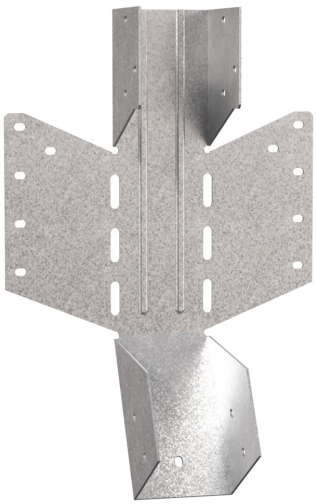
Technical Sheet

LSSU
Light Slope & Skew Adjustable Hangers

With these site adjustable hangers, you can always have the right hanger available for those special rush projects. This versatile range of products attaches joists/rafters to timber supports at any slope, up or down or at any skew, left or right up to and including 45°. All models are slope and skew adjustable on site, excluding the LSU228/108, LSU228/120 and the LSU124/38 which are slope only.



Features

Material

- Galvanized steel S250GD + Z275 according to NF EN 10346 or G90 according to ASTM A653.
- Thickness: **LSSU** - 1.2mm - 1.5mm - 1.6mm / **LSU** - 2mm.

Benefits

c

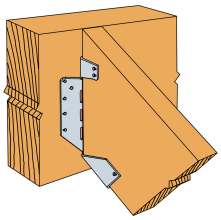
Applications

Suitable On

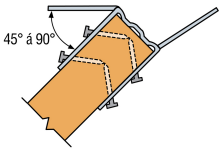
- **Supporting member**: solid wood, composite lumber, glued-laminated wood, etc.
- **Supported member:** I-beams, solid wood, composites, etc.

When to Use

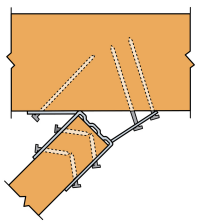
- Fastening of rafters
- Principal rafters
- Headers, etc.



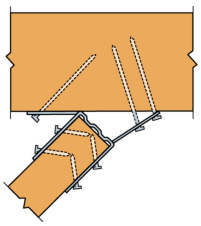
Sloped connection.

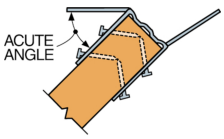


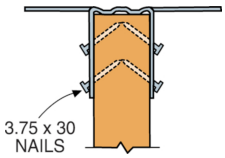
LSSU Installation

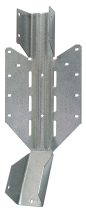


LSSU Installation

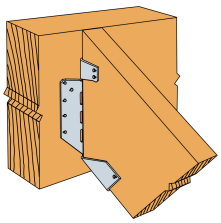




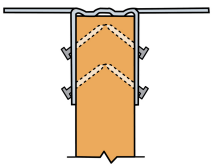




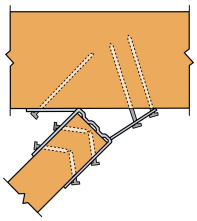
LSSU Slope and Skew Joist Hanger



Sloped connection.



LSSU Installation



LSSU Installation

Technical Sheet

LSSU
Light Slope & Skew Adjustable Hangers

Technical Data

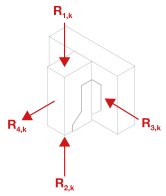
Product Dimensions

Reference	Connector Dimensions														
	Timber size[mm]			Product Dimensions[mm]					Header holes				Joist holes	Other	
	Height		Width						Obround				Obround		
	Min[mm]	Max. [mm]	Max. [mm]	A[mm]	B[mm]	C[mm]	D[mm]	t[mm]	Ø4x6	Ø5x17	Ø5x25	Ø5x44	Ø6x4 Obround	Box Quantity	Weight[kg]
LSU124/38	150	150	38	38	124	75	38	1.2	14	-	-	-	5	25	0.2
LSSU181/38	241	241	38	38	181	90	44	1.2	10	-	6	-	5	25	0.276
LSSU216/45	241	356	45	45	216	90	44	1.2	10	-	6	-	7	20	0.32
LSSU170/50	195	245	50	50	170	90	58	1.2	10	6	-	-	11	25	0.362
LSSU275/50	300	450	50	50	275	90	58	1.5	18	-	-	6	11	25	0.47
LSSU216/52	241	356	52	52	216	90	47	1.2	10	-	6	-	7	-	0.32
LSSU216/60	241	356	60	60	216	90	50	1.2	10	-	6	-	7	16	0.32
LSSU275/66	300	450	66	66	275	90	58	1.5	18	-	-	6	11	25	0.66
LSSU170/71	195	300	71	71	170	90	65	1.2	10	6	-	-	11	-	0.38
LSSU275/71	300	450	71	71	275	90	65	1.5	18	-	-	6	11	25	0.94
LSSU170/75	195	300	75	75	170	90	65	1.2	10	6	-	-	11	20	0.436
LSSU275/75	300	400	75	75	275	90	65	1.5	18	-	-	6	11	-	0.56
LSSU216/90	241	356	90	90	216	90	69	1.5	18	-	6	-	12	25	0.32
LSSU170/96	195	300	96	96	170	90	80	1.2	10	6	-	-	11	-	0.44
LSSU275/96	300	450	96	96	275	90	80	1.5	18	-	-	6	11	-	0.64
LSSU170/100	195	300	100	100	170	90	80	1.2	10	6	-	-	11	15	0.521
LSSU275/100	300	400	100	100	275	90	80	1.5	18	-	-	6	11	-	0.65

