

CONNECTOR SELECTION GUIDE

SIMPSON
Strong-Tie
®

FOR USE WITH PRODUCTS
MANUFACTURED BY:



This guide lists popular options for Simpson Strong-Tie® hangers used with engineered wood products. Not all available hanger and installation combinations are listed. Use in conjunction with the current Simpson Strong-Tie Canadian **Wood Construction Connectors** catalogue for detailed hanger information.



**LIMIT
STATES
DESIGN**

DISTRIBUTED BY:

800-999-5099
www.strongtie.com

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General Notes

- See current Canadian *Wood Construction Connectors* catalogue for Important Information and General Notes section and for hanger models, joist sizes, and header situations not shown. See pages 10-11 for installation information.
- Unless otherwise noted, factored resistances (downloads) listed address hanger/header/fastener limitations assuming header material is Douglas Fir-Larch, Spruce Pine Fir, Microllam® LVL, Parallam® PSL, or TimberStrand® LSL. Joist reaction should be checked by a qualified designer to ensure proper hanger selection.
- Factored uplift resistances (uplift) listed assume SPF joist and header for solid sawn flanges and DF for all others. Loads have been increased by 15% for earthquake and wind loading with no further increase allowed. Reduce according to code for normal duration loading such as cantilever construction.
- If hanger height is less than 60% of joist height, joist rotation may occur; see Prevent Rotation information below.
- Top flange hanger configuration and thickness of top flange need to be considered for flush frame conditions, see page 10.
- For this publication, carrying members are assumed to be at least 5½" tall for top flange hangers. The horizontal thickness of the carrying member must be at least the length of nail being used or the hanger top flange dimension, whichever is greater.
Exception: narrower carrying members may be used with face mount hangers but the horizontal thickness must be at least 1¼" for 10d nails; 2" for 16d nails. Clinch nails on back side.
- THAI hangers in this publication are based on a "top flange" installation and require that the carrying member have a horizontal thickness of at least 2½". Backer blocks are required when the header is a TJI® Joist. Install 4 top nails and 2 face nails. THAI hangers are not rated for uplift.
- NAILS:** 16d = 0.162" dia. x 3½" long
10d = 0.148" dia. x 3" long
10d x 1½" = 0.148" dia. x 1½" long

TJI® Joist Headers

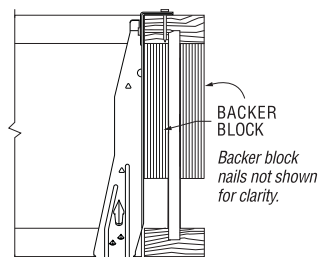
When supporting one TJI® Joist from another, backer blocks must be used. Backer blocks are to be made from plywood, OSB, or dimension lumber. The thickness of a backer block should be the same thickness as the void in the side of the TJI® Joist and a minimum of 12" wide. Attach with 10-10d common nails clinched as necessary, prior to installing the hanger. For Top Flange hangers, install backer blocks tight to top flange. For Face Mount hangers, install backer blocks tight to bottom flange. Refer to Trus Joist TJI® Joist literature for specific guidelines.

Top Flange Hangers:

Use 10d x 1½" nails for all Top Flange hangers attached to a TJI® Joist header. See table for factored resistance.

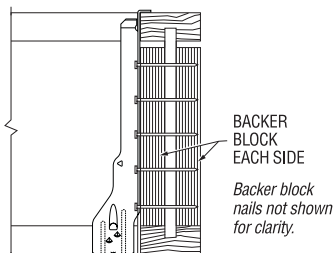
Model	I-Joist Header Flange Material ¹	
	DF/SCL	SPF
ITS	1375	1375
LT	1695	1695
MIT	1900	1900
LBV	2200	2200
BA	2420	2420

- For flanges with thicknesses from 1⅞" to 1¾", use 0.85 of the TJI® Joist header load. For flanges with thicknesses of 1¼", use 0.75 of the TJI® Joist header load.



Face Mount Hangers:

Nails that get less than 2 inches of penetration must be clinched on the back side. Double TJI® Joist headers must be attached together to act as a single unit.



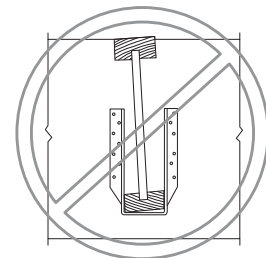
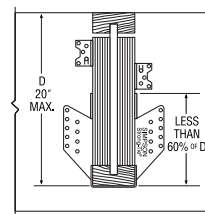
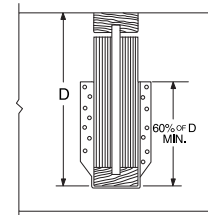
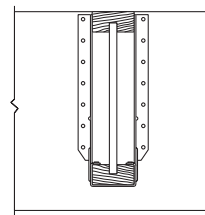
Sloped Joists:

For joists sloped up to ¼:12, there is no reduction of load. For slopes greater than ¼:12, see table.

Sloped Joist		
Model	Slope	Reduction
ITS, IUS, MIT, MIU, LBV, B, HB, BA	up to ¼:12	10%
WP, HW	up to ¼:12	15%

Prevent Rotation

Hangers provide some joist rotation resistance; however, additional lateral restraint may be required for deep joists.



HOW TO PICK A HANGER



Follow these simple steps to choose your hanger:
(For TJI® header, see page 2)

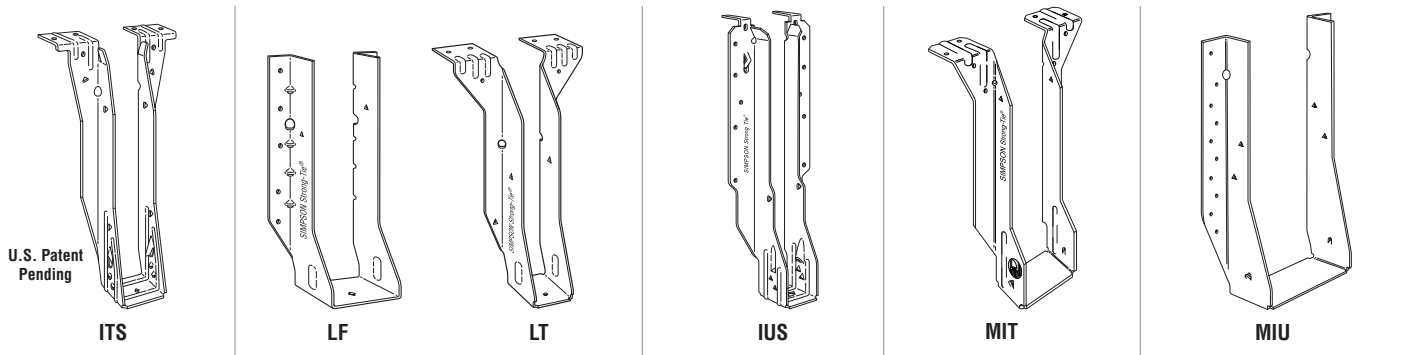
1	Find your joist type in this guide. (Single TJI® Joist, Double TJI® Joist, Beam, etc.)
2	Locate your connector type in the table. <ul style="list-style-type: none">• Face mount, top flange, skewed, sloped, etc.
3	Select a hanger from the table.
4	Confirm that your factored joist reaction is less than the hanger factored resistance.
5	Check to see if the bearing length “B dim” meets the bearing length requirement of the TJI® Joist. If yes, you have successfully selected your hanger.
	If you did not find a suitable hanger; Please see the current <i>Wood Construction Connectors</i> catalogue or call Simpson Strong-Tie at (800) 999-5099. You will need the following information: <ul style="list-style-type: none">• Download• Uplift• Header condition• Bearing length requirement

SINGLE TJI® JOISTS – Canadian/Factored Resistance (lbs)



