JHA *Joist Hanger with Adjustable Height Strap*

CE

SIMPSON Strong-Tie®

JHA'S ARE A ONE PIECE, NON-WELDED, JOIST HANGER FOR SUPPORTING TIMBER JOISTS FROM TIMBER MEMBERS.

- A galvanised joist hanger that provides great support with ease of installation.
- Published performance values are based upon 3.75mm x 30mm square twist nails being used throughout.
- Wider strap provides more surface area on the supporting timber and allows increased nail spacing, enhancing the performance of the critical hanger-to-support part of the connection.
- Minimum and maximum nailing schedules are stamped into the strap providing correct installation information for site operatives.
- Speed-prong holds the hanger in position to allow easier attachment. The installer no longer has to try to hold hanger, joist and nail with one hand and swing a hammer with the other!
- JHA270 range features a location tab which allows easier alignment of the hanger.
- The model number and size is stamped into the seat of the hanger for easy identification, even after installation.
- **Regularised Timber:** we have added new sizes to our JHA range to suit regularised timber. Use 47mm or 91mm width hangers for this new application.

MATERIAL:
JHA270—0.9mm pre-galvanised mild steel.
JHA450—1.5mm pre-galvanised mild steel.

INSTALLATION:
Alternative installation methods are available depending on the availability of nailing surface.

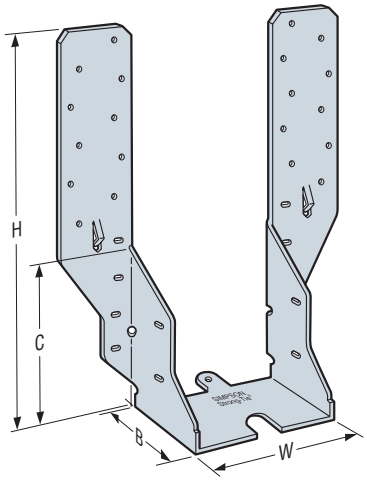
Maximum Nailing: All nails must be applied according to the table.

Minimum Nailing: For a lower installed cost the minimum nailing schedule can be used when the maximum nailing load capacity is not needed. A minimum wrap over of 45mm is required.

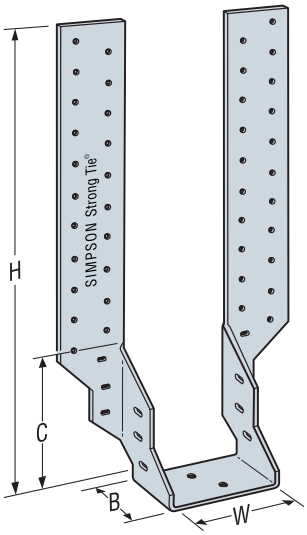
Loft Conversions (JHA450 Range): For applications where the hanger extends below the support. Install top, face, and joist nails according to the table. A minimum wrap over of 45mm is required or maximum nailing.

OPTIONS:
Because these hangers are fully die-formed they cannot be modified.

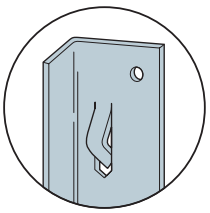
JHA270
Adjustable Hanger



JHA450
Adjustable Hanger

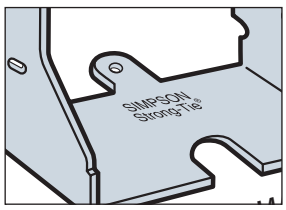


Speed Prongs



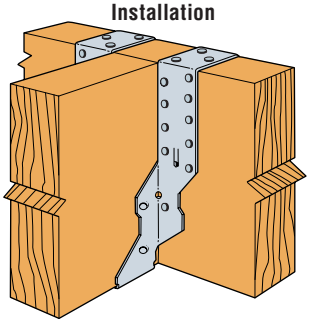
Used to temporarily position and secure the hanger for easier and faster installation.

Location Tab (JHA270)

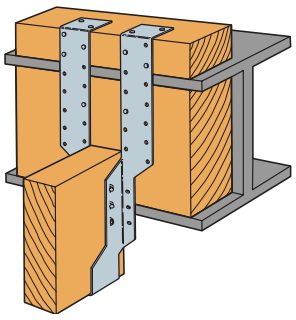


Location tab in the JHA270 range helps align quickly and accurately.

