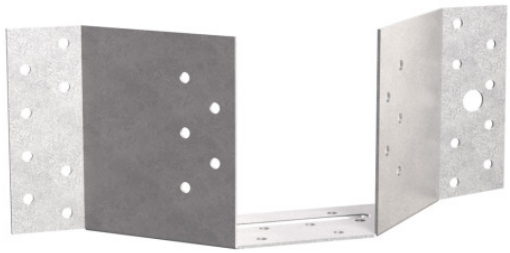
Technical data sheet

ET
Skewed 45° Hanger (right and left)

The ET is used for supporting skewed timber joists from timber members. This range is tested and standardised with a 45° skew angle left or right.



Features

Material

- Pre-galvanised mild steel

Benefits

- Install carried members at 45° skew left or right
- Fix to solid sawn timber

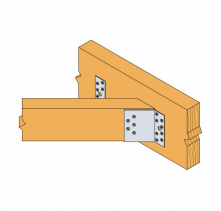
Applications

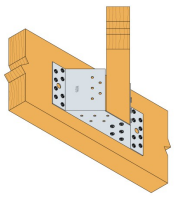
Suitable On

- **Supporting member:** solid wood, engineered timber (e.g. LVL, truss, glulam), concrete, steel
- **Supported member:** solid wood

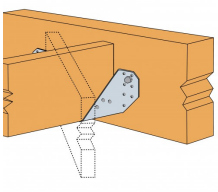
Applications

- Timber to Timber

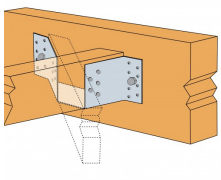




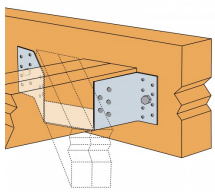
Skew 45° Left or Right



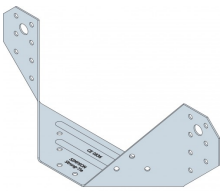
ET248



ET260 - Timber Installation



ET301 - Timber Installation

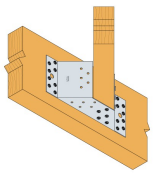
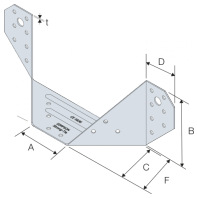
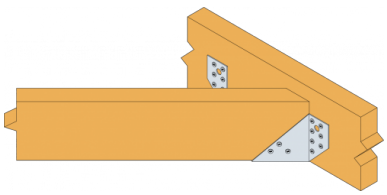


Technical data sheet

ET
Skewed 45° Hanger (right and left)

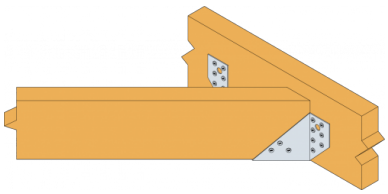
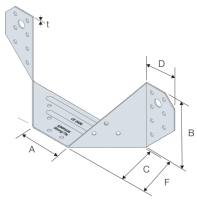
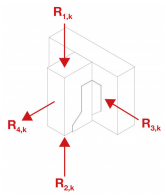
Technical Data

Product Dimensions

References	NOB nr.	Tun / DB nr.	Joist Size [mm]			Product Dimensions [mm]						Header holes		Joist holes	Box Quantity	Weight [kg]
			Width	Height		A	B	C	D	F	t	Ø5	Ø11	Ø5		
				Min	Max.											
ET260	50639937	1862289	47	97	145	67	95	55	177	35	1.5	16	2	10	30	0.33
ET301	-	-	2x38	97	145	108	95	55	218	35	1.5	16	2	16	30	0.34

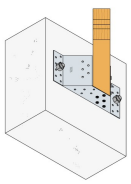
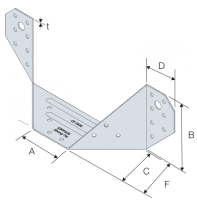
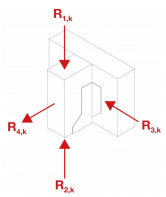
Wood/wood fastening- Characteristic values in kn

References	Characteristic capacities - Timber to timber - Full nailing				
	Number of Fasteners		Product characteristic capacities - Timber C24 [kN]		Safe Working Loads [kN]
	Header	Joist	$R_{1,k}$	$R_{2,k}$	$R_{1,SWL,LongTerm}$
	Qty	Qty	CNA4,0x35	CNA4,0x35	C24 Header
					CNA4,0x35
ET260	16	10	10.5	5.4	4.4
ET301	16	16	11.2	6.3	4.7

