

## ETB Concealed Beam Hanger

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

### Features

#### Material

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

#### Benefits

- Concealed connection.
- Multiple applications.

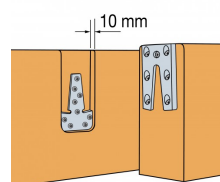
### Applications

#### Header member

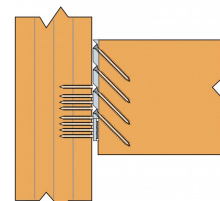
**Glulam joist and headers.**

#### For Use With

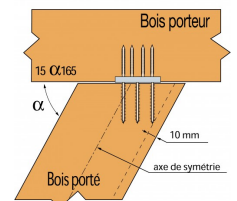
**Wood to wood connections only.**



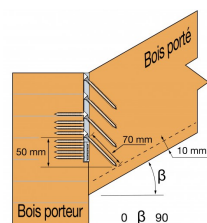
Countersunk within the supported member.



Face fix installation.



Skewed installation.

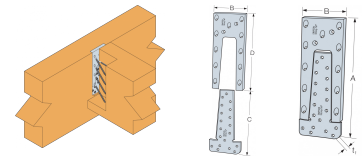


Positive slope installation.

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Concealed Beam Hanger

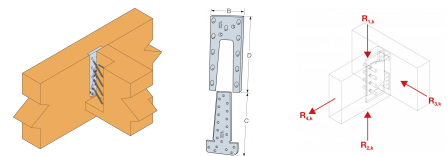
## Technical Data

### Product Dimensions



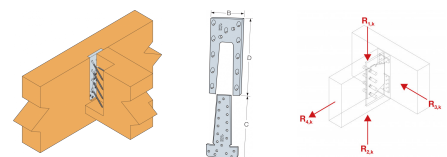
References	Joist Size [mm]			Product Dimensions [mm]						Header holes	Joist holes
	Width	Height		A	B	C	D	t <sub>1</sub>	t <sub>2</sub>	Ø5	Ø5.4
	Min	Min	Max.								
ETB90-B	70	115	150	90	60	58	69	6	10	6	4
ETB120-B	70	150	200	121	60	85	95	6	10	9	6
ETB160-B	70	185	250	166	60	95	130	6	10	11	8
ETB190-B	90	220	300	195	75	138	165	6	10	19	11
ETB230-B	90	255	350	230	75	138	200	6	10	19	14

### Wood/wood fastening- Characteristic values in kn



References	Wood/wood fastening- Characteristic values in kn			
	Number of Fasteners			Characteristic Capacities - Timber C24 [kN]
	Header		Joist	
	Qty	Type	Qty	R <sub>1,k</sub> FTETL5,0x80
ETB90-B	6	CNA4,0x40	4	9.6
ETB120-B	9	CNA4,0x40	6	13.8
ETB160-B	11	CNA4,0x40	8	17.8
ETB190-B	19	CNA4,0x40	11	23.8
ETB230-B	19	CNA4,0x40	14	29.5

### Product characteristic capacities - Timber beam to timber post



References	Product characteristic capacities - Timber beam to timber post			
	Number of Fasteners			Product characteristic capacities - Timber C24 [kN]
	Header		Joist	
	Qty	Type	Qty	R <sub>1,k</sub> FTETL5,0x80
ETB90-B	6	CNA4,0x40	4	9.6
ETB120-B	9	CNA4,0x40	6	13.8
ETB160-B	11	CNA4,0x40	8	17.8
ETB190-B	12	CNA4,0x40	9	19.8
ETB230-B	12	CNA4,0x40	10	21.8

## ETB Concealed Beam Hanger

### Installation

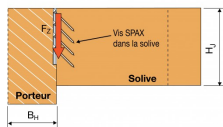
#### Fasteners

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

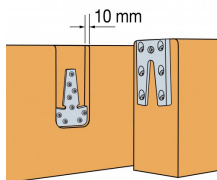
#### Installation

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.

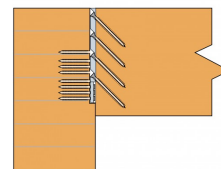
**CAUTION: ETB bracket should not be used for an assembly with a negative slope**



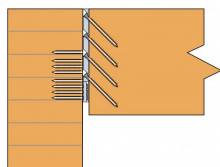
installed cross section.



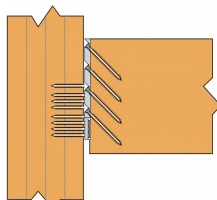
Countersunk within the supported member.



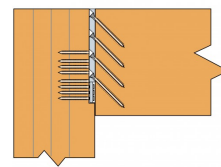
Face fix installation.



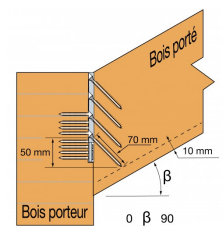
Face fix installation.



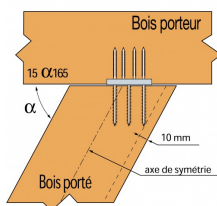
Face fix installation.



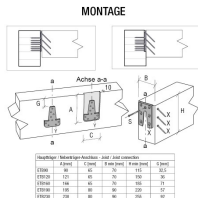
Face fix installation.



Positive slope installation.



Skewed installation.



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