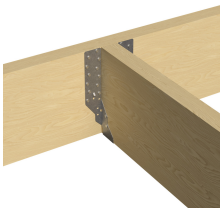
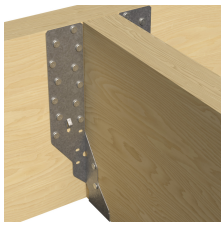
Technical Sheet

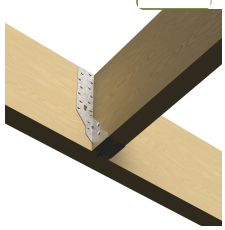
JHA
Joist Hanger with Adjustable Height Strap

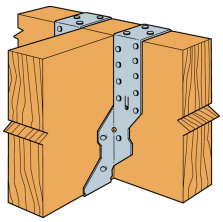
The JHA is a height adjustable joist hanger for supporting timber joists from timber members. It is available in standard leg (JHA270) and long leg (JHA450) versions and can be installed to the face of the carrying joist or wrapped over the top for higher performance.

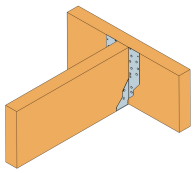


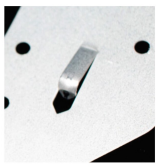












Speed Prongs (JHA270)



Location Tab (JHA270)





Features

Material

- Pre-galvanised mild steel.

Features

- A galvanised joist hanger that provides great support with ease of installation.
- Published performance values are based upon 3.75 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.

Applications

Suitable On

- **Solid sawn timber joists**

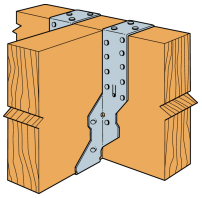
When to Use

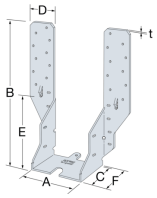
- Face Fix
- Wrap Over

Technical Sheet

JHA
Joist Hanger with Adjustable Height Strap

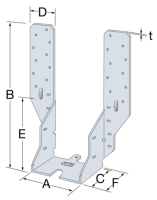
Technical Data





Product Dimensions - JHA270

Reference	Connector Dimensions									
	Product Dimensions[mm]							Header holes	Joist holes	Other
	A[mm]	B[mm]	C[mm]	D[mm]	E[mm]	F[mm]	t[mm]	Round Ø4	Obround Ø6x4	Weight[kg]
JHA270/38	38	241	50	48.8	106	52.1	0.9	22	4	0.171
JHA270/44	44	238	50	48.8	103	52.1	0.9	22	4	0.171
JHA270/47	47	249	50	48.8	101.5	52.1	0.9	24	4	0.171
JHA270/50	50	247	50	48.8	100	52.1	0.9	24	4	0.171
JHA270/63	63	248.5	50	48.8	113.5	52.1	0.9	22	4	0.185
JHA270/75	75	242.5	50	48.8	99.5	52.1	0.9	22	4	0.185
JHA270/91	91	234	50	48.8	95	52.1	0.9	22	4	0.185
JHA270/100	100	230	50	48.8	230	52.1	0.9	22	4	0.185

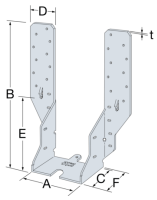


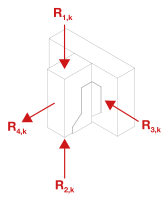
Product Dimensions - JHA450

Reference	Connector Dimensions										
	Timber size[mm]	Product Dimensions[mm]							Header holes	Joist holes	Other
	Width[mm]	A[mm]	B[mm]	C[mm]	D[mm]	E[mm]	F[mm]	t[mm]	Round Ø4	Obround Ø6x4	Weight[kg]
JHA450/38	1x38	38	481	50	51.5	191	61.5	1.2	38	6	0.58
JHA450/44	1x44	44	478	50	51.5	188	61.5	1.2	38	6	0.58
JHA450/47	1x45	47	477	50	51.5	187	61.5	1.2	38	6	0.58
JHA450/50	1x50	50	475	50	51.5	185	61.5	1.2	38	6	0.58
JHA450/63	1x63	63	469	50	51.5	179	61.5	1.2	38	6	0.58
JHA450/75	1x75	75	463	50	51.5	173	61.5	1.2	38	6	0.58
JHA450/91	2x45	91	455	50	51.5	165	61.5	1.2	38	6	0.58
JHA450/100	2x50	100	450	50	51.5	160	61.5	1.2	38	6	0.576
JHA450/125	2x63	125	452.5	63	51.5	162.5	64.5	1.2	38	6	0.742
JHA450/137	3x45	137	446.5	63	51.5	156.5	64.5	1.2	38	6	0.738
JHA450/150	3x50	150	440	63	51.5	150	64.5	1.2	38	6	0.733

