conveying acid wastes or laid unprotected in any soil conditions where corrosion could occur.

On-site Storage

To avoid accidental damage to collars or pipe ends, pipes should be stored horizontally, blocked up clear of the ground and preferably under cover.

Imperial Dimensions

All products are made to the original imperial dimensions. This ensures a compatible interchange between old and new pipes and fittings and makes it more likely that, where an existing installation is being repaired or replaced, the original fixing holes can be re-used.

Pipe Fixing and Support

Holderbats for plugging and screwing to walls are available. Bobbins should be used to pack out the holderbat to give a 32mm painting gap for pipes up 50mm (2") diameter and 38mm for the 100mm (4") diameter pipes. For fixing centres reference should be made to BS 8000: Maximum distance between sanitary pipe supports, Table 1.

Pipe Joints

Pipe joints should be made push fit sockets with rubber gaskets, available in 3 versions: Eared, Plain & Slip Sockets. These should be fitted in conjunction with the gasket relaxing tool and an appropriate lubricant.

Testing

The Building Regulations 1991, Requirement H1, Approved Document paragraph 1.7(a) requires that all the pipes, fittings and joints should be capable of withstanding an air or smoke test of at least 38mm gauge, for 3 minutes



Heritage Cast Iron Traditional LCC Soil System

Features

- Pipes available from 50mm & 100mm diameters in standard lengths 0.9m and 1.8m.
- All products are based on imperial dimensions so ensuring compatibility with existing installations when replacing or extending pipework.

Jointing

- Cold caulked joints can be made with 6mm caulking cord and black joint sealant both available from stock.
- This method removes the requirement for using naked flames to melt lead on site.
- Approximately 4m of caulking cord and a quarter of a cartridge of sealant would be required to make a joint in 4" diameter system.

Strength / Durability

- LCC pipes are highly resistant to distortion caused by accident or vandalism
- Pipes and fittings are coated in a black bituminous coating for long term protection.

Long Life

- Correctly installed and maintained LCC soil systems can last in excess of 100 years.
- Long life expectancy makes cast iron the cost effective choice.
- Minimal maintenance requirements- occasional painting approximately every 10 years (inland areas).
- 100% recyclable at the end of its life.

Quiet in operation

- Low noise levels due to the sound deadening properties of cast iron.

Quality

- All LCC soil products are manufactured in accordance with BS416.
- LCC Soil is supplied in a durable black bitumen paint finish as standard.
- With minimal maintenance we would expect Premier soil systems to last over 100 years.

Paint finish


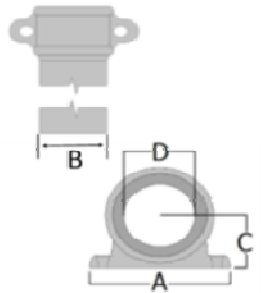


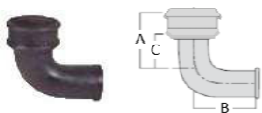

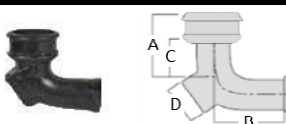
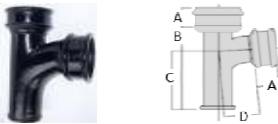
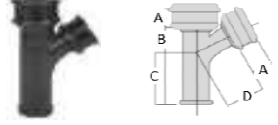
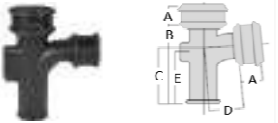
We supply our Premier LCC soil pipes and fittings with a black bitumen finish conforming to BS 416. If over painting please refer to your paint specialist or paint manufacturer for a compatible product.



Cast Iron Traditional Soil Pipe (LCC)

