

EBCN

## Vinkelbeslag till lättväggskonstruktion

EBC vinkelbeslag är designade för att uppfylla de generella regler som finns för konstruktion och installation av utvändig värmeisolering och fasadbeklädnad. EBCN följer CSTB specifikationerna 3194, 3316, 3422 och ETAG034 och är en del av ITE-serien utvecklad av Simpson Strong-Tie®.

## Egenskaper

### Material

**Varmförzinkad stål. Stålkvalitet: S250GD.**  
**Zinklagertjocklek = 20 µm**

### Benefits

- Connect vertical timber batten of steel profile directly to the supporting structure.
- Creates a zone for insulation or ventilation.
- Reduces installation time, materials and cost.
- Coating (Z450) suitable for external use protected from direct rain, in ventilated environment with dist.>200m from coast
- Oblong hole to adjust alignment on the support.
- Oblong hole to adjust the plumb line of the batten/profile,

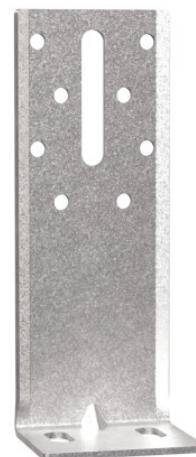
## Användning

### Header member

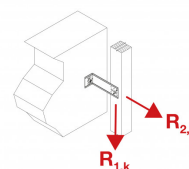
- **Supporting member:** concrete, masonry, etc.
- **Supported member:** solid wood, etc.

### For Use With

- Fastening of timber battens or steel profile, to support exterior cladding (ETICS).



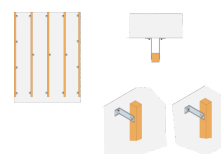
Disposition des équerres



Mise en place d'un pare-pluie



Fixation chevrons bois par équerre EBCN et aboutage des chevrons par plaques perforées NP

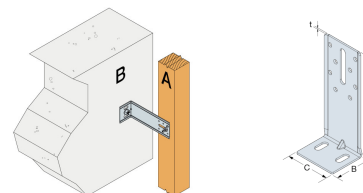


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## Teknisk data

Product dimensions

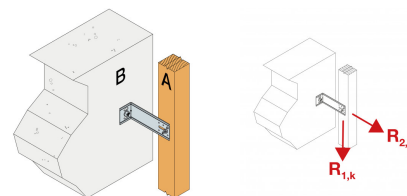


| Art. nr.    | DB nr.  | Product dimensions [mm] |    |    |     | Holes flange A |                  | Holes flange B | Vikt [kg] |
|-------------|---------|-------------------------|----|----|-----|----------------|------------------|----------------|-----------|
|             |         | A                       | B  | C  | t   | Ø6             | Dim. avlångå hål | Ø9.0x20 [mm]   |           |
| EBCN100/2.5 | 2408465 | 100                     | 50 | 60 | 2.5 | 8              | 9.0x51           | 2              | 0.19      |
| EBCN110/2.5 | 2408467 | 110                     | 50 | 60 | 2.5 | 8              | 9.0x51           | 2              | 0.2       |
| EBCN120/2.5 | 2408469 | 120                     | 50 | 60 | 2.5 | 8              | 9.0x51           | 2              | 0.22      |
| EBCN130/2.5 | 2408470 | 130                     | 50 | 60 | 2.5 | 8              | 9.0x51           | 2              | 0.23      |
| EBCN140/2.5 | 2408471 | 140                     | 50 | 60 | 2.5 | 8              | 9.0x51           | 2              | 0.24      |
| EBCN150/2.5 | 2408472 | 150                     | 50 | 60 | 2.5 | 8              | 9.0x51           | 2              | 0.25      |
| EBCN160/2.5 | 2408473 | 160                     | 50 | 60 | 2.5 | 8              | 9.0x51           | 2              | 0.26      |
| EBCN170/2.5 | 2408475 | 170                     | 50 | 60 | 2.5 | 8              | 9.0x51           | 2              | 0.28      |
| EBCN180/2.5 | 2408476 | 180                     | 50 | 60 | 2.5 | 8              | 9.0x51           | 2              | 0.29      |
| EBCN190/2.5 | 2408477 | 190                     | 50 | 60 | 2.5 | 8              | 9.0x51           | 2              | 0.3       |
| EBCN200/2.5 | 2408478 | 200                     | 50 | 60 | 2.5 | 8              | 9.0x51           | 2              | 0.31      |
| EBCN210/2.5 | 2408479 | 210                     | 50 | 60 | 2.5 | 8              | 9.0x51           | 2              | 0.32      |
| EBCN220/2.5 | 2408480 | 220                     | 50 | 60 | 2.5 | 8              | 9.0x51           | 2              | 0.34      |
| EBCN230/2.5 | 2408481 | 230                     | 50 | 60 | 2.5 | 8              | 9.0x51           | 2              | 0.35      |
| EBCN240/2.5 | 2408483 | 240                     | 50 | 60 | 2.5 | 8              | 9.0x51           | 2              | 0.36      |
| EBCN250/2.5 | 2408484 | 250                     | 50 | 60 | 2.5 | 8              | 9.0x51           | 2              | 0.37      |

