



SPR allows the fastening of rafters on wood.



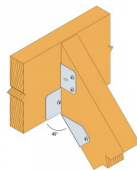
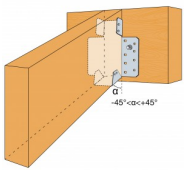
[ETA-08/0053](#), [UK-DoP-e08/0053](#)

## FEATURES



## Material

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



## APPLICATIONS

### For Connecting

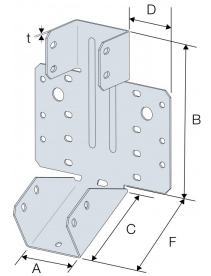
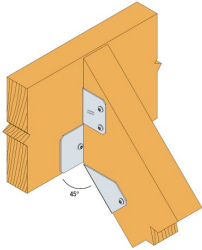
- Supporting member:** solid wood, composite lumber, glued-laminated wood
- Supported member:** solid wood, composite lumber, glued-laminated wood.

### Applications

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

TECHNICAL DATA

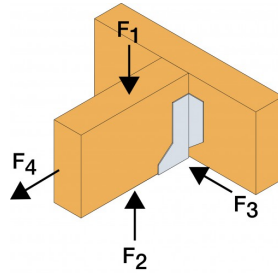
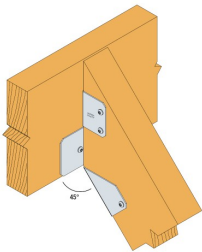
Product Dimensions



References	Joist Size [mm]				Product Dimensions [mm]						Header holes	Joist holes
	Width		Height		A	B	C	D	F	t	Ø5	Ø5
	Min	Max.	Min	Max.								
SPR47/140	45	47	-	-	47	140	75	43	78	1.5	13	10
SPR47/200	45	47	-	-	47	200	75	43	78	1.5	17	16
SPR91/140	89	91	-	-	91	140	75	43	78	1.5	18	10
SPR91/200	89	91	-	-	91	200	75	43	78	1.5	24	16

The lower heel of the joist hanger must be bent only once along the desired angle  $\alpha$ .  
The height of joist is dependent on the slope.

Wood/wood fastening- Characteristic values in kn



References	Number of Fasteners		Characteristic capacity - Timber C24 [kN]		Safe working loads - timber C24 [kN]		
	Header	Joist	R <sub>1,k</sub>	R <sub>2,k</sub>	R <sub>1,SWL,Long term</sub>	R <sub>1,SWL,Medium Term</sub>	Short Term Uplift
	Qty	Qty	N3.75x30	N3.75x30	N3.75x30	N3.75x30	N3.75x30
SPR47/140	13	8 (10)	6	6	2.5	2.9	3
SPR47/200	17	14(16)	12.2	12.2	5.1	5.8	6.1
SPR91/140	18	8(10)	8.3	8.3	3.5	4	4.2
SPR91/200	24	14(16)	14.5	14.5	6	6.9	7.2

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

## INSTALLATION

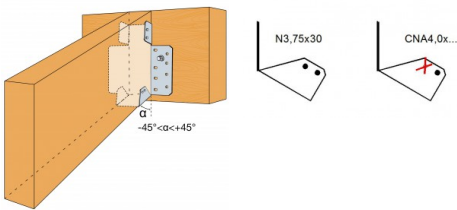
### Fasteners

#### **On supported member:**

- Square twist nails N3,75x30

#### **On supporting member:**

- Square twist nails N3,75x30



Typical  
Installation