

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

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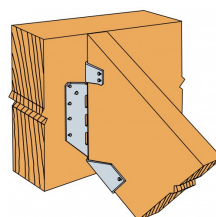
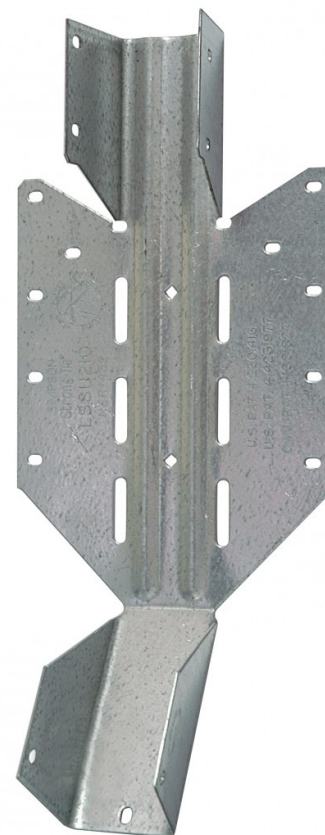
## Applications

### Suitable On

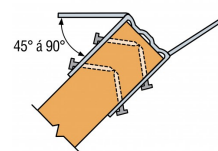
- Supporting member:** solid wood, composite lumber, glued-laminated wood, etc.
- Supported member:** I-beams, solid wood, composites, etc.

### When to Use

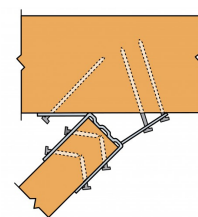
- Fastening of rafters
- Principal rafters
- Headers, etc.



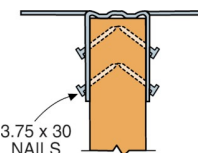
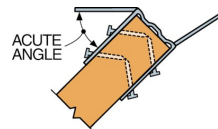
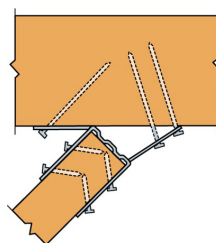
Sloped connection.



LSSU Installation



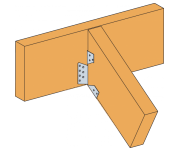
LSSU Installation



3.75 x 30 NAILS

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Light Slope & Skew Adjustable Hangers

## Technical Data



### Product Dimensions

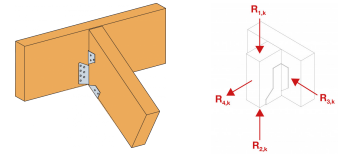
References	Joist Size [mm]			Product Dimensions [mm]					Header Holes				Joist Holes
	Width Max.	Height		A	B	C	D	t	Obrounds				Obrounds
		Min	Max.						Ø4x6	Ø5x17	Ø5x25	Ø5x44	Ø4x6
LSSU124/38	38	150	150	38	124	75	38	1.2	14	-	-	-	5
LSSU181/38	38	241	241	38	181	90	44	1.2	10	-	6	-	5
LSSU216/38	38	302	302	38	216	90	44	1.2	10	-	6	-	7
LSSU216/45	45	241	356	45	216	90	44	1.2	10	-	6	-	7
LSSU170/50	50	195	245	50	170	90	58	1.2	10	6	-	-	11
LSSU275/50	50	300	450	50	275	90	58	1.5	18	-	-	6	11
LSSU216/52	52	241	356	52	216	90	47	1.2	10	-	6	-	7
LSSU216/60	60	241	356	60	216	90	50	1.2	10	-	6	-	7
LSSU170/66	66	195	245	66	170	90	58	1.2	10	6	-	-	11
LSSU275/66	66	300	450	66	275	90	58	1.5	18	-	-	6	11
LSSU170/71	71	195	300	71	170	90	65	1.2	10	6	-	-	11
LSSU275/71	71	300	450	71	275	90	65	1.5	18	-	-	6	11
LSSU170/75	75	195	300	75	170	90	65	1.2	10	6	-	-	11
LSSU275/75	75	300	400	75	275	90	65	1.5	18	-	-	6	11
LSSU216/78	78	241	356	78	216	90	75	1.5	18	-	6	-	12
LSSU216/90	90	241	356	90	216	90	69	1.5	18	-	6	-	12
LSSU170/96	96	195	300	96	170	90	80	1.2	10	6	-	-	11
LSSU275/96	96	300	450	96	275	90	80	1.5	18	-	-	6	11
LSSU170/100	100	195	300	100	170	90	80	1.2	10	6	-	-	11
LSSU275/100	100	300	400	100	275	90	80	1.5	18	-	-	6	11
LSU228/105	105	241	356	105	229	90	59	2	24	-	-	-	16
LSU228/120	120	241	356	120	229	90	89	2	24	-	-	-	16

