

## Technical data sheet

**SIMPSON**

**Strong-Tie**

ES

### Nail Plate Angle Bracket

*Simple angle bracket which is very versatile, used for timber to timber connections.*

## Features

### Material

- Pre-galvanised mild steel.

### Benefits

- Available in various width.

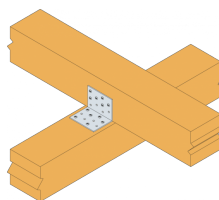
## Applications

### Header member

- Wood to wood connections.

### Scope

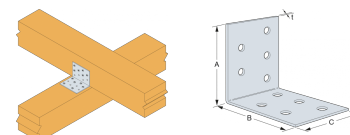
- To strengthen existing timber assemblies.



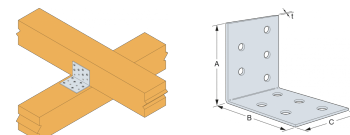
## ES Nail Plate Angle Bracket

## Technical Data

### Product Dimensions



References	Product Dimensions [mm]				Fasteners	
	A	B	C	t	Holes Flange A	Holes Flange B
					Ø5	Ø5
ES10/40C50	62.5	62.5	40	2.5	5	5
ES11/60	82.5	82.5	60	2.5	11	11



### Characteristic Values

References	Simplified product capacities - Timber to timber – Full nailing					
	Fasteners		Characteristic Capacities - Timber C24 - 2 Angle Brackets per Connection [kN]			
	Flange A	Flange B	$R_{1,k}^*$		$R_{2,k} = R_{3,k}^*$	
	Qty	Qty	CNA4.0x35	CNA4.0x50	CNA4.0x35	CNA4.0x50
ES10/40C50	3	3	2.7	3.1	2.7	3.2
ES11/60	8	6	3.6	4.9	7.3	9.8

\* The published characteristic capacity is based on short term load duration and service class 2 according to EC5 (EN 1995) –  $k_{mod} = 0.9$ . For other load duration and service class, please refer to the ETA to get more accurate capacities.

To obtain the resistance values for a single bracket, the values in the above table should be divided by two, provided that the supported beam is locked in rotation. Please consult our ETA-06/0106 if the beam is free to rotate.

## ES Nail Plate Angle Bracket

## Installation

### Fasteners

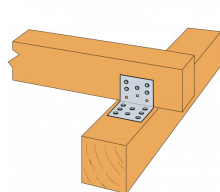
Ø 5.0mm holes.

#### Wood:

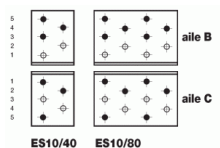
- CNA Ø 4.0 mm nail.
- CSA Ø 5.0 mm screw.

### Installation

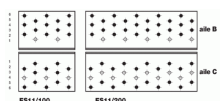
1. Approach the element to be fixed next to the support,
2. Fix the element with nails. It can also be screwed on using suitable screws,,
3. If the support is made of timber, the bracket is also nailed or screwed onto it.



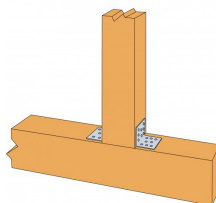
Timber to timber connection



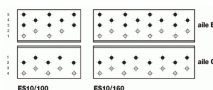
Nail pattern



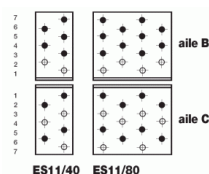
Nail pattern



column/beam connection



Nail pattern



Nail pattern