Joist Height	Top Flange						Face Mount (Snap-In)						Face Mount											
	Model	B Dim	Fastener Type		Uplift (115)	DownLoad DF SPF	Model	B Dim	Fastener Type		Uplift (115)	DownLoad DF SPF	Model	B Dim	Fastener Type		Uplift (115)	DownLoad DF SPF						
			Header	Joist					Header	Joist					Header	Joist								
TJI® 110																			Joist Width 1 3/4"					
9 1/2	LT179	2	6-10d	1-#8x1 1/4 WS	105	2625	1725	IUS1.81/9.5	2	8-10d	—	145	2385	1690	LF179	2	10-10d	1-#8x1 1/4 WS	105	2525	2155			
11 7/8	LT171188	2	6-10d	1-#8x1 1/4 WS	105	2625	1725	IUS1.81/11.88	2	10-10d	—	145	2565	1820	LF1711	2	12-10d	1-#8x1 1/4 WS	105	2845	2155			
14	LT1714	2	6-10d	1-#8x1 1/4 WS	105	2625	1725	IUS1.81/14	2	12-10d	—	145	2565	1820	LF1714	2	14-10d	1-#8x1 1/4 WS	105	2845	2155			
TJI® 210																			Joist Width 2 1/16"					
9 1/2	ITS2.06/9.5	2	6-10d	—	175	2235	1690	IUS2.06/9.5	2	8-10d	—	145	2385	1690	See Canadian Wood Construction Connectors catalogue for hanger selection.									
11 7/8	ITS2.06/11.88	2	6-10d	—	175	2235	1690	IUS2.06/11.88	2	10-10d	—	145	2565	1820										
14	ITS2.06/14	2	6-10d	—	175	2235	1690	IUS2.06/14	2	12-10d	—	145	2565	1820										
16	LBV2.1/16	2 1/2	10-16d	2-10dx1 1/2	435	3905	3125	IUS2.06/16	2	14-10d	—	145	2725	1935										
TJI® 230																			Joist Width 2 5/16"					
9 1/2	LT239	2	6-10d	1-#8x1 1/4 WS	105	2625	1725	IUS2.37/9.5	2	8-10d	—	145	2385	1690	LF239	2	10-10d	1-#8x1 1/4 WS	105	2525	2155			
11 7/8	LT231188	2	6-10d	1-#8x1 1/4 WS	105	2625	1725	IUS2.37/11.88	2	10-10d	—	145	2565	1820	LF2311	2	12-10d	1-#8x1 1/4 WS	105	2880	2270			
14	LT2314	2	6-10d	1-#8x1 1/4 WS	105	2625	1725	IUS2.37/14	2	12-10d	—	145	2565	1820	LF2314	2	14-10d	1-#8x1 1/4 WS	105	3235	2385			
16	LT2316	2	6-10d	1-#8x1 1/4 WS	105	2625	1725	IUS2.37/16	2	14-10d	—	145	2725	1935	MIU2.37/16	2 1/2	24-16d	2-10dx1 1/2	450	4695	3485			
TJI® 360																			Joist Width 2 5/16"					
9 1/2	LT239	2	6-10d	1-#8x1 1/4 WS	105	2625	1725	IUS2.37/9.5	2	8-10d	—	145	2385	1690	LF239	2	10-10d	1-#8x1 1/4 WS	105	2525	2155			
11 7/8	LT231188	2	6-10d	1-#8x1 1/4 WS	105	2625	1725	IUS2.37/11.88	2	10-10d	—	145	2565	1820	LF2311	2	12-10d	1-#8x1 1/4 WS	105	2880	2270			
14	LT2314	2	6-10d	1-#8x1 1/4 WS	105	2625	1725	IUS2.37/14	2	12-10d	—	145	2565	1820	LF2314	2	14-10d	1-#8x1 1/4 WS	105	3235	2385			
16	LT2316	2	6-10d	1-#8x1 1/4 WS	105	2625	1725	IUS2.37/16	2	14-10d	—	145	2725	1935	MIU2.37/16	2 1/2	24-16d	2-10dx1 1/2	450	4695	3485			
18	MIT3518	2 1/2	8-16d	2-10dx1 1/2	450	3490	2420	No IUS hangers for these depths.						MIU2.37/18	2 1/2	26-16d	2-10dx1 1/2	450	4695	3485				
20	MIT3520	2 1/2	8-16d	2-10dx1 1/2	450	3490	2420	No IUS hangers for these depths.						MIU2.37/20	2 1/2	28-16d	2-10dx1 1/2	450	4695	3485				
TJI® s31, TJI® s33																			Joist Width 2 1/2"					
9 1/2	LT259	2	6-10d	1-#8x1 1/4 WS	105	2625	1725	IUS2.56/9.5	2	8-10d	—	105	2385	1690	LF259	2	10-10d	1-#8x1 1/4 WS	105	2525	2155			
11 7/8	LT251188	2	6-10d	1-#8x1 1/4 WS	105	2625	1725	IUS2.56/11.88	2	10-10d	—	105	2565	1820	LF2511	2	12-10d	1-#8x1 1/4 WS	105	2880	2270			
14	LT2514	2	6-10d	1-#8x1 1/4 WS	105	2625	1725	IUS2.56/14	2	12-10d	—	105	2565	1820	LF2514	2	14-10d	1-#8x1 1/4 WS	105	3235	2385			
16	LT2516	2	6-10d	1-#8x1 1/4 WS	105	2625	1725	IUS2.56/16	2	14-10d	—	105	2725	1935	MIU2.56/16	2 1/2	24-16d	2-10dx1 1/2	410	4930	3485			
TJI® 560, s47																			Joist Width 3 1/2"					
9 1/2	LT359	2	6-10d	2-#8x1 1/4 WS	105	2625	1725	IUS3.56/9.5	2	10-10d	—	105	2370	1685	LF359	2	10-10d	2-#8x1 1/4 WS	105	2525	2155			
11 7/8	LT351188	2	6-10d	2-#8x1 1/4 WS	105	2625	1725	IUS3.56/11.88	2	12-10d	—	105	2370	1685	LF3511	2	12-10d	2-#8x1 1/4 WS	105	2880	2270			
14	LT3514	2	6-10d	2-#8x1 1/4 WS	105	2625	1725	IUS3.56/14	2	12-10d	—	105	2370	1685	LF3514	2	14-10d	2-#8x1 1/4 WS	105	3235	2385			
16	LT3516	2	6-10d	2-#8x1 1/4 WS	105	2625	1725	IUS3.56/16	2	14-10d	—	105	2370	1685	MIU3.56/16	2 1/2	24-16d	2-10dx1 1/2	410	4930	3485			
18	MIT418	2 1/2	8-16d	2-10dx1 1/2	320	3490	2420	No IUS hangers for these depths.						MIU3.56/18	2 1/2	26-16d	2-10dx1 1/2	410	4930	3485				
20	MIT420	2 1/2	8-16d	2-10dx1 1/2	320	3490	2420	No IUS hangers for these depths.						MIU3.56/20	2 1/2	28-16d	2-10dx1 1/2	410	4930	3485				

1. Shaded hangers require web stiffeners at joist ends. Web stiffeners may be required by Trus Joist for non-shaded hangers.
2. Some joists are not available in every height shown. Check Weyerhaeuser literature for availability.
3. The B Dim is the length of the hanger seat.
4. WS = wood screw.



ITS – 18 gauge
The ITS top flange hanger with its Strong-Grip™ seat and Funnel Flange™ installs faster than any other top flange hanger. Joist nails are not required.

LF – 18 gauge
LT – 18 gauge
The LF and LT series feature fast and easy installation. No web stiffeners required and only one screw secures joist in hanger.

IUS – 18 gauge
The IUS is a new hybrid hanger that incorporates the advantages of face-mount and top-flange hangers. Joist nails are not required.

MIT – 16 gauge
The MIT's Positive Angle Nailing helps prevent the TJI® Joist bottom flange from splitting. Features uplift capacity and extended seat design (to allow installation of slightly undercut joists).

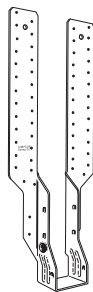
MIU – 16 gauge
The MIU series features 16 gauge steel and extra nailing for higher loads than the LF.

