

SnapIT Moulded

Installation Guide



Description:

Formed from extruded aluminium & is supplied with a complete range of accessories ie angles, outlets, stopends, fascia brackets. True & Facetted radius gutters are also available.

Installation:

Vintage O.G. gutters have fascia brackets which are set out at 750mm maximum centres no further than 375mm from a joint ,please allow one extra bracket per fitting. The fascia brackets should be set out to any pre-determined fall taking note of the position of any fittings such as outlets & angles beforehand, brackets should be fixed using 5mm x 25mm stainless steel countersunk screws (dependant on substrate). See Fig 1.

Rafter brackets are also available whose centres may be governed by the roof timbers. Rise & fall brackets driven into the masonry are recommended to be at 600mm maximum centres.

Direct Fixing:

Gutters are pre-drilled on the rear upstand at 750mm centres The gutter should be set out as above.

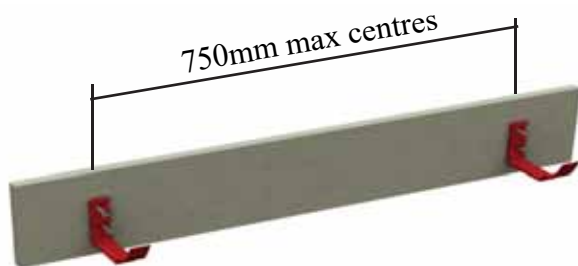


Fig 1.



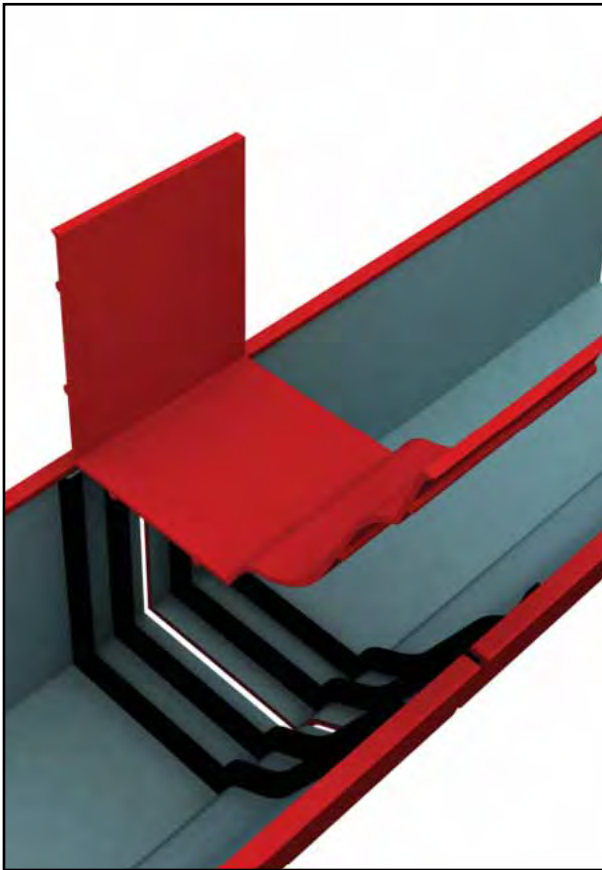


Fig 2.

Jointing:

Aluminium has a coefficient of expansion equal to 0.00002348mm per °C on average, this equates to just over 1.4mm per metre on a temperature range of -20°C to +40°C. Typically a 3mm to 4mm expansion gap between the ends of the gutter sections is advisable.

We recommend & supply Arbosil 1096 Low Modulus Silicone sealant & it is essential that this or a direct equivalent is used to seal the joints as this will ensure a strong mechanical bond that withstands the forces associated with thermal movement.

It is important to observe the sealant manufacturers guidelines concerning application & curing during cold or damp weather conditions & that before assembling the joint all surfaces are clean & free from grease, acetone applied with a soft cloth & wiped dry is recommended.

Vintage O.G. gutters have loose internal union connectors that are snapped into position. Having sited the gutter apply 2 x 6mm beads of Arbosil 1096 Low Modulus Silicone sealant to each side of the joint (Fig 2). Carefully offer the union connector into position, clip the rear of the union into place first followed by the front edge, apply sealant to both sides of joint & tool in. Excess sealant should then be removed. Touch up paint is supplied to touch up all site cut edges.

Composition & Manufacture:

'SnapIT' Moulded gutters are manufactured from Aluminium alloy 6063 T6 to BS1474: 1972 & the product complies to, or exceeds all relevant standards.

Fittings for the gutters are formed using fabrication methods involving cut, mitre & welding techniques using specially made jig & forming tools.