\* Bending in slope only  
SCL: Structural Composite Lumber

# Technical data sheet



## LSSU Light Slope & Skew Adjustable Hangers



Product capacities - Timber to timber -sloped only

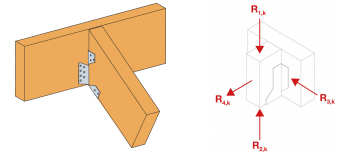
References	Number of Fasteners			Characteristic Capacities [kN]				Safe Workings Loads [kN]					
	Header		Joist	R <sub>1,k</sub>		R <sub>2,k</sub>		R <sub>1,SWL,Long term</sub>		R <sub>1,SWL,Medium Term</sub>		Short Term Uplift	
	N3.75x75	N4.0x100	N3.75x30	I-joint LVL flanges	Solid Sawn Flanged I-joint or C24 Solid Section	I-joint LVL flanges	Solid Sawn Flanged I-joint or C24 Solid Section	I-joint LVL flanges	Solid Sawn Flanged I-joint or C24 Solid section	I-joint LVL flanges	Solid Sawn Flanged I-joint or C24 Solid section	I-joint LVL flanges	Solid Sawn Flanged I-joint or C24 Solid section
	Qty	Qty	Qty										
LSU124/38	6	-	5	6.8	7.3	2.5	2.6	2.84	3.03	3.24	3.46	1.28	1.28
LSSU181/38	10	-	5	5.1	7.3	2.4	2.4	2.14	3.03	2.44	3.46	1.19	1.19
LSSU216/38	10	-	7	5.1	7.3	2.4	2.4	2.14	3.03	2.44	3.46	1.19	1.19
LSSU216/45	10	-	7	5.1	9.9	2.4	4	2.14	3.03	2.44	3.46	1.19	1.19
LSSU170/50	10	-	11	-	11.4	-	5.7	-	4.73	-	5.4	-	2.86
LSSU275/50	18	-	11	-	10.6	-	5.7	-	4.41	-	5.04	-	2.86
LSSU216/52	10	-	7	5.1	-	2.4	-	2.14	-	2.44	-	1.19	-
LSSU216/60	10	-	7	9.1	9.9	2.4	4	2.14	4.14	2.44	4.73	1.19	1.99
LSSU170/66	10	-	11	-	11.4	-	5.7	-	4.73	-	5.4	-	2.86
LSSU275/66	18	-	11	-	10.6	-	5.7	-	4.41	-	5.04	-	2.86
LSSU170/71	10	-	11	9.1	11.4	2.4	5.7	3.81	4.73	4.35	5.4	1.19	2.86
LSSU275/71	18	-	11	9.1	10.6	2.4	5.7	3.81	4.41	4.35	5.04	1.19	2.86
LSSU170/75	10	-	11	-	11.4	-	5.7	-	4.73	-	5.4	-	2.86
LSSU275/75	18	-	11	-	10.6	-	5.7	-	4.41	-	5.04	-	2.86
LSSU216/78	18	-	12	9.1	-	2.4	-	3.81	-	4.35	-	1.19	-
LSSU216/90	18	-	12	11.1	12.5	3.0	2.3	4.65	5.19	5.32	5.93	1.5	2.39
LSSU170/96	10	-	11	-	11.4	-	5.7	-	4.73	-	5.4	-	2.86
LSSU275/96	18	-	11	-	10.6	-	5.7	-	4.41	-	5.04	-	2.86
LSSU170/100	10	-	11	-	13.1	-	5.7	-	5.46	-	6.24	-	2.86
LSSU275/100	18	-	11	-	14.3	-	5.7	-	5.95	-	6.8	-	2.86
LSU228/105	-	24	16	11.1	-	6.0	-	4.65	-	5.32	-	2.99	-
LSU228/120	-	24	16	15.2	12.6	6.0	4.6	6.33	5.23	7.23	5.98	2.99	2.28