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



| Art. nr.    | Product characteristic capacities - Timber to Concrete - 1 angle bracket per connection |               |     |               |          |                                                                 |                       |           |                       |
|-------------|-----------------------------------------------------------------------------------------|---------------|-----|---------------|----------|-----------------------------------------------------------------|-----------------------|-----------|-----------------------|
|             | Fasteners                                                                               |               |     |               |          | Characteristic capacities - 1 angle bracket per connection [kN] |                       |           |                       |
|             | Flange A [kN]                                                                           |               |     |               | Flange B |                                                                 | R <sub>1,k</sub> [kN] |           | R <sub>2,k</sub> [kN] |
|             | Qty                                                                                     | Type          | Qty | Type          | Qty      | Type                                                            | 1 mm slip             | 3 mm slip |                       |
| EBCN100/2.5 | 1                                                                                       | Screw Ø8.0x40 | 2   | Screw Ø5.0x40 | 1        | Ø8                                                              | 0.75                  | 0.75      | 2.3                   |
| EBCN110/2.5 | 1                                                                                       | Screw Ø8.0x40 | 2   | Screw Ø5.0x40 | 1        | Ø8                                                              | 0.65                  | 0.72      | 2.3                   |
| EBCN120/2.5 | 1                                                                                       | Screw Ø8.0x40 | 2   | Screw Ø5.0x40 | 1        | Ø8                                                              | 0.54                  | 0.69      | 2.3                   |
| EBCN130/2.5 | 1                                                                                       | Screw Ø8.0x40 | 2   | Screw Ø5.0x40 | 1        | Ø8                                                              | 0.47                  | 0.67      | 2.3                   |
| EBCN140/2.5 | 1                                                                                       | Screw Ø8.0x40 | 2   | Screw Ø5.0x40 | 1        | Ø8                                                              | 0.44                  | 0.63      | 2.3                   |
| EBCN150/2.5 | 1                                                                                       | Screw Ø8.0x40 | 2   | Screw Ø5.0x40 | 1        | Ø8                                                              | 0.38                  | 0.58      | 2.3                   |
| EBCN160/2.5 | 1                                                                                       | Screw Ø8.0x40 | 2   | Screw Ø5.0x40 | 1        | Ø8                                                              | 0.35                  | 0.55      | 2.3                   |
| EBCN170/2.5 | 1                                                                                       | Screw Ø8.0x40 | 2   | Screw Ø5.0x40 | 1        | Ø8                                                              | 0.3                   | 0.51      | 2.3                   |
| EBCN180/2.5 | 1                                                                                       | Screw Ø8.0x40 | 2   | Screw Ø5.0x40 | 1        | Ø8                                                              | 0.26                  | 0.48      | 2.3                   |
| EBCN190/2.5 | 1                                                                                       | Screw Ø8.0x40 | 2   | Screw Ø5.0x40 | 1        | Ø8                                                              | 0.24                  | 0.46      | 2.3                   |
| EBCN200/2.5 | 1                                                                                       | Screw Ø8.0x40 | 2   | Screw Ø5.0x40 | 1        | Ø8                                                              | 0.2                   | 0.42      | 2.3                   |
| EBCN210/2.5 | 1                                                                                       | Screw Ø8.0x40 | 2   | Screw Ø5.0x40 | 1        | Ø8                                                              | 0.19                  | 0.41      | 2.3                   |
| EBCN220/2.5 | 1                                                                                       | Screw Ø8.0x40 | 2   | Screw Ø5.0x40 | 1        | Ø8                                                              | 0.17                  | 0.38      | 2.3                   |
| EBCN230/2.5 | 1                                                                                       | Screw Ø8.0x40 | 2   | Screw Ø5.0x40 | 1        | Ø8                                                              | 0.15                  | 0.36      | 2.3                   |
| EBCN240/2.5 | 1                                                                                       | Screw Ø8.0x40 | 2   | Screw Ø5.0x40 | 1        | Ø8                                                              | 0.14                  | 0.33      | 2.3                   |
| EBCN250/2.5 | 1                                                                                       | Screw Ø8.0x40 | 2   | Screw Ø5.0x40 | 1        | Ø8                                                              | 0.13                  | 0.31      | 2.3                   |

Note - Slip under load measured at extremity of bracket

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## Montering

### Fixing

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

• **Wood rafters :**

- 1 LAG lag screw dia. 8-50 + 2 screws anti-rotation 5 x 40 mm. (it can be either TTUFS, TTZNFS or SSH screws)
- 1 SSH Ø 8 x 40 mm + 2 screws anti-rotation Ø 5 x 40 mm.(it can be either TTUFS, TTZNFS or SSH screws)

• **Concrete substrate :** FM 753 EVO M8-68/5 anchor or FM-X5 8-80/10 nylon plug

• **Hollow masonry substrate :** FM-X5 8-80/10 nylon plug or *chemical anchor*: AT-HP or POLY-GP resin + LMAS M8-95/20 threaded rod + SH M16-130 screen.

### Installation

1. Draw the position of brackets, in a staggered manner on either side of the position of the batten/profile. Min 3 bracket per batten/profile. For batten/profile under 80cm: min 2 brackets. The spacing of brackets depends on bracket and anchor capacity, with a maximum of 1m when using "L" profiles or under seismic specifications, and with a maximum of 1.35m otherwise. When brackets cannot be set in a staggered manner, then the maximum spacing is 0.8m. The overhang of batten/profile shall not exceed 0.25m.
2. Secure the bracket onto the support with the appropriate anchor, placed through the top oblong hole.
3. Set the insulation layer
4. Secure the batten/profile with one Ø8mm screw in the oblong hole, adjust the verticality of the batten/profile, then set 2 additionnal Ø5mm screw to block the position.
5. install the cladding/facade with the appropriate fastener.



Fastgørelse af trælægte på stål



Mise en place d'un pare-pluie



Disposition des équerres



Vue de dessus

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