



**THA IS A ONE-PIECE JOIST HANGER SUPPORTING TRUSSED RAFTERS AND COMPOSITE TIMBERS FROM TIMBER MEMBERS.**

Provides great support with ease of installation.

Install using one nail size (3.75x30mm square twist) or use our patented 'double shear nailing' option featuring additional 3.75x75mm nails for an enhanced installation. A separate set of performance values are published for each installation. Available in seat widths from 38mm to 100mm.

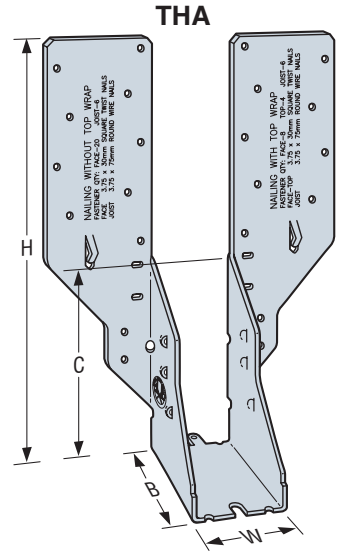
- New location tab allows easier alignment to the carrying member.
- Choice of installation specifications to suit wrap-over or face fix.
- Unique to Simpson Strong-Tie, the speed prongs enables positioning of the hanger without nails before completing the install.
- Nailing schedules are stamped into the strap to provide the correct information to site operatives.
- The distinctive wide strap enhances the performance of the critical part of the connection by increasing the nail spacing and providing greater bearing area on the the supporting girder.

**MATERIAL:** 1.2mm pre-galvanised mild steel.

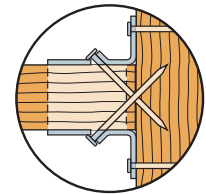
**INSTALLATION:** Use all specified fasteners. See "General Notes" (page 12). Two different installation methods are available depending on the availability of nailing surface.

**Maximum Nailing:** For applications where all the nails listed in the table can be properly installed. Install the quantity of face nails shown into the straps for full table load.

**Minimum Nailing:** For applications where the strap is wrapped over the top of the support. Install nails into each strap in the face and top of the hanger and for the THA, 75mm nails at a 45° angle through the joist into the support. Bend top flange a minimum of 45mm for the THA.

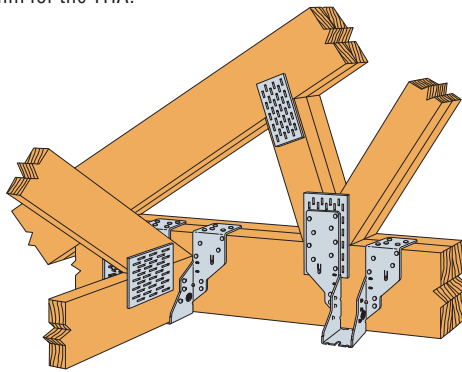


**Double Shear Nailing**



Simpson's exclusive double shear nailing feature guides the 75mm nails into joist at a 45° angle. This provides easier nail driving as the installer doesn't need to swing the hammer sideways.

Examples of THA Installation Configurations



Install Method	Carrying Member Depth	Carried Member Depth	Model No.	Dimensions (mm)				Fasteners			C27 / TR26 Graded Timber				
											Safe Working Loads (kN)		Characteristic Loads (kN)		
				W	H	B	C	Face	Top	Carried Member	Download	Short Term Uplift	D/Load	Uplift	
<b>THA Performance Values (using 3.75 x 30mm Joist Nails)</b>															
Face Fix	197mm to 222mm	38	THA38	38	226.0	63.0	113.5	20 n30	-	6 - n30	5.2	5.9	1.9	12.4	3.7
		44	THA44	44	223.0	63.0	110.5								
		50	THA50	50	220.0	63.0	107.5								
		75	THA75	75	232.5	63.0	120.0								
Wrap Over	122mm to 197mm	38	THA38	38	226.0	63.0	113.5	8 - n30	4 - n30	6 - n30	4.4	5.0	1.9	10.5	3.7
		44	THA44	44	223.0	63.0	110.5								
		50	THA50	50	220.0	63.0	107.5								
		75	THA75	75	232.5	63.0	120.0								
Wrap Over	122mm to 197mm	38	THA38	38	226.0	63.0	113.5	8 - n30	4 - n30	6 - n75	6.8	7.8	2.7	16.4	5.3
		44	THA44	44	223.0	63.0	110.5								
		50	THA50	50	220.0	63.0	107.5								
		75	THA75	75	232.5	63.0	120.0								
Face Fix	197mm to 222mm	38	THA38	38	226.0	63.0	113.5	20 n30	-	6 - n75	6.4	7.3	2.7	15.4	5.3
		44	THA44	44	223.0	63.0	110.5								
		50	THA50	50	220.0	63.0	107.5								
		75	THA75	75	232.5	63.0	120.0								
Wrap Over	122mm to 197mm	38	THA38	38	226.0	63.0	113.5	8 - n30	4 - n30	6 - n75	6.8	7.8	2.7	16.4	5.3
		44	THA44	44	223.0	63.0	110.5								
		50	THA50	50	220.0	63.0	107.5								
		75	THA75	75	232.5	63.0	120.0								
Wrap Over	122mm to 197mm	38	THA38	38	226.0	63.0	113.5	8 - n30	4 - n30	6 - n75	6.8	7.8	2.7	16.4	5.3
		44	THA44	44	223.0	63.0	110.5								
		50	THA50	50	220.0	63.0	107.5								
		75	THA75	75	232.5	63.0	120.0								

1) n30 - 3.75 x 30mm square twist nails.

2) n75 - 3.75 x 75mm round wire nails.

3) Characteristic and Safe Working Load's are determined by test/design model and are based on C27/TR26 graded timbers.

4) SWL's determined by applying GSF's to the Characteristic Loads.

5) W, H, B, C dimensions shown in the illustration overleaf.

6) Published performance values are not dependent on the location tab being nailed.