



# INSTALLATION GUIDE

*Classical cast iron  
rainwater & gutter  
systems*



# INSTALLATION ADVICE

*(Read in conjunction with BSEN 12056-3)*

The purpose of this Guide is to provide detailed information and clear instructions to assist the installer, with methods, to simplify the installation being achieved.

Its objective is to provide the user with all the necessary advice to ensure a trouble-free and quality installation.

For full product range see product manual.

## **TECHNICAL/PLUMBING ADVISORY SERVICE**

In support of Saint-Gobain PAM UK's extensive manufacturing resources a plumbing advisory service is available to customers to provide technical assistance and guidance on installation.

**Telephone Helpline: 01952 262529.**

**ENQUIRIES/SALES:** Saint-Gobain PAM UK,  
Lows Lane, Stanton-by-Dale, Ilkeston, Derbyshire, DE7 4QU.

**Telephone: 0115 930 5000. Fax: 0115 932 9513.**

Website: [www.saint-gobain-pam.co.uk](http://www.saint-gobain-pam.co.uk)

## **GENERAL**

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

- 1.** Ensure the ladder is based on levelground, preferably not soil or grass. If the ladder is based on soil or grass then place a board beneath the legs to spread the load and prevent sinking.
- 2.** If possible, tie the top of the ladder to ring bolts at eaves level.

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

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

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

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

# GUTTER INSTALLATION

## STEP 1

Identify route which rainwater will take.

## STEP 2

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

## STEP 3

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

**Note:** For other brackets see "General Notes" (Page 1).

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

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

Use plumbline or string for alignment when bracketing.

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

Fig. 1

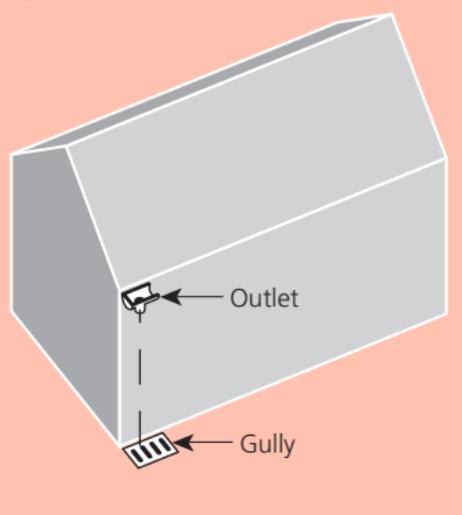


Fig. 2

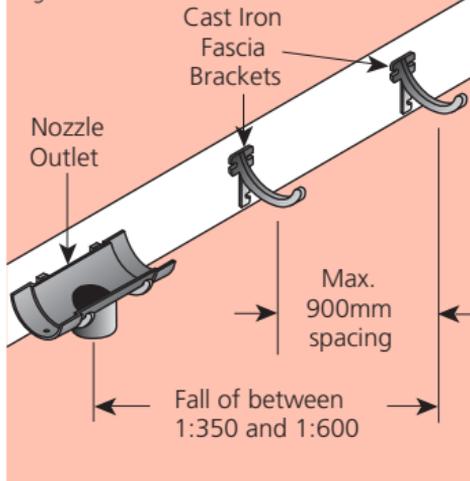
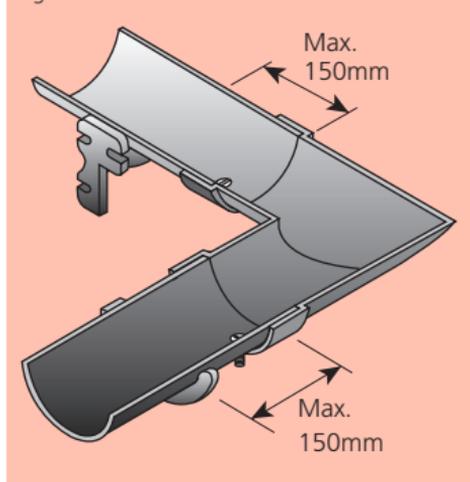


Fig. 3



#### STEP 4

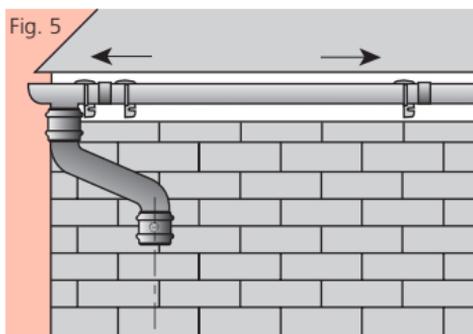
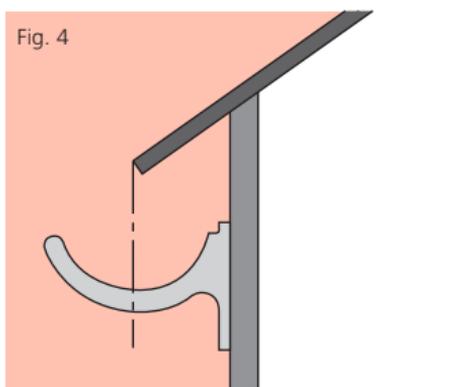
Ensure brackets are installed so that centre of gutter is beneath the tile edge. (Fig. 4)

See installation advice, general re: Fascia Board (Page 1).