Technical Sheet

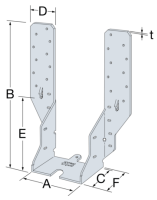
JHA
Joist Hanger with Adjustable Height Strap

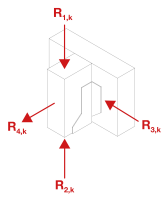




JHA270 - Wrap Over Installation

Reference	Hanger capacity									
	Product capacities - Timber to timber - Wrap over Installation						Product capacities - Timber to timber - Wrap over Installation			
	Number of Fasteners						Header dimensions		Characteristic capacities - Timber C16[kN]	
	Header				Joist		Height		$R_{1,k}$	$R_{2,k}$
	Top		Face		Qty	Type[mm]	Min	Max.	N3.75x30 CSA4.0x30	N3.75x30 CSA4.0x30
	Qty	Type[mm]	Qty	Type[mm]						
JHA270/38	4.0	N3.75 x 30	8.0	N3.75 x 30	4.0	N3.75 x 30	125	200	10	2.1
JHA270/44	4.0	N3.75 x 30	8.0	N3.75 x 30	4.0	N3.75 x 30	125	200	11.6	2.1
JHA270/47	4.0	N3.75 x 30	8.0	N3.75 x 30	4.0	N3.75 x 30	125	200	12.4	2.1
JHA270/50	4.0	N3.75 x 30	8.0	N3.75 x 30	4.0	N3.75 x 30	125	200	13.1	2.1
JHA270/63	4.0	N3.75 x 30	8.0	N3.75 x 30	4.0	N3.75 x 30	125	200	13.2	2.1
JHA270/75	4.0	N3.75 x 30	8.0	N3.75 x 30	4.0	N3.75 x 30	125	200	13.2	2.1
JHA270/91	4.0	N3.75 x 30	8.0	N3.75 x 30	4.0	N3.75 x 30	125	200	13.2	2.1
JHA270/100	4.0	N3.75 x 30	8.0	N3.75 x 30	4.0	N3.75 x 30	125	200	13.2	2.1



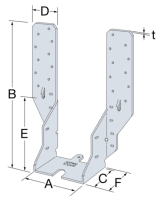


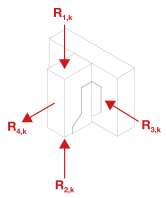
JHA450 - Wrap Over Installation

Reference	Hanger capacity							
	Product capacities - Timber to timber - Wrap over Installation						Product capacities - Timber to timber - Wrap over Installation	
	Number of Fasteners						Characteristic capacities - Timber C16[kN]	
	Header				Joist		$R_{1,k}$	$R_{2,k}$
	Top		Face		Qty	Type[mm]	N3.75x30 CSA4.0x30	N3.75x30 CSA4.0x30
	Qty	Type[mm]	Qty	Type[mm]				
JHA450/38	4.0	N3.75 x 30	8.0	N3.75 x 30	6.0	N3.75 x 30	10	3.1
JHA450/44	4.0	N3.75 x 30	8.0	N3.75 x 30	6.0	N3.75 x 30	11.6	3.1
JHA450/47	4.0	N3.75 x 30	8.0	N3.75 x 30	6.0	N3.75 x 30	12.4	3.1
JHA450/50	4.0	N3.75 x 30	8.0	N3.75 x 30	6.0	N3.75 x 30	13.1	3.1
JHA450/63	4.0	N3.75 x 30	8.0	N3.75 x 30	6.0	N3.75 x 30	13.2	3.1
JHA450/75	4.0	N3.75 x 30	8.0	N3.75 x 30	6.0	N3.75 x 30	13.2	3.1
JHA450/91	4.0	N3.75 x 30	8.0	N3.75 x 30	6.0	N3.75 x 30	13.2	3.1
JHA450/100	4.0	N3.75 x 30	8.0	N3.75 x 30	6.0	N3.75 x 30	13.2	3.1
JHA450/125	4.0	N3.75 x 30	8.0	N3.75 x 30	6.0	N3.75 x 30	13.6	3.1
JHA450/137	4.0	N3.75 x 30	8.0	N3.75 x 30	6.0	N3.75 x 30	13.6	3.1
JHA450/150	4.0	N3.75 x 30	8.0	N3.75 x 30	6.0	N3.75 x 30	13.6	3.1