SINGLE TJI® JOISTS – Canadian/Factored Resistance (lbs)



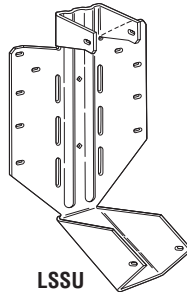
Joist Height	Adjustable Height								Field Slope & Skew						45° Skew											
	Model	B Dim	Fastener Type			Uplift (115)	DownLoad		Model	B Dim	Fastener Type		Uplift (115)	DownLoad		Model	B Dim	Fastener Type		Uplift (115)	DownLoad					
			Header Top	Header Face	Joist		DF	SPF			Header	Joist		DF	SPF			Header	Joist		DF	SPF				
TJI® 110																										
Joist Width 1 3/4"																										
9 1/2	THAI1.81/22	2 1/4	4-10d	2-10d	2-10dx1 1/2	—	3000	2385	LSSUI25	3 1/2	9-10d	7-10dx1 1/2	1240	2090	1485	SUR/L1.81/9	3	12-16d	2-10dx1 1/2	275	3140	2220				
11 7/8	THAI1.81/22	2 1/4	4-10d	2-10d	2-10dx1 1/2	—	3000	2385	LSSUI25	3 1/2	9-10d	7-10dx1 1/2	1240	2090	1485	SUR/L1.81/11	3	16-16d	2-10dx1 1/2	275	3140	2220				
14	THAI1.81/22	2 1/4	4-10d	2-10d	2-10dx1 1/2	—	3000	2385	LSSUI25	3 1/2	9-10d	7-10dx1 1/2	1240	2090	1485	SUR/L1.81/14	3	20-16d	2-10dx1 1/2	275	3140	2220				
TJI® 210																										
Joist Width 2 1/16"																										
9 1/2	THAI2.1/22	2 1/4	4-10d	2-10d	2-10dx1 1/2	—	3000	2385	LSSU2.1	3 1/2	9-10d	7-10dx1 1/2	1240	2090	1485	SUR/L2.1/9	3 3/16	14-16d	2-10dx1 1/2	385	3950	2805				
11 7/8	THAI2.1/22	2 1/4	4-10d	2-10d	2-10dx1 1/2	—	3000	2385	LSSU2.1	3 1/2	9-10d	7-10dx1 1/2	1240	2090	1485	SUR/L2.1/11	3 3/16	16-16d	2-10dx1 1/2	385	3950	2805				
14	THAI2.1/22	2 1/4	4-10d	2-10d	2-10dx1 1/2	—	3000	2385	LSSU2.1	3 1/2	9-10d	7-10dx1 1/2	1240	2090	1485	SUR/L2.1/14	3 3/16	18-16d	2-10dx1 1/2	385	3950	2805				
16	See Canadian Wood Construction Connectors catalogue for hanger selection.								See Canadian Wood Construction Connectors catalogue for hanger selection.						SUR/L2.1/14						3 3/16	18-16d	2-10dx1 1/2	385	3950	2805
TJI® 230																										
Joist Width 2 5/16"																										
9 1/2	THAI3522	2 1/4	4-10d	2-10d	2-10dx1 1/2	—	3000	2385	LSSUI35	3 1/2	9-10d	7-10dx1 1/2	1240	2090	1485	SUR/L2.37/9	3 3/16	14-16d	2-10dx1 1/2	385	3950	2805				
11 7/8	THAI3522	2 1/4	4-10d	2-10d	2-10dx1 1/2	—	3000	2385	LSSUI35	3 1/2	9-10d	7-10dx1 1/2	1240	2090	1485	SUR/L2.37/11	3 3/16	16-16d	2-10dx1 1/2	385	3950	2805				
14	THAI3522	2 1/4	4-10d	2-10d	2-10dx1 1/2	—	3000	2385	LSSUI35	3 1/2	9-10d	7-10dx1 1/2	1240	2090	1485	SUR/L2.37/14	3 3/16	18-16d	2-10dx1 1/2	385	3950	2805				
16	See Canadian Wood Construction Connectors catalogue for hanger selection.								See Canadian Wood Construction Connectors catalogue for hanger selection.						SUR/L2.37/14						3 3/16	18-16d	2-10dx1 1/2	385	3950	2805
TJI® 360																										
Joist Width 2 5/16"																										
9 1/2	THAI3522	2 1/4	4-10d	2-10d	2-10dx1 1/2	—	3000	2385	LSSUI35	3 1/2	9-10d	7-10dx1 1/2	1240	2090	1485	SUR/L2.37/9	3 3/16	14-16d	2-10dx1 1/2	385	3950	2805				
11 7/8	THAI3522	2 1/4	4-10d	2-10d	2-10dx1 1/2	—	3000	2385	LSSUI35	3 1/2	9-10d	7-10dx1 1/2	1240	2090	1485	SUR/L2.37/11	3 3/16	16-16d	2-10dx1 1/2	385	3950	2805				
14	THAI3522	2 1/4	4-10d	2-10d	2-10dx1 1/2	—	3000	2385	LSSUI35	3 1/2	9-10d	7-10dx1 1/2	1240	2090	1485	SUR/L2.37/14	3 3/16	18-16d	2-10dx1 1/2	385	3950	2805				
16	See Canadian Wood Construction Connectors catalogue for hanger selection.								See Canadian Wood Construction Connectors catalogue for hanger selection.						SUR/L2.37/14						3 3/16	18-16d	2-10dx1 1/2	385	3950	2805
18															SUR/L2.37/14						3 3/16	18-16d	2-10dx1 1/2	385	3950	2805
20															SUR/L2.37/14						3 3/16	18-16d	2-10dx1 1/2	385	3950	2805
TJI® s31, TJI® s33																										
Joist Width 2 1/2"																										
9 1/2	THAI322	2 1/4	4-10d	2-10d	2-10dx1 1/2	—	3000	2385	LSSUH310	3 1/2	14-16d	12-10dx1 1/2	1155	2620	1860	SUR/L2.56/9	3 3/16	14-16d	2-10dx1 1/2	385	3950	2805				
11 7/8	THAI322	2 1/4	4-10d	2-10d	2-10dx1 1/2	—	3000	2385	LSSUH310	3 1/2	14-16d	12-10dx1 1/2	1155	2620	1860	SUR/L2.56/11	3 3/16	16-16d	2-10dx1 1/2	385	3950	2805				
14	THAI322	2 1/4	4-10d	2-10d	2-10dx1 1/2	—	3000	2385	LSSUH310	3 1/2	14-16d	12-10dx1 1/2	1155	2620	1860	SUR/L2.56/14	3 3/16	18-16d	2-10dx1 1/2	385	3950	2805				
16	See Canadian Wood Construction Connectors catalogue for hanger selection.								See Canadian Wood Construction Connectors catalogue for hanger selection.						SUR/L2.56/14						3 3/16	18-16d	2-10dx1 1/2	385	3950	2805
TJI® 560, s47																										
Joist Width 3 1/2"																										
9 1/2	THAI422	2 1/4	4-10d	2-10d	2-10dx1 1/2	—	3000	2385	LSSU410	3 1/2	14-16d	12-10dx1 1/2	1155	3055	2170	SUR/L410	2 5/8	14-16d	6-16d	1540	4065	2875				
11 7/8	THAI422	2 1/4	4-10d	2-10d	2-10dx1 1/2	—	3000	2385	LSSU410	3 1/2	14-16d	12-10dx1 1/2	1155	3055	2170	SUR/L410	2 5/8	14-16d	6-16d	1540	4065	2875				
14	THAI422	2 1/4	4-10d	2-10d	2-10dx1 1/2	—	3000	2385	LSSU410	3 1/2	14-16d	12-10dx1 1/2	1155	3055	2170	SUR/L414	2 5/8	18-16d	8-16d	2090	4095	2895				
16	See Canadian Wood Construction Connectors catalogue for hanger selection.								See Canadian Wood Construction Connectors catalogue for hanger selection.						SUR/L414						2 5/8	18-16d	8-16d	2090	4095	2895
18															SUR/L414						2 5/8	18-16d	8-16d	2090	4095	2895
20															SUR/L414						2 5/8	18-16d	8-16d	2090	4095	2895

1. See footnotes on page 4.



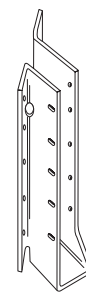
THAI

THAI – 18 gauge
This hanger has extra long straps and can be field-formed to give height adjustability and top flange hanger convenience. Positive angle nailing helps minimize splitting of the TJI® Joist's bottom flange. Minimum nailing is shown in the table above. Strap must be field-formed over the top of the header by a minimum of 2 1/2". Web stiffeners required when used with I-joists.



LSSU

LSSU, LSSUI – 18 gauge
LSSU210-2, LSSU410, and LSSUH310 – 16 gauge
LSU – 14 gauge
LSSU models provide uplift capacity and can be field sloped and/or skewed to 45°. Web stiffeners required when used with TJI® Joists; cut web stiffener to match angle on sloped conditions.