#### STEP 5

Position gutters loosely within brackets and assess installation for fall and offset position to rainwater pipe.

Make adjustments as required. (Fig. 5)

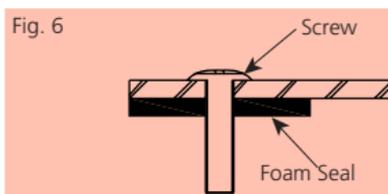


## JOINTING

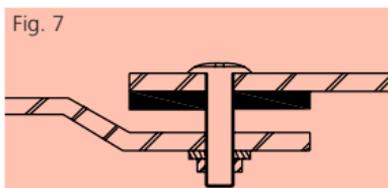
### HALF ROUND PROFILE

If installing Half Round Profile Gutters, The **New Cast Iron Jointing Kit** (Product Code 192284) can be used as an alternative to the traditional method. Kit contains enough materials to seal 20 Half Round Gutter Joints (and is suitable for the 100, 115 and 125mm HR sizes. For 150mm HR, see Fig. 10).

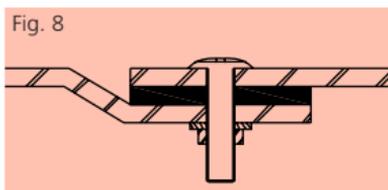
1. Push screw through spigot of gutter or fitting and then through the hole in the gasket material. The hole in the gasket is a tight fit and will locate on the screw while the joint is being made. (Fig. 6)



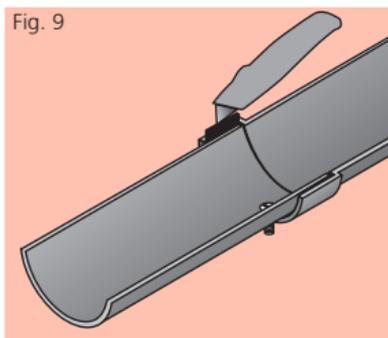
2. Locate the screw, seal and spigot of the gutter or fitting into the socket of the gutter or fitting and fix square nut and washer to the end of the screw. (Fig. 7)



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



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



5. Paint gutters, joint and screws to the equivalent standard of the finish coat.

## BEADED HALF ROUND, DEEP HALF ROUND, MOULDED N0.46, OG, NOTTSOGAND BOX PROFILE

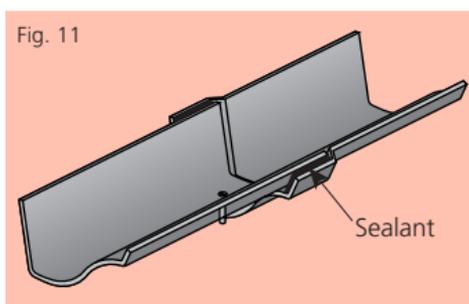
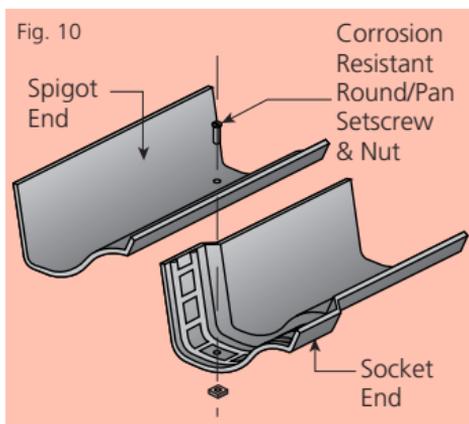
Gutter sockets should be joined to spigots with a specialist rubberised bitumen gutter sealant or a low modulus silicon sealant, then fixed with a corrosion resistant round/pan head setscrew and nut, M6x 20mm long. (Fig. 10)

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

Repeat this procedure for all joints.

*See notes regarding replacement gutters.*

**Note:** Before installing gutters and fittings, ensure that all pieces have been suitably painted. See painting finish methods. If any gutters have been cut, ensure that there are no loose filings on the system as these will quickly discolour the product.



## CLASSICAL EXPRESS CLIP ASSEMBLY



### STEP

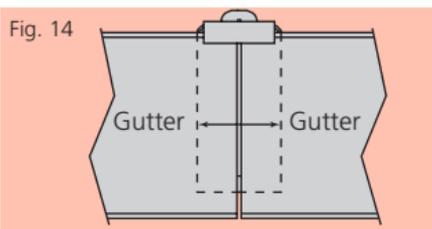
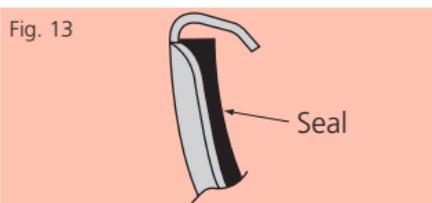
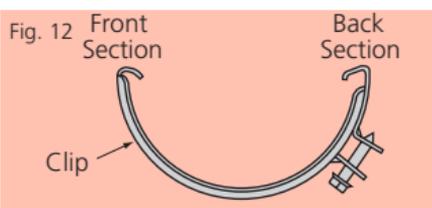
Slacken bolt to the fullest extent (Fig. 12).

