



HERITAGE FOUNDRY
CAST IRON RAINWATER

Heritage Foundry™



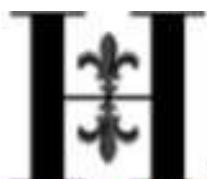
Heritage Cast Iron Rainwater® Cast Iron Soil Product Guide

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Heritage Cast Iron Rainwater Systems

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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 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 offer 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.

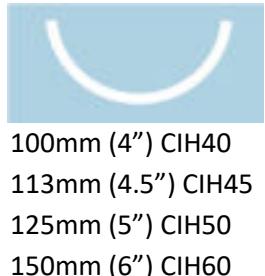


Heritage Cast Iron Rainwater® Systems

Gutter Profiles & Sizes

Heritage Half Round Gutter

See Page 4



Heritage Beaded Half Round Gutter

See Page 6



Heritage Deep Half Round Gutter

See Page 8



Heritage Victorian Ogee Gutter

See Page 10



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

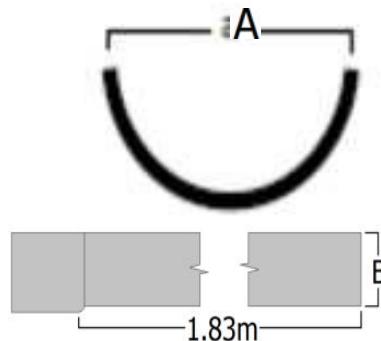


100 x 75mm (4 x 3") CIS43

Heritage Cast Iron Half Round Guttering

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| Code Ref. | CIH40/6FT | CIH45/6FT | CIH50/6FT | CIH60/6FT |
|---------------|-----------|-----------|-----------|-----------|
| Length | 1830mm | 1830mm | 1830mm | 1830mm |
| A=Actual Ext. | 108mm | 120mm | 135mm | 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 | | | | | | |
|-------------|------------------------------|---------------|---|---|---|--|---|--|--|--|--|--|--|
| S | 1.83m Length | A | B | C | | | Suffix /PA | | | | | | |
| | | | | | 4" (100mm) 4 1/2" (113mm) 5" (125mm) 6" (150mm) | | CIH40/6FT CIH45/6FT CIH50/6FT CIH60/6FT | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| S | Union Clip | A | B | C | | | | | | | | | |
| | | | | | 4" (100mm) 4 1/2" (113mm) 5" (125mm) 6" (150mm) | | CIH40/UC CIH45/UC CIH50/UC CIH60/UC | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| S | Stop Ends External | A | B | C | | | | | | | | | |
| | | | | | 4" (100mm) 4 1/2" (113mm) 5" (125mm) 6" (150mm) | | CIH40/SE/E CIH45/SE/E CIH50/SE/E CIH60/SE/E | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| S | Stop Ends Internal | A | B | C | | | | | | | | | |
| | | | | | 4" (100mm) 4 1/2" (113mm) 5" (125mm) 6" (150mm) | | CIH40/SE/I CIH45/SE/I CIH50/SE/I CIH60/SE/I | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| S | Running Outlet Double Spigot | A | B | C | | | | | | | | | |
| | | | | | 65mm Ø 65mm Ø 65mm Ø 65mm Ø 75mm Ø 75mm Ø 75mm Ø 100mm Ø | | CIH40/RO/25 CIH45/RO/25 CIH50/RO/25 CIH60/RO/25 CIH40/RO/30 CIH45/RO/30 CIH50/RO/30 CIH60/RO/30 CIH60/RO/40 | | | | | | |
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| | | | | | | | | | | | | | |
| S | Drop End Outlet - Socketed | A | B | C | | | | | | | | | |
| | | | | | 65mm Ø 65mm Ø 65mm Ø 75mm Ø 75mm Ø 75mm Ø | | CIH40/DE/25/E CIH45/DE/25/E CIH50/DE/25/E CIH40/DE/30/E CIH45/DE/30/E CIH50/DE/30/E | | | | | | |
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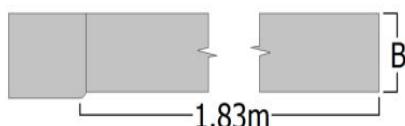
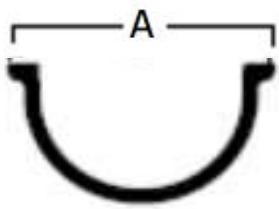
Heritage Cast Iron Half Round Guttering