SUR

SUR/L, SUR/LI – 16 gauge
HSUR/L – 14 gauge
All models are skewed 45°. Normally accommodates a 40° - 50° skew. The installation of these hangers does not require a beveled end cut.

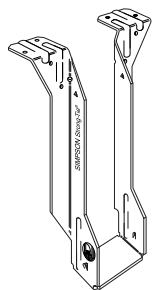
DOUBLE TJI® JOISTS – Canadian/Factored Resistance (lbs)



Joist Height	Top Flange						Face Mount						45° Skew								
	Model	B Dim	Nails		Uplift (115)	DownLoad DF SPF	Model	B Dim	Nails		Uplift (115)	DownLoad DF SPF	Model	B Dim	Nails		Uplift (115)	DownLoad DF SPF			
			Header	Joist					Header	Joist					Header	Joist					
Double TJI® 110																					
Joist Width 3 1/2"																					
9 1/2	MIT49.5	2 1/2	8-16d	2-10dx1 1/2	450	3490	2420	LF359	2	10-10d	2-#8x1 1/4 WS	105	2525	2155	SUR/L410	2%	14-16d	6-16d	1695	4065	2875
11 7/8	MIT411.88	2 1/2	8-16d	2-10dx1 1/2	450	3490	2420	LF3511	2	12-10d	2-#8x1 1/4 WS	105	2880	2270	SUR/L410	2%	14-16d	6-16d	1695	4065	2875
14	MIT414	2 1/2	8-16d	2-10dx1 1/2	450	3490	2420	LF3514	2	14-10d	2-#8x1 1/4 WS	105	3235	2385	SUR/L414	2%	18-16d	8-16d	2265	4095	2895
Double TJI® 210																					
Joist Width 4 1/8"																					
9 1/2	MIT4.28/9.5	2 1/2	8-16d	2-10dx1 1/2	450	3490	2420	MIU4.28/9	2 1/2	16-16d	2-10dx1 1/2	450	4550	3230	HSUR/L4.28/9	2%	12-16d	2-10dx1 1/2	275	2995	2350
11 7/8	MIT4.28/11.88	2 1/2	8-16d	2-10dx1 1/2	450	3490	2420	MIU4.28/11	2 1/2	20-16d	2-10dx1 1/2	450	4550	3230	HSUR/L4.28/11	2%	16-16d	2-10dx1 1/2	275	4190	2965
14	MIT4.28/14	2 1/2	8-16d	2-10dx1 1/2	450	3490	2420	MIU4.28/14	2 1/2	22-16d	2-10dx1 1/2	450	4930	3485	HSUR/L4.28/14	2%	16-16d	2-10dx1 1/2	275	4190	2965
16	LBV4.28/16	2 1/2	10-16d	2-10dx1 1/2	435	3905	3125	MIU4.28/16	2 1/2	24-16d	2-10dx1 1/2	450	4930	3485	HSUR/L4.28/16	2%	16-16d	2-10dx1 1/2	275	4190	2965
Double TJI® 230																					
Joist Width 4 5/8"																					
9 1/2	MIT359.5-2	2 1/2	8-16d	2-10dx1 1/2	450	3490	2420	MIU4.75/9	2 1/2	16-16d	2-10dx1 1/2	450	4550	3230	HSUR/L4.75/9	2%	12-16d	2-10dx1 1/2	275	2995	2350
11 7/8	MIT3511.88-2	2 1/2	8-16d	2-10dx1 1/2	450	3490	2420	MIU4.75/11	2 1/2	20-16d	2-10dx1 1/2	450	4550	3230	HSUR/L4.75/11	2%	16-16d	2-10dx1 1/2	275	4190	2965
14	MIT3514-2	2 1/2	8-16d	2-10dx1 1/2	450	3490	2420	MIU4.75/14	2 1/2	22-16d	2-10dx1 1/2	450	4930	3485	HSUR/L4.75/14	2%	20-16d	2-10dx1 1/2	275	4190	2965
16	MIT4.75/16	2 1/2	8-16d	2-10dx1 1/2	450	3490	2420	MIU4.75/16	2 1/2	24-16d	2-10dx1 1/2	450	4930	3485	HSUR/L4.75/16	2%	24-16d	2-10dx1 1/2	275	4190	2965
Double TJI® 360																					
Joist Width 4 5/8"																					
9 1/2	MIT359.5-2	2 1/2	8-16d	2-10dx1 1/2	450	3490	2420	MIU4.75/9	2 1/2	16-16d	2-10dx1 1/2	450	4550	3230	HSUR/L4.75/9	2%	12-16d	2-10dx1 1/2	275	2995	2350
11 7/8	MIT3511.88-2	2 1/2	8-16d	2-10dx1 1/2	450	3490	2420	MIU4.75/11	2 1/2	20-16d	2-10dx1 1/2	450	4550	3230	HSUR/L4.75/11	2%	16-16d	2-10dx1 1/2	275	4190	2965
14	MIT3514-2	2 1/2	8-16d	2-10dx1 1/2	450	3490	2420	MIU4.75/14	2 1/2	22-16d	2-10dx1 1/2	450	4930	3485	HSUR/L4.75/14	2%	20-16d	2-10dx1 1/2	275	4190	2965
16	MIT4.75/16	2 1/2	8-16d	2-10dx1 1/2	450	3490	2420	MIU4.75/16	2 1/2	24-16d	2-10dx1 1/2	450	4930	3485	HSUR/L4.75/16	2%	24-16d	2-10dx1 1/2	275	4190	2965
18	LBV4.75/18	2 1/2	10-16d	2-10dx1 1/2	435	3905	3125	MIU4.75/18	2 1/2	26-16d	2-10dx1 1/2	450	4930	3485	HSUR/L4.75/18	2%	24-16d	2-10dx1 1/2	275	4190	2965
20	LBV4.75/20	2 1/2	10-16d	2-10dx1 1/2	435	3905	3125	MIU4.75/20	2 1/2	28-16d	2-10dx1 1/2	450	4930	3485	HSUR/L4.75/20	2%	24-16d	2-10dx1 1/2	275	4190	2965
Double TJI® s31, TJI® s33																					
Joist Width 5"																					
9 1/2	MIT39.5-2	2 1/2	8-16d	2-10dx1 1/2	450	3490	2420	MIU5.12/9	2 1/2	16-16d	2-10dx1 1/2	450	4550	3230	HSUR/L5.12/9	2 13/16%	12-16d	2-10dx1 1/2	275	2995	2350
11 7/8	MIT311.88-2	2 1/2	8-16d	2-10dx1 1/2	450	3490	2420	MIU5.12/11	2 1/2	20-16d	2-10dx1 1/2	450	4550	3230	HSUR/L5.12/11	2 13/16%	16-16d	2-10dx1 1/2	275	4190	2965
14	MIT314-2	2 1/2	8-16d	2-10dx1 1/2	450	3490	2420	MIU5.12/14	2 1/2	22-16d	2-10dx1 1/2	450	4930	3485	HSUR/L5.12/14	2 13/16%	20-16d	2-10dx1 1/2	275	4190	2965
16	MIT5.12/16	2 1/2	8-16d	2-10dx1 1/2	450	3490	2420	MIU5.12/16	2 1/2	24-16d	2-10dx1 1/2	450	4930	3485	HSUR/L5.12/16	2 13/16%	24-16d	2-10dx1 1/2	275	4190	2965
Double TJI® 560, s47																					
Joist Width 7"																					
9 1/2	B7.12/9.5	2 1/2	14-16d	6-16d	1170	5940	3910	HU410-2	2 1/2	14-16d	6-16d	1710	5780	4225	HU410-2X ²	2 1/2	14-16d	6-16d	1280	3755	2745
11 7/8	B7.12/11.88	2 1/2	14-16d	6-16d	1170	5940	3910	HU412-2	2 1/2	16-16d	6-16d	1710	5780	4225	HU412-2X ²	2 1/2	16-16d	6-16d	1280	3755	2745
14	B7.12/14	2 1/2	14-16d	6-16d	1170	5940	3910	HU414-2	2 1/2	20-16d	8-16d	2280	5780	4690	HU414-2X ²	2 1/2	20-16d	8-16d	1710	3755	3045
16	B7.12/16	2 1/2	14-16d	6-16d	1170	5940	3910	HU414-2	2 1/2	20-16d	8-16d	2280	5780	4690	HU414-2X ²	2 1/2	20-16d	8-16d	1710	3755	3045
18	B7.12/18	2 1/2	14-16d	6-16d	1170	5940	3910	HU414-2	2 1/2	20-16d	8-16d	2280	5780	4690	HU414-2X ²	2 1/2	20-16d	8-16d	1710	3755	3045
20	B7.12/20	2 1/2	14-16d	6-16d	1170	5940	3910	HU414-2	2 1/2	20-16d	8-16d	2280	5780	4690	HU414-2X ²	2 1/2	20-16d	8-16d	1710	3755	3045

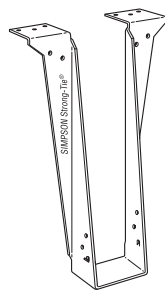
- Shaded hangers require web stiffeners at joist ends. Web stiffeners may be required by Trus Joist for non-shaded hangers.
- Skewed option must be special ordered. Specify skew angle and direction (e.g. HU412-2X SKR45°).
- LSU4.12, LSU4.28, LSU5.12, and LSU3510-2 are field sloped only. Skewed option must be special ordered. Specify skew angle.