HERITAGE
CAST IRON RAINWATER


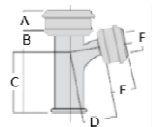

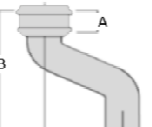

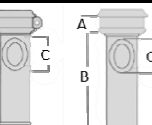

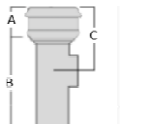

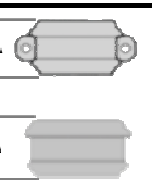







34

				Code Ref.		SL20/6FT	SL40/6FT
				Length		1830mm	1830mm
				A=Width of Flange		146mm	212mm
				B=External Pipe Diameter		63mm	114mm
				D=Internal Socket Diameter		73mm	127mm
				Caulking Clearance (min.)		3mm	6mm
Description		Pipe	Technical (mm)		Description		Code
Pipe Length - Eared		Size	Size	Length			
		Nominal	Actual				
	100mm	114	1.83m	Length - Eared 6 ft		SL40/6FT	
	100mm	114	0.9m	Length - Eared 3 ft		SL40/3FT	
	50mm	63	1.83m	Length - Eared 6 ft		SL20/6FT	
	50mm	63	0.9m	Length - Eared 3 ft		SL20/3FT	
Pipe Length - Non Eared		Size	Size	Length			
		Nominal	Actual				
	100mm	114	1.83m	Length - No Ears 6ft		SL40/6FT/NE	
	100mm	114	0.9m	Length - No Ears 3 ft		SL40/3FT/NE	
	50mm	63	1.83m	Length - No Ears 6ft		SL20/6FT/NE	
	50mm	63	0.9m	Length - No Ears 3 ft		SL20/3FT/NE	
92.5 Deg Bend		Size	A	B	C	D	
	100mm	193	180	177		92.5 Deg Bend	SL40/B/92
	50mm	152	139	88		92.5 Deg Bend	SL20/B/92
135 Deg Bend		Size	A	B	C	D	
	100mm	177	165	100		135 Deg Bend	SL40/B/135
92.5 Deg Bend c/w Access		Size	A	B	C	D	
							
	100mm	193	180	117	100	92.5 Deg Bend	SL40/BA/92
92.5 Deg Branch		Size	A	B	C	D	
	100mm	76	330	241	130	92.5 Deg Branch	SL40/BR/92
	50mm	63	234	177	88	92.5 Deg Branch	SL20/BR/92
135 Deg Branch		Size	A	B	C	D	
	100mm	76	330	146	184	135 Deg Branch	SL40/BR/135
Branch c/w Access		Size	A	B	C	D	
							
	100mm	76	330	241	130	92.5 Deg Branch c/w Access	SL40/BRA/92
	Size	E				112.5 Deg Branch c/w Access	SL40/BRA/112
		206					

Cast Iron Traditional Soil Pipe (LCC)

HERITAGE
CAST IRON RAINWATER

35

Description		Pipe	Technical (mm)				Description	Code
		Nominal						
92.5 Deg Unequal Branch		Size	A	B	C	D		
<div>S</div>  	100mm	76	279	219	114			
	Size	E	F	G		92.5 Deg	SL40/BRU/92/50	
	100mm	63	50			100mm Trunk with a 50mm Branch		
Offset		Size	A	B	C	D		
<div>S</div> <div>S</div> <div>S</div> <div>S</div> <div>S</div>  	100mm	76	288	75		Offset 3" (75mm)	SL40/OF/03	
	100mm	76	307	112		Offset 4.5" (115mm)	SL40/OF/04	
	100mm	76	323	150		Offset 6" (152mm)	SL40/OF/06	
	100mm	76	355	237		Offset 9" (230mm)	SL40/OF/09	
	100mm	76	387	300		Offset 12" (305mm)	SL40/OF/12	
Access Pipe		Size	A	B	C	D		
<div>S</div> <div>S</div>  	100mm	76	285	100		Access Eared	SL40/AP	
	100mm	76	285	100		Acess Non Eared	SL40/AP/NE	
Boss Pipe		Size	A	B	C	D		
<div>S</div>  	100mm	76	381	139		c/w 2" Boss	SL40/BP/2	
Pipe Sockets		Size	A	B	C	D	All Slip Sockets are Non-Stock	
<div>S</div> <div>S</div> <div>S</div> <div>S</div>  	100mm	76				Loose Socket Eared	SL40/PS	
	100mm	76				Loose Socket Non Eared	SL40/PS/NE	
	100mm	76				Slip Collar - Eared	SL40/SS	
	100mm	76				Slip Collar - Non Eared	SL40/SS/NE	
	50mm	63				Loose Socket Eared	SL20/PS	
	50mm	63				Loose Socket Non Eared	SL20/PS/NE	
Holderbat								
<div>S</div> 	100mm	Fits Collar				Holder Bat - Cast Iron	SL40/HB/ST	
	50mm	Fits Collar				Holder Bat - Cast Iron	SL20/HB/ST	
Pipe Brackets								
<div>S</div> <div>S</div>  	100mm					Pipe Bracket - Galvanised Steel	SL40/PC	
	100mm	250					Extended Pipe Bracket - Galvanised Steel	SL40/PC/EX
Cowl & Leaf Guard		Size						
<div>S</div> <div>S</div> <div>S</div>  	100mm					Cowl / Chinamans Hat	SL40/CW	
	100mm					Wire Baloon	LEAF/40	
	50mm					Wire Baloon	LEAF/20	
Caulking Cord								
<div>S</div> 	10 metres					Caulking Cord	SL/CC	
Sealant		Size						
<div>S</div> 	330ml	Black				Dow Corning Marine Sealant	MS991563	