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| Description | Technical(mm) | Size | Code | | |
|--|---|---|---------------------------------------|--|--|
| S Drop End Outlet - Spigoted | A 65mm Ø 65mm Ø 65mm Ø 75mm Ø 75mm Ø 75mm Ø | B 170 170 170 170 170 170 | C 60 60 60 60 60 60 | 4" (100mm) 4 1/2" (113mm) 5" (125mm) 4" (100mm) 4 1/2" (113mm) 5" (125mm) | Suffix /PA CIH40/DE/25/I CIH45/DE/25/I CIH50/DE/25/I CIH40/DE/30/I CIH45/DE/30/I CIH50/DE/30/I |
| S 90 Deg Angle - Combined | A 174 185 195 230 | B 75 75 75 80 | C 49 49 49 49 | 4" (100mm) 4 1/2" (113mm) 5" (125mm) 6" (150mm) | CIH40/A/9 CIH45/A/9 CIH50/A/9 CIH60/A/9 |
| S 135 Deg Angle - Combined | A 118 115 125 140 | B 75 75 75 75 | C 49 49 49 49 | 4" (100mm) 4 1/2" (113mm) 5" (125mm) 6" (150mm) | CIH40/A/135 CIH45/A/135 CIH50/A/135 CIH60/A/135 |
| S Fascia Bracket | 15mm Stand Off | | | 4" (100mm) 4 1/2" (113mm) 5" (125mm) 6" (150mm) | CIH40/FB/CI CIH45/FB/CI CIH50/FB/CI CIH60/FB/CI |
| S Rafter Bracket | Top Fix 220mm Long + Cup Approx. 30 Degrees | | | 4" (100mm) 4 1/2" (113mm) 5" (125mm) 6" (150mm) | CIH40/RB/TF CIH45/RB/TF CIH50/RB/TF CIH60/RB/TF |
| S Rafter Bracket | Side Fix 220mm Long + Cup 65mm Twist Length Approx. 30 Degrees | | | 4" (100mm) 4 1/2" (113mm) 5" (125mm) 6" (150mm) | CIH40/RB/SF CIH45/RB/SF CIH50/RB/SF CIH60/RB/SF |
| S Drive in Rise & Fall Bracket | Spike 330mm Long Stud 140mm Long | | | 4" (100mm) 4 1/2" (113mm) 5" (125mm) 6" (150mm) | CIH40/R&F/GS CIH45/R&F/GS CIH50/R&F/GS CIH60/R&F/GS |
| S Drive in Rise & Fall Bracket c/w Stay | Spike 330mm Long Stud 140mm Long Stay Projection 230mm Stay height 200mm | Non Standard Galvanised Steel Brackets - Please See Page 14 | | 4" (100mm) 4 1/2" (113mm) 5" (125mm) 6" (150mm) | CIH40/R&F/GS/WS CIH45/R&F/GS/WS CIH50/R&F/GS/WS CIH60/R&F/GS/WS |

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



| 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 |

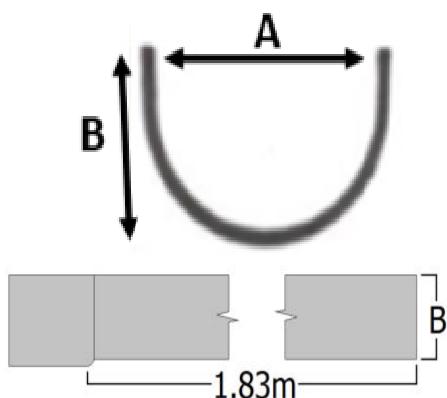
| Description | Technical(mm) | Size | Code |
|---|--------------------------------------|--|--|
| S 1.83m Length | | | Suffix /PA |
| | | 4 1/2" (113mm) 5" (125mm) | CIB45/6FT CIB50/6FT |
| S Union Clip | A B C | | |
| | | 98 49 4 1/2" (113mm) 98 49 5" (125mm) | CIB45/UC CIB50/UC |
| S Stop Ends- External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

Heritage Cast Iron Beaded Half Round Guttering

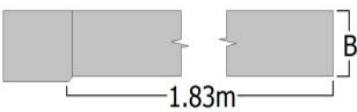
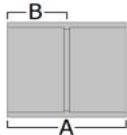
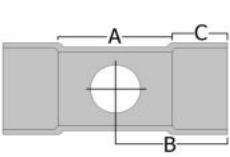
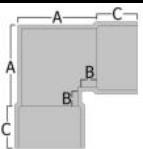
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| Description | Technical(mm) | Size | Code | |
|--|--|---|------------------------------|--|
| S 90 Deg Angle | A 190 209 B 70 70 C 49 49 | A 190 209 B 70 70 C 49 49 | 4 1/2" (113mm) 5" (125mm) | Suffix /PA CIB45/A/90 CIB50/A/90 |
| S 135 Deg Angle | A 117 126 B 70 70 C 49 49 | A 117 126 B 70 70 C 49 49 | 4 1/2" (113mm) 5" (125mm) | CIB45/A/135 CIB50/A/135 |
| S Fascia Bracket | 15mm Stand Off | | | |
| | | | 4 1/2" (113mm) 5" (125mm) | |
| S Rafter Bracket Top Fix | 250mm Long + Cup Approx. 30 Degrees | | | |
| | | | 4 1/2" (113mm) 5" (125mm) | |
| S Rafter Bracket Side Fix | 250mm Long + Cup Approx. 30 Degrees | | | |
| | | | 4 1/2" (113mm) 5" (125mm) | |
| S Drive in Rise & Fall Bracket | Spike 330mm Long Stud 140mm Long | Non Standard Galvanised Steel Brackets - Please See Page 14 | | |
| | | | 4 1/2" (113mm) 5" (125mm) | |
| S Drive in Rise & Fall Bracket c/w Stay | Spike 330mm Long Stud 140mm Long Stay Projection 230mm | | | |
| | | | 4 1/2" (113mm) 5" (125mm) | |



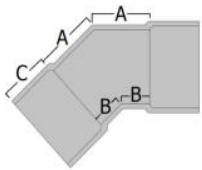
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|---------------|------------|
| Code Ref. | CIDH53/6FT |
| Length | 1830mm |
| A=Actual Ext. | 136mm |
| A Imperial | 4.5" |
| B Depth | 76mm |
| Weight | 10.5kg |

