



The EBC (previously 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

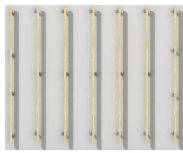


Material

- 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

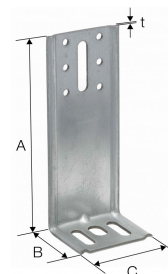
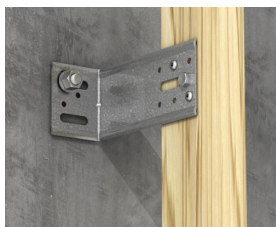
- **Supporting member:** concrete, masonry, etc.
- **Supported member:** solid wood, etc.

For Use With

- Fastening of battens for exterior cladding.

TECHNICAL DATA

Product dimensions



References	Product dimensions [mm]				Holes flange A		Holes flange B	
	A	B	C	t	Ø5	Ø8,5x40	Ø8,5x30	Ø11,5x20
EBC100/2.5	98	53	64	2.5	6	1	2	1
EBC120/2.5	118	53	64	2.5	6	1	2	1
EBC140/2.5	138	53	64	2.5	6	1	2	1
EBC160/2.5	158	53	64	2.5	6	1	2	1
EBC200/2.5	198	53	64	2.5	6	1	2	1
EBC210/2.5	208	53	64	2.5	6	1	2	1

Product characteristic capacities - Timber to Concrete - 1 angle bracket per connection

References	Product characteristic capacities - Timber to Concrete - 1 angle bracket per connection						
	Fasteners				Characteristic capacities - 1 angle bracket per connection [kN]		
	Flange A		Flange B		R _{1,k}		R _{5,k}
	Qty	Type	Qty	Type	1 mm slip	3 mm slip	
EBC100/2.5	2	CSA Ø5,0x40	1	Ø8	0.22	0.36	1.56
EBC120/2.5	2	CSA Ø5,0x40	1	Ø8	0.22	0.36	1.56
EBC140/2.5	2	CSA Ø5,0x40	1	Ø8	0.18	0.31	1.56
EBC160/2.5	2	CSA Ø5,0x40	1	Ø8	0.18	0.31	1.56
EBC200/2.5	2	CSA Ø5,0x40	1	Ø8	0.07	0.19	1.56
EBC210/2.5	2	CSA Ø5,0x40	1	Ø8	0.07	0.19	1.56

Note - Slip under load measured at extremity of bracket

INSTALLATION

Fixing

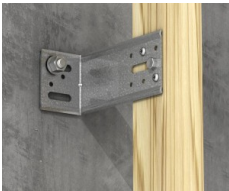
Drill holes: Number and diameter, see table of dimensions.

- **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** : WA-M8 65/5 anchor or mechanical anchor HIPC 8-60/20
- **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/m².

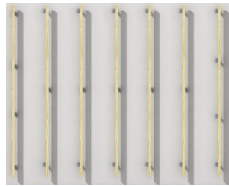
On the edges of the building, the spacing between the angle brackets is reduced (0.90 m) and the angle brackets are all placed on the same side on the end rafter (see diagrams). The rafter is fastened onto the angle bracket by a lag screw dia. 8 mm (placed in the obround hole dia. 8 x 40 mm centre) and 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