**Technical Sheet**

ETB
**Concealed Beam Hanger**

The ETB concealed connector comes in two parts. The first is fixed to the header timber with nails provided, while the second part is fitted to the end of the beam with screws.
No slots or dowel holes are necessary, speeding up installation.
Note: fixings are included




## Features

### Material

- Joist plate: 10mm aluminium.
- Header plate: 6mm aluminium.

### Benefits

- Concealed connection.
- Multiple applications.

## Applications

### Header member

**Glulam joist and headers.**

### For Use With

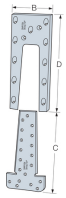
**Wood to wood connections only.**

**Technical Sheet**

ETB
**Concealed Beam Hanger**

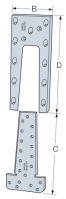
# Technical Data

## Product Dimensions



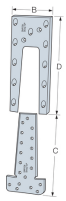
| Reference | Connector Dimensions | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Other | | Timber size[mm] | | | Product Dimensions[mm] | | | | | | Header holes[mm] | Joist holes[mm] |
| | Qty per Box | Weight[kg] | Width | Height[mm] | | A[mm] | B[mm] | C[mm] | D[mm] | t1[mm] | t2[mm] | Round | Round |
| | | | Min[mm] | Min[mm] | Max. [mm] | | | | | | | Ø5 | Ø5.4 |
| ETB90-B | 25.0 | 0.1 | 70 | 115 | 150 | 90 | 60 | 58 | 69 | 6 | 10 | 6 | 4 |
| ETB120-B | 25.0 | 0.14 | 70 | 150 | 200 | 121 | 60 | 85 | 95 | 6 | 10 | 9 | 6 |
| ETB190-B | 25.0 | 0.27 | 90 | 220 | 300 | 195 | 75 | 138 | 165 | 6 | 10 | 19 | 11 |
| ETB230-B | 25.0 | 0.34 | 90 | 255 | 350 | 230 | 75 | 138 | 200 | 6 | 10 | 19 | 14 |

## Wood/wood fastening- Characteristic values in kn



| Reference | Hanger capacity | | | | |
|---|---|---|---|---|---|
| | Wood/wood fastening- Characteristic values in kn | | | | |
| | Number of Fasteners | | | Characteristic capacities - Timber C24[kN] | |
| | Header | | Joist | $R_{1,k}$ | |
| | Qty | Type | Qty | CSFT5,0x70 | |
| ETB90-B | 6.0 | CNA4,0x40 | 4 | 11.1 | |
| ETB120-B | 9.0 | CNA4,0x40 | 6 | 16.7 | |
| ETB190-B | 19.0 | CNA4,0x40 | 11 | 29.7 | |
| ETB230-B | 19.0 | CNA4,0x40 | 14 | 35.2 | |

## Product characteristic capacities - Timber beam to timber post



| Reference | Hanger capacity | | | |
|---|---|---|---|---|
| | Product Characteristic Capacities - Timber Beam to Timber Post | | | |
| | Number of Fasteners | | | Product characteristic capacities - Timber C24[kN] |
| | Header | | Joist | $R_{1,k}$ |
| | Qty | Type | Qty | CSFT5,0x70 |
| ETB90-B | 6.0 | CNA4,0x40 | 4 | 11.1 |
| ETB120-B | 9.0 | CNA4,0x40 | 6 | 16.7 |
| ETB190-B | 12.0 | CNA4,0x40 | 9 | 22.2 |
| ETB230-B | 12.0 | CNA4,0x40 | 10 | 22.2 |

ETB
**Concealed Beam Hanger**

# Installation

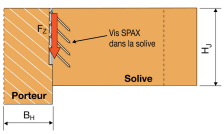
## Fasteners

**To achieve stated loads, nails and screws used must comply with the ETA-04/0013.**

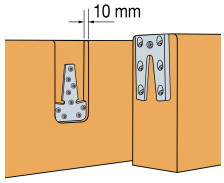
## Installation

**Installation of ETB is simplified by the use of a jig.**
**The pocket installation can be routed by using a Ø16 mm cutter with Ø30 mm washer.**

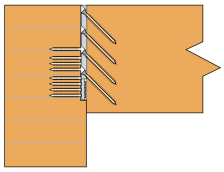
**CAUTION: ETB bracket should not be used for an assembly with a negative slope**



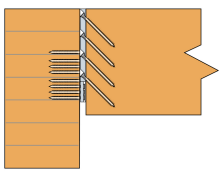

*insalled cross section.*



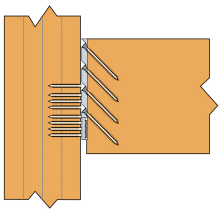

*Countersunk within the supported member.*



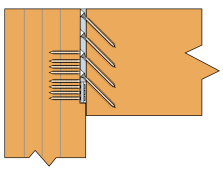
*Face fix installation.*



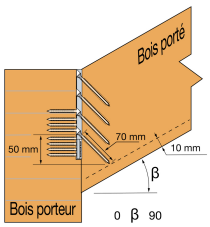
*Face fix installation.*



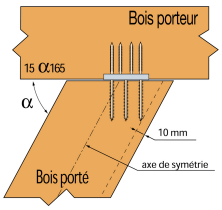
*Face fix installation.*



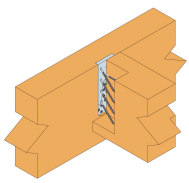
*Face fix installation.*

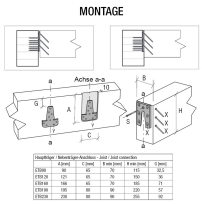



*Positive slope installation.*




*Skewed installation.*





# Technical Sheet

ETB
**Concealed Beam Hanger**

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