

## Technical data sheet

**SIMPSON**

**Strong-Tie**

PFE

**PFE - purlin anchor**

PFE connectors may be used for bracing the crossing beams. Similarly, the horizontal forces can be absorbed.

Depending on the load can be 2 or 4 connectors for connection. Connections are 2 left and 2 right at the junction

PFE are sold in sets.

### Features

#### Material

##### Steel quality:

**S 250 GD + Z 275 according to DIN EN**

##### Corrosion protection:

**275 g / m galvanized on both sides 20mm**

#### Benefits

- **Designed to withstand tensile loads, loads more possible in horizontal directions.**
- **Installation maybe 2 or 4 connectors for connection.**
- **Low number of nails, 1-series of holes, each noha.l**
- **easier installation**

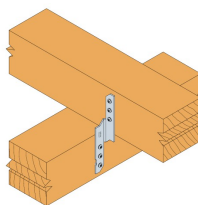
### Applications

#### Applicable materials

**Wood, wood products**

#### Application area

- **wood / wood joints, particularly in intersecting roof structures.**

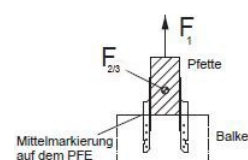
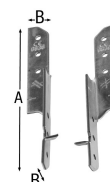
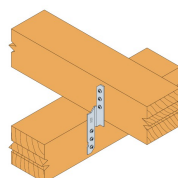


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## Technical Data

### Dimensions



References	DB. nr.	NOB nr.	Dimensions [mm]			Holes		Qty per box	Weight [kg]
			A	B	t	Ø	Qty		
PFE170-B	2857035	21215819	170	20	2.5	5	3 + 3	40	0.076
PFE210-B	2857043	2121827	210	20	2.5	5	4 + 4	40	-

### Load Capacity Table (characteristic values)

References	Characteristic load-bearing capacity, two beam anchor price. collection [kN]					
	CNA4,0x40 [2 nails per flange]		CNA4,0x40 [3 nails per flange]		CNA4,0x40 [4 nails per flange]	
	R <sub>1,k</sub> - min of:	R <sub>2,k</sub> =R <sub>3,k</sub> - min of:	R <sub>1,k</sub> - min of:	R <sub>2,k</sub> =R <sub>3,k</sub> - min of:	R <sub>1,k</sub> - min of:	R <sub>2,k</sub> =R <sub>3,k</sub> - min of:
PFE170-B	4.9	0.8	9.0/kmod; 9.0	2	-	-
PFE210-B	-	-	9.0/kmod; 9.0	1.5	9.0/kmod; 13.1	3.0/kmod; 3.1

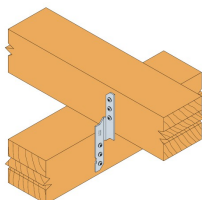
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## Installation

Installation

- They are attached CNA4,0xℓ nails or screws CSA5,0xℓ.



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