### STEP 2

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

### STEP 3

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



#### STEP 4

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

#### STEP 5

Typical appearance of assembled joint (Fig. 16).

## DRILLING GUTTERS

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

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

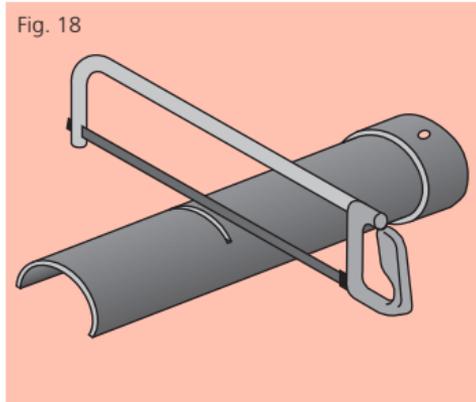
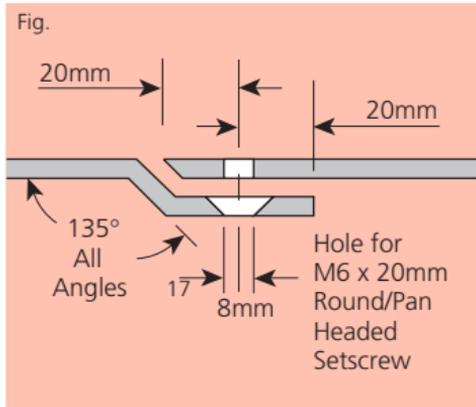
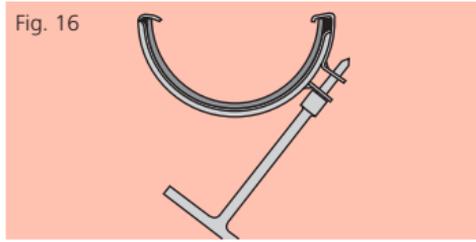
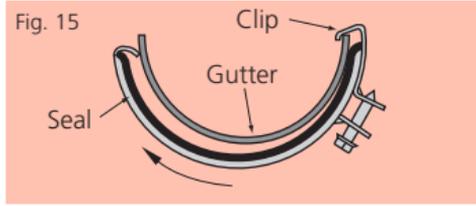
We recommend the use of tungsten tipped drills or a good quality masonry drill.

## CUTTING

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

A powered saw or disc cutter can be used.

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



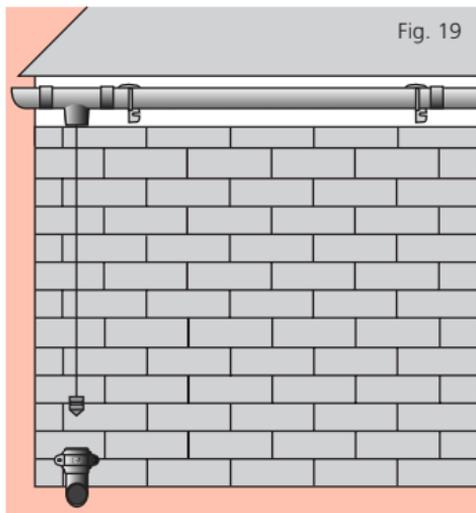
## PIPE INSTALLATION (BOTTOM UP)

#### STEP 1

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

#### STEP 2 (EARED PIPE)

Determine the position of the fixings and drill suitable holes to take rawlplugs or anchors. 8mm x 50mm min. Non-corrosive fixing should be used without wall spacer



plate, 8mm x 75mm min. non-corrosive fixing with wall spacer plate. (Fig. 20)

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

### STEP 3

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

### STEP 4

Drill and fix as shoe.

