



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.



[UK-DoP-e07/0245](#), [ETA-07/0245](#)

## FEATURES

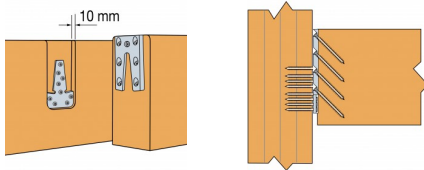


## Material

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

## Benefits

- Concealed connection.
- Multiple applications.



## APPLICATIONS

### Header member

Glulam joist and headers.

### For Use With

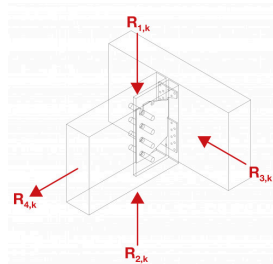
Wood to wood connections only.

TECHNICAL 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	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

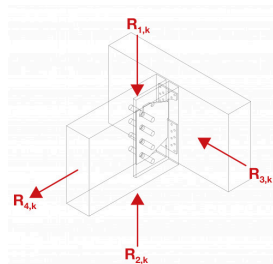
Wood/wood fastening- Characteristic values in kn



References	Number of Fasteners				Characteristic Capacities - Timber C24 [kN]
	Header		Joist		R <sub>1,k</sub>
	Qty	Type	Qty	Type	CNA4,0x50
ETB90-B	6	CNA*	4	Screws 5,0x80*	9.6
ETB120-B	9	CNA*	6	Screws 5,0x80*	13.8
ETB160-B	11	CNA*	8	Screws 5,0x80*	17.8
ETB190-B	19	CNA*	11	Screws 5,0x80*	23.8
ETB230-B	19	CNA*	14	Screws 5,0x80*	29.5

CNA\* Refer to Characteristic Capacity table column for type of nail that can be used on header.  
5.0x80 relates to SCRB5.0x80 screws or 5.0x80 screws

Product characteristic capacities - Timber beam to timber post



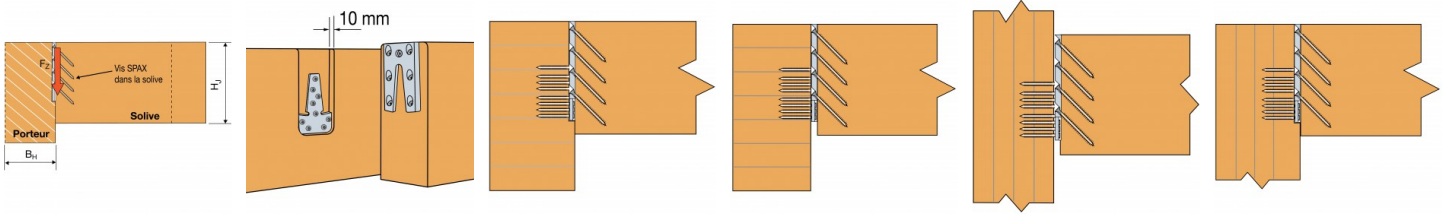
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	Qty	Type	Qty	Type	
ETB90-B	6	CNA4,0X50	4	Screws 5,0x80*	9.6
ETB120-B	9	CNA4,0X50	6	Screws 5,0x80*	13.8
ETB160-B	11	CNA4,0X50	8	Screws 5,0x80*	17.8
ETB190-B	12	CNA4,0X50	9	Screws 5,0x80*	19.8
ETB230-B	12	CNA4,0X50	10	Screws 5,0x80*	21.8

\* 5.0x80 relates to SCRB5.0x80 screws or 5.0x80 screws

**INSTALLATION**

**Fasteners**

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



installed cross section.

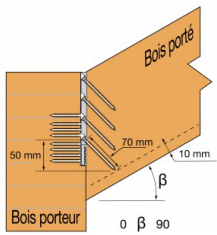
Countersunk within the supported member.

Face fix installation.

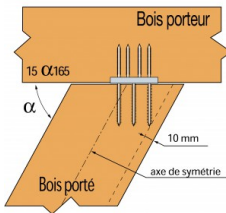
Face fix installation.

Face fix installation.

Face fix installation.



Positive slope installation.



Skewed installation.

**MONTAGE**