Finish:

Mill Finish Aluminium or Polyester Powder Coated to a range of BS or RAL Colours.

Model Specification:

RCS heavy grade 'SnapIT' Gutters & fittings to BS 2997 (EN612) using 6063 T6 grade extruded aluminium in accordance with BS 1474: 1974. Profile to be

Moulded 100x75 (2mm), 125 x 100 (2mm), 150 x 100 (2.75mm).*

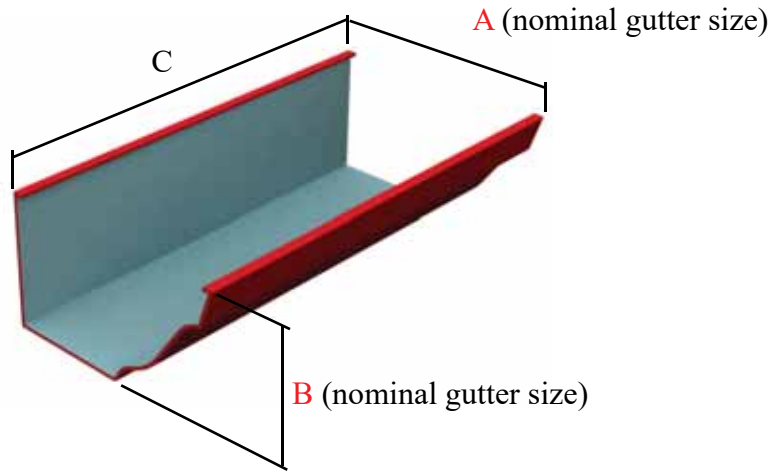
Materials to have factory applied Polyester Powder Coat to all significant surfaces in accordance with BS EN 12206 Matt/Satin/Gloss* finish, or alternatively plain aluminium Mill Finish.

Joints to be loose union connector sealed by application of Arbosil 1096 Low Modulus Silicone Sealant in accordance with the manufacturer's specification & guidelines. Gutter to be fixed by fascia brackets at 750mm centres with supplementary brackets at or near fittings. Fixing for brackets to be 5mm x 25mm countersunk stainless steel screws (dependant on substrate).

* Delete as appropriate

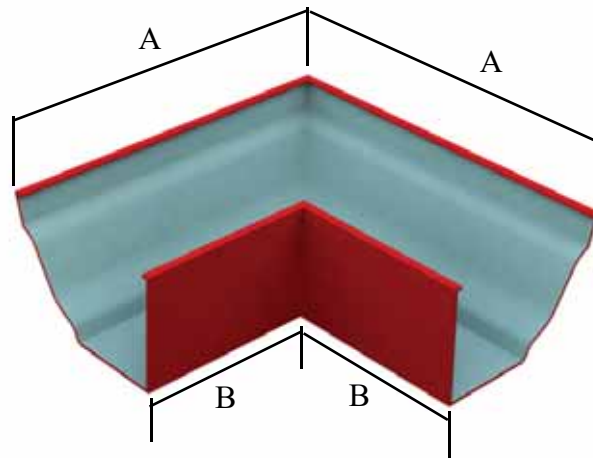


Gutter Lengths



A (mm)	B (mm)	Code C=3.0m	Code C=2.5m	Code C=2.0m	Code C=1.0m	Code C=0.5m
100	75	43VOG3	43VOG2.5	43VOG2	43VOG1	43VOG0.5
125	100	54VOG3	54VOG2.5	54VOG2	54VOG1	54VOG0.5
150	100	64VOG3	64VOG2.5	64VOG2	64VOG1	64VOG0.5

