

RAINWATER SYSTEMS BRACKET FIXED GUTTERS

BRACKET FIXED GUTTERS

Bailey Bracket Fixed Gutter Systems include Corfe and Durham cast aluminium gutter systems and Arundel, Conway and Dover extruded aluminium gutter systems. The Arundel and Dover extruded gutter systems can also be direct fixed, see separate instructions.

These gutters are designed to be bracket mounted on fascias or rafters using the appropriate bracket. Gutters should be level or to a fall as directed by site supervision.

COMPLETE EAVES SYSTEMS

Gutters are normally supplied as part of a combined rainwater and fascia soffit system. The sequence of installation within these systems will depend on the individual project and eaves design.

When this applies these instructions should be read in conjunction with the relevant fascia soffit fixing instructions and the Bailey working drawings for the project.

HANDLING

Parts should be stored carefully, not stacked too high, and be kept in bubble wrap until required for installation. Bubble wrap should be used to protect products on site, especially when transporting or cutting. Profiles are potentially vulnerable to scratching or other damage when being moved on site and appropriate care must be taken.

PARTS

The Bailey Bracket Fixed Gutter System consists of the following parts. Carefully identify each part so that you are familiar with it and its place in the system.

- Standard gutter sections
- Gutter with socketed end (Corfe and Durham only)
- Internal joint sleeves
- Fascia brackets
- Rafter brackets
- Running outlets
- Corners - internal and external
- Stop ends handed left and right

WORKING CONDITIONS

For good quality work, and to ensure the Health & Safety requirements are maintained, installation platforms should be set at the correct working height.

CUTTING

Gutters to be cut must be measured carefully and have masking tape affixed along either side of the cut line. Accurately mark the points and then cut using a hacksaw or jig saw with the correct aluminium cutting blade. The cut line must be clean crisp and true with all burrs etc. removed. Cut edges should be touched up using the touch up paint provided.

FIXINGS AND SEALANT

Use of correct fixings is important to prevent the possibility of bi-metallic corrosion. Fixings are referenced on the boxes containing them. It is important to use only the sealant supplied to ensure lasting watertight jointing.

SEALANT HEALTH & SAFETY

When working with silicone sealant, wear protective gloves and safety goggles. If sealant comes in contact with skin, wipe off with cloth or paper and wash thoroughly with soap and water. If in contact with eyes, flush with water for 15 minutes. If irritation persists, seek medical attention.

BRACKET FIXED GUTTERS

**GENERAL GUIDANCE
FOR ASSEMBLY AND FIXING**

RAINWATER SYSTEMS BRACKET FIXED GUTTERS

JOINT ASSEMBLY - GENERAL INFORMATION

Bailey bracket fixed gutter systems use two slightly different joint types:

- 1) The internal joint sleeve (Arundel, Conway and Dover)
- 2) Socketed joints (Corfe and Durham)

The alternative joints are illustrated here. Familiarise yourself with the joint type applicable to the system being installed.

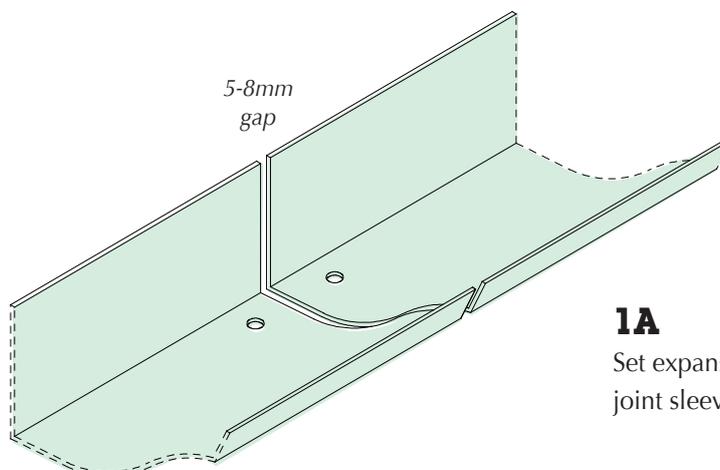
1) INTERNAL JOINT SLEEVE

1A) This joint is assembled and sealed as installation proceeds.

Components should be fixed in place accurately, setting the expansion gap between ends by using the joint sleeve as template but not fixing it in place.

