



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

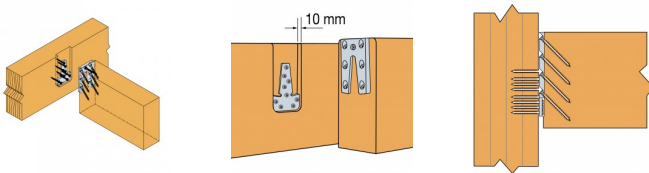


## Material

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

## Benefits

- Concealed connection.
- Multiple applications.



## APPLICATIONS

### Header member

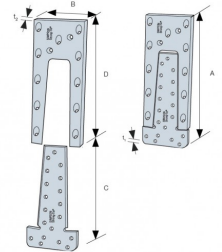
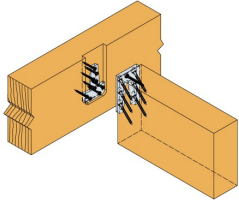
Glulam joist and headers.

### 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	Min								
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

Performance Values

References	Characteristic Capacities - Timber C24 [kN]				
	Number of Fasteners				R <sub>1,k</sub>
	Header		Joist		CNA4,0x60
	Qty	Type	Qty	Type	
ETB90-B	6	CNA*	4	Screws 5,0x80*	13
ETB120-B	9	CNA*	6	Screws 5,0x80*	18.7
ETB160-B	11	CNA*	8	Screws 5,0x80*	24.2
ETB190-B	19	CNA*	11	Screws 5,0x80*	32.2
ETB230-B	19	CNA*	14	Screws 5,0x80*	40

5x80 refers to SCRB5.0x80 Screws, or Spax 5.0x80 screws

**INSTALLATION**

**Fasteners**

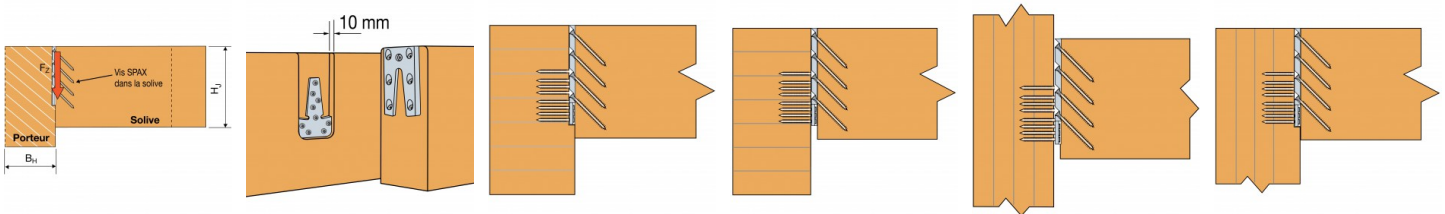
To achieve stated loads, nails and screws used must comply with the ETA-04/0013.

**Installation**

Installation of ETB is simplified by the use of a jig.

The pocket installation can be routed by using a  $\varnothing 16$  mm cutter with  $\varnothing 30$  mm washer.

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



insalled cross section.

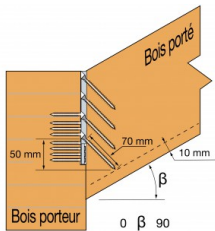
Countersunk within the supported member.

Face fix installation.

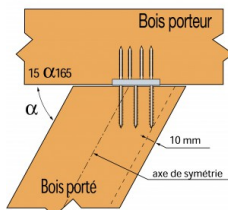
Face fix installation.

Face fix installation.

Face fix installation.



Positive slope installation.



Skewed installation.

