

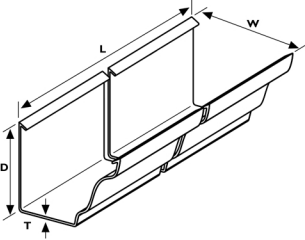


The Guttermaster Moulded No. 46 gutter is taken from the traditional cast iron No. 46 pattern to provide a strong, long lasting, yet lightweight and competitive gutter to give a decorative eaves detail on a wide range of applications. It can be used as a direct replacement for cast iron on refurbishment or on new build. Thick gauge extrusion, using a high strength alloy, 6063 T6, allows us to produce a much straighter gutter than other methods of manufacture (1.5mm/metre for extrusion compared with 3.5mm/metre for casting).

Standard Gutter Length

Use maximum length to minimise joints.

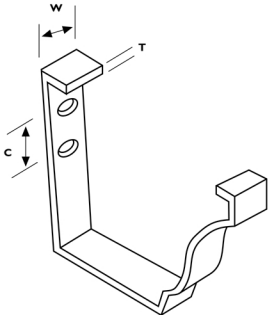
| dim (mm) | Ref: <b>MG/5x4</b> | <b>MG/6x4</b> |
|----------|--------------------|---------------|
| W        | 125                | 150           |
| T        | 2.2                | 2.2           |
| D        | 100                | 100           |
| L        | TO 3000            | TO 3000       |
| dim (mm) | Ref: <b>MG/8x6</b> |               |
| W        | 200                |               |
| T        | 2 to 3             |               |
| D        | 152                |               |
| L        | TO 3000            |               |



Fascia Brackets – with wind restraint

Other types of brackets available – please enquire.

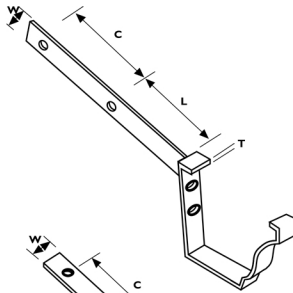
| dim (mm) | Ref: <b>MFB/5x4</b> | <b>MFB/6x4</b> |
|----------|---------------------|----------------|
| C        | 20                  | 20             |
| W        | 30                  | 30             |
| T        | 6                   | 6              |
| dim (mm) | Ref: <b>MFB/8x6</b> |                |
| C        | 40                  |                |
| W        | 35                  |                |
| T        | 6                   |                |



Rafter Brackets – with wind restraint

SIDE FIXING (MRS)

| dim (mm) | Ref: <b>MRS/5x4</b> | <b>MRS/6x4</b> |
|----------|---------------------|----------------|
| L        | 100                 | 100            |
| C        | 100                 | 100            |
| W        | 30                  | 30             |
| T        | 6                   | 6              |
| dim (mm) | Ref: <b>MRS/8x6</b> |                |
| L        | 100                 |                |
| C        | 100                 |                |
| W        | 35                  |                |
| T        | 6                   |                |



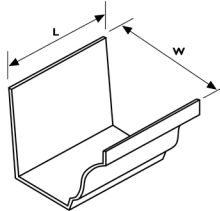
TOP FIXING (MRT)

| dim (mm) | Ref: <b>MRT/5x4</b> | <b>MRT/6x4</b> |
|----------|---------------------|----------------|
| L        | 100                 | 100            |
| C        | 100                 | 100            |
| W        | 30                  | 30             |
| T        | 6                   | 6              |
| dim (mm) | Ref: <b>MRT/8x6</b> |                |
| L        | 100                 |                |
| C        | 100                 |                |
| W        | 35                  |                |
| T        | 6                   |                |

Please specify pitch of rafters/trusses.

Union Joints

| dim (mm) | Ref: <b>MUJ/5x4</b> | <b>MUJ/6x4</b> |
|----------|---------------------|----------------|
| L        | 98                  | 98             |
| W        | 115                 | 140            |
| dim (mm) | Ref: <b>MUJ/8x6</b> |                |
| L        | 98                  |                |
| W        | 193                 |                |



Rise & Fall Bracket

Due to the possible weight of water/snow that these gutters can carry, it is advisable to consult our Technical Department before considering this type of bracket.