### STEP 5

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

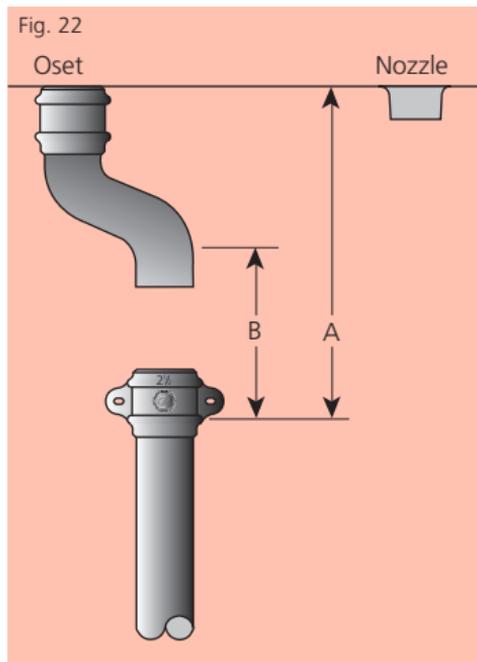
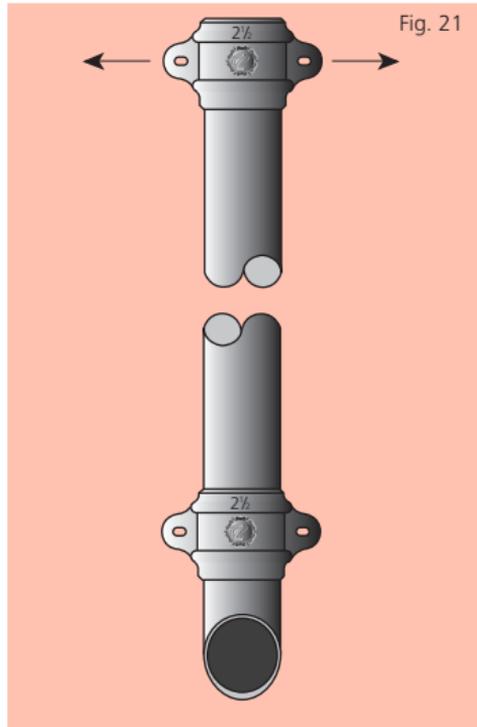
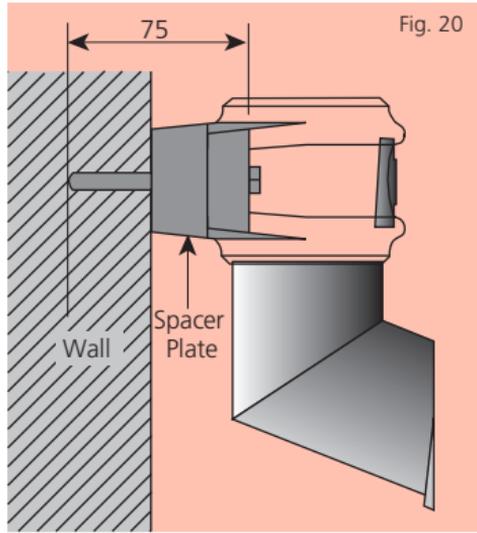
### STEP 6

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

### STEP 7

Cut pipe to length allowing 5mm for clearance on length and fix as previously described.

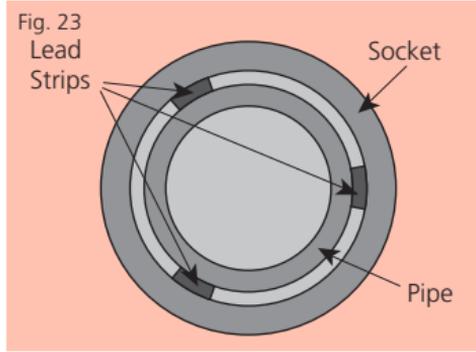
**Note:** It may be necessary to lift gutter to locate nozzle in the pipe socket.



## STEP 8

Finally, to centralise and secure pipe joints, use wedges made up from sheet lead cut into 30mm strips, rolled and tapped, between socket and pipe.

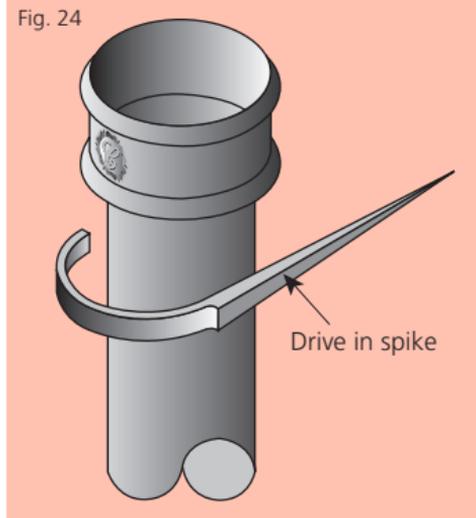
This should be inserted in 3 places to avoid any rattle. (Fig. 23)



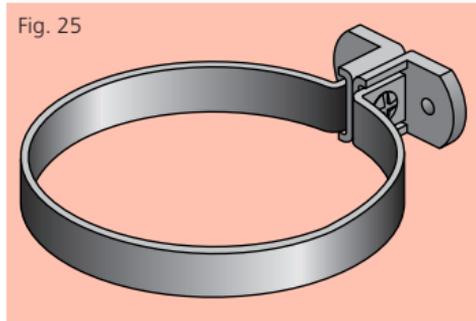
## UNEARED PIPE FIXING

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

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



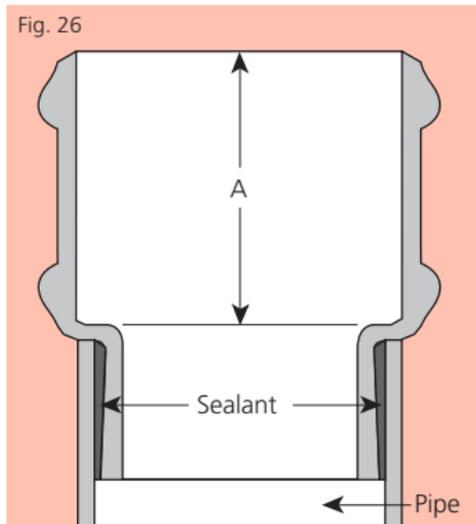
**Note:** For rectangular pipes, a cast iron decorative ear band can be supplied by Saint-Gobain PAM UK for fixing pipes to the wall.



