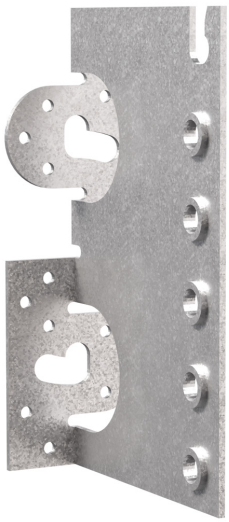
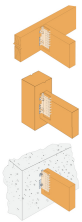
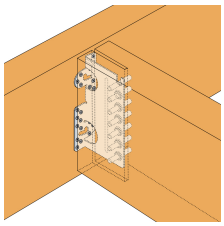
Technical Sheet

CBH
Concealed Beam Hanger

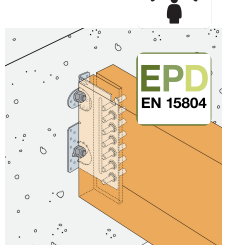
The CBH hanger is a development of the TU range.
It allows for concealed timber to timber connections and can be face fixed or pocketed on to the header timber.







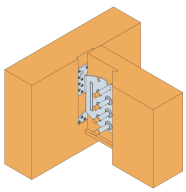
Timber/timber

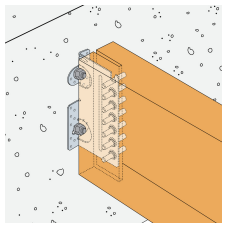


Timber/rigid support

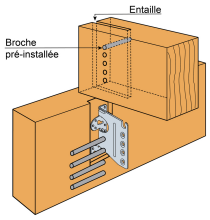


Concealed beam hanger CBH150





Timber/rigid support



Dowels installation

Features

Material

- Galvanized steel S250GD + Z275 according to NF EN 10346

Benefits

- Concealed assembly
- Fastening on wood or concrete
- Optimised installation compliant with Eurocodes

Applications

Suitable On

- **Supporting member:** solid wood, composite lumber, glued-laminated wood
- **Supported member:** solid wood, composite lumber, glued-laminated wood

When to Use

- Joists
- Purlins
- Structural beams

Technical Sheet

CBH
Concealed Beam Hanger

Technical Data



Product Dimensions

Reference	Connector Dimensions												
	Header dimensions[mm]	Timber size[mm]				Product Dimensions[mm]				Header holes[mm]		Joist holes[mm]	Other
	Height	Width	Height[mm]			A[mm]	B[mm]	C[mm]	t[mm]	Round		Round	
	Min[mm]	Min[mm]	Min[mm]	Min β≠0[mm]	Max. [mm]					Ø11	Ø5	Ø10.5	Weight[kg]
CBH150/2.5	192	60	190	219	225	150	113.5	60	2.5	2	14	5	0.38
CBH180/2.5	222	60	220	249	270	180	113.5	60	2.5	2	16	6	0.45
CBH220/2.5	262	60	250	279	330	220	113.5	60	2.5	2	22	7	0.57



Wood/wood fastening- Characteristic values in kn

Reference	Hanger capacity						
	Product Capacities[kN]						
	Product characteristic capacities - Timber C24[kN]						
	$R_{1,k}$ - Declive β=15°	R1,k - Slope β=0°					
	Dowels length[mm]	Dowels length[mm]					
	160	60	80	100	120	140	160
CBH150/2.5	23.3	18	18.6	20.7	22.4	24	24
CBH180/2.5	31.8	25	26.5	29.5	32.1	32.6	32.6
CBH220/2.5	41.6	32.6	34.2	37.9	41.1	42.8	42.8

Product Characteristic capacities - Slope = >0°

Reference	Hanger capacity					
	Product Capacities[kN]					
	Product characteristic capacities - Timber C24[kN]					
	R1,k Slope β>0°					
	Dowels length[mm]					
	60	80	100	120	140	160
CBH150/2.5	16.4	16.7	18	19.3	20.6	21.9
CBH180/2.5	22.5	23.4	25.6	27.6	29.7	30.1
CBH220/2.5	29.8	30.8	33.3	35.7	38.3	39.5

Installation

Fasteners

Wood/Wood:
Supporting member:

- CNA annular ring-shank nails dia. 4.0 x 60 mm compliant with ETA-04/0013

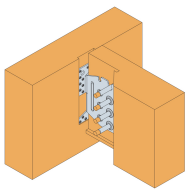
Supported member:

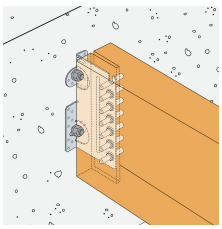
- Dowels dia. 10 mm (length to be specified depending on wood thickness)

Installation

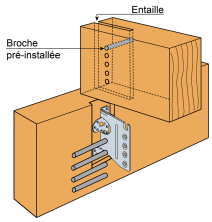
Pocket Installation

- Make a vertical pocket in the middle of the supported member 9 mm thick

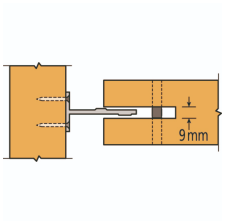




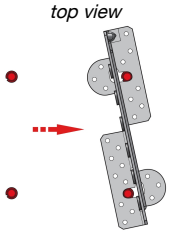
Timber/rigid support



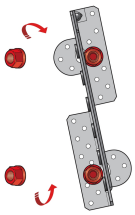
Dowels installation



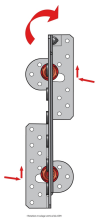
top view



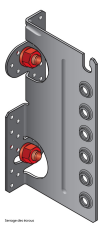
CBH installation on anchors



nut installation



CBH rotation



Final position on concrete

Technical Sheet

CBH
Concealed Beam Hanger

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