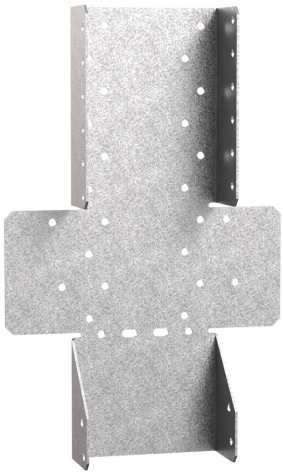
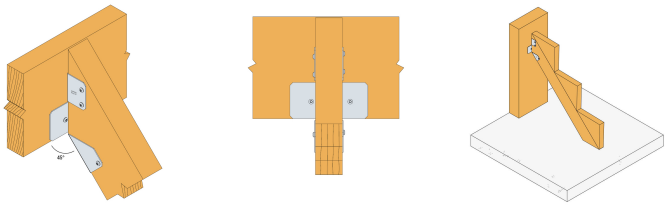
Technical Sheet

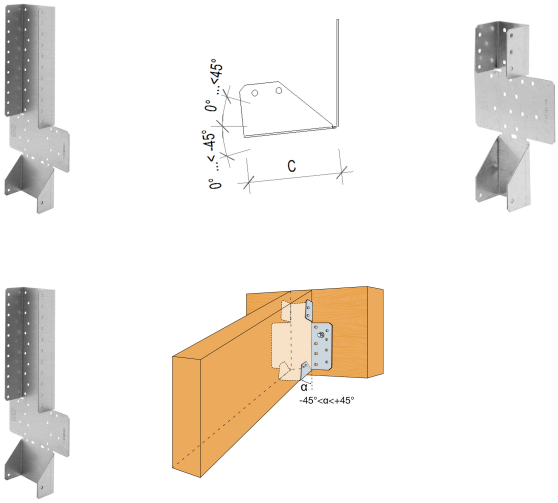
SPR
Timber Joist Hanger Slope Adjustable

The SPR connector supports rafters from other timber members and can be sloped up or down by up to 45 degress.

- *Slope angle can be adjusted on-site.*
- *Adjustable between 0 and 45 degree, up and down.*
- *supports a range of timber heights from 145mm to 250mm.*







Typical Installation

Features

Material

- Galvanized steel S250GD + Z275 according to NF EN 10346.

Applications

For Connecting

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

Applications

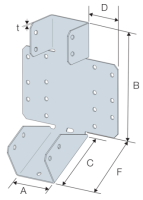
- Joists,
- Purlins,
- Smooth beams...

Technical Sheet

SPR
Timber Joist Hanger Slope Adjustable

Technical Data

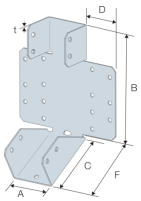
Product dimensions

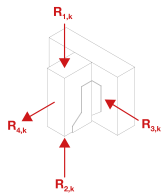


Reference	Connector Dimensions														
	Other		Timber size[mm]				Product Dimensions[mm]						Header holes	Joist holes	
	Qty per Box	Weight[kg]	Height		Width		A[mm]	B[mm]	C[mm]	D[mm]	F[mm]	t[mm]	Round	Traingular[mm]	Round
			Min[mm]	Max. [mm]	Min[mm]	Max. [mm]							Ø5[mm]		Ø5[mm]
SPR47/140	30	0.31	145	200	45	47	47	140	74	43	78	1.5	13	2	8
SPR47/200	30	0.4	200	250	45	47	47	200	74	43	78	1.5	17	2	14
SPR91/140	20	0.421	145	200	89	91	91	140	74	43	78	1.5	18	2	8
SPR91/200	20	0.545	200	250	89	91	91	200	74	43	78	1.5	24	2	14

The lower heel of the joist hanger must be bent only once along the desired angle α.
The height of joist is dependet on the slope.

Product characteristic capacities - Timber beam to timber beam





Reference	Hanger capacity			
	Characteristic capacities - Timber to timber - Full nailing			
	Number of Fasteners		Product characteristic capacities - Timber C24[kN]	
	Header	Joist	$R_{1,k}$	$R_{2,k}$
	Qty	Qty	N3.75x30	N3.75x30
SPR47/140	13.0	10	6	6
SPR47/200	17.0	16	12.2	12.2
SPR91/140	18.0	10	8.3	8.3
SPR91/200	24.0	16	14.5	14.5

number in ( ) are the number of square twist nails N3,75x30

Installation

Fasteners

On supported member:

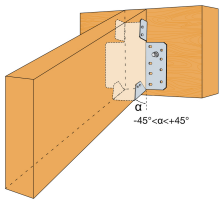
- Square twist nails N3,75x30

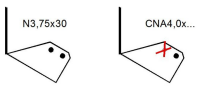
On supporting member:
Wood substrate:

- Square twist nails N3,75x30

Installation

- Use all specified fasteners.
- Bend only once.
- To ensure proper seat installation, install the bottom nails prior to the side nails.
- Attach the sloped joist at both ends so that the horizontal force developed by the slope is fully supported by the carried members.





Typical Installation

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