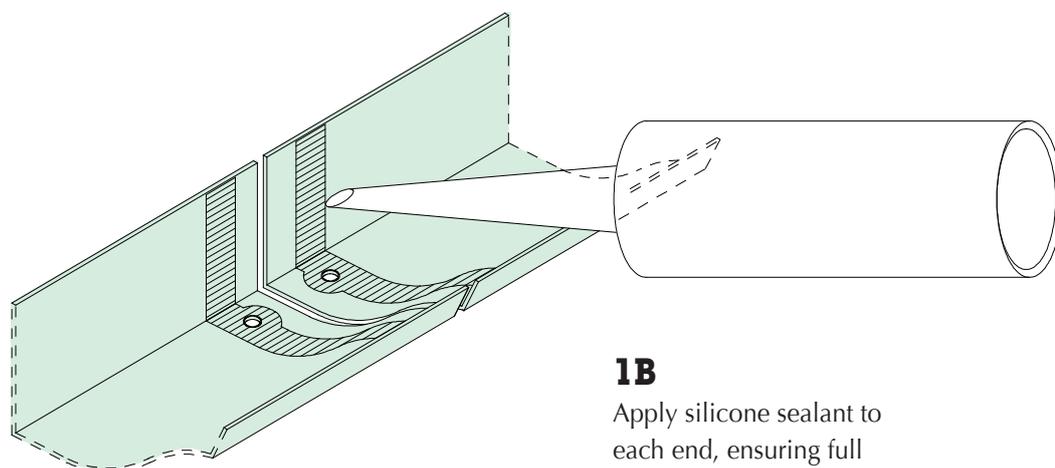
1B) The silicone sealant provided is then applied to the ends of each component taking care to ensure that there is an adequate seal around bolt holes. The sealant must be applied to a clean dry surface.

1C) Finally bed joint sleeve into silicone sealant and fix in place with the nuts, bolts and washers provided. Ensure that the self sealing washers are placed on the inside of the gutter. Care should be taken not to over tighten those fixings, as this will cause sealant to be forced from the joint and result in leaking.



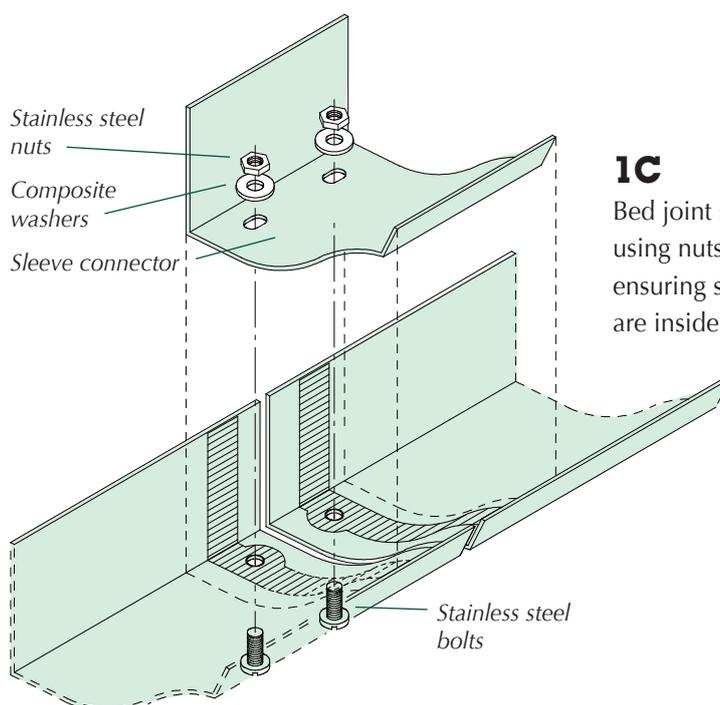
1A

Set expansion gap using joint sleeve as template



1B

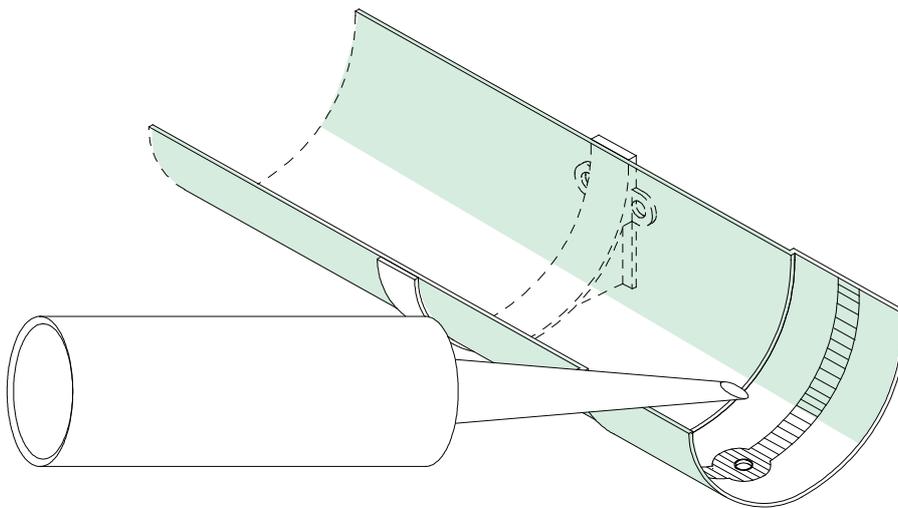
Apply silicone sealant to each end, ensuring full coverage around bolt holes