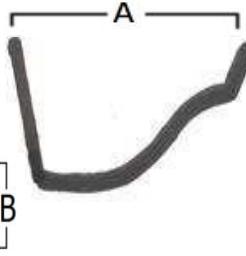
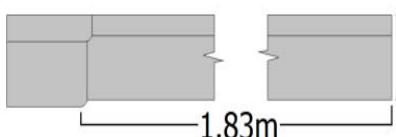
| Description | Technical(mm) | Size | Code |
|---|---|---|--|
| S 1.83m Length | | | Suffix /PA |
|  |  | 125mm x 75mm | CIDH53/6FT |
| S Union Clip | A B C | | |
|  |  | 110 49 | 125mm x 75mm CIDH53/UC |
| S Stop Ends- External | A B C | | |
|  |  | 55 | 125mm x 75mm CIDH53/SE/E |
| S Stop Ends - Internal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

Heritage Cast Iron Deep Run Half Round Guttering

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| 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 |



| Code Ref. | CIO45/6FT | CIO50/6FT |
|---------------|-----------|-----------|
| Length | 1830mm | 1830mm |
| A=Actual Ext. | 190mm | 198mm |
| 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 | |
| S | Union Clip | | | | A | B | C | |
| S | Stop Ends External RH | | | | A | B | C | |
| S | Stop Ends External LH | | | | A | B | C | |
| S | Stop Ends Internal LH | | | | A | B | C | |
| S | Running Outlet Single Socket | | | | A | B | C | |
| S | 90 Deg Angle External | | | | A | B | C | |

Heritage Cast Iron Moulded Ogee Gutter

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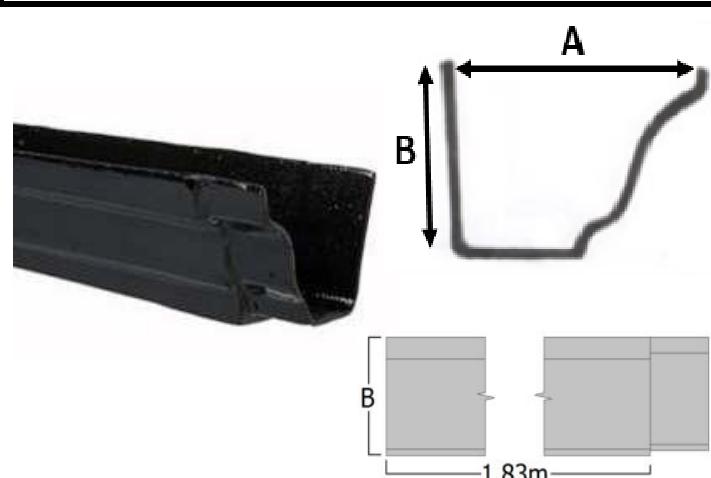
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| Description | Technical(mm) | Size | Code |
|--|--|---|--|
| S 90 Deg Angle Internal | A 145 B 200 C 50 A 145 B 210 C 50 | 4 1/2" (113mm) 5" (125mm) | Suffix /PA CIO45/IA/90 CIO50/IA/90 |
| S 135 Deg Angle External | A 28 B 80 C 50 A 28 B 76 C 50 | 4 1/2" (113mm) 5" (125mm) | CIO45/EA/135 CIO50/EA/135 |
| S 135 Deg Angle Internal | A 70 B 125 C 50 A 75 B 136 C 50 | 4 1/2" (113mm) 5" (125mm) | CIO45/IA/135 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 | Non Standard Galvanised Steel Brackets - Please See Page 14 | 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

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| 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) |
| | 65mm Ø | 245 125 50 | 5" x 4" (125 x 100mm) |
| | 65mm Ø | 245 125 50 | 6" x 4" (150 x 100mm) |
| | 75mm Ø | 245 125 50 | 4" x 3" (100 x 75mm) |
| | 75mm Ø | 245 125 50 | 5" x 4" (125 x 100mm) |
| | 75mm Ø | 245 125 50 | 6" x 4" (150 x 100mm) |
| | 101mm Ø | 245 125 50 | 5" x 4" (125 x 100mm) |
| | 101mm Ø | 245 125 50 | 6" x 4" (150 x 100mm) |

Heritage Cast Iron Moulded Ogee Gutter

HERITAGE
CAST IRON RAINWATER

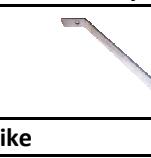
13

| 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 | | 28 79 50 4" x 3" (100 x 75mm) CIM43/EA/90 |
| | 28 | | 28 79 50 5" x 4" (125 x 100mm) CIM54/EA/90 |
| | 25 | | 25 70 50 6" x 4" (150 x 100mm) CIM64/EA/90 |
| S 90 Deg Angle Internal | A B C | | |
| | 137 | | 137 187 50 4" x 3" (100 x 75mm) CIM43/IA/90 |
| | 165 | | 165 210 50 5" x 4" (125 x 100mm) CIM54/IA/90 |
| | 181 | | 181 225 50 6" x 4" (150 x 100mm) CIM64/IA/90 |
| S 135 Deg Angle External | A B C | | |
| | 35 | | 35 79 50 4" x 3" (100 x 75mm) CIM43/EA/135 |
| | 35 | | 35 79 50 5" x 4" (125 x 100mm) CIM54/EA/135 |
| | 41 | | 41 89 50 6" x 4" (150 x 100mm) CIM64/EA/135 |
| S 135 Deg Angle Internal | A B C | | |
| | 73 | | 73 137 50 4" x 3" (100 x 75mm) CIM43/IA/135 |
| | 84 | | 84 137 50 5" x 4" (125 x 100mm) CIM54/IA/135 |
| | 94 | | 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