JHA270 Installation



JHA450 Below Support Installation



JHA *Joist Hanger with Adjustable Height Strap*

CE

SIMPSON Strong-Tie®

JHA270 SPECIFICATIONS

Installation Method	Supporting Member Depth	Supported Member Width	Model No.	Dimensions (mm) [1]				Number of Fasteners [2]			Safe Working Loads (kN) [4]			Characteristic Loads (kN)	
				W	H	B	C	Header		Joist	Download		Short Term Uplift	Download	Uplift
								Face	Top		Long Term	Short Term			
Wrap Over	125mm to 200mm	1 ply 38	JHA270/38	38	241	50	106	8	4	4	4.2	4.8	1.1	10.0	2.1
		1 ply 44	JHA270/44	44	238	50	103				4.8	5.5	1.1	11.6	2.1
		1 ply 45	JHA270/47	47	237	50	102				5.2	5.9	1.1	12.4	2.1
		1 ply 50	JHA270/50	50	235	50	100				5.5	6.2	1.1	13.1	2.1
		1 ply 63	JHA270/63	63	249	50	114				5.5	6.3	1.1	13.2	2.1
		1 ply 75	JHA270/75	75	243	50	108				5.5	6.3	1.1	13.2	2.1
		2 ply 45	JHA270/91	91	234	50	100				5.5	6.3	1.1	13.2	2.1
		2 ply 50	JHA270/100	100	230	50	95				5.5	6.3	1.1	13.2	2.1
Face Fix	200mm to 250mm	1 ply 38	JHA270/38	38	241	50	106	20	~	4	3.2	3.6	1.1	7.6	2.1
		1 ply 44	JHA270/44	44	238	50	103				3.2	3.6	1.1	7.6	2.1
		1 ply 45	JHA270/47	47	237	50	102				3.2	3.6	1.1	7.6	2.1
		1 ply 50	JHA270/50	50	235	50	100				3.2	3.6	1.1	7.6	2.1
		1 ply 63	JHA270/63	63	249	50	114				3.2	3.6	1.1	7.6	2.1
		1 ply 75	JHA270/75	75	243	50	108				3.2	3.6	1.1	7.6	2.1
		2 ply 45	JHA270/91	91	234	50	100				3.2	3.6	1.1	7.6	2.1
		2 ply 50	JHA270/100	100	230	50	95				3.2	3.6	1.1	7.6	2.1

1. W, H, B & C dimensions are depicted in the illustration on previous page.
2. 3.75 x 30mm square twist nails used throughout.
3. Characteristic and Safe Working Loads are determined by test and are based upon timbers with a characteristic density of 310 Kg/m^3.
4. Published performance values are not dependent on the location tab being nailed.

JHA450 SPECIFICATIONS

Installation Method	Supported Member Width	Model No.	Dimensions (mm) [1]				Number of Fasteners [2]			Safe Working Loads (kN) [4]			Characteristic Loads (kN)	
			W	H	B	C	Header		Joist	Download		Short Term Uplift	Download	Uplift
							Face	Top		Long Term	Short Term			
Wrap Over	1 ply 38	JHA450/38	38	481	50	191	8	4	6	4.2	4.8	1.6	10.0	3.13
	1 ply 44	JHA450/44	44	478	50	188				4.8	5.5	1.6	11.6	3.13
	1 ply 45	JHA450/47	47	477	50	187				5.2	5.9	1.6	12.4	3.13
	1 ply 50	JHA450/50	50	475	50	185				5.5	6.3	1.6	13.2	3.13
	1 ply 63	JHA450/63	63	469	50	179				5.5	6.3	1.6	13.2	3.13
	1 ply 75	JHA450/75	75	463	50	173				5.5	6.3	1.6	13.2	3.13
	2 ply 45	JHA450/91	91	455	50	165				5.5	6.3	1.6	13.2	3.13
	2 ply 50	JHA450/100	100	450	50	160				5.5	6.3	1.6	13.2	3.13
	2 ply 63	JHA450/125	125	453	63	163				5.7	6.5	1.6	13.6	3.13
	3 ply 45	JHA450/137	137	447	63	157				5.7	6.5	1.6	13.6	3.13
	3 ply 50	JHA450/150	150	440	63	150				5.7	6.5	1.6	13.6	3.13
Face Fix	1 ply 38	JHA450/38	38	481	50	191	20	~	6	4.2	4.8	1.6	10.0	3.13
	1 ply 44	JHA450/44	44	478	50	88				4.4	5.1	1.6	10.6	3.13
	1 ply 45	JHA450/47	47	477	50	187				4.4	5.1	1.6	10.6	3.13
	1 ply 50	JHA450/50	50	475	50	185				4.4	5.1	1.6	10.6	3.13
	1 ply 63	JHA450/63	63	469	50	179				4.4	5.1	1.6	10.6	3.13
	1 ply 75	JHA450/75	75	463	50	173				4.4	5.1	1.6	10.6	3.13
	2 ply 45	JHA450/91	91	455	50	165				4.4	5.1	1.6	10.6	3.13
	2 ply 50	JHA450/100	100	450	50	160				4.4	5.1	1.6	10.6	3.13
	2 ply 63	JHA450/125	125	453	63	163				4.8	5.5	1.6	11.6	3.13
	3 ply 45	JHA450/137	137	447	63	157				4.8	5.5	1.6	11.6	3.13
	3 ply 50	JHA450/150	150	440	63	150				4.8	5.5	1.6	11.6	3.13
Loft Conversion	1 ply 38	JHA450/38	38	481	50	191	4	4	6	4.0	4.6	-	9.6	-
	1 ply 44	JHA450/44	44	478	50	88				4.0	4.6	-	9.6	-
	1 ply 45	JHA450/47	47	477	50	187				4.0	4.6	-	9.6	-
	1 ply 50	JHA450/50	50	475	50	185				4.0	4.6	-	9.7	-
	1 ply 63	JHA450/63	63	469	50	179				4.1	4.6	-	9.8	-
	1 ply 75	JHA450/75	75	463	50	173				4.1	4.6	-	9.8	-
	2 ply 45	JHA450/91	91	455	50	165				4.1	4.6	-	9.8	-
	2 ply 50	JHA450/100	100	450	50	160				4.1	4.6	-	9.8	-
	2 ply 63	JHA450/125	125	453	63	163				4.2	4.8	-	10.1	-
	3 ply 45	JHA450/137	137	447	63	157				4.2	4.8	-	10.1	-
	3 ply 50	JHA450/150	150	440	63	150				4.2	4.8	-	10.1	-

1. W, H, B & C dimensions are depicted in the illustration on previous page.
2. 3.75 x 30mm square twist nails used throughout.
3. Characteristic and Safe Working Loads are determined by test and are based upon timbers with a characteristic density of 310 Kg/m^3.