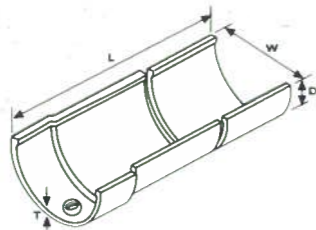


Guttermaster offer a range of 2.0mm thick extruded gutters with socket and spigot joints to allow for thermal movement. The extrusion process allows the use of the high strength alloy 6063 T6 and permits gutters to be produced with the finest straightness tolerances available (1.0mm/metre for extrusion compared with 3.5mm/metre for casting).

Standard Gutter Length

Use maximum length to minimise joints

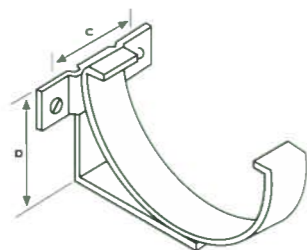
| | | |
|----------|-------------------|--------------|
| dim (mm) | Ref: HG100 | HG113 |
| W | 102 | 113.5 |
| T | 2 | 2 |
| D | 51 | 57 |
| L | TO 3000 | TO 3000 |
| dim (mm) | Ref: HG125 | HG150 |
| W | 127 | 152 |
| T | 2 | 2 to 3 |
| D | 63.5 | 76 |
| L | TO 3000 | TO 3000 |



Fascia Brackets – with wind restraint

Other types of brackets available – please enquire

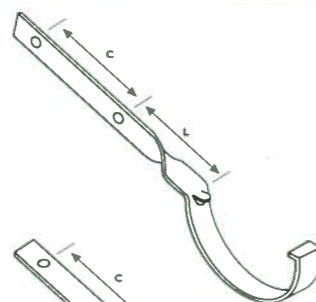
| | | |
|----------|--------------------|---------------|
| dim (mm) | Ref: HFB100 | HFB113 |
| C | 48 | 48 |
| D | 61 | 67 |
| dim (mm) | Ref: HFB125 | HFB150 |
| C | 48 | 48 |
| D | 73.5 | 86 |



Rafter Brackets – with wind restraint

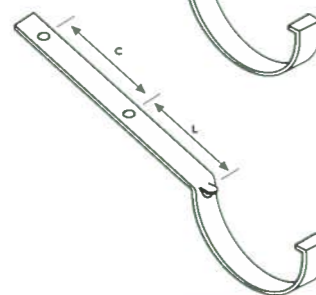
SIDE FIXING

| | | |
|----------|--------------------|---------------|
| dim (mm) | Ref: HRS100 | HRS113 |
| L | 100 | 100 |
| C | 100 | 100 |
| dim (mm) | Ref: HRS125 | HRS150 |
| L | 100 | 100 |
| C | 100 | 100 |



TOP FIXING

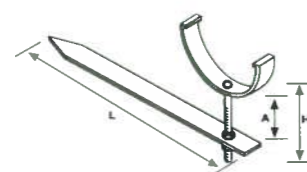
| | | |
|----------|--------------------|---------------|
| dim (mm) | Ref: HRT100 | HRT113 |
| L | 100 | 100 |
| C | 100 | 100 |
| dim (mm) | Ref: HRS125 | HRT150 |
| L | 100 | 100 |
| C | 100 | 100 |



Please specify pitch of rafters/trusses.

Rise & Fall Brackets – with wind restraint

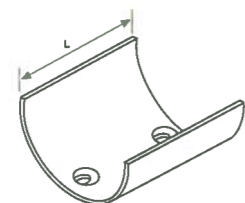
| | | |
|----------|--------------------|---------------|
| dim (mm) | Ref: HRF100 | HRF113 |
| L | 275 | 275 |
| H | 75 | 75 |
| A | | |
| dim (mm) | Ref: HRF125 | HRF150 |
| L | 275 | 275 |
| H | 75 | 75 |



Union Joints

For use when socket joint has been cut off a length or fitting.

| | | |
|----------|--------------------|---------------|
| dim (mm) | Ref: HUJ100 | HUJ113 |
| L | 98 | 98 |
| dim (mm) | Ref: HUJ125 | HUJ150 |
| L | 98 | 98 |



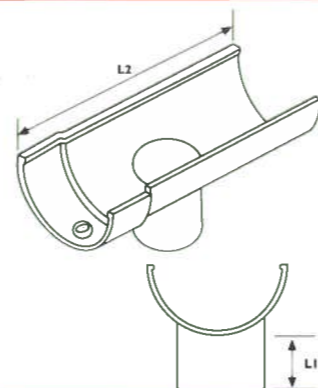
Special Features:

- The heavy grade part of BS2997 specifies a thickness of 2.0mm; the Gutter Master system increases the thickness to 3mm near the edges which could otherwise be vulnerable to distortion
- All brackets have wind restraint lips to prevent uplift
- Joints incorporate spacers as part of the manufacturing process. This ensures a 2mm sealant bed is maintained in the joint even if the bolts are over-tightened. This allows the gutter to expand and contract freely without leakage.

Running Outlets

Where deep fascia boards are to be used 'L1' can be increased. This should be noted when specifying

| | | |
|----------|--------------------|---------------|
| dim (mm) | Ref: HRO100 | HRO113 |
| L1 | 100 | 100 |
| L2 | 250 | 250 |
| dim (mm) | Ref: HRO125 | HRO150 |
| L1 | 100 | 100 |
| L2 | 250 | 250 |



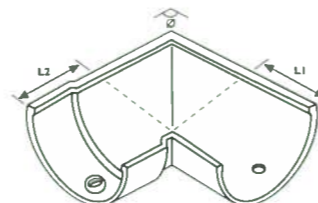
Spigots can be fitted to suit all sizes of rainwater pipes except HRO100 outlet which cannot accommodate 10000 or 10050 rainwater pipes.