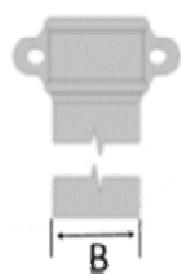
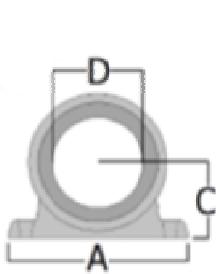
14

| 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 | |
|  | Half Round Beaded Half Round Deep Half Round Victorian Ogee Molded Ogee | CIH40 | CIH45 | CIH50 | CIH60 | CIDH53 | | CIM43 CIM54 CIM64 | | |
| | | | CIB45 | CIB50 | | | | | | |
| | | | | | CIO45 | CIO50 | | | | |
| | | | | | | | | 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 | |
|  | Half Round Beaded Half Round Deep Half Round Victorian Ogee Molded Ogee | CIH40 | CIH45 | CIH50 | CIH60 | CIDH53 | | CIM43 CIM54 CIM64 | | |
| | | | CIB45 | CIB50 | | | | | | |
| | | | | CIO45 | CIO50 | | | | | |
| | | | | | | | | 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 | |
|  | Half Round Beaded Half Round Deep Half Round Victorian Ogee Molded Ogee | CIH40 | CIH45 | CIH50 | CIH60 | CIDH53 | | CIM43 CIM54 CIM64 | | |
| | | | CIB45 | CIB50 | | | | | | |
| | | | | CIO45 | CIO50 | | | | | |
| | | | | | | | | 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 | |
|  | Half Round Beaded Half Round Deep Half Round Victorian Ogee Molded Ogee | CIH40 | CIH45 | CIH50 | CIH60 | CIDH53 | | CIM43 CIM54 CIM64 | | |
| | | | CIB45 | CIB50 | | | | | | |
| | | | | CIO45 | CIO50 | | | | | |
| | | | | | | | | 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 | |
|  | Half Round Beaded Half Round Deep Half Round Victorian Ogee | CIH40 | CIH45 | CIH50 | CIH60 | CIDH53 | | CIM43 CIM54 CIM64 | | |
| | | | CIB45 | CIB50 | | | | | | |
| | | | | CIO45 | CIO50 | | | | | |
| | | | | | | | | CIM43 CIM54 CIM64 | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 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 | |
|  | Half Round Beaded Half Round Deep Half Round Victorian Ogee Molded Ogee | CIH40 | CIH45 | CIH50 | CIH60 | CIDH53 | | CIM43 CIM54 CIM64 | | |
| | | | CIB45 | CIB50 | | | | | | |
| | | | | CIO45 | CIO50 | | | | | |
| | | | | | | | | 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 | |
|  | Half Round Beaded Half Round Deep Half Round Victorian Ogee Molded Ogee | CIH40 | CIH45 | CIH50 | CIH60 | CIDH53 | | CIM43 CIM54 CIM64 | | |
| | | | CIB45 | CIB50 | | | | | | |
| | | | | CIO45 | CIO50 | | | | | |
| | | | | | | | | CIM43 CIM54 CIM64 | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Rise & Fall Stay Only | 13" | STAY/GS | All Sizes | | | | | | | |
|  | All Sizes-Self Colour | 13" (330mm) | Fits All STAY/GS | | | | | | | |
| | | | Fits All STAY/GS | | | | | | | |
| Spike | 15" | SPIKE/** | All Sizes | | | | | | | |
|  | All Sizes - Self Colour | 15" (380mm) | Fits All SPIKE | | | | | | | |
| | | | 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 | 55mm | 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 75 75 80 B 289 295 320 C 305 305 305 Suffix /PA | 63mm (2 1/2") 76mm (3") 101mm (4") | CIR25/OF/12 CIR30/OF/12 CIR40/OF/12 |
| S 112.5 Deg Offset - 381mm | A 75 75 80 B 321 327 330 C 381 381 381 Suffix /PA | 63mm (2 1/2") 76mm (3") 101mm (4") | CIR25/OF/15 CIR30/OF/15 CIR40/OF/15 |
| S 112.5 Deg Offset - 457mm | A 75 75 80 B 352 359 360 C 457 457 457 Suffix /PA | 63mm (2 1/2") 76mm (3") 101mm (4") | CIR25/OF/18 CIR30/OF/18 CIR40/OF/18 |
| S 112.5 Deg Offset - 533mm | A 75 75 80 B 360 390 400 C 533 533 533 Suffix /PA | 63mm (2 1/2") 76mm (3") 101mm (4") | CIR25/OF/21 CIR30/OF/21 CIR40/OF/21 |
| S 112.5 Deg Offset - 609mm | A 75 75 80 B 380 470 609 C 609 609 609 Suffix /PA | 63mm (2 1/2") 76mm (3") 101mm (4") | CIR25/OF/24 CIR30/OF/24 CIR40/OF/24 |
| S 112.5 Deg Offset - 685mm | A 75 75 80 B 685 685 685 C 685 76mm (3") 101mm (4") Suffix /PA | 63mm (2 1/2") 76mm (3") 101mm (4") | CIR25/OF/21 CIR30/OF/21 CIR40/OF/21 |
| S 112.5 Deg Offset - 762mm | A 75 75 80 B 762 762 762 C 762 76mm (3") 101mm (4") Suffix /PA | 63mm (2 1/2") 76mm (3") 101mm (4") | CIR25/OF/24 CIR30/OF/24 CIR40/OF/24 |
| S Shoe With Ears | A 75 75 80 B 90 100 135 C 63mm (2 1/2") 76mm (3") 101mm (4") Suffix /PA | 63mm (2 1/2") 76mm (3") 101mm (4") | CIR25/SH/E CIR30/SH/E CIR40/SH/E |

