LIU and LBI Stainless-Steel Joist Hangers

Corrosive environments or materials, such as ocean salt air, water or preservative-treated wood, can compromise the performance of even galvanized connectors and the structures they reinforce. Simpson Strong-Tie has expanded its stainless-steel joist hanger product line with the introduction of face-mount and top-flange stainless-steel solutions for I-joist applications.

The stainless-steel 18-gauge LIU series face-mount hangers and LBI series top-flange hangers provide a high level of corrosion resistance for common applications, such as structures near the ocean and decks with high retention levels of preservative treatment. Install stainless-steel connectors with stainless-steel fasteners from Simpson Strong-Tie.

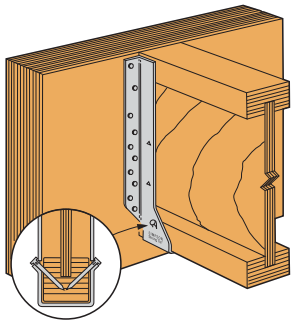
Features:

- Type 316L stainless steel provides the highest level of corrosion resistance
- Hanger sizes available to accommodate standard I-joist sections
- Load rated for use with stainless-steel fasteners
- Features Positive Angle Nailing (PAN), which minimizes splitting of the flanges while permitting time-saving nailing from a better angle

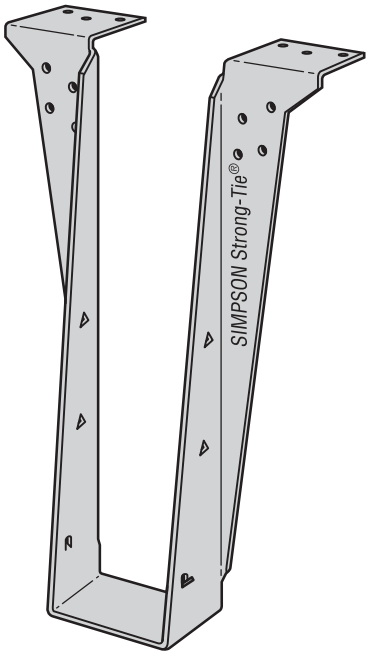
Material:

- Hangers: 18-gauge type 316L stainless steel
- Fasteners: 16d and 10d x1½" common type 316 stainless-steel nails

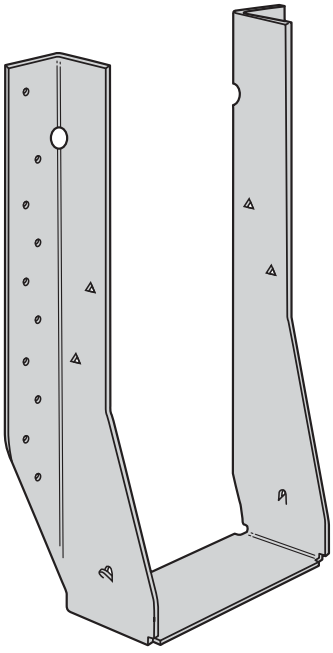
Additional corrosion information is available in the Simpson Strong-Tie® *Wood Construction Connectors* catalog.



LIU with typical PAN installation



LBI



LIU

LIU and LBI Stainless-Steel Joist Hangers

SIMPSON Strong-Tie®

Top Flange Hangers												
Model	Dimensions (in.)			Type 316 Stainless-Steel Fasteners[4]				DF/SP Allowable Loads (lbs.)			SPF/HF Allowable Loads (lbs.)		
	W	H	B	Top	Face	Joist		Uplift (160)		Download (100/115/125)	Uplift (160)		Download (100/115/125)
						Min	Max	Min	Max		Min	Max	
LBI1.81/9.5SS	1 13/16	9½	2½	(6) 16d	(8) 16d	(2) 10dx1½	(6) 10dx1½	280	905	2250	240	780	1935
LBI1.81/11.88SS	1 13/16	11 7/8	2½										
LBI1.81/14SS	1 13/16	14	2½										
LBI2.1/9.5SS	2 1/8	9½	2½										
LBI2.1/11.88SS	2 1/8	11 7/8	2½										
LBI2.1/14SS	2 1/8	14	2½										
LBI2.1/16SS	2 1/8	16	2½										
LBI2.37/9.5SS	2 3/8	9½	2½										
LBI2.37/11.88SS	2 3/8	11 7/8	2½										
LBI2.37/14SS	2 3/8	14	2½										
LBI2.37/16SS	2 3/8	16	2½										
LBI3.56/11.88SS	3 9/16	11 7/8	2½										
LBI3.56/14SS	3 9/16	14	2½										
LBI3.56/16SS	3 9/16	16	2½										

Face Mount Hangers									
Model	Dimensions (in.)			Type 316 Stainless-Steel Fasteners[2,4]		DF/SP Allowable Loads (lbs.)		SPF/HF Allowable Loads (lbs.)	
	W	H	B	Face	Joist	Uplift (160)	Download (100/115/125)	Uplift (160)	Download (100/115/125)
LIU1.81/9SS	1 13/16	8 13/16	2½	16-16d	(2) 10dx1½	170	2155	145	1855
LIU1.81/11SS	1 13/16	11 1/16	2½	20-16d			2400		2065
LIU1.81/14SS	1 13/16	13 5/16	2½	22-16d			2640		2270
LIU2.1/9SS	2 1/8	9	2½	16-16d			2155		1855
LIU2.1/11SS	2 1/8	11 1/16	2½	20-16d			2400		2065
LIU2.1/14SS	2 1/8	13½	2½	22-16d			2640		2270
LIU2.1/16SS	2 1/8	15½	2½	24-16d			2900		2495
LIU2.37/9SS	2 3/8	9	2½	16-16d			2155		1855
LIU2.37/11SS	2 3/8	11 1/16	2½	20-16d			2400		2065
LIU2.37/14SS	2 3/8	13½	2½	22-16d			2640		2270
LIU2.37/16SS	2 3/8	15½	2½	24-16d			2900		2495
LIU3.56/11SS	3 9/16	11 1/8	2½	20-16d			2400		2065
LIU3.56/14SS	3 9/16	13 5/16	2½	22-16d			2640		2270
LIU3.56/16SS	3 9/16	15 5/16	2½	24-16d			2900		2495

1. Uplift loads have been increased for wind or seismic with no further increase allowed. Reduce where other loads govern.
2. 10d common nails or 16d sinkers may be used instead of the specified 16d at 0.84 of the table value.
3. For min. uplift values, fill the PAN nail holes with 10dx1½ nails. For max uplift values, fill all (16) joist nail holes with 10dx1½ nails.
4. Fasteners: 16d = 0.162" dia x 3½" long, 10d x 1½ = 0.148" dia x 1½" long, use stainless-steel fasteners with stainless-steel connectors.

This flier is effective until June 30, 2013, and reflects information available as of May 1, 2011. This information is updated periodically and should not be relied upon after June 30, 2013; contact Simpson Strong-Tie for current information and limited warranty or see www.strongtie.com.

F-SSLIULBI11 5/11 exp. 6/13

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www.strongtie.com