Angles

Where Ø is 90°

| | | |
|----------|----------------------|-----------------|
| dim (mm) | Ref: HA90/100 | HA90/113 |
| L1 | 202 | 213.5 |
| L2 | 227 | 238.5 |

| | | |
|----------|----------------------|-----------------|
| dim (mm) | Ref: HA90/125 | HA90/150 |
| L1 | 225 | 250 |
| L2 | 250 | 275 |



Where Ø is 135°

| | | |
|----------|----------------------|-----------------|
| dim (mm) | Ref: HA45/100 | HA45/113 |
| L1 | 202 | 213.5 |
| L2 | 227 | 238.5 |

| | | |
|----------|----------------------|-----------------|
| dim (mm) | Ref: HA45/125 | HA45/150 |
| L1 | 225 | 250 |
| L2 | 250 | 275 |

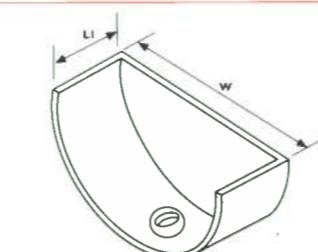
Angles are available in standard 90° & 135° (Ø), non-standard angles can also be supplied.

Stop Ends

EXTERNAL

| | | |
|----------|---------------------|----------------|
| dim (mm) | Ref: HSEX100 | HSEX113 |
| L | 50 | 50 |
| W | 110 | 121.5 |

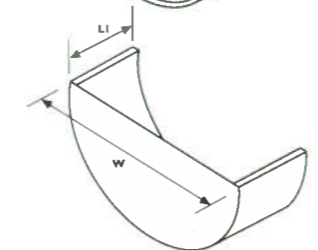
| | | |
|----------|---------------------|----------------|
| dim (mm) | Ref: HSEX125 | HSEX150 |
| L | 50 | 50 |
| W | 135 | 160 |



INTERNAL

| | | |
|----------|---------------------|----------------|
| dim (mm) | Ref: HSIN100 | HSIN113 |
| L | 45 | 45 |
| W | 102 | 113.5 |

| | | |
|----------|---------------------|----------------|
| dim (mm) | Ref: HSIN125 | HSIN150 |
| L | 45 | 45 |
| W | 127 | 152 |



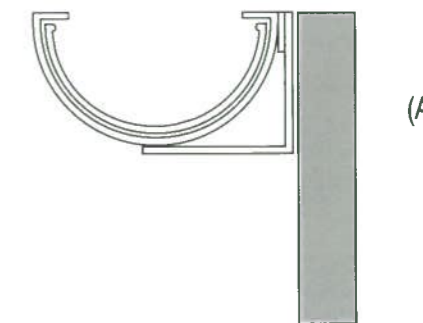
All dimensions can be adjusted to suit specific requirements.

| | | |
|----------------------------------|-------------------|----------------|
| DIMENSIONAL ABBREVIATIONS | | |
| W = Width | C = Centres | Ø = Angle |
| D = Depth | H = Height | T = Thickness |
| L = Length | A = Adjustability | P = Projection |

150mm gutter is a pressing and does not therefore have the thickened edge feature.

FIXING WITH FASCIA BRACKETS (A)

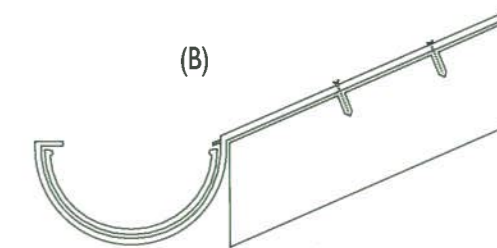
Position the outlets to line up with drain location. Fix fascia brackets within 300mm either side of the outlets. Fix additional brackets within 150mm of angles and stopends. Set a line between these brackets, all remaining brackets should then be fixed at maximum 1,000mm centres. Brackets should be secured to fascia board with No. 10 x 30mm zinc plated or stainless steel countersunk twin threaded screws. The gutter is a 'Snap' fit under the wind restraints.



FIXING TO RAFTERS (B)

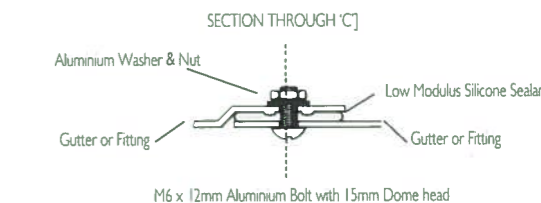
Position outlets as above. Bracket locations, will be dictated by the rafter positions. For this reason it will be necessary to reduce the fixing centres to 600mm maximum. In practice this will usually mean that every rafter will have a bracket. When using side fixing rafter brackets, it will be necessary to notch each rafter.

Rafter brackets should be secured using No. 12 x 40mm, zinc plated or stainless steel countersunk twin threaded screws.



SEALING THE JOINTS (C)

Ensure inside surface of gutter and outside surface of jointing union are clean and dry by rubbing with a soft clean cloth and a little acetone. Apply a generous bead of low modulus silicone sealant (3mm) to the full width of the joint. Press union onto sealant until it locates under the return lips of the gutter. Secure with the M6 x 20mm aluminium mushroom head bolts, nuts and washers provided. Remove any excess sealant with the cloth and acetone. After assembly it is advisable to smear a little sealant around the thread of the joint.



PURPOSE MADE COMPONENTS – PLEASE ENQUIRE.