Heritage Cast Iron Round Rainwater Pipe

HERITAGE
CAST IRON RAINWATER

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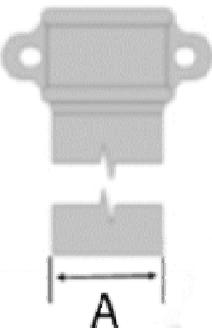
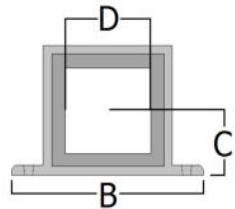
| Description | Technical(mm) | Size | Code | |
|---|---------------|---------------|---------------|--------------|
| S Shoe Without Ears | A B C | | | |
| | 75 90 | 63mm (2 1/2") | CIR25/SH | |
| | 75 100 | 76mm (3") | CIR30/SH | |
| | 80 135 | 101mm (4") | CIR40/SH | |
| S Anti-Splash Shoe | A B C | | | |
| | 75 150 | 63mm (2 1/2") | CIR25/SH/AE | |
| | 75 163 | 76mm (3") | CIR30/SH/AE | |
| S Anti-Splash Shoe Without Ears | A B C | | Suffix /PA | |
| | 75 150 | 63mm (2 1/2") | CIR25/SH/A | |
| | 75 163 | 76mm (3") | CIR30/SH/A | |
| S Diverter Kit c/w Hose & Connectors | A B C | | | |
| | 68 95 48 | 63mm (2 1/2") | CIR25/DIV | |
| | 68 160 54 | 76mm (3") | CIR30/DIV | |
| | 132 67 | 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

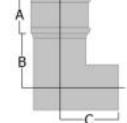
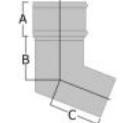
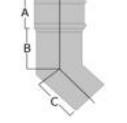
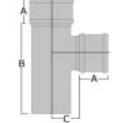
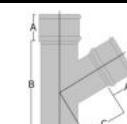
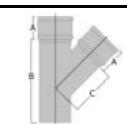
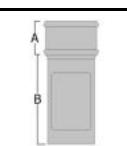
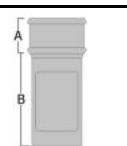
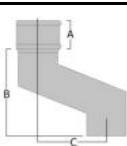
19

| Description | | Technical(mm) | | Size | Code |
|--|----------|---------------|-----|---------------|-------------|
| S Sockets With Ears | Spigoted | A | B | C | D |
| | | 68 | 95 | 48 | 74 |
| | | 68 | 160 | 54 | 84 |
| S Sockets Without Ears | Spigoted | 75 | 132 | 67 | 111 |
| | | 80 | 95 | 48 | 74 |
| | | 80 | 110 | 54 | 84 |
| S Ear Belt - Cast Iron | | 80 | 132 | 67 | 101mm (4") |
| | | | | 63mm (2 1/2") | CIR25/LS |
| | | | | 76mm (3") | CIR30/LS |
| S Pipe Clip - Galvanised Steel | | | | 101mm (4") | CIR40/LS |
| | | | | 63mm (2 1/2") | CIR25/PC |
| | | | | 76mm (3") | CIR30/PC |
| S Extended Pipe Clip - Galvanised Steel | | | | 101mm (4") | CIR40/PC |
| | | | | 63mm (2 1/2") | CIR25/PC/EX |
| | | | | 76mm (3") | CIR30/PC/EX |
| S Pipe Clip c/w Spike - Galvanised Steel | | | | 101mm (4") | CIR40/PC/EX |
| | | | | 63mm (2 1/2") | CIR25/S |
| | | | | 76mm (3") | CIR30/S |
| S Holdfast Bracket | | | | 101mm (4") | CIR40/S |
| | | | | 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 |