- THAI-2 must be special ordered. Specify width between 3 1/8" and 5 1/8".
- See page 2, note 2 for header definitions.
- The B Dim is the length of the hanger seat.
- WS = wood screw.



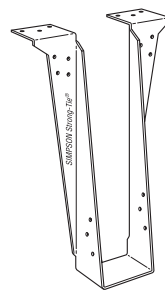
MIT

MIT – 16 gauge
The MIT's Positive Angle Nailing helps minimize splitting of the TJI® Joists' bottom flange. Features uplift capacity and extended seat design (to allow installation of slightly undercut joists).



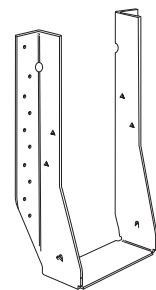
LBV

LBV – 14 gauge
The LBV is designed especially for use with multiple ply headers 1 1/2" to 1 3/4" thick, and may be used for weld-on applications.



B

B – 12 gauge
The B series offers versatility for TJI® Joists and SCL lumber. Enhanced load capacity widens the range of applications for these hangers.



MIU

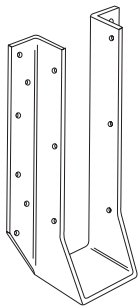
MIU – 16 gauge
The MIU series features 16 gauge steel and extra nailing for higher loads than the LF.

DOUBLE TJI® JOISTS – Canadian/Factored Resistance (lbs)



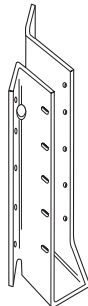
Joist Height	Adjustable Height								Field Slope & Skew						
	Model	B Dim	Nails			Uplift (115)	DownLoad		Model	B Dim	Nails		Uplift (115)	DownLoad	
			Header Top	Header Face	Joist		DF	SPF			Header	Joist		DF	SPF
Double TJI® 110								Joist Width 3 1/2"							
9 1/2	THAI422	2 1/4	4-10d	2-10d	2-10dx1 1/2	—	3000	2385	LSSU410	3 1/2	14-16d	12-10dx1 1/2	1625	3055	2170
11 7/8	THAI422	2 1/4	4-10d	2-10d	2-10dx1 1/2	—	3000	2385	LSSU410	3 1/2	14-16d	12-10dx1 1/2	1625	3055	2170
14	THAI422	2 1/4	4-10d	2-10d	2-10dx1 1/2	—	3000	2385	LSSU410	3 1/2	14-16d	12-10dx1 1/2	1625	3055	2170
Double TJI® 210								Joist Width 4 1/8"							
9 1/2	THAI-2 ⁴	2 1/2	4-10d	2-10d	2-10dx1 1/2	—	2800	2800	LSU4.28 ³	3 1/2	24-16d	16-10dx1 1/2	1960	3765	2675
11 7/8	THAI-2 ⁴	2 1/2	4-10d	2-10d	2-10dx1 1/2	—	2800	2800	LSU4.28 ³	3 1/2	24-16d	16-10dx1 1/2	1960	3765	2675
14	THAI-2 ⁴	2 1/2	4-10d	2-10d	2-10dx1 1/2	—	2800	2800	LSU4.28 ³	3 1/2	24-16d	16-10dx1 1/2	1960	3765	2675
16	See Canadian <i>Wood Construction Connectors</i> catalogue for hanger selection.								See Canadian <i>Wood Construction Connectors</i> catalogue for hanger selection.						
Double TJI® 230								Joist Width 4 5/8"							
9 1/2	THAI-2 ⁴	2 1/2	4-10d	2-10d	2-10dx1 1/2	—	2800	2800	LSU3510-2 ³	3 1/2	24-16d	16-10dx1 1/2	1960	3765	2675
11 7/8	THAI-2 ⁴	2 1/2	4-10d	2-10d	2-10dx1 1/2	—	2800	2800	LSU3510-2 ³	3 1/2	24-16d	16-10dx1 1/2	1960	3765	2675
14	THAI-2 ⁴	2 1/2	4-10d	2-10d	2-10dx1 1/2	—	2800	2800	LSU3510-2 ³	3 1/2	24-16d	16-10dx1 1/2	1960	3765	2675
16	See Canadian <i>Wood Construction Connectors</i> catalogue for hanger selection.								See Canadian <i>Wood Construction Connectors</i> catalogue for hanger selection.						
Double TJI® 360								Joist Width 4 5/8"							
9 1/2	THAI-2 ⁴	2 1/2	4-10d	2-10d	2-10dx1 1/2	—	2800	2800	LSU3510-2 ³	3 1/2	24-16d	16-10dx1 1/2	1960	3765	2675
11 7/8	THAI-2 ⁴	2 1/2	4-10d	2-10d	2-10dx1 1/2	—	2800	2800	LSU3510-2 ³	3 1/2	24-16d	16-10dx1 1/2	1960	3765	2675
14	THAI-2 ⁴	2 1/2	4-10d	2-10d	2-10dx1 1/2	—	2800	2800	LSU3510-2 ³	3 1/2	24-16d	16-10dx1 1/2	1960	3765	2675
16	See Canadian <i>Wood Construction Connectors</i> catalogue for hanger selection.								See Canadian <i>Wood Construction Connectors</i> catalogue for hanger selection.						
18															
20															
Double TJI® s31, TJI® s33								Joist Width 5"							
9 1/2	THAI-2 ⁴	2 1/2	4-10d	2-10d	2-10dx1 1/2	—	2800	2800	LSU5.12 ³	3 1/2	24-16d	16-10dx1 1/2	910	2600	1845
11 7/8	THAI-2 ⁴	2 1/2	4-10d	2-10d	2-10dx1 1/2	—	2800	2800	LSU5.12 ³	3 1/2	24-16d	16-10dx1 1/2	910	2600	1845
14	THAI-2 ⁴	2 1/2	4-10d	2-10d	2-10dx1 1/2	—	2800	2800	LSU5.12 ³	3 1/2	24-16d	16-10dx1 1/2	910	2600	1845
16	See Canadian <i>Wood Construction Connectors</i> catalogue for hanger selection.								See Canadian <i>Wood Construction Connectors</i> catalogue for hanger selection.						
Double TJI® 560, s47								Joist Width 7"							
See Canadian <i>Wood Construction Connectors</i> catalogue for hanger selection.								See Canadian <i>Wood Construction Connectors</i> catalogue for hanger selection.							

1. See notes on page 6.



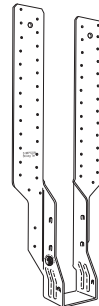
HU

HU – 14 gauge
The HU series features uplift capacity and a large selection of sizes and load ranges. HU hangers have triangle holes that can be filled for increased loads. Web stiffeners required when used with TJI® Joists.



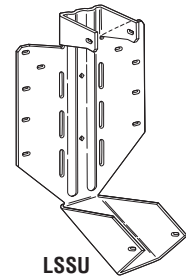
SUL

SUR/L – 16 gauge
HSUR/L – 14 gauge
All models are skewed 45°. Normally accommodates a 40°- 50° skew. The installation of these hangers does not require a beveled end cut.



THAI

THAI – 18 gauge
THAI-2 – 14 gauge
This hanger has extra long straps and can be field-formed to give height adjustability and top flange hanger convenience. Positive angle nailing helps minimize splitting of the TJI® Joist's bottom flange. Minimum nailing is shown in the table above. Strap must be field-formed over the top of the header by a minimum of 2 1/2". Web stiffeners required when used with TJI® Joists.