1C

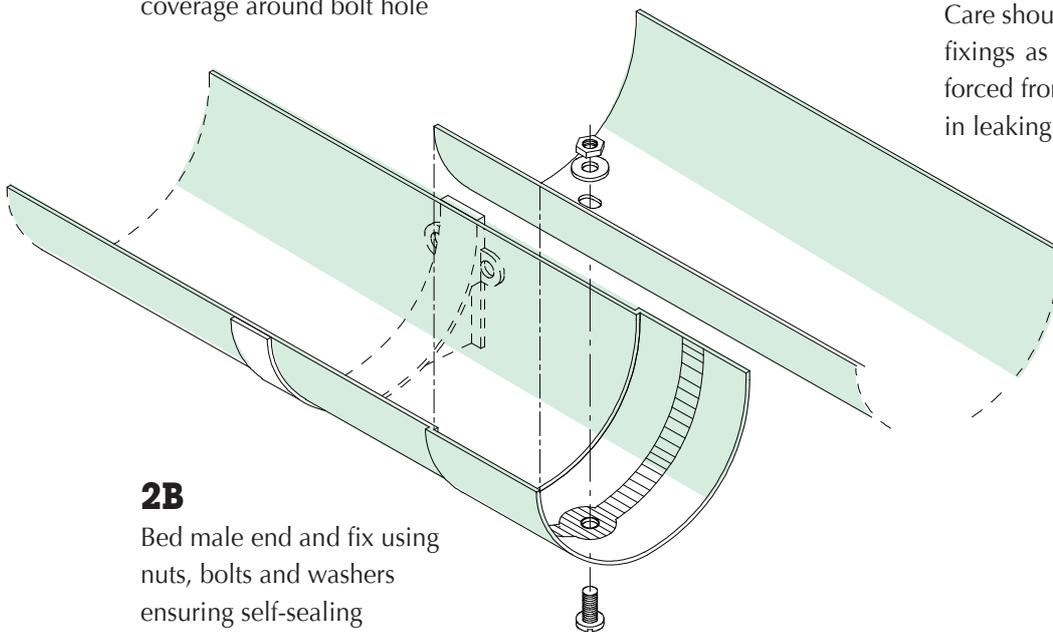
Bed joint sleeve and fix using nuts, bolts and washers ensuring self-sealing washers are inside gutter

RAINWATER SYSTEMS BRACKET FIXED GUTTERS



2A

Apply silicone sealant to socket end, ensuring full coverage around bolt hole



2B

Bed male end and fix using nuts, bolts and washers ensuring self-sealing washers are inside gutter

2) SOCKETED JOINTS

This joint is assembled in a very similar fashion as internal joint sleeves.

Fix component in place.

2A) The silicone sealant provided is then applied to the socket, taking care to ensure that there is an adequate seal around the bolt holes. The sealant must be applied to a clean, dry surface.

2B) Then bed the male end of the next component into the silicone and fix in place with the nuts, bolts and washers provided. Ensure the self sealing washers are placed on the inside of the gutter. Care should be taken not to overtighten fixings as this will cause sealant to be forced from the joint, possibly resulting in leaking.

RAINWATER SYSTEMS BRACKET FIXED GUTTERS

INSTALLATION GUIDANCE

A) Commence installation at the outlet, placing as high as practicable on the fascia. Ensure accurate positioning to align with ground drainage to avoid problems when installing downpipes later.

Offer the outlet up to the fascia and mark the position of the centre of the outlet and the bottom of the gutter. Fix brackets to suit these marks equally on either side of the centre of the outlet using the stainless steel screws provided.

It is important at this stage to ensure that the roof covering does not overhang beyond the mid point of the gutter sole to avoid rain overshoot or "kettle spouting".

B) From the outlet brackets fix a string line, level or to the rise directed.

C) Proceed with installation of gutter brackets at the recommended centre distances*. At internal corners fix a gutter bracket on each face at equal distances* from the corner point of the fascia.