Use a LS30 Skewable Angle for extra stability if the joist height exceeds 195mm

Product Capacities - Timber to Concrete

References	Characteristic capacities - Timber to concrete or steel					
	Number of Fasteners				Product characteristic capacities - Timber C24 [kN]	
	Header		Joist		$R_{1,k}$	$R_{2,k}$
	Qty	Type	Qty	Type	CNA4,0x35	CNA4,0x35
ET260	2	Ø10	10	CNA**	10.5	-
ET301	2	Ø10	16	CNA**	11.2	-

Use a LS30 Skewable Angle for extra stability if the joist height exceeds 195mm
* Refer to the Simpson Strong-Tie anchor product range for suitable anchors. Typical anchor solutions are BOAXII, SET-XP, WA, AT-HP, depending on the concrete type, spacing and edge distances. The values in this table are given for an installation in the middle of a concrete slab. In other installation condition (close to the edge,...), the designer must check the anchor separately (Our free software Anchor Designer is available for download on our website).
** Refer to Characteristic Capacity table columns for type of fasteners that can be used in Flange A. Capacities vary depending on fastener type used.

Technical data sheet

ET
Skewed 45° Hanger (right and left)

Product characteristic capacities - Timber beam to timber beam - with SSH screws

References	Product capacities - Timber to timber - with SSH screws					
	Fasteners				Product characteristic capacities - Timber C24 [kN]	
	Header		Joist		$R_{1,k}$	$R_{2,k}$
	Qty	Type	Qty	Type		
ET260	-	-	-	-	-	-

ET
Skewed 45° Hanger (right and left)

Installation

Fasteners on header

Wood substrate:

- CNA annular ring-shank nails dia. 4.0 x 35 mm

Steel substrate:

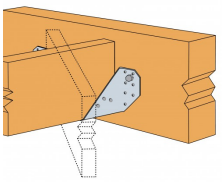
- Bolts dia. 12 mm (bolt diameter cannot be more than 2 mm smaller than the drill hole diameter)

Concrete substrate:

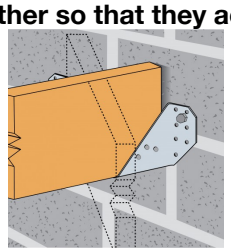
- *Mechanical anchor:* M10 x FM-753 - Length to be confirmed by Enginee
- *Chemical anchor:* AT-HP resin + LMAS M10 Rod - Length to be confirmed by Engineer

Installation

Use all specified fasteners. See General Notes.
Verify that the header can take the required fasteners specified in the table.
Multi-ply joists must be connected together so that they act as one single element.



ET248



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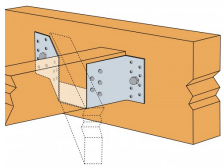
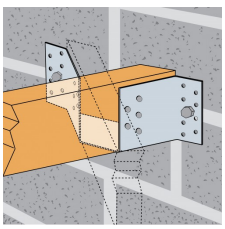
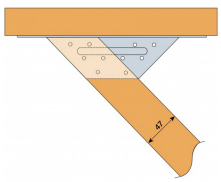


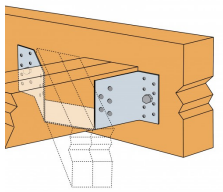
ET260 - Timber Installation



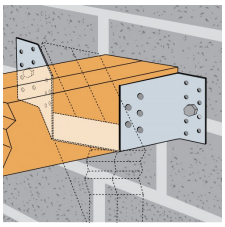
ET260 - Masonry Installation



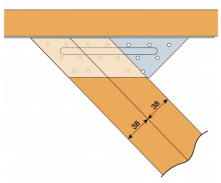
ET260 - Plan View



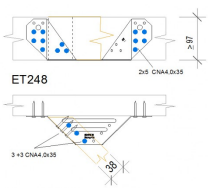
ET301 - Timber Installation

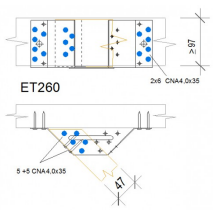


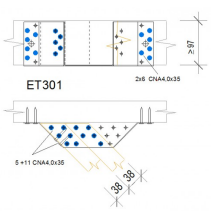
ET301 - Masonry Installation



ET301 - Plan View







Technical data sheet

ET
Skewed 45° Hanger (right and left)