LSSU

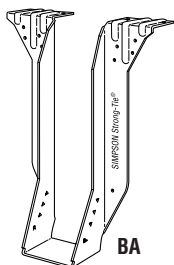
LSSU/LSSUI – 18 gauge
LSSU210-2, LSSU410 – 16 gauge
LSU – 14 gauge
LSSU models provide uplift capacity and can be field sloped and/or skewed to 45°. Web stiffeners required when used with TJI® Joists.

BEAMS and HEADERS – Canadian/Factored Resistance (lbs)

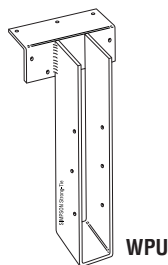


Joist Height	Top Flange								Face Mount					
	Model	B Dim	Nails		Uplift (115)	DownLoad			Model	B Dim	Nails		Uplift (115)	DF DownLoad
			Header	Joist		LVL	PSL	LSL			Header	Joist		
1 3/4" Microllam® LVL or Parallam® PSL or TimberStrand® LSL														
7 1/4	LBV1.81/7.25	3	10-16d	2-10dx1 1/2	435	3905	4410	4630	HU7	2 1/2	12-16d	4-10dx1 1/2	980	3775
9 1/4	LBV1.81/9.25	3	10-16d	2-10dx1 1/2	435	3905	4410	4630	HU7	2 1/2	12-16d	4-10dx1 1/2	980	3775
	B1.81/9.25	3	14-16d	6-10dx1 1/2	1650	5825	5230	5965	HUS1.81/10	3	30-16d	10-16d	4505	6405
9 1/2	MIT9.5	2 1/2	8-16d	2-10dx1 1/2	450	3550	3025	3465	HU9	2 1/2	18-16d	6-10dx1 1/2	1470	4830
	B1.81/9.5	3	14-16d	6-10dx1 1/2	1650	5825	5230	5965	HUS1.81/10	3	30-16d	10-16d	4505	6405
11 1/4	LBV1.81/11.25	3	10-16d	2-10dx1 1/2	435	3905	4410	4630	HU11	2 1/2	22-16d	6-10dx1 1/2	1470	4830
	B1.81/11.25	3	14-16d	6-10dx1 1/2	1650	5825	5230	5965	HUS1.81/10	3	30-16d	10-16d	4505	6405
11 7/8	MIT11.88	2 1/2	8-16d	2-10dx1 1/2	450	3550	3025	3465	HU11	2 1/2	22-16d	6-10dx1 1/2	1470	4830
	BA1.81/11.88	3	16-16d	8-10dx1 1/2	1960	6490	7075	6185	HUS1.81/10	3	30-16d	10-16d	4505	6405
14	MIT1.81/14	2 1/2	8-16d	2-10dx1 1/2	450	3550	3205	3465	HU14	2 1/2	28-16d	8-10dx1 1/2	1960	5255
	B1.81/14	3	14-16d	6-10dx1 1/2	1650	5825	5230	5965	HUS1.81/10	3	30-16d	10-16d	4505	6405
2 Ply 1 3/4" or 3 1/2" Microllam® LVL or Parallam® PSL or TimberStrand® LSL														
5 1/2	WP3.56/5.5	2 1/2	2-16d	2-10d	—	5950	5430	5980	HHUS46	3	14-16d	6-16d	2540	7335
7 1/4	LBV3.56/7.25	2 1/2	10-16d	2-10dx1 1/2	435	3905	4410	4630	HHUS48	3	22-16d	8-16d	3765	6345
9 1/4	LBV3.56/9.25	2 1/2	10-16d	2-10dx1 1/2	435	3905	4410	4630	HHUS410	3	30-16d	10-16d	4745	9855
	HB3.56/9.25	3 1/2	22-16d	10-16d	3555	9525	9240	10475	HGUS410	4	46-16d	16-16d	6840	14645
9 1/2	LBV3.56/9.5	2 1/2	10-16d	2-10dx1 1/2	435	3905	4410	4630	HHUS410	3	30-16d	10-16d	4745	9855
	HB3.56/9.5	3 1/2	22-16d	10-16d	3555	9525	9240	10475	HGUS410	4	46-16d	16-16d	6840	14645
11 1/4	B3.56/11.25	2 1/2	14-16d	6-16d	1650	6490	5230	6185	HHUS410	3	30-16d	10-16d	4745	9855
	HB3.56/11.25	3 1/2	22-16d	10-16d	3555	9525	9240	10475	HGUS412	4	56-16d	20-16d	7640	14995
11 7/8	BA3.56/11.88	3	16-16d	8-10dx1 1/2	1960	6490	7075	6185	HHUS410	3	30-16d	10-16d	4745	9855
	HB3.56/11.88	3 1/2	22-16d	10-16d	3555	9525	9240	10475	HGUS412	4	56-16d	20-16d	7640	14995
14	BA3.56/14	3	16-16d	8-10dx1 1/2	1960	6490	7075	6185	HHUS410	3	30-16d	10-16d	4745	9855
	SCL3.62/14	4	6-16d	6-16d	2155	15850	15855	—	HGUS414	4	66-16d	22-16d	10130	16400
16	BA3.56/16	3	16-16d	8-10dx1 1/2	1960	6490	7075	6185	HGUS414	4	66-16d	22-16d	10130	16400
	SCL3.62/16	4	6-16d	6-16d	2155	15850	15855	—						
18	HB3.56/18	3 1/2	22-16d	10-16d	3555	9525	9240	10475	HGUS414	4	66-16d	22-16d	10130	16400
	SCL3.62/18	5	12-16d	12-16d	3255	21600	20915	—						
18 3/4	GLTV3.56/18.75	5	10-16d	6-16d	2145	10890	10745	8590	HGUS414	4	66-16d	22-16d	10130	16400
	SCL3.62/18.75	5	12-16d	12-16d	3255	21600	20915	—						
19	GLTV3.56/19	5	10-16d	6-16d	2145	10890	10745	8590	HGUS414	4	66-16d	22-16d	10130	16400
	SCL3.62/19	5	12-16d	12-16d	3255	21600	20915	—						

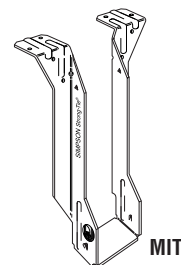
1. Other load durations may apply, see current Canadian Limit States catalogue for allowable increases.
2. If supporting member is multiple piles of 1 3/4" Parallam® PSL, factored resistance load is 9970 lbs. for GLTV.
3. When ordering HGU or HHGU specify height.
4. Download for face mount hangers is based on Douglas Fir headers.



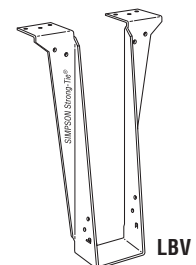
BA – 14 gauge
The BA series offers versatility for TJI® Joists and SCL lumber. Enhanced load capacity widens the range of applications for these hangers.



W, WI – Top flange – 12 gauge; Stirrup – 12 gauge
WP, WPI, WPU – Top flange – 7 gauge; Stirrup – 12 gauge
HWU – Top flange – 3 gauge; Stirrup – 10 gauge
This welded series offers the greatest design flexibility and versatility, and a large selection of sizes. Suitable for welded and nailer applications, and modifications including slopes and skews.



MIT – 16 gauge
The MIT's Positive Angle Nailing helps minimize splitting of the TJI® Joist's bottom flange. Features uplift capacity and extended seat design (to allow installation of slightly undercut joists).



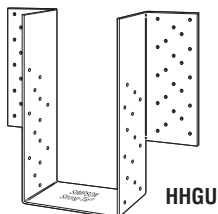
LBV – 14 gauge
The LBV is designed especially for use with multiple ply headers 1 1/2" to 1 3/4" thick, and may be used for weld-on applications.