Technical Sheet

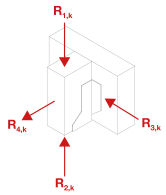
JHA
Joist Hanger with Adjustable Height Strap





JHA270 - Face Fix Installation

Reference	Hanger capacity									
	Product capacities - Timber to timber - Face fix Installation									
	Characteristic capacities - Timber C16[kN]		Header dimensions		Number of Fasteners					
	$R_{1,k}$	$R_{2,k}$	Height		Joist		Header			
	N3.75x30 CSA4.0x30	N3.75x30 CSA4.0x30	Min	Max.	Qty	Specification[mm]	Top		Face	
							Qty	Specification[mm]	Qty	Specification[mm]
JHA270/38	7.6	2.1	200	250	4.0	N3.75 x 30	-	-	20.0	N3.75 x 30
JHA270/44	7.6	2.1	200	250	4.0	N3.75 x 30	-	-	20.0	N3.75 x 30
JHA270/47	7.6	2.1	200	250	4.0	N3.75 x 30	-	-	20.0	N3.75 x 30
JHA270/50	7.6	2.1	200	250	4.0	N3.75 x 30	-	-	20.0	N3.75 x 30
JHA270/63	7.6	2.1	200	250	4.0	N3.75 x 30	-	-	20.0	N3.75 x 30
JHA270/75	7.6	2.1	200	250	4.0	N3.75 x 30	-	-	20.0	N3.75 x 30
JHA270/91	7.6	2.1	200	250	4.0	N3.75 x 30	-	-	20.0	N3.75 x 30
JHA270/100	7.6	2.1	200	250	4.0	N3.75 x 30	-	-	20.0	N3.75 x 30

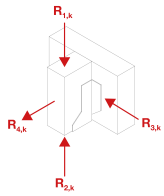


JHA450 - Face Fix Installation

Reference	Hanger capacity							
	Product capacities - Timber to timber - Face fix Installation							
	Characteristic capacities - Timber C16[kN]		Number of Fasteners					
	$R_{1,k}$	$R_{2,k}$	Joist		Header			
	N3.75x30 CSA4.0x30	N3.75x30 CSA4.0x30	Qty	Specification[mm]	Top		Face	
					Qty	Specification[mm]	Qty	Specification[mm]
JHA450/38	10	3.1	6.0	N3.75 x 30	-	-	20.0	N3.75 x 30
JHA450/44	10.6	3.1	6.0	N3.75 x 30	-	-	20.0	N3.75 x 30
JHA450/47	10.6	3.1	6.0	N3.75 x 30	-	-	20.0	N3.75 x 30
JHA450/50	10.6	3.1	6.0	N3.75 x 30	-	-	20.0	N3.75 x 30
JHA450/63	10.6	3.1	6.0	N3.75 x 30	-	-	20.0	N3.75 x 30
JHA450/75	10.6	3.1	6.0	N3.75 x 30	-	-	20.0	N3.75 x 30
JHA450/91	10.6	3.1	6.0	N3.75 x 30	-	-	20.0	N3.75 x 30
JHA450/100	10.6	3.1	6.0	N3.75 x 30	-	-	20.0	N3.75 x 30
JHA450/125	11.6	3.1	6.0	N3.75 x 30	-	-	20.0	N3.75 x 30
JHA450/137	11.6	3.1	6.0	N3.75 x 30	-	-	20.0	N3.75 x 30
JHA450/150	11.6	3.1	6.0	N3.75 x 30	-	-	20.0	N3.75 x 30

Technical Sheet

JHA
Joist Hanger with Adjustable Height Strap



JHA450 - Below Support (Loft Conversion) Installation

Reference	Hanger capacity							
	Product capacities - Timber to timber - Below Support (Loft Conversion) Installation							
	Characteristic capacities - Timber C16[kN]		Number of Fasteners					
	$R_{1,k}$	$R_{2,k}$	Joist		Header			
					Top		Face	
	N3.75x30 CSA4.0x30	N3.75x30 CSA4.0x30	Qty	Specification[mm]	Qty	Specification[mm]	Qty	Specification[mm]
JHA450/38-100	9.6	-	6.0	-	4	-	4	-
JHA450/125-150	10.1	-	6.0	-	4	-	4	-
JHA450/38-100 (alt)	9.6	-	6.0	-	-	-	20	-
JHA450/125-150 (alt)	10.1	-	6.0	-	-	-	20	-

Installation

Installation

<u>Alternative installation methods are available depending on the availability of nailing surface.</u>
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. 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.

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