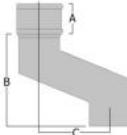
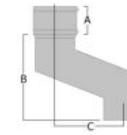
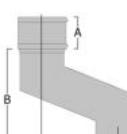
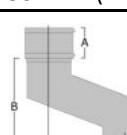
| Description | | Technical(mm) | Size | Code | | |
|---------------------|--|--------------------|-------------------|---------------|-------------------|---------------|
| Length with Ears | | SUFFIX /PA | | | | |
| S | | (6ft) 1.83m Length | 75 x 75mm(3x3") | CIS33/6FT | | |
| | | (6ft) 1.83m Length | 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 | | | | | | |
| S | | (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 | | 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 | | A B C | | | | |
| | | 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 | | A B C | | | | |
| | | 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) | A | B | C | 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 | | |
| S |  | 2" (50mm) | 95 | 128 | 63 | 100 x 75mm(4x3") | CIS43/OF/02PE |
| S | | 3" (75mm) | 95 | 211 | 75 | 75 x 75mm(3x3") | CIS33/OF/03PE |
| S | | 3" (75mm) | 95 | 211 | 75 | 100 x 75mm(4x3") | CIS43/OF/03PE |
| S | | 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 | | | |
| S |  | 100 | 390 | 152 | 75 x 75mm(3x3") | CIS33/OF/06 | |
| S | | 100 | 390 | 152 | 100 x 75mm(4x3") | CIS43/OF/06 | |
| S | | 100 | 404 | 152 | 100 x 100mm(4x4") | CIS44/OF/06 | |
| 112.5 Deg Offset | 228mm (9") Without Ears | A | B | C | | | |
| S |  | 100 | 420 | 228 | 75 x 75mm(3x3") | CIS33/OF/09 | |
| S | | 100 | 420 | 228 | 100 x 75mm(4x3") | CIS43/OF/09 | |
| S | | 100 | 434 | 228 | 100 x 100mm(4x4") | CIS44/OF/09 | |
| 112.5 Deg Offset | 304mm (12") Without Ears | A | B | C | | | |
| S |  | 100 | 460 | 305 | 75 x 75mm(3x3") | CIS33/OF/12 | |
| S | | 100 | 460 | 305 | 100 x 75mm(4x3") | CIS43/OF/12 | |
| S | | 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") 100 381 100 x 75mm(4x3") 100 381 100 x 100mm(4x4") | CIS33/OF/15 CIS43/OF/15 CIS44/OF/15 |
| 112.5 Deg Offset | 457mm (18") Without Ears | A B C | |
| | | 100 457 75 x 75mm(3x3") 100 457 100 x 75mm(4x3") 100 457 100 x 100mm(4x4") | CIS33/OF/18 CIS43/OF/18 CIS44/OF/18 |
| Shoe Without Ears | | A B C | |
|  | | 100 130 75 x 75mm(3x3") 100 140 100 x 75mm(4x3") 100 155 100 x 100mm(4x4") | CIS33/SH CIS43/SH CIS33/SH |
| Shoe With Ears | | A B C | |
|  | | 100 130 75 x 75mm(3x3") 100 140 100 x 75mm(4x3") 100 155 100 x 100mm(4x4") | CIS33/SH/E CIS43/SH/E CIS44/SH/E |
| Rainwater Head Rectangular Large - 305 x 250 x 200mm | | W P H | |
|  | | 300 250 203 75 x 75mm(3x3") 300 250 203 100 x 75mm(4x3") 300 250 203 100 x 100mm(4x4") | CIHH/003/33 CIHH/003/43 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") | CIS33/LS CIS43/LS CIS44/LS |
| 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") | CIS33/LS/NE CIS43/LS/NE CIS44/LS/NE |
| 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") | CIS33/SOC CIS43/SOC CIS44/SOC |
| 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") | CIS33/SOC/NE CIS43/SOC/NE CIS44/SOC/NE |

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.



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.

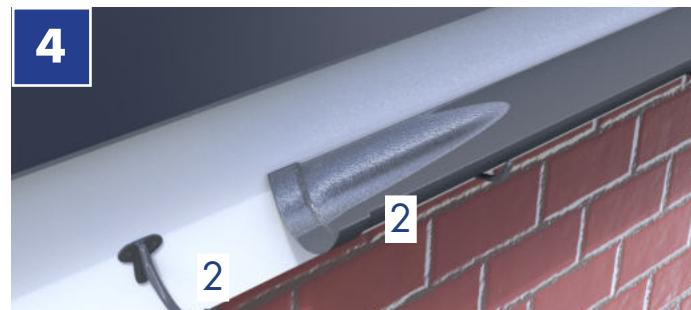
Generally, position brackets at 915mm centres allowing additional brackets on either side of where the pipe joins. Using a string line to set out brackets to fall of 1:600 to 1:350 (max) or if not possible level.



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.

- 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.

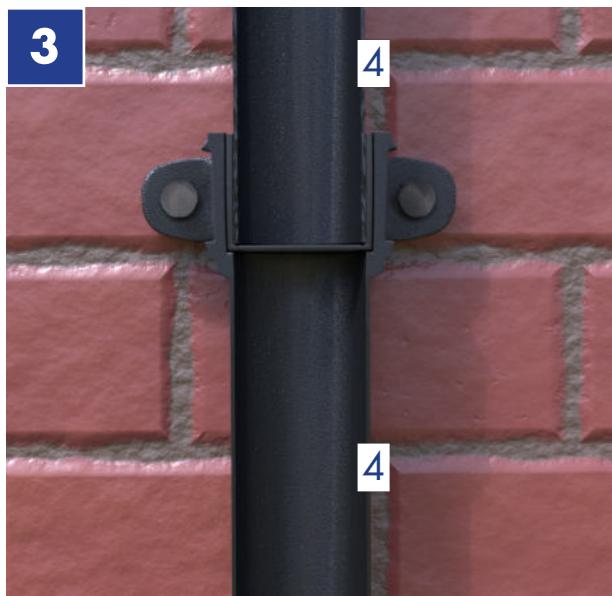
HERITAGE CAST IRON RAINWATER PIPE INSTALLATION GUIDE

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.