## LOOSE SOCKETED PIPE FIXING (BOTTOM UP)

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

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



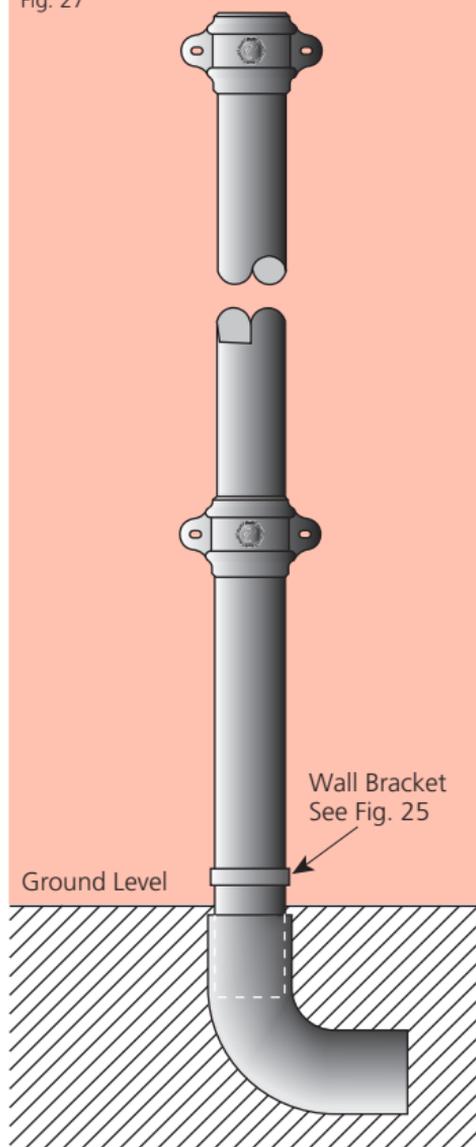
To establish pipe length required, loosely insert socket and follow Step 6 in Fixed Socket Section.

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

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

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

Fig. 27



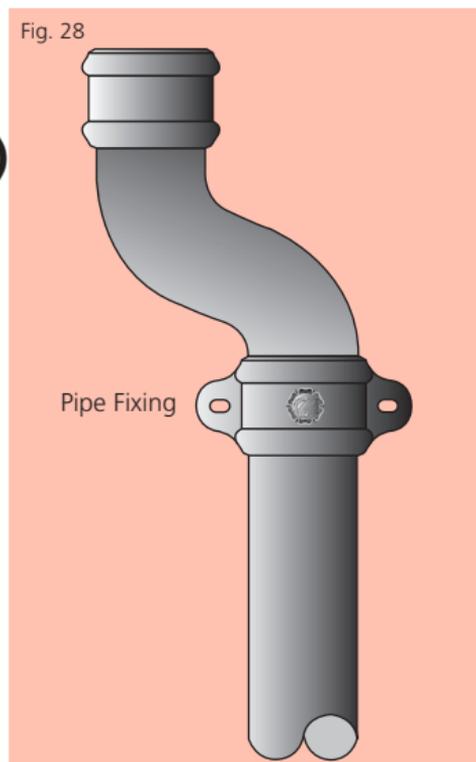
## TOP DOWN FIXING (FIXED SOCKET)

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

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

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

Fig. 28



# LOOSE SOCKETED PIPE (TOP DOWN)

## STEP 1

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

## STEP 2

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

## STEP 3

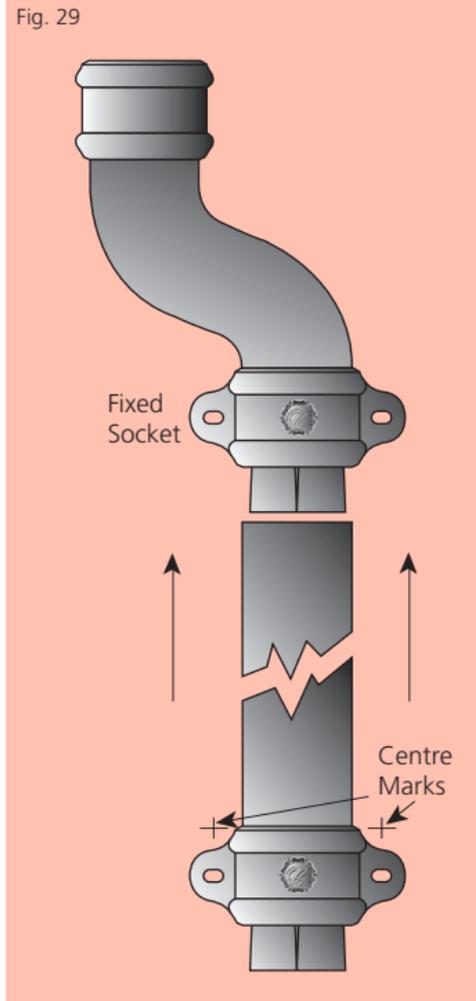
Both pipe and socket are then offered to the fixed socket spigot ensuring that the pipe end is located to the underside of the fixed socket.

