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

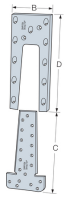
Wood to wood connections only.

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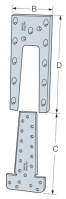
Technical Data

Product Dimensions



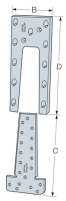
Reference	Connector Dimensions												
	Other		Timber size[mm]			Product Dimensions[mm]						Header holes[mm]	Joist holes[mm]
	Qty per Box	Weight[kg]	Width	Height[mm]		A[mm]	B[mm]	C[mm]	D[mm]	t1[mm]	t2[mm]	Round	Round
			Min[mm]	Min[mm]	Max. [mm]							Ø5	Ø5.4
ETB90-B	25.0	0.1	70	115	150	90	60	58	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

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Concealed Beam Hanger

Installation

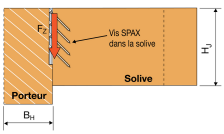
Fasteners

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

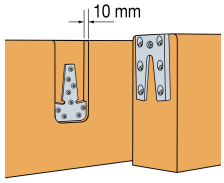
Installation

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.

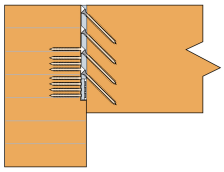
CAUTION: ETB bracket should not be used for an assembly with a negative slope



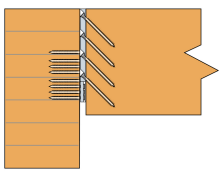
insalled cross section.



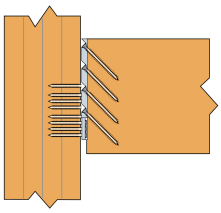
Countersunk within the supported member.



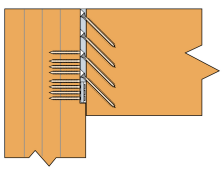
Face fix installation.



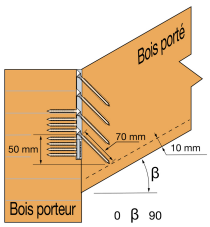
Face fix installation.



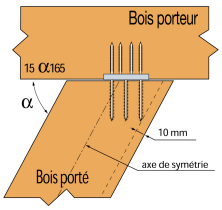
Face fix installation.



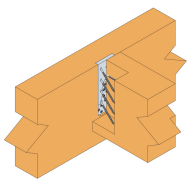
Face fix installation.

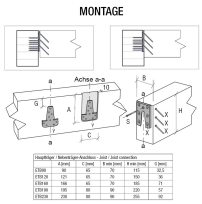


Positive slope installation.



Skewed installation.





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ETB
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