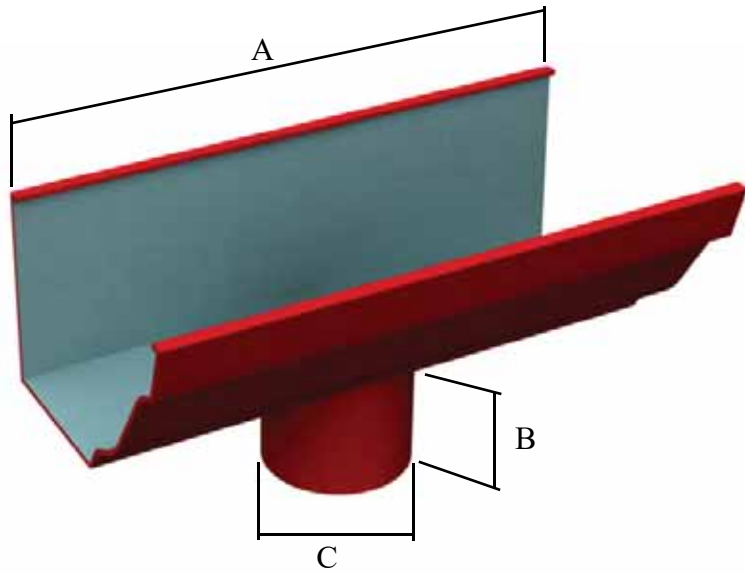
Gutter Angles



Gutter Size (mm)	Code	A (mm)	B (mm)	Code	A (mm)	B (mm)
100x75	43VOAX90	236	150	43VOAI90	150	236
125x100	54VOAX90	271	150	54VOAI90	150	271
150x100	64VOAX90	306	150	64VOAI90	150	306

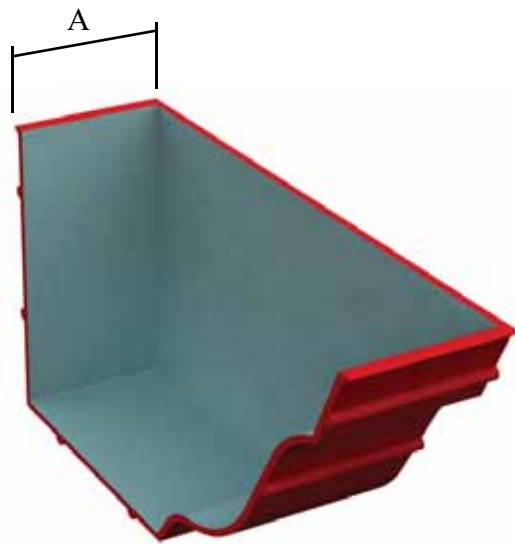
Gutter Size (mm)	Code	A (mm)	B (mm)	Code	A (mm)	B (mm)
100x75	43VOAX135	193	150	43VOAI135	150	193
125x100	54VOAX135	203	150	54VOAI135	150	203
150x100	64VOAX135	213	150	64VOAI135	150	213

Gutter Outlets



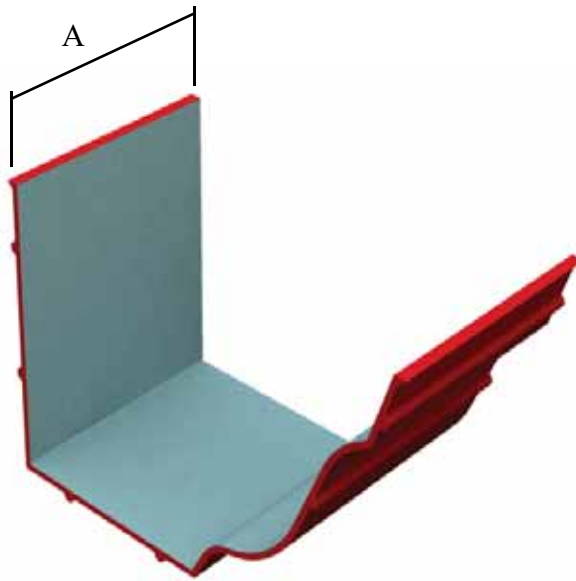
Gutter Size	A	B	Code	Code	Code	Code	Code	Code	Code
(mm)	(mm)	(mm)	C=63mm Ø	C=76mm Ø	C=101mm Ø	C=63mm Sq	C=76mm Sq	C=101x76 mm	C=101mm Sq
100x75	300	60	43VOO2R	43VOO3R	-	43VOO2S	43VOO3S	43VOO43	-
125x100	300	60	54VOO2R	54VOO3R	-	54VOO2S	54VOO3S	54VOO43	-
150x100	300	60	64VOO2R	64VOO3R	64VOO4R	64VOO2S	64VOO3S	64VOO43	64VOO4S

Gutter Stopends



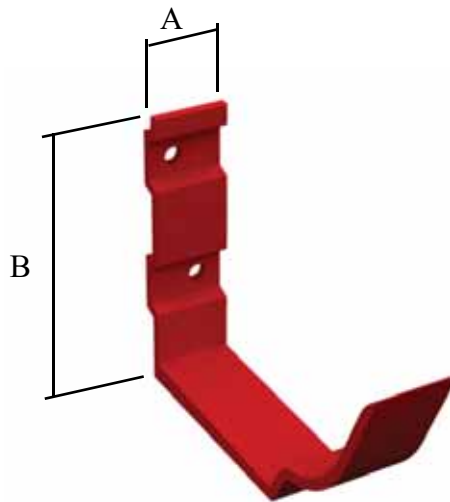
Gutter Size	A	Code	Code
(mm)	(mm)	L/H	R/H
100x75	40	43VOSEL	43VOSER
125x100	40	54VOSEL	54VOSER
150x100	40	64VOSEL	64VOSER