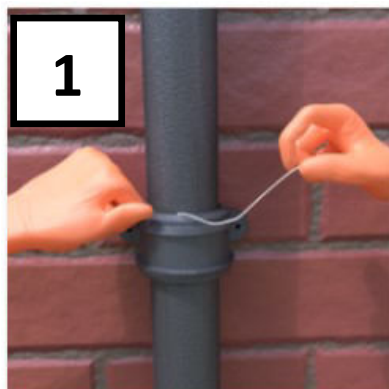
Traditional LCC Soil System

Installation Guide

Traditional cast iron LCC soil pipes are available with or without fixing ears for use with an extensive range of Premier soil fittings. Typical fixings for eared soil pipes are 100mm large head pipe nails or coach screws. Fixing of plain soil pipes is typically by drive in spike; holderbats or earbands may be used for a more decorative effect. Traditional soil systems can be installed using the traditional lead caulking method however we recommend a cold jointing method as an alternative process which does not require a naked flame. A typical joint of a 100mm (4") pipe or fittings will require approximately 4m of caulking cord and a quarter of a cartridge of joint sealant. Requirement for smaller or larger pipe diameters should be estimated on a pro-rata basis.

Cold Jointing Method for Traditional LCC Soil Pipes

As an alternative method of jointing, without the use of a naked flame (as in the traditional caulked lead method). We can provide the following cold jointing products. Caulking cord and Marine Sealant.



Centrally align the pipe spigot within the socket and wet the caulking cord



Caulk this into the socket up to 30mm from the top. This will centralise the pipes and provide a backing for the top 30mm of the joint.



Fill the top 30mm with marine sealant, applied with a skeleton gun or flat head screwdriver.



When filled, smooth off level with the top of the socket, to provide a sealed joint and neat appearance. No further painting will be required if the pipes are black.

Sealant can be painted over if the pipes are a different colour.

Note: Each joint of a 4" pipe will require approximately 4 metres of caulking cord and a quarter of a tube of Marine Sealant. Estimate usage of smaller or larger diameters pro rata to pipe diameter. A typical fixing of eared soil pipe is 100mm large head pipe nail, coach bolt or other proprietary fixing. Fixing of uneared soil pipe is by a drive-in spike. Alternatively holderbats or eared brands may be used for a more decorative effect.

Cold Jointing Requirements:
Caulking Cord (SL/CC)
Black Joint Sealant (MS991563)

Heritage Cast Iron LCC Soil Pipe

R11 Above Ground Foul Drainage System

GENERAL

Gravity Foul Drainage System.

Sanitary and waste pipework, ventilating pipework.

SYSTEM PERFORMANCE

Design Standard: To BS EN 12056-1:2000, BS EN 12056-2:2000 and National Annexes NA-NG.

Collection and Distribution of Foul Water: Complete, and without leakage or noise nuisance.

Design Parameters: Self-cleansing, and without blockage, crossflow, backfall, leakage, odours or noise. Pipework pressure fluctuations: $\pm 38\text{mm}$ (max). Trap water seal: 25mm (min).

PRODUCTS (TYPICAL SPECIFICATION)

HERITAGE LCC TRADITIONAL CAST IRON

Reference: Heritage LCC cast iron soil and waste system

Size: 50mm (2") diameter/ 100mm (4") diameter

Colour: Black

Joint Type: Spigot and Socket

Fixing: Fixed to the wall at approximately 1.83m centres through the ears integral to the pipe or via separate galvanised steel holderbats. It is recommended that the fixings be round or dome head galvanised plugged screws with washers. Accessories: Bends, Branches, Access Pipes, Swan Necks, Plinth Offsets.

General Description

Finishes

Heritage LCC soil and waste pipes and fittings are factory-dipped in bitumen in accordance with BS 416. Where gloss painting is required.