* Bending in slope only
SCL: Structural Composite Lumber

Technical Sheet

LSSU
Light Slope & Skew Adjustable Hangers

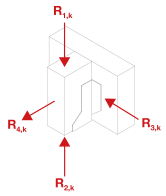


Product capacities - Timber to timber -sloped only

Reference	Hanger capacity					
	Characteristic capacities - Timber to timber - Sloped only					
	Characteristic Capacities[kN]				Number of Fasteners	
	$R_{1,k}$		$R_{2,k}$		Header	Joist
	I-joist LVL flanges	Solid Sawn Flanged I-joist or C24 Solid Section	I-joist LVL flanges	Solid Sawn Flanged I-joist or C24 Solid Section	N4.0x100	N3.75x30
					Qty	Qty
LSU124/38	6.8	7.3	2.5	2.6	-	5.0
LSSU181/38	5.1	7.3	2.4	2.4	-	5.0
LSSU216/45	5.1	9.9	2.4	4	-	7.0
LSSU170/50	-	11.4	-	5.7	-	11.0
LSSU275/50	-	10.6	-	5.7	-	11.0
LSSU216/52	5.1	-	2.4	-	-	7.0
LSSU216/60	9.1	9.9	2.4	4	-	7.0
LSSU275/66	-	10.6	-	5.7	-	11.0
LSSU170/71	9.1	11.4	2.4	5.7	-	11.0
LSSU275/71	9.1	10.6	2.4	5.7	-	11.0
LSSU170/75	-	11.4	-	5.7	-	11.0
LSSU275/75	-	10.6	-	5.7	-	11.0
LSSU216/90	11.1	12.5	3	2.3	-	12.0
LSSU170/96	-	11.4	-	5.7	-	11.0
LSSU275/96	-	10.6	-	5.7	-	11.0
LSSU170/100	-	13.1	-	5.7	-	11.0
LSSU275/100	-	14.3	-	5.7	-	11.0

Technical Sheet

LSSU
Light Slope & Skew Adjustable Hangers



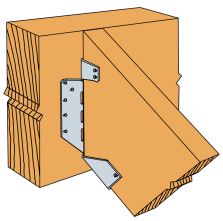
Product capacities - Timber to timber - skewed or sloped & skewed

Reference	Hanger capacity					
	Characteristic capacities - Timber to timber - Skewed or sloped & skewed					
	Number of Fasteners		Characteristic Capacities[kN]			
	Header	Joist	$R_{1,k}$		$R_{2,k}$	
	N4.0x100	N3.75x30	I-joist LVL Flanges	Solid Sawn Flanged I-joist or C24 Solid section	I-joist LVL Flanges	Solid Sawn Flanged I-joist or C24 Solid section
	Qty	Qty				
LSSU181/38	-	5.0	3.4	3.2	1.5	1.5
LSSU216/45	-	7.0	3.4	8.1	1.5	4
LSSU170/50	-	11.0	-	6.3	-	5.7
LSSU275/50	-	11.0	-	10.8	-	5.7
LSSU216/52	-	7.0	3.4	-	1.5	-
LSSU216/60	-	7.0	6.8	8.1	6.6	4
LSSU275/66	-	11.0	-	10.8	-	5.7
LSSU170/71	-	11.0	6.8	6.3	2.4	5.7
LSSU275/71	-	11.0	6.8	10.8	2.4	5.7
LSSU170/75	-	11.0	-	6.3	-	5.7
LSSU275/75	-	11.0	-	10.8	-	5.7
LSSU216/90	-	12.0	7.2	7.1	3	2.3
LSSU170/96	-	11.0	-	6.3	-	5.7
LSSU275/96	-	11.0	-	10.8	-	5.7
LSSU170/100	-	11.0	-	4.7	-	5.7
LSSU275/100	-	11.0	-	8.2	-	5.7

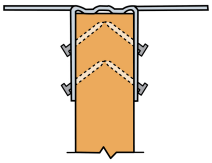
Installation

Fixing

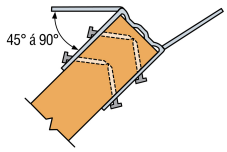
Obround holes allow skewed nailing if necessary.
The base must be blocked for a sloped configuration (principal rafter).



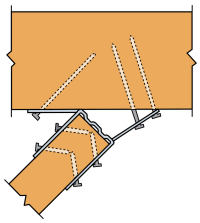
Sloped connection.



LSSU Installation



LSSU Installation



LSSU Installation

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