

Technical data sheet

SIMPSON
Strong-Tie

SPF Purlin Anchor

The SPF can be used to connect two timbers that cross over at 90 degrees to each other and can be used with a number of timber dimensions. The SPF are handed, left and right, and are sold separately.

Note: The brackets are manufactured in right and left versions and are sold individually.

Features

Material

Steel quality:

S250GD + Z275 according to DIN EN10346

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-hole line every foot.
- Variable installation

Applications

Applicatons

Wood, wood products

Scope

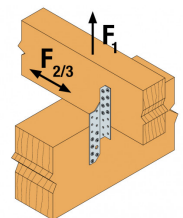
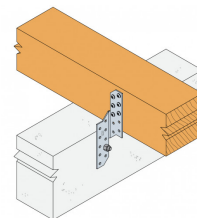
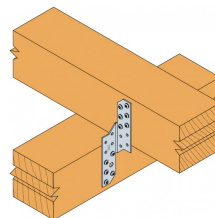
- Wood / wood joints, especially in the intersecting roof structures

Note:

Clutch purlins and rafters in pairs

SPF ... R - coupling purlins and rafters - right

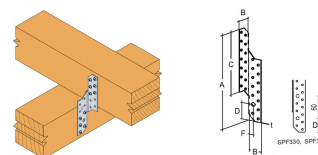
SPF ... L - coupling purlins and rafters – left



SPF Purlin Anchor

Technical Data

Product Dimensions



References	Product Dimensions [mm]					Holes Flange B	Holes Flange E
	A	B	C	E	t	Ø5 [mm]	Ø5 [mm]
SPF290L	290	32.5	220	220	2	22	21
SPF290R	290	32.5	220	220	2	22	21
SPF370L	370	32.5	300	300	2	30	29
SPF370R	370	32.5	300	300	2	30	29

The types "SPF ...LR" is a pair of left and right version
 The Type "SPF...L" is the left version
 The type "SPF...R" is the right version

Performance Values

References	Fasteners (Total)	Characteristic Loads [kN]		
		$R_{2,k}$	$R_{3,k} = R_{4,k}$	$R_{5,k} = R_{6,k}$
		CNA4.0x50	CNA4.0x50	CNA4.0x50
SPF290	22	14.7	2	4.9
SPF370	30	14.7	2	4.9

- Capacities are for one SPF
- Published capacities are based upon a short term load duration, in service class 2
- Capacity for connections with two SPF are double the capacity of one SPF

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Installation

Fasteners

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