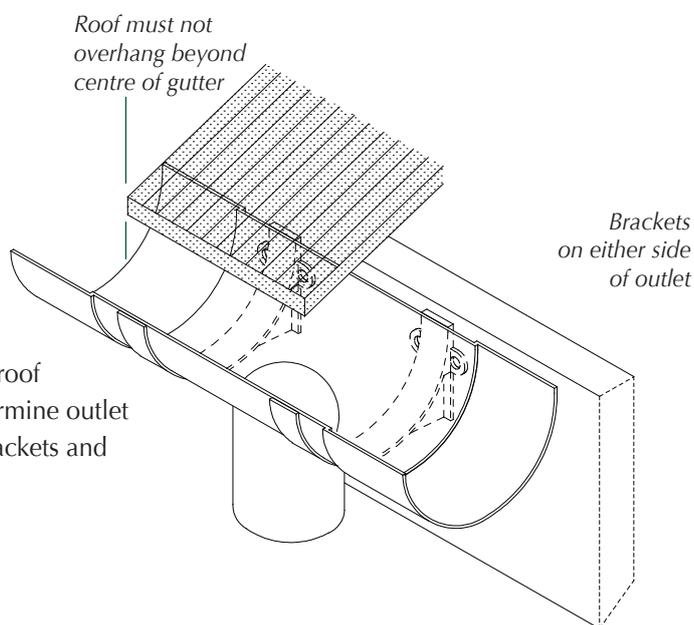
D) Once brackets have been fixed, and falls and distances checked, either slide gutter sections into brackets or feed gutter sections downwards into brackets.

E) Socketed sections should be installed so that the socketed end is away from the outlet. Outlets are double socketed. The gutters are installed so that sockets are laid with the fall or the direction in which the water runs.

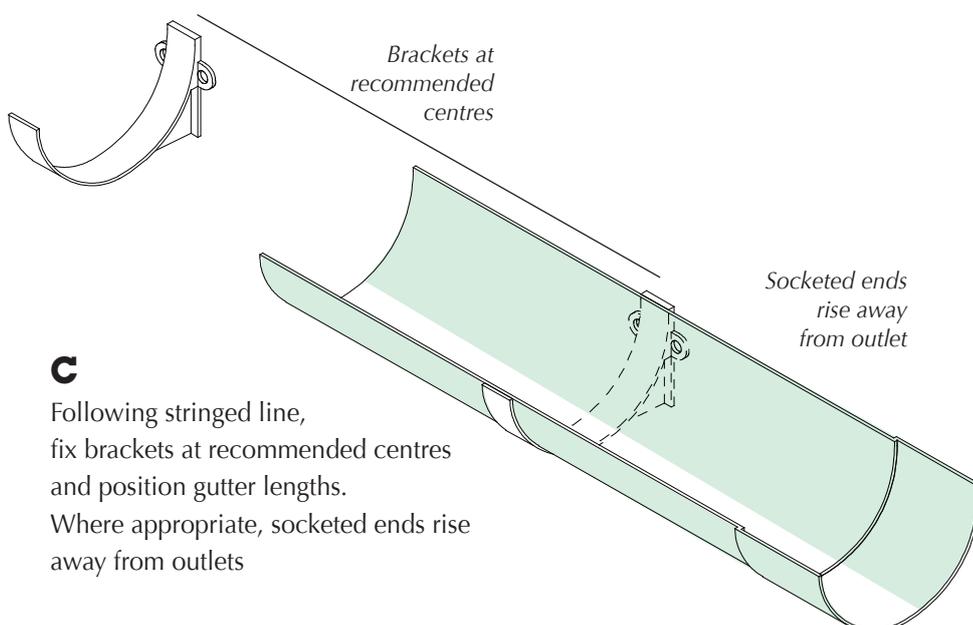
F) When completing a run to a corner or to the next outlet it may be necessary to cut the gutter to length and redrill the end fixing holes.

G) Stop ends are designed to fit over the outside of the gutter and be bedded on silicone sealant and bolted as gutter joints.

H) On completion of a run or at the end of the day's work, check neatness of installation and, if necessary, use touch up paint to repair any slight blemishes. Clean down with warm water and a mild detergent using a soft sponge or cloth. If you have any doubt whatsoever contact Bailey.



A Ensure correct roof overhang, determine outlet position, fix brackets and fix outlet



C Following stringed line, fix brackets at recommended centres and position gutter lengths. Where appropriate, socketed ends rise away from outlets

* Gutter lengths and bracket distances from corners vary according to the system being installed.

BAILEY



Bailey
Blatchford Close Horsham West Sussex RH13 5RF
Phone **01403 261844**