



Reinforced angle brackets are suitable for structural applications in framing and wood-frame houses.



[UK-DoP-e06/0106](#), [ETA-06/0106](#)

## FEATURES

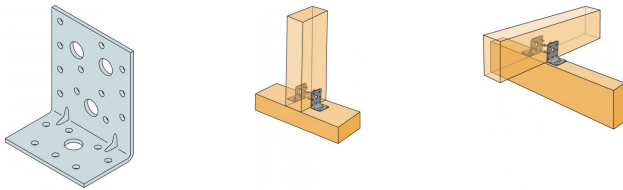


### Material

- Pre-galvanised mild steel.

### Benefits

- Reinforced.
- Multiple applications.



## APPLICATIONS

### Header member

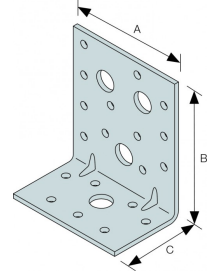
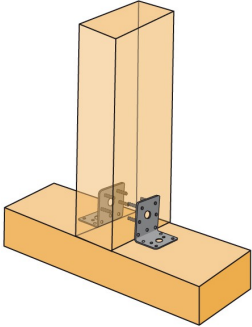
- **Supporting member:** solid wood, glued-laminated wood, concrete, steel, etc.
- **Supported member:** solid wood, composite lumber, glued-laminated wood, triangular trusses, profiles, etc.

### For Use With

- Fastening of small trusses.
- Cladding plates, cladding uprights.
- Rafter anchors, cantilevers, headers, etc.

TECHNICAL DATA

Dimensions



References	Dimensions [mm]				Holes Leg B		Holes Leg C	
	A	B	C	Thickness	Screws or Nails	Bolts	Screws or Nails	Bolts
EB/7070	55	70	70	2	6 Ø 5	1 Ø8.5	6 Ø 5	1 Ø 8.5

Wood/wood connection beam/beam type - assembly with 2 angle brackets

References	Fasteners		Characteristic Capacities [kN]			
	Leg B	Leg C	Tension [F1]		Shear [F2 = F3]	
			CNA4.0x35	CNA4.0x50	CNA4.0x35	CNA4.0x50
EB/7070	4	6	4.4	7.1	4.4	6.8

## INSTALLATION

### Fixing

**Drill holes:** Number and diameter, see the dimensions table.

#### On wood:

- CNA annular ring-shank nails dia. 4.0 x 35 or dia. 4.0 x 50 mm.
- CSA screws dia. 5.0 x 35 mm or CSA screws dia. 5.0 x 40 mm.
- Bolts.
- LAG screws.

#### On concrete:

##### Concrete substrate

- Mechanical anchor: WA M10-78/5 OR WA M12-104/5 pin.
- Chemical anchor: AT-HP resin + LMAS M10-120/25 or LMAS M12-150/35 threaded rod.

##### Hollow masonry substrate:

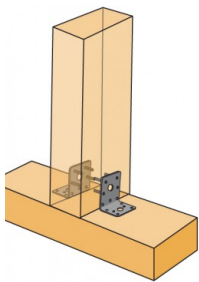
- Chemical anchor: AT-HP or POLY-GP resin + LMAS M12-150/35 threaded rod + SH M16-130 screen.

#### On steel:

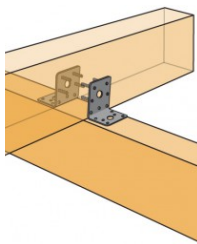
- Bolts.

### Installation

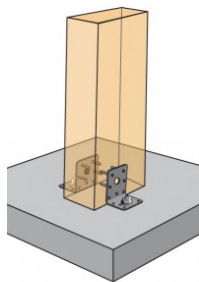
1. Approcher l'élément à fixer du support,
1. Pointer l'élément. Celui-ci peut aussi être vissé à l'aide de vis adaptées,
2. Si le support est en bois, l'équerre est aussi pointée ou vissée sur celui-ci,
2. Si le support est en béton, fixer l'équerre en respectant les préconisations de pose de l'ancrage choisi.



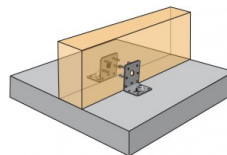
Post connection



Beam connection



Post connection



Beam connection

## TECHNICAL NOTES

### Technical Notes

#### F1: tensile force in the central axis of the angle-bracket

Particular situation of a fastening with only one angle-bracket:

- If the overall structure prevents the rotation of the purlin or the post, the tensile strength is equal to half of the given value for two angle-brackets.
- Otherwise, the connection resistance depends on the « f » distance between the vertical contact surface and the point of load application.

**F2 and F3: shear lateral force**

Particular situation of a connection with only one angle-bracket:

- The resistance value to consider is equal to half of the one given for two angle-brackets.

**F4 and F5: transversal force directed towards or opposite the angle-bracket**

- The connection resistance depends on the « e » distance between the base of the angle-bracket and the point of load application.
- To consult corresponding loads, contact us.

Only F1, F2 and F3 forces for connections with 2 angle-brackets are present on this sheet.  
For more information, contact us.