## STEP 4

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

## STEP 5

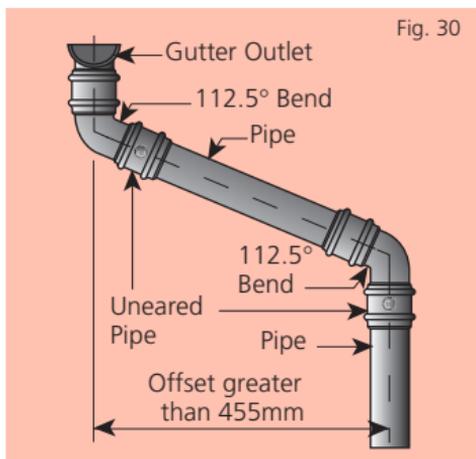
This is repeated until stack is completed.



## ADDITIONAL INFORMATION

### MAKING UP OFFSETS

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



## SEALING PIPE JOINTS

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

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

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

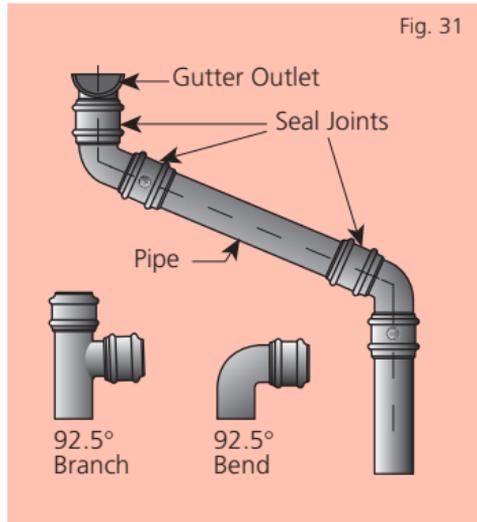


Fig. 31

## CUTTING PIPE

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

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

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

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

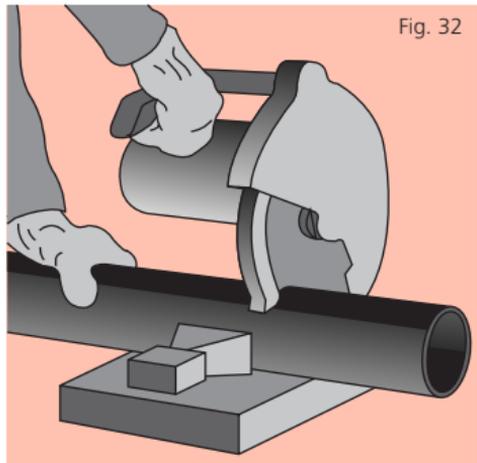


Fig. 32

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

Always follow guidelines laid down in health and safety regulations.

## PAINTING/FINISH METHODS

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

**Painting** - (on site, prior to installation)

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

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

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

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

**Saint-Gobain PAM UK does not accept any responsibility for the performance of any customer-applied, finished coat systems. It is the responsibility of the installer/purchaser to examine and repair any coating damage to the factory-applied primer coating, before applying further primer and top coats prior to installation.**

### **CLASSICAL PLUS (Finish Coat)**

- Product is supplied wrapped to protect from physical damage
- Install as Classical
- Following installation it is important that any slight installation damage to the coating is repaired with the appropriate quick drying touch up paints available. Product Code 192549 (Primer) and 192550 (Top Coat).

## **MAINTENANCE**

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

**1.** Annually check and clear the gutter systems & rainwater heads of any leaves and debris that could cause a potential blockage (may require more checks if in close proximity of trees etc).

**2.** Also inspect the condition of the paintwork at the same time as 1. wiping clean any film built up, to protect the surface finish.

**3.** Also check on security of fixings and joints.

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

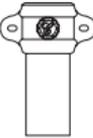
## **EQUIPMENT REQUIRED**

### **TOOLS**

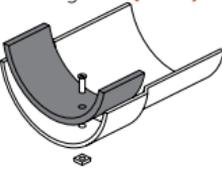
Drill  
Screwdriver  
Adjustable Spanner  
Hacksaw - Disc Cutter  
Wirebrush  
Plumbline  
Pencil / Marker  
Ladder  
Scaffold  
Paint Brush  
Scrapper  
Spirit Level  
Tape Measure

### **MATERIALS**

Classical gutters and rainwater fittings etc.  
Paint - metal primer, undercoat, topcoat  
Mastic Sealant - low modulus (suitable for overpainting) or Plumbers' Mate  
Setscrews and Nuts (gutter bolts 6mm x 25mm long)  
Wall Anchors - for pipe sockets (50-75mmmin. length)  
Lead strips - to wedge in sockets  
Round headed woodscrews (5mm x 25mm long)  
Round/Pan headed setscrews (6mm x 20mm long)