Standards

Heritage LCC waste pipes and fittings comply with the requirements of BS 416: Discharge, ventilating pipes and fittings, sand cast or spun in cast iron, Part 1, 1990. Heritage LCC systems also comply with the relevant sections of the Building Regulations throughout the United Kingdom.

Installation

BS 8000: Workmanship on building sites, Part 13, Code of practice for above ground drainage and sanitary appliances, 1989 is applicable.

Suitability

Cast iron should not be used for conveying acid wastes or laid unprotected in any soil conditions where corrosion could occur.

On-site Storage

To avoid accidental damage to collars or pipe ends, pipes should be stored horizontally, blocked up clear of the ground and preferably under cover.

Imperial Dimensions

All products are made to the original imperial dimensions. This ensures a compatible interchange between old and new pipes and fittings and makes it more likely that, where an existing installation is being repaired or replaced, the original fixing holes can be re-used.

Pipe Fixing and Support







Holderbats for plugging and screwing to walls are available. Bobbins should be used to pack out the holderbat to give a 32mm painting gap for pipes up 50mm (2") diameter and 38mm for the 100mm (4") diameter pipes. For fixing centres reference should be made to BS 8000: Maximum distance between sanitary pipe supports, Table 1.

Pipe Joints

Pipe joints should be made using a caulking of 6mm diameter yarn, now available only in glass fibre instead of the traditional tarred yarn, with a minimum 38mm thickness of lead wool, well compacted.

Testing

The Building Regulations 1991, Requirement H1, Approved Document paragraph 1.7(a) requires that all the pipes, fittings and joints should be capable of withstanding an air or smoke test of at least 38mm gauge, for 3 minutes.

Sundry Items		HERITAGE CAST IRON RAINWATER		38	
Rainwater Pipe Fixings					
Description		Size	Colour/Type	Code	
Wooden Bobbin		30mm		Suitable for all pipe	PBW/30
Pipe Nails		3" (75mm)		Zinc Plated Mild Steel	PIPE3
Pipe Nails		4" (100mm)		Zinc Plated Mild Steel	PIPE4
Coach Bolt c/w Black Cap		3" (75mm)		Steel Zinc Plated	COACH3
Coach Bolt c/w Black Cap		4" (100mm)		Steel Zinc Plated	COACH4
Coach Bolt c/w Black Cap		6" (150mm)		Steel Zinc Plated	COACH6
Woodscrews		No.12 x 2" Roundhead & Washer	Steel Zinc Plated		NBW630361
Backing Foam		10m Roll			BF991408
Gutter Fixings					
Woodscrews (Fascia Brackets) No.12 x 1 1/2" Roundhead & Washer			Steel Zinc Plated		NBW630362
Woodscrews (Rafter Brackets) No.12 x 1 1/2" Countersunk			Steel Zinc Plated		ZNBW969041
Gutter Brush - 4m			Black		GB4
Leaf Guard - Available in 2 1/2",3",4"			Self Colour		LEAF GUARD
Aquaseal Gutter Joints					
Aquaseal's are supplied with Nuts & Bolts					
Aquaseal		for 4",4 1/2" & 5" Half Round Gutter	EPDM/Rubber		AQUASEAL
Aquaseal/10	10 Pack	for 4",4 1/2" & 5" Half Round Gutter	EPDM/Rubber		AQUASEAL/10
Aquaseal/20	20 Pack	for 4",4 1/2" & 5" Half Round Gutter	EPDM/Rubber		AQUASEAL/20
Aquaseal6	Single	for 6" Half Round Gutter Only	EPDM/Rubber		AQUASEAL6
Aquaseal6/10	10 Pack	for 6" Half Round Gutter Only	EPDM/Rubber		AQUASEAL6/10
Aquaseal6/20	20 Pack	for 6" Half Round Gutter Only	EPDM/Rubber		AQUASEAL6/20
Nut & Bolt		M6 x 25mm	Steel Zinc Plated		NBWM6X25
Sealants					
Silicone Sealant 310cc Dow Corning - Low Module - 310cc				BLACK	SS991561
Silicone Sealant 310cc Dow Corning - Low Module - 310cc				CLEAR	SS991000
Touch Up Paint					
Touch Up Paint		1 Litre		BLACK	TUP/1L
Touch Up Paint		0.25 Litre		BLACK	TUP/0.25L

Available from Rainwater Direct Ltd