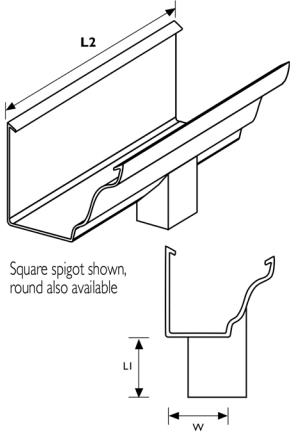
Special Features:

- To prevent leakage, the lip detail at the top of the gutter section enables the joint to lock into place
- The vertical rear face of the gutter reduces unsightly gaps which can be particularly noticeable on polyester coated systems whilst allowing the gutter to be fixed to a fascia without brackets if required
- Exceeds British standard thickness requirements.
- To prevent wind uplift the Guttermaster system incorporates wind restraint lips which lock the gutter into position
- Extra large gutters available up to 400mm wide, 300mm deep

Running Outlets

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

| dim (mm) | Ref: <b>MRO/5x4</b> | <b>MRO/6x4</b> |
|----------|---------------------|----------------|
| W (min)  | 69                  | 81             |
| L1       | 100                 | 100            |
| L2       | 300                 | 300            |
| dim (mm) | Ref: <b>MRO/8x6</b> |                |
| W (min)  | 106                 |                |
| L1       | 100                 |                |
| L2       | 300                 |                |



Angles

Where Ø is 90°

EXTERNAL ANGLE

| dim (mm) | Ref: <b>MEX90/5x4</b> | <b>MEX90/6x4</b> |
|----------|-----------------------|------------------|
| L        | 275                   | 300              |
| dim (mm) | Ref: <b>MEX90/8x6</b> |                  |
| L        | 350                   |                  |

INTERNAL ANGLE

| dim (mm) | Ref: <b>MIN90/5x4</b> | <b>MIN90/6x4</b> |
|----------|-----------------------|------------------|
| L        | 275                   | 300              |
| dim (mm) | Ref: <b>MIN90/8x6</b> |                  |
| L        | 350                   |                  |

Where Ø is 135°

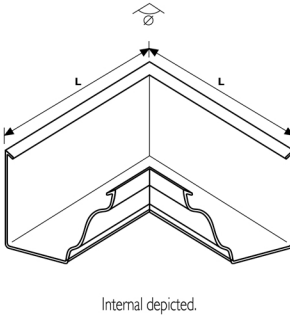
EXTERNAL ANGLE

| dim (mm) | Ref: <b>MEX45/5x4</b> | <b>MEX45/6x4</b> |
|----------|-----------------------|------------------|
| L        | 202                   | 212              |
| dim (mm) | Ref: <b>MEX45/8x6</b> |                  |
| L        | 233                   |                  |

INTERNAL ANGLE

| dim (mm) | Ref: <b>MIN45/5x4</b> | <b>MIN45/6x4</b> |
|----------|-----------------------|------------------|
| L        | 202                   | 212              |
| dim (mm) | Ref: <b>MIN45/8x6</b> |                  |
| L        | 233                   |                  |

Angles are available in standard 90° & 135° (Ø).  
Non-standard angles are also readily available.



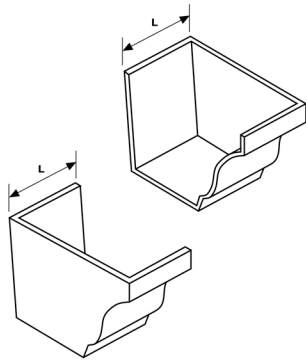
Stop Ends

LEFT HAND

| dim (mm) | Ref: <b>MSLH/5x4</b> | <b>MSLH/6x4</b> |
|----------|----------------------|-----------------|
| L        | 45                   | 45              |
| dim (mm) | Ref: <b>MSLH/8x6</b> |                 |
| L        | 45                   |                 |

RIGHT HAND

| dim (mm) | Ref: <b>MSRH/5x4</b> | <b>MSRH/6x4</b> |
|----------|----------------------|-----------------|
| L        | 45                   | 45              |
| dim (mm) | Ref: <b>MSRH/8x6</b> |                 |
| L        | 45                   |                 |



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 |

N.B. The 200 x 150 Gutter is a pressing, and therefore does not have the lip feature.

DIRECT FIXING THE GUTTER WITHOUT BRACKETS (A)

Position the outlets to line up with drain location. Fix the outlets to the fascia board using the slots provided. Similarly, fix angles and stop ends. Set a line between the outlets and angles or stop ends and fix gutter lengths at maximum 500mm centres, again using the slots provided. Gutters should be secured to fascia board with No. 10 x 25mm zinc plated or stainless steel roundhead twin threaded screws.

FIXING WITH FASCIA BRACKETS (B)

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 (C)

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.

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

SEALING THE JOINTS (D)

- It is essential that prior to sealing both surfaces of the gutter joint are clean and free from oils, grease and debris. Guttermaster recommends the use of Loctite 7063 cleaner and degreaser. The following instructions should be followed:
  - Treat surfaces to be sealed by generously spraying with Loctite 7063 cleaner.
  - Wipe surfaces whilst still wet with a clean lint free cloth to ensure that heavy contamination is removed.
  - Spray surfaces again, preferably with surfaces in a vertical position to allow run-off of the cleaner.
  - Allow the solvent time to evaporate until the surfaces are completely dry.

FURTHER INFORMATION CAN BE FOUND IN INSTRUCTION SHEET REF. IS-MG1, AVAILABLE ON REQUEST

PURPOSE MADE COMPONENTS – PLEASE ENQUIRE.

