



The ABC angle bracket has been designed to fix vertical battens directly to the supporting structure without the need for additional battens, it creates a zone for insulation and/or ventilation between the wall and the cladding.

## FEATURES

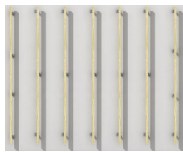


### Material

- Pre-galvanised mild steel.

### Benefits

- Connect vertical battens directly to the supporting structure.
- No need for horizontal battens.
- Creates a zone for insulation or ventilation.
- Reduces installation time, materials and cost.
- Suitable for cavities 50mm to 145mm.



## APPLICATIONS

### Header member

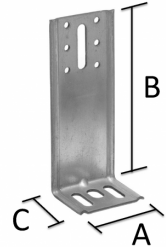
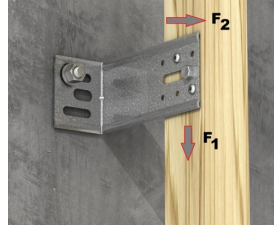
- **Supporting member:** concrete, masonry, etc.
- **Supported member:** solid wood, etc.

### For Use With

- Fastening of battens for exterior cladding.

TECHNICAL DATA

Dimensions and characteristic values



References	Dimensions [mm]				Holes [mm]				Characteristic Values Per Bracket [kN]		
	A	B	C	Ep	Flange B		Flange C		Vertical   (F <sub>1</sub> )		Horizontal  (F <sub>2</sub> )
					Ø5	oblong Ø8.5x40	Ø5	oblong Ø8.5x30	1mm Slip	3mm Slip	
ABC100/2,5	65	98	53	2.5	6	1	2	2	0.22	0.36	1.56
ABC120/2,5	65	118	53	2.5	6	1	2	2	0.22	0.36	1.56
ABC140/2,5	65	138	53	2.5	6	1	2	2	0.18	0.31	1.56
ABC160/2,5	65	158	53	2.5	6	1	2	2	0.18	0.31	1.56

## INSTALLATION

### Fixing

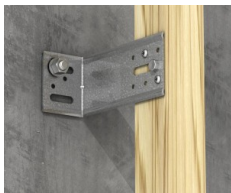
Drill holes: Number and diameter, see table of dimensions.

- **Wood rafters** : 1 LAG lag screw dia. 8-50 + 2 CSA screws anti-rotation dia. 5 x 35 or dia. 5 x 40 mm.
- **Concrete substrate** : mechanical anchor: HIPC 8-140/100 or WA-M8 65/5 anchor.
- **Hollow masonry substrate** : chemical anchor: AT-HP or POLY-GP resin + LMAS M8-95/20 threaded rod + SH M16-130 screen.

### Installation

In standard sections, the standard installation consists of positioning the vertical rafters with a 60 cm spacing. These rafters are fastened with angle brackets arranged in a staggered manner on either side of the rafter every 1.35 m, i.e., 1.23 angle brackets/m<sup>2</sup>.

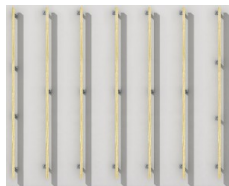
On the edges of the building, the spacing between the angle brackets is reduced (0.90 m) and the angle brackets are all placed on the same side on the end rafter (see diagrams). The rafter is fastened onto the angle bracket by a lag screw dia. 8 mm (placed in the obround hole dia. 8 x 40 mm centre) and by 2 additional screws dia. 5 mm to ensure the "anti-rotation" of the rafter. The angle bracket is fastened onto the concrete supporting member with an anchor dia. 8 mm placed in the top most obround hole dia. 8.5 x 30 mm.



Connect timber battens.



Cladding installation



ABC



Top view

## TECHNICAL NOTES