PRODUCTS	SIZES	PRODUCTS	SIZES
<b>CLASSICAL RAINWATER PIPES (A585)</b>		<b>OFFSETS (A594)</b>	
	Single Socket Eared (overall length) 1829mm 65 1829mm 75 1829mm 100		75 projection 65 75 projection 75 75 projection 100 115 projection 65 115 projection 75 115 projection 100 150 projection 65 150 projection 75 150 projection 100
	Single Socket No Ears (overall length) 1829mm 65 1829mm 75 1829mm 100	<b>OFFSETS</b>	
<b>PLAIN BARRELS</b>			225 projection 65 225 projection 75 225 projection 100 305 projection 65 305 projection 75 305 projection 100 380 projection 65 380 projection 75 380 projection 100 455 projection 65 455 projection 75 455 projection 100
	(overall length) 1750mm 65 75 100	<b>OFFSETS</b>	
<b>LOOSE SOCKETS (A586)</b>			225 projection 65 225 projection 75 225 projection 100 305 projection 65 305 projection 75 305 projection 100 380 projection 65 380 projection 75 380 projection 100 455 projection 65 455 projection 75 455 projection 100
	Eared 65 Eared 75 Eared 100	<b>OFFSETS</b>	
	No Ears 65 No Ears 75 No Ears 100		305 projection 65 305 projection 75 305 projection 100 380 projection 65 380 projection 75 380 projection 100 455 projection 65 455 projection 75 455 projection 100
<b>WALL SPACER PLATE (A584)</b>		<b>GALVANISED STEEL WALL-FIXING BRACKET (A548)</b>	
	Cast iron - 65 for use with eared 75 pipes and shoes 100		65 75 100
<b>SHOES FRONT (A588)</b>		<b>DRIVE-IN SPIKE (A459)</b>	
	Eared 65 Eared 75 Eared 100 No Ears 65 No Ears 75 No Ears 100		65 75
<b>RAINWATER DIVERTER KIT (A593)</b>		<b>CLASSICAL PIPES (A601)</b>	
	No Ears 65 No Ears 75 Eared 65 Eared 75		Square & Rectangular Eared and No Ears 75 x 75 100 x 75 100 x 100 125 x 100
<b>ACCESS PIPE (A590)</b>		<b>HEADS</b>	
	No Ears 65 No Ears 75 No Ears 100 Eared 65 Eared 75 Eared 100		Flat Hopper (A750) 210 x 160 x 185 65 210 x 160 x 185 75 250 x 215 x 215 100
<b>BENDS (A591)</b>			Flat Hopper (A751) 305 x 186 x 200 65 305 x 186 x 200 75
	92 1/2° 65 92 1/2° 75 92 1/2° 100		Flat Rectangular Box (A841) 225 x 125 x 125 65 225 x 125 x 125 75
	112 1/2° 65 112 1/2° 75 112 1/2° 100		Flat Rectangular Box (A842) 280 x 150 x 130 100
	135° 65 135° 75 135° 100		Rectangular (A484) 300 x 250 x 200 65 300 x 250 x 200 75 300 x 250 x 200 100
<b>BRANCHES (A592)</b>			Castellated Rectangular (A485) 250 x 180 x 175 65
	92 1/2° 65 92 1/2° 75 92 1/2° 100		Rectangular (A485) 250 x 180 x 175 75 250 x 180 x 175 100
	112 1/2° 65 112 1/2° 75		
	135° 65 135° 75		

**These products are available primer coated or "Plus" finish**

PRODUCTS		SIZES	PRODUCTS		SIZES
<b>HR GUTTER &amp; CONNECTIONS</b>					
Half Round Gutter (G800)					
	1829mm length	100			
	1829mm length	115			
	1829mm length	125			
	1829mm length	150			
Right Angle Double Socket (G802D)					
	90°	100			
	90°	115			
	90°	125			
	90°	150			
Right Angle Single Socket (G801)					
	90°	100			
	90°	115			
	90°	125			
	90°	150			
Left Angle Single Socket (G802)					
	90°	100			
	90°	115			
	90°	125			
	90°	150			
Right Angle Single Socket (G801)					
	135°	100			
	135°	115			
	135°	125			
	135°	150			
Left Angle Single Socket (G802)					
	135°	100			
	135°	115			
	135°	125			
	135°	150			
Union Clip (G803)					
		100			
		115			
		125			
		150			
Stoepend for Spigot (G804)					
		100			
		115			
		125			
		150			
Stoepend for Socket (G805)					
		100			
		115			
		125			
		150			
Nozzle (G806)					
	65mm outlet	100			
	65mm outlet	115			
	65mm outlet	125			
	75mm outlet	100			
	75mm outlet	115			
	75mm outlet	125			
	75mm outlet	150			
	100mm outlet	150			
Dropend with socket (G807)					
	65mm outlet	100			
	65mm outlet	115			
	75mm outlet	125			
	75mm outlet	150			
	100mm outlet	150			
Dropend with spigot (G808)					
	65mm outlet	100			
	65mm outlet	115			
	75mm outlet	125			
	75mm outlet	150			
	100mm outlet	150			
Fascia Bracket (G809)					
		100			
		115			
		125			
		150			
Rise & Fall Bracket (G872)					
	Black coated	100			
	mild steel	125			
		150			
Note - requires painting after xing					
Rafter Bracket (G871)					
	Top x	100			
	Galv. mild steel	115			
		125			
		150			
Rafter Bracket (G870)					
	Side x	100			
	Galv. mild steel	115			
		125			
		150			
Cast Iron Gutter Jointing Kit (G873) <b>NEW</b>					
		100			
		115			
		125			
		150			
<b>OG GUTTER &amp; CONNECTIONS (G840)</b>					
	1829mm length	100			
		115			
		125			
Angle Internal (G841)					
	90°	100			
	90°	115			
	90°	125			
		150			
Angle Internal (G841)					
	135°	100			
	135°	115			
	135°	125			
		150			
Angle External (G842)					
	90°	100			
	90°	115			
	90°	125			
Angle External (G842)					
	135°	100			
	135°	115			
	135°	125			
		150			