BEAMS and HEADERS – Canadian/Factored Resistance (lbs)

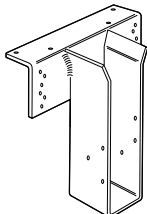


Joist Height	Top Flange								Face Mount					
	Model	B Dim	Nails		Uplift (115)	DownLoad			Model	B Dim	Nails		Uplift (115)	DF DownLoad
			Header	Joist		LVL	PSL	LSL			Header	Joist		
3 Ply 1 3/4" or 5 1/4" Microllam® LVL or Parallam® PSL or TimberStrand® LSL														
7 1/4	WPU5.50/7.25	3	7-16d	6-10d	1665	6825	7085	5980	HGUS5.50/8	4	36-16d	12-16d	6070	12980
9 1/4	HB5.50/9.25	3 1/2	22-16d	10-16d	3555	9525	9240	10475	HHUS5.50/10	3	30-16d	10-16d	4745	10545
	GLTV5.50/9.25	5	10-16d	6-16d	2145	10890	10745	8590	HGUS5.50/10	4	46-16d	16-16d	6840	14645
9 1/2	HB5.50/9.5	3 1/2	22-16d	10-16d	3555	9525	9240	10475	HHUS5.50/10	3	30-16d	10-16d	4745	10545
	SCL5.37/9.5	4	6-16d	6-16d	2155	15850	15855	—	HGUS5.50/10	4	46-16d	16-16d	6840	14645
11 1/4	HB5.50/11.25	3 1/2	22-16d	10-16d	3555	9525	9240	10475	HHUS5.50/10	3	30-16d	10-16d	4745	10545
	GLTV5.50/11.25	5	10-16d	6-16d	2145	10890	10745	8590	HGUS5.50/12	4	56-16d	20-16d	7640	14995
11 7/8	HB5.50/11.88	3 1/2	22-16d	10-16d	3555	9525	9240	10475	HHUS5.50/10	3	30-16d	10-16d	4745	10545
	SCL5.37/11.88	5	12-16d	12-16d	3255	21600	20915	—	HGUS5.50/12	4	56-16d	20-16d	7640	14995
14	HB5.50/14	3 1/2	22-16d	10-16d	3555	9525	9240	10475	HHUS5.50/10	3	30-16d	10-16d	4745	10545
	SCL5.37/14	5	12-16d	12-16d	3255	21600	20915	—	HGUS5.50/14	4	66-16d	22-16d	10130	16400
16	HGLTV5.516	6	18-16d	6-16d	2145	15365	11325	13795	HGUS5.50/14	4	66-16d	22-16d	10130	16400
	SCL5.37/16	6	10-16d	12-16d	4305	29000	27350	—	HGU5.50-SDS ³	5 1/4	36-SDS 1/4x2 1/2	24-SDS 1/4x2 1/2	14300	20320
18	SCL5.37/18	6	10-16d	12-16d	4305	29000	27350	—	HGUS5.50/14	4	66-16d	22-16d	10130	16400
									HGU5.50-SDS ³	5 1/4	36-SDS 1/4x2 1/2	24-SDS 1/4x2 1/2	14300	20320
18 3/4	SCL5.37/18.75	6	10-16d	12-16d	4305	29000	27350	—	HGUS5.50/14	4	66-16d	22-16d	10130	16400
									HGU5.50-SDS ³	5 1/4	36-SDS 1/4x2 1/2	24-SDS 1/4x2 1/2	14300	20320
19	SCL5.37/19	6	10-16d	12-16d	4305	29000	27350	—	HGUS5.50/14	4	66-16d	22-16d	10130	16400
									HGU5.50-SDS ³	5 1/4	36-SDS 1/4x2 1/2	24-SDS 1/4x2 1/2	14300	20320
4 Ply 1 3/4" or 7" Microllam® LVL or Parallam® PSL or TimberStrand® LSL														
9 1/4	HB7.12/9.25	3 1/2	22-16d	10-16d	3555	9525	9240	10475	HHU7.25/10	3 5/16	30-16d	10-16d	4745	10770
	GLTV49.25-2	5	10-16d	6-16d	2145	10890	10745	8590	HGU7.25/10	4	46-16d	16-16d	6840	15760
9 1/2	HB7.12/9.5	3 1/2	22-16d	10-16d	3555	9525	9240	10475	HHU7.25/10	3 5/16	30-16d	10-16d	4745	10770
	SCL7.25/9.5	4	6-16d	6-16d	2155	15850	15855	—	HGU7.25/10	4	46-16d	16-16d	6840	15760
11 1/4	GLTV411.25-2	5	10-16d	6-16d	2145	10890	10745	8590	HHU7.25/10	3 5/16	30-16d	10-16d	4745	10770
	HGLTV411.25-2	6	18-16d	6-16d	2145	15365	11325	13795	HGU7.25/12	4	56-16d	20-16d	7640	16110
11 7/8	GLTV411.88-2	5	10-16d	6-16d	2145	10890	10745	8590	HHU7.25/10	3 5/16	30-16d	10-16d	4745	10770
	SCL7.25/11.88	5	12-16d	12-16d	3255	21600	20915	—	HGU7.25/12	4	56-16d	20-16d	7640	16110
14	SCL7.25/14	5	12-16d	12-16d	3255	21600	20915	—	HGU7.25/14	4	66-16d	22-16d	10130	18200
									HGU7.25-SDS ³	5 1/4	36-SDS 1/4x2 1/2	24-SDS 1/4x2 1/2	14300	20320
16	SCL7.25/16	6	10-16d	12-16d	4305	29000	27350	—	HGU7.25/14	4	66-16d	22-16d	10130	18200
									HHGU7.25-SDS ³	5 1/4	44-SDS 1/4x2 1/2	28-SDS 1/4x2 1/2	21740	26665
18	SCL7.25/18	6	10-16d	12-16d	4305	29000	27350	—	HGU7.25/14	4	66-16d	22-16d	10130	18200
									HHGU7.25-SDS ³	5 1/4	44-SDS 1/4x2 1/2	28-SDS 1/4x2 1/2	21740	26665
18 3/4	SCL7.25/18.75	6	10-16d	12-16d	4305	29000	27350	—	HGU7.25/14	4	66-16d	22-16d	10130	18200
									HHGU7.25-SDS ³	5 1/4	44-SDS 1/4x2 1/2	28-SDS 1/4x2 1/2	21740	26665
19	SCL7.25/19	6	10-16d	12-16d	4305	29000	27350	—	HGU7.25/14	4	66-16d	22-16d	10130	18200
									HHGU7.25-SDS ³	5 1/4	44-SDS 1/4x2 1/2	28-SDS 1/4x2 1/2	21740	26665

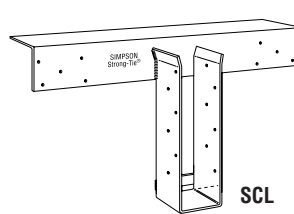
1. See footnotes on page 8.



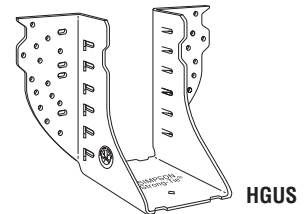
HGU – 7 gauge
HHGU – 3 gauge
 The GU hangers are a high-capacity girder hanger designed for situations where the header and joist are flush at top.



GLTV & HGLTV – Top flange – 3 gauge
 Stirrup – 7 gauge
 This welded series provides high load carrying capacity and design flexibility and versatility. May be sloped, skewed and modified in other ways, and may be welded to steel I-beams. The GLTV may be used on 4x nailers.



SCL – Top flange – 1/4" or 3/8" hot rolled angle
 Stirrup – 3 gauge
 This series offers high load capacities. The large top flange distributes the load to the carrying member.

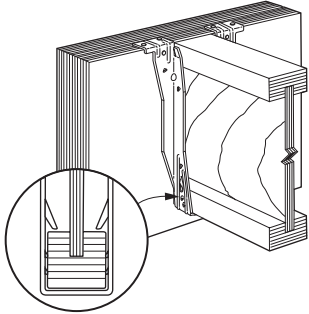


HGUS – 12 gauge
HHUS – 14 gauge
 Features double shear nailing for high strength and lowest installed cost due to the reduced nail quantity requirement. Not suitable for use with TJI® Joists.

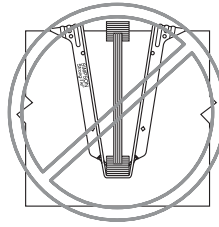
GENERAL CONNECTOR INSTALLATION



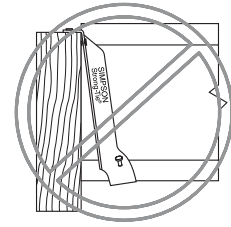
Top Flange Hangers



Flush Framing
Top flange configuration and thickness of top flange need to be considered for flush frame conditions.