# Technical data sheet



## LSSU Light Slope & Skew Adjustable Hangers

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



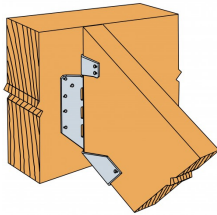
References	Number of Fasteners			Characteristic Capacities [kN]				Safe Working Loads [kN]					
	Header		Joist	R <sub>1,k</sub>		R <sub>2,k</sub>		R <sub>1.SWL.LongTerm</sub>		R <sub>1.SWL.MediumTerm</sub>		R <sub>2.SWL.ShortTerm</sub>	
	N3.75x75	N4.0x100	N3.75x30	I-joist LVL Flanges	Solid Sawn Flanged I-joist or C24 Solid section	I-joist LVL Flanges	Solid Sawn Flanged I-joist or C24 Solid section	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	I-joist LVL flanges	Solid Sawn Flanged I-joist or C24 Solid section
	Qty	Qty	Qty										
LSSU181/38	9	-	5	3.4	3.2	1.5	1.5	1.44	1.35	1.64	1.54	0.74	1.19
LSSU216/38	9	-	7	3.4	3.2	1.5	1.5	1.44	1.35	1.64	1.54	0.74	1.19
LSSU216/45	9	-	7	3.4	8.1	1.5	4.0	1.44	3.38	1.64	3.86	0.74	1.19
LSSU170/50	9	-	11	-	6.3	-	5.7	-	2.64	-	3.02	-	2.86
LSSU275/50	15	-	11	-	10.8	-	5.7	-	4.49	-	5.13	-	2.86
LSSU216/52	9	-	7	3.4	-	1.5	-	1.44	-	1.64	-	0.74	-
LSSU216/60	9	-	7	6.8	8.1	6.6	4.0	1.44	3.38	1.64	3.86	0.74	1.99
LSSU170/66	9	-	11	-	6.3	-	5.7	-	2.64	-	3.02	-	2.86
LSSU275/66	15	-	11	-	10.8	-	5.7	-	4.49	-	5.13	-	2.86
LSSU170/71	9	-	11	6.8	6.3	2.4	5.7	2.84	2.64	3.24	3.02	1.19	2.86
LSSU275/71	15	-	11	6.8	10.8	2.4	5.7	2.84	2.64	3.24	3.02	1.19	2.86
LSSU170/75	9	-	11	-	6.3	-	5.7	-	2.64	-	3.02	-	2.86
LSSU275/75	15	-	11	-	10.8	-	5.7	-	4.49	-	5.13	-	2.86
LSSU216/78	14	-	12	6.8	-	2.4	-	2.84	-	3.24	-	1.19	-
LSSU216/90	14	-	12	7.2	7.1	3.0	2.3	3	2.97	3.43	3.39	1.5	2.39
LSSU170/96	9	-	11	-	6.3	-	5.7	-	2.64	-	3.02	-	2.86
LSSU275/96	15	-	11	-	10.8	-	5.7	-	4.49	-	5.71	-	2.86
LSSU170/100	9	-	11	-	4.7	-	5.7	-	1.95	-	2.23	-	2.86
LSSU275/100	15	-	11	-	8.2	-	5.7	-	3.4	-	3.89	-	2.86
LSU228/105	-	24	16	7.2	-	3.0	-	3	-	3.43	-	1.5	-
LSU228/120	-	24	16	11.1	11.9	3.7	4.5	4.64	4.95	5.3	5.66	1.83	2.28

LSSU  
Light Slope & Skew Adjustable Hangers

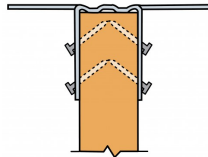
## Installation

### Fixing

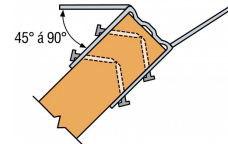
**Obround holes allow skewed nailing if necessary.  
The base must be blocked for a sloped configuration (principal rafter).**



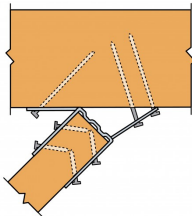
*Sloped connection.*



*LSSU Installation*



*LSSU Installation*



*LSSU Installation*