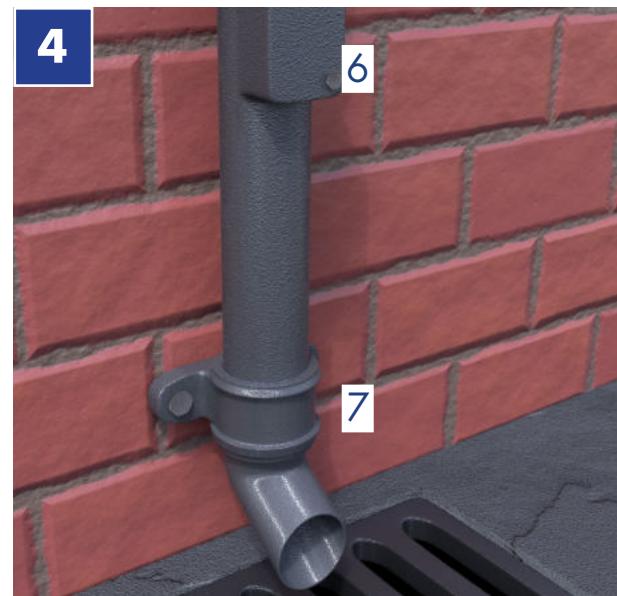


Seal with DOW 791 silicone sealant. Fit to wall at 2m centres using No12 x50mm screws. Eared sockets have elongated fixing holes to permit the use of pipe nails or coach bolts.

- 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 a 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

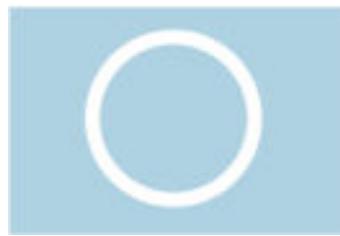
When cleaning adjacent surfaces, cast iron should be protected against all acids and concentrated alkalis.



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:

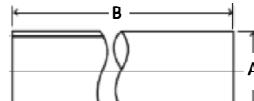
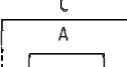
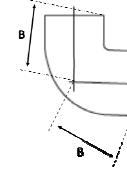
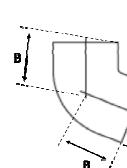
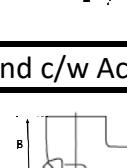
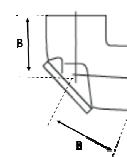
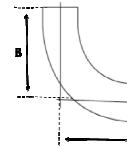
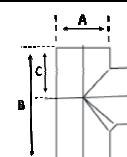
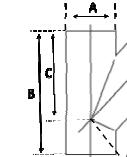
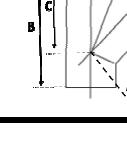
- Restoration and new build contracts
- Traditional heritage projects
- Listed and conservation properties
- Quality domestic properties and luxury housing
- Government and community buildings

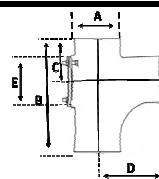
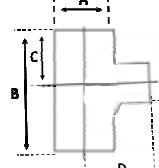
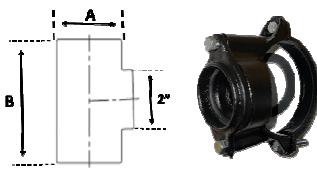
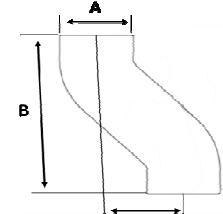
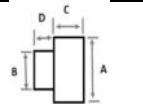
Coloured Cast Iron Pricing

