

Technical data sheet

SIMPSON

Strong-Tie

ATFN

Concealed Beam Hanger

The ATFN is a two piece steel plate connector. The first part of the connector is fixed into a pocket on the header timber with nails and the second part is fitted on the end of the in-coming beam with screws. No slots or dowel holes are necessary, speeding up installation.

Features

Material

Pre-galvanised mild steel.

Advantages

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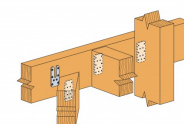
Applications

Suitable On

Glulam and solid sawn timber.

When to Use

To provide an invisible connection for exposed timber members.



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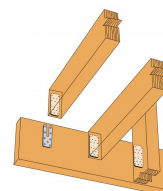
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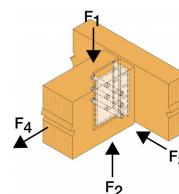
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Product Dimensions



References	Joist Size [mm]		Product Dimensions [mm]				Header holes	Joist holes
	Width	Height	A	B	t ₁	t ₂	Ø5	Ø5
	Min	Min						
ATFN55/110	80	140	110	55	5	5	8	11
ATFN55/150	80	180	150	55	5	5	11	15
ATFN55/190	80	220	190	55	5	5	14	21
ATFN75/150	100	180	150	75	5	5	17	22
ATFN75/190	100	220	190	75	5	5	21	28

Product Capacities



References	Number of Fasteners				Product characteristic capacities - Timber C24 [kN]
	Header		Joist		R _{1,k} [1]
	Qty	Type	Qty	Type	CNA4,0x60
ATFN55/110	8	CSA5,0X50	11	CSA5,0X50	11.39
ATFN55/150	11	CSA5,0X50	15	CSA5,0X50	15.53
ATFN55/190	14	CSA5,0X50	21	CSA5,0X50	21.74
ATFN75/150	17	CSA5,0X50	22	CSA5,0X50	22.77
ATFN75/190	21	CSA5,0X50	28	CSA5,0X50	28.98

- CNA refers to an Annular Ring Shank Nail
- CSA Screw has reduced head height

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Installation

Fixing

- CSA 5,0 x 50-DE Screw (with a reduced head height).
- Order nails and dowels separately.

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Hanger**



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