Union Connector



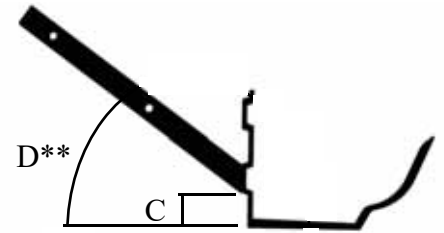
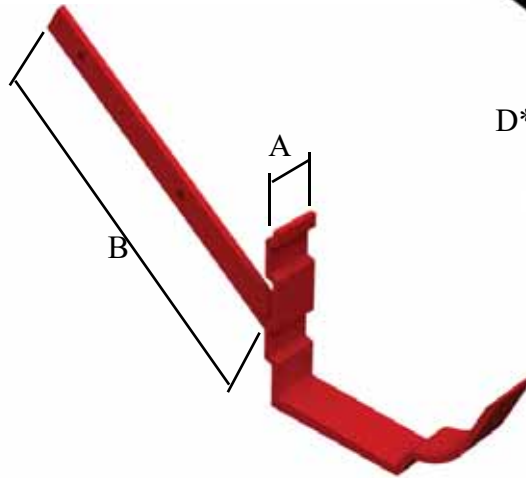
Gutter Size (mm)	A (mm)	Code
100x75	80	43VOUC
125x100	80	54VOUC
150x100	80	64VOUC

Fascia Brackets



Gutter Size (mm)	A (mm)	B (mm)	Code
100x75	30	88	43VOBF
125x100	30	110	54VOBF
150x100	30	110	64VOBF

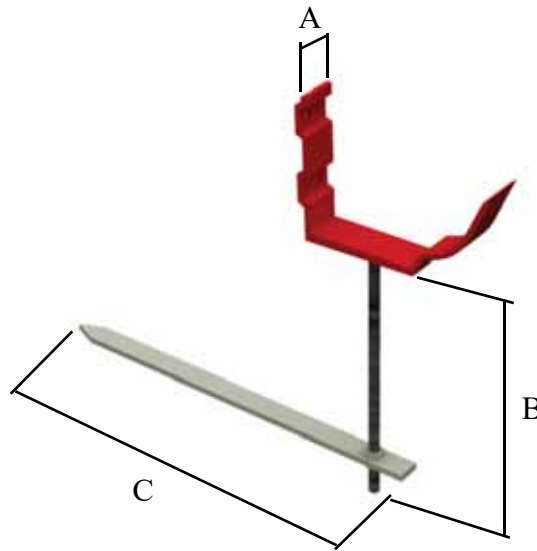
Rafter Bracket



* C, Variable, please specify.
 ** D, roof pitch in degrees, measured from the horizontal.

Gutter Size (mm)	A	B	C*	D	Code	Code
				°	Side Fix	Top Fix
100x75	30	230	25	Specify	43VOBRS	43VOBRT
125x100	30	230	38	Specify	54VOBRS	54VOBRT
150x100	30	230	38	Specify	54VOBRS	64VOBRT

Rise & Fall Bracket



Gutter Size (mm)	A (mm)	B (mm)	C (mm)	Code
100x75	30	200	330	43VOBRFS
125x100	30	200	330	54VOBRFS
150x100	30	200	330	64VOBRFS

Material Safety Data Sheet - Aluminium Extrusions & Sheet Products

Product

Extruded Aluminium sections and/or Aluminium sheet formed to requirements.

Composition

The products consist of aluminium which may (or not) be subsequently coated with polyester powder paints or alternative finishes.

Health Statement

When subject to the normal purposes for which they are designed, these products do not present health risks or hazards.

By their nature these products may have sharp edges and corners and the use of gloves when handling is recommended. When installing overhead it is advisable to wear head protection.

When cutting or welding these products it is advisable to wear eye protection. Avoid ingestion or inhalation of any dust or fumes arising from such operations and use a suitable face mask when necessary.

Metal is a good conductor of electricity and precautions should be taken to ensure contact with live power lines/cables is avoided.

Precautions for Handling & Storage

No special precautions are necessary for normal handling and storage.

Procedures in the event of an emergency

There are no special risks associated and the products do not constitute a fire hazard. The products are not generally ignitable.

Waste Disposal

Waste products are not hazardous and their disposal should be in accordance with local authority regulations.