



Stirling Gutter Range

DATA SHEET

Description

The Bailey Stirling gutter range comprises five sizes of aluminium box gutter. Box gutters have the highest hydraulic capacity of any gutter type, the largest in the series giving a huge flow of over 17 litres per second. This allows the drainage engineer to reduce the number of downpipe drops with a consequent saving in drainage costs and also may enable the architect to keep an elevation clear of downpipes if required.

The external joint strap system allows for expansion and contraction over the full climatic range of the U.K. without requiring separate expansion joints and also eliminates the unsightly nuts and bolt often associated with joints on this type of gutter.

The entire range is available direct fix, with only the largest size utilizing integral support straps, which are not visible from below. The absence of brackets makes for a neat, attractive eaves line.

All the gutters are produced from a substantial gauge of aluminium and for a long, maintenance free life are supplied as standard with the outside faces polyester powder coated. This gives the architect an almost infinite choice of colours.

Specifying Information

Gutter type:	Bailey Stirling aluminium gutter.
Size:	Select from tables overleaf.
Gauge:	Select from tables overleaf.
Joining:	External joint straps assembled dry with gap for expansion. Joints sealed internally with silicone sealant supplied by the manufacturer.
Fixing:	To be screwed to fascia board of minimum thickness 22mm through pre-punched holes in back of gutter and accessories, with stainless steel screws and nylon washers supplied by the manufacturer.
Accessories:	90° / 135° / Internal / External Corners. Running Outlets to suit downpipe size (see separate datasheet). Stopends.
Finish: (as standard)	Outside faces to be polyester powder coated to colour and gloss level selected from the Bailey range. (Consult Technical Department) Coating to be applied at manufacturer's in-house plant with 30 year guarantee available, subject to location.

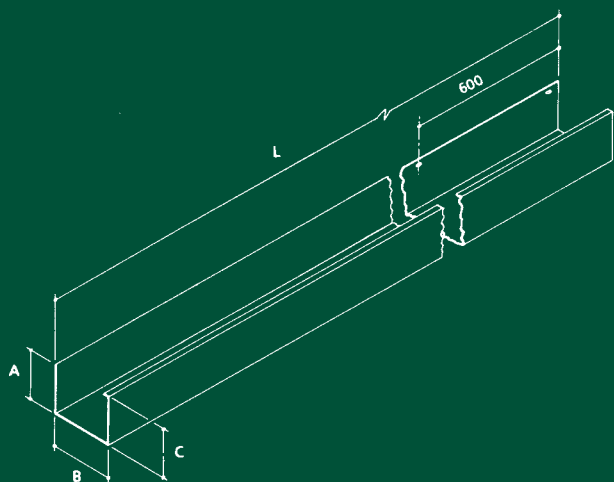
Fixing Instructions

To be installed strictly in accordance with the manufacturer's instruction sheet available on request and sent out with each consignment.

General specifications

Gutter

GUTTER						ACCESSORIES	
SIZE	L	Metal Thickness	A	B	C	D	E
100x75	3000	1.6	87	102	77	177	250
125x100	3000	2.0	104	124	95	200	250
150x100	3000	2.0	112	150	100	225	250
150x150	3000	2.0	155	164	54	240	300
200x200	3000	2.5	200	200	185	275	300

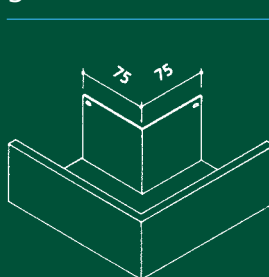


90°
135°

Corners illustrated.

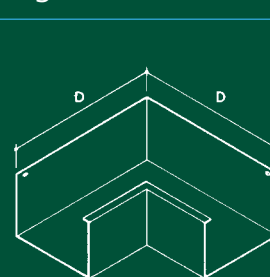
and non standard are also available in external and internal.

90° External Corner

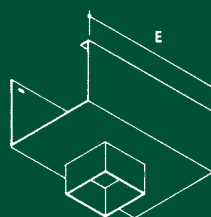


Running outlet

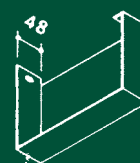
90° Internal Corner



Stop end

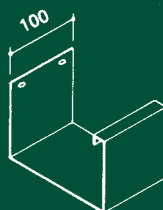


External joint strap



Flow rate chart

Gutter Size	Flow Litres/sec	Outlet Size	Capacity with central outlet	
			Litres/sec.	Roof area
100x75	2.29	76 dia. 72x72	2.7	134
			2.9	143
125x100	4.05	76 dia. 72x72	3.2	156
			3.4	168
		102 dia 102x102	5.5	265
			6.5	312
150x100	5.36	76 dia. 72x72	3.34	160
			3.6	173
		102 dia 102x102	5.8	280
			7.1	341
150x150	10.12	102 dia 102x102	7.3	350
			8.9	430
200x200	17.75	102 dia 102x102	8.4	404
			10.4	500
		150 dia 150x150	10.69	888
			22.5	1080



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