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 |
| | | | | | | | |
| | | | | | | | |
|   | 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 | SX40/SRB/A/92 |
| | | | | | | Bend c/w Access | |
| | | | | | | | |
| | | | | | | | |
| 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 | 92.5 Deg Single Branch | SX40/BR/92 |
| | S | 50mm | 58 | 145 | 66 | 92.5 Deg Single Branch | SX20/BR/92 |
| | | | | | | | |
| | | | | | | | |
|   | S | 100mm | 110 | 2015 | 130 | 112.5 Deg Single Branch | SX40/BR/112 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
|   | S | 100mm | 110 | 270 | 205 | 135 Deg Single Branch | SX40/BR/135 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| Description | Pipe (Nominal) | Technical (mm) | | | | Description | Suffix /PA | |
|---|-------------------|----------------|-----|-----|-----|------------------------|--------------------------|--|
| | | (Actual) | | | | | | |
| Single Branch c/w Access | Size | A | B | C | D | | | |
|   | S | 100mm | 110 | 270 | 102 | 150 | | |
| | | 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 | |
| | | E | | | | | SX40/BRU/50/92 | |
| | | | 58 | | | | | |
| | | | | | | | | |
| Access Pipe | Size | A | B | C | D | | | |
|   | S | 100mm | 110 | 250 | 115 | | Access Pipe Oval Door | |
| | | 100mm | 110 | 250 | 160 | | Access Pipe Round Door | |
|  | | | | | | | SX40/APO | |
| | | | | | | | SX40/APR | |
| | | | | | | | | |
| | | | | | | | | |
| Boss Pipe | Size | A | B | C | D | | | |
|   | S | 100mm | 110 | 155 | | | Boss Pipe c/w 2" Boss | |
| | | 100mm | 110 | | | | Stap on Boss c/w 2" Boss | |
|   | S | 100mm | 110 | 205 | 65 | | Offset Pipe - 65mm | |
| | | 100mm | 110 | 270 | 130 | | Offse Pipe - 130mm | |
| | | 100mm | 110 | 340 | 200 | | Offse Pipe - 200mm | |
| | | 100mm | 110 | 320 | 305 | | Offse Pipe - 305mm | |
| Reducer & Blank End | Size | A | B | C | D | | | |
|   | S | 100mm | 110 | 58 | 45 | 30 | Reducer 100/50mm | |
| | | 100mm | 110 | 40 | | | Blank End 100mm | |
| Pipe Brackets | Size | | | | | | | |
|  | S | 100mm | | | | | Pipe Clip | |
| | | 100mm | 250 | | | | Extended Pipe Clip | |
| | | 100mm | | | | | Pipe Bracket | |
| | | 50mm | | | | | Cast Iron | |
| Cowl & Leaf Guard | Size | | | | | | | |
|  | S | 100mm | | | | | 100mm Wire Baloon | |
| | | 50mm | | | | | 50mm Wire Baloon | |
| | | 100mm | | | | | Cowl - Chinamans Hat | |
| Tube of Lubricant | | | | | | | | |
|  | S | 250ml | | | | | 50ml Tube of Lubricant | |
| | | | | | | | SX/L | |

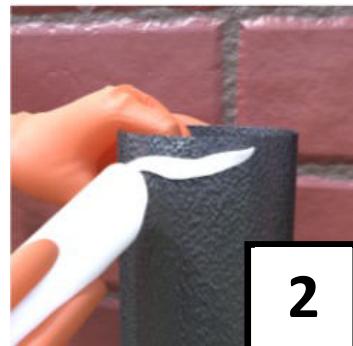
Heritage LCC Push-Fit Soil

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. Its 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. The 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 assemble 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.

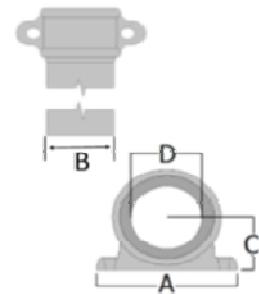
Quality

- 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

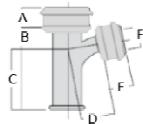
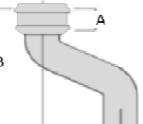
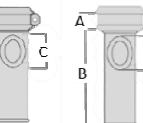
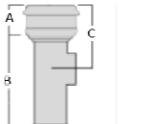
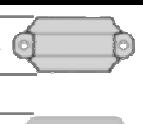
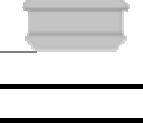
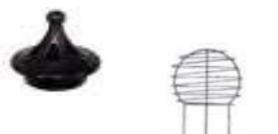
We supply our Premier LCC soil pipes and fittings with a black bitumen finish conforming to BS 416. If over painting please refer to your paint specialist or paint manufacturer for a compatible product.





| | | |
|----------------------------|----------|----------|
| 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 | 78mm | 127mm |
| Caulking Clearance (min.) | 3mm | 6mm |

| Description | Pipe | Technical (mm) | | | | Description | Code |
|--------------------------|-------------|----------------|--------|-----------------------|-----|-----------------------------|--------------|
| Pipe Length - Eared | Size | Size | Length | | | | |
| | Nominal | Actual | | | | | |
| S | 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 | | | | | |
| S | 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 | | |
| S | 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 | | |
| S | 100mm | 177 | 165 | 100 | | 135 Deg Bend | SL40/B/135 |
| | | | | | | | |
| 92.5 Deg Bend c/w Access | Size | A | B | C | D | | |
| S | 100mm | 193 | 180 | 117 | 100 | 92.5 Deg Bend | SL40/BA/92 |
| | | | | | | | |
| | | | | | | | |
| 92.5 Deg Branch | Size | A | B | C | D | | |
| S | 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 | | |
| S | 100mm | 76 | 330 | 146 | 184 | 135 Deg Branch | SL40/BR/135 |
| | | | | | | | |
| Branch c/w Access | Size | A | B | C | D | | |
| S | 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 | | | | | |

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

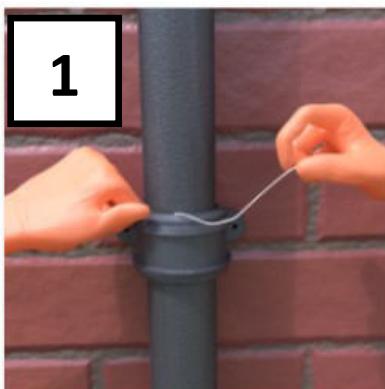
Traditional LCC Soil System

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 leadmethod). We can provide the following cold jointing products. Caulking cord and Marine Sealant.

**1**

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

**2**

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.

**3**

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

**4**

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 or eared soil pipe is 100mm large head pipe nail, coach bolt or other proprietary fixing. Fixing of unearmed 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

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 | 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

