Technical Sheet

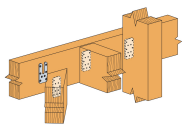
ATFN
Concealed Beam Hanger

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

Material : S355MC according to EN10149-2
Coating : Electroplating yellow zinc > 8 µm

Avantages

v

Applications

Suitable On

Glulam and solid sawn timber.

When to Use

To provide an invisible connection for exposed timber members.

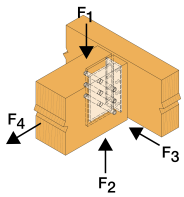
Technical Sheet

ATFN
Concealed Beam Hanger

Technical Data

Product Dimensions

Reference	Connector Dimensions								
	Timber size[mm]		Product Dimensions[mm]				Header holes[mm]	Joist holes[mm]	Other
	Width	Height[mm]	A[mm]	B[mm]	t1[mm]	t2[mm]	Round	Round	Weight[kg]
	Min[mm]	Min[mm]					Ø5	Ø5	
ATFN55/110	80	140	110	55	5	5	8	11	0.42
ATFN55/150	80	180	150	55	5	5	11	15	0.57
ATFN55/190	80	220	190	55	5	5	14	21	0.71
ATFN75/150	100	180	150	75	5	5	17	22	0.79
ATFN75/190	100	220	190	75	5	5	21	28	0.99



Product Capacities

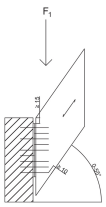
Reference	Hanger capacity				
	Number of Fasteners				Product characteristic capacities - Timber C24[kN]
	Header		Joist		$R_{1,k}$[1]
	Qty	Type	Qty	Type	CNA4.0x60
ATFN55/110	8.0	CSA5,0X50	11.0	CSA5,0X50	11.39
ATFN55/150	11.0	CSA5,0X50	15.0	CSA5,0X50	15.53
ATFN55/190	14.0	CSA5,0X50	21.0	CSA5,0X50	21.74
ATFN75/150	17.0	CSA5,0X50	22.0	CSA5,0X50	22.77
ATFN75/190	21.0	CSA5,0X50	28.0	CSA5,0X50	28.98

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

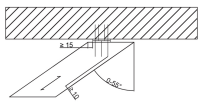
Installation

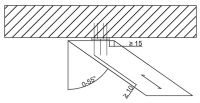
Fixing

- Fixings into the header can be either CSA5.0x50 Screws or CNA4.0x60 Annular Ring Shank Nails
- Fixings into the joist shall always be CSA5.0x50 Screws









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