**These products are available primer coated or "Plus" finish**

PRODUCTS	SIZES	PRODUCTS	SIZES
----------	-------	----------	-------

**Union Clip (G843)**



100  
115  
125

**Stopend for Socket (G844)**



100  
115  
125

**Stopend for Spigot (G845)**



100  
115  
125

**Nozzle (G846)**



65mm outlet  
65mm outlet  
65mm outlet  
75mm outlet

100  
115  
125  
125

**Fascia Bracket (G849)\***



100  
115  
125

**OTHER GUTTER PROFILES**

**DEEP HR GUTTER & CONNECTIONS (G810)**



100 x 75  
125 x 75

**3mm THICK HR DOUBLE BEADED GUTTER & CONNECTIONS (G820)**



100  
115  
120

**MOULDED GUTTER & CONNECTIONS (G830)**



100 x 75  
125 x 100  
150 x 100

**NOTTS OG GUTTER & CONNECTIONS (G850)**



1829mm length

115

**BOX GUTTER & CONNECTIONS (G860)**



1829mm length

100 x 75



**Gutter (G880)**



1830mm length 125

**90°Angle (G881)**



125

**45°Angle (G882)**



125

**Transitional Clip (G883)**



Connect to 115mm & 125mm B S460 half round gutter 125

**Nozzle (G885)**



125 x 75

**Fascia Bracket (G886)**



125

**Joining Clip (G887)**



Complete with Gasket Seal 125

6 pack of spare Gasket Seals (192348)

**T Spanner (192349)**

**DIMENSION (SIZE) KEY:**

**Pipe:**

65mm - 2 1/2" imperial size  
75mm - 3" imperial size  
100mm - 4" imperial size  
100 x 75mm - 4" x 3" imperial size

**Gutter:**

100mm - 4" imperial size  
115mm - 4 1/4" imperial size  
125mm - 5" imperial size  
150mm - 6" imperial size  
100 x 75mm - 4" x 3" imperial size  
125 x 75mm - 5" x 3" imperial size  
125 x 100mm - 5" x 4" imperial size

Half Round and common Ogee gutters and connections are manufactured in accordance with BS460  
All products are supplied in a black primer coating

**These products are available primer coated or "Plus" finish**

Please visit our dedicated website:  
[www.classicalrainwater.co.uk](http://www.classicalrainwater.co.uk)

#### Technical Enquiries

Tel: +44 (0)1952 262529

Fax: +44 (0)1952 262592

Email: [technical.soildrain.uk.pam@saint-gobain.com](mailto:technical.soildrain.uk.pam@saint-gobain.com)

#### Sales Enquiries

Tel: +44 (0)115 930 0681

Fax: +44 (0)115 930 0648

email: [sales.uk.pam@saint-gobain.com](mailto:sales.uk.pam@saint-gobain.com)

#### Head Office

Lows Lane, Stanton-by-Dale, Ilkeston,  
Derbyshire, DE7 4QU

Tel: +44 (0)115 930 5000

Fax: +44 (0)115 932 9513

## UK Market

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

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

## Sales Contacts

### Regional Sales Managers *Tel-Mobile*

---

Scotland 07766 776636

---

Northern Region: 07710 803126  
North East, Cumbria,  
Yorks, Lancs, Cheshire

---

Midlands Region: 07711 097202  
East/West Midlands,  
North/Mid Wales, Lincs

---

East Region: 07801 316966

---

South West & South Wales 07766 776634

---

South East 07850 810373

---

Northern Ireland 07711 097202

---

## Quality Assurance



Quality Management Systems BS EN ISO 9001:2008  
(Registered firm: FM 12908)

## Environmental Standard



Environmental Management Systems BS EN ISO 14001:2004

**[visit:www.saint-gobain-pam.co.uk](http://www.saint-gobain-pam.co.uk)**

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