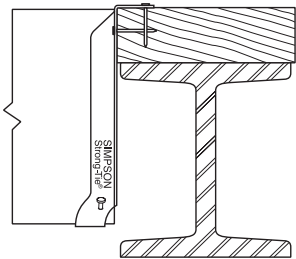


Hanger Over-Spread
If the hanger is over-spread, it can raise the TJI® Joist above the header and may cause uneven surfaces and squeaky floors.

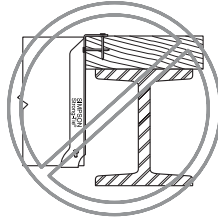


Hanger Not Plumb
A hanger "kicked out" from the header can cause uneven surfaces and squeaky floors.

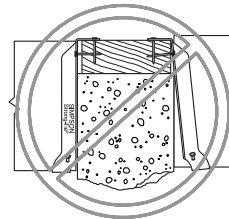
Wood Nailers



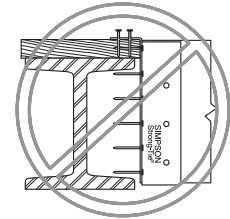
Correct Attachment



Nailer Too Wide
The loading may cause cross-grain bending. As a general rule, the maximum allowable overhang is 1/4", depending on nailer thickness.

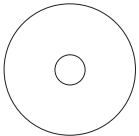


Nailer Too Narrow
Nailer should be full width.

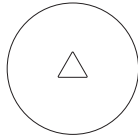


Nailer Too Thin and the wrong hanger for a nailer application.

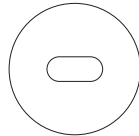
Nail Hole Shapes



Round Holes
All holes must be filled except for the THAI adjustable height hanger. Refer to load tables for THAI nail quantities.



Triangle Holes
Provided on some products in addition to round holes. Round and triangle holes must be filled to achieve the published maximum load value.



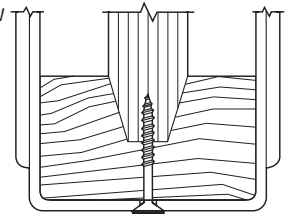
Obround Holes
Used to provide easier nailing access in tight locations. All holes must be filled except for the LSSU hanger when skewed. Refer to load tables for LSSU nail quantities.

LT and LF Screw Installation

Use 8 gauge (0.164" diameter) x 1 1/4 wood screw (#8x1 1/2") to secure joist to hanger.

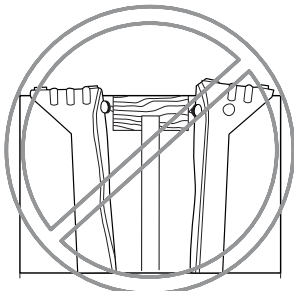
To avoid stripping of the bottom chord screw hole, DO NOT over tighten screw.

Use specified screw to seat joist into hanger (required only for LF and LT hangers).



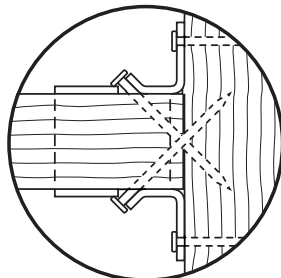
Toe Nailed I-Joist

Toe nailing causes squeaks and improper hanger installations. **Do not toe nail TJI® joists prior to installing either top flange or face mount hangers.**



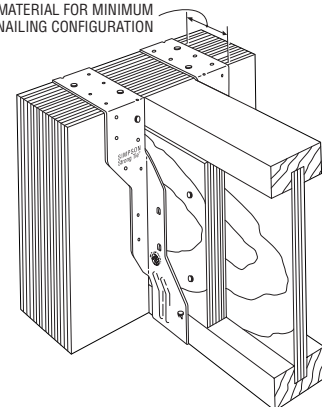
Double Shear Nailing

The nail is installed into joist and header, distributing load through two points on each nail for greater strength.



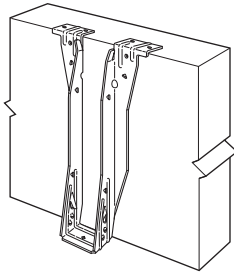
THAI Minimum Nailing

MINIMUM OF 2 1/2" OF TOP FLANGE MATERIAL FOR MINIMUM NAILING CONFIGURATION

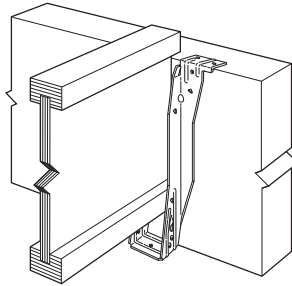


GENERAL CONNECTOR INSTALLATION

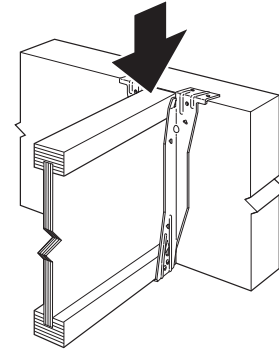
ITS Installation Sequence (IUS Similar)



STEP 1
Attach the ITS to the header

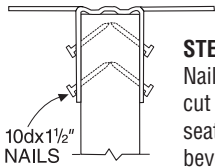


STEP 2
Slide the TJI® Joist downward into the ITS until it rests above the Strong-Grip™ seat.

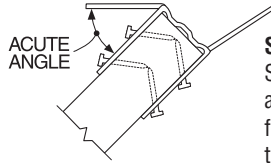


STEP 3
Firmly push or snap TJI® joist fully into the seat of the ITS.

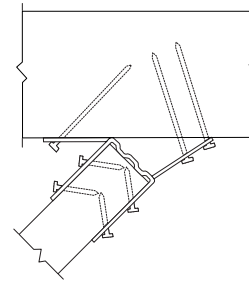
LSSU Installation



STEP 1
Nail hanger to slope-cut joist, installing seat nail first. No bevel necessary for skewed installation.

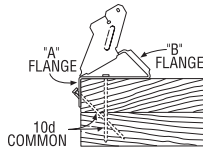


STEP 2
Skew flange to form acute angle. Bend other flange back. Bend along the centerline of slots. Bend one time only.

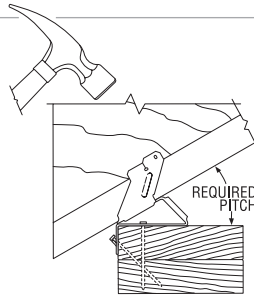


STEP 3
Attach hanger to header, acute angle first. Install nails at an angle.

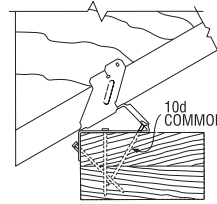
VPA Installation



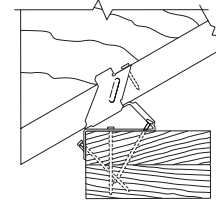
STEP 1
Install top nails and face PAN nails in "A" flange to outside wall top plate.



STEP 2
Seat rafter with a hammer, adjusting "B" flange to the required pitch.



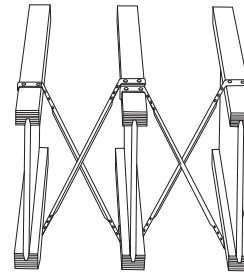
STEP 3
Install "B" flange nails in the obround nail holes, locking the pitch.



STEP 4
Bend tab with hammer and install nail into tab nail hole. Hammer nail in at approx. 45° angle to limit splitting.

TB - Tension Bridging

Joist Height	Joist Spacing (Inches)								
	12	16	19.2	24	30	32	36	42	48
9½	TB20	TB27	TB27	TB30	TB36	TB36	TB42	TB48	TB54
11⅝	TB20	TB27	TB27	TB30	TB36	TB36	TB42	TB48	TB54
14	TB27	TB27	TB27	TB36	TB36	TB42	TB42	TB48	TB54
16	TB27	TB27	TB30	TB36	TB42	TB42	TB42	TB48	TB54

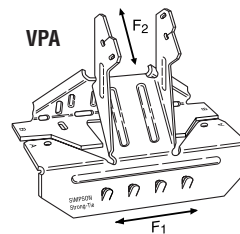


For all bridging avoid contact between steel members (this may cause squeaks).

Typical TB Installation

VPA - Variable Pitch Connectors

Joist Width	Model No.	Fasteners		Factored Resistance							
		Top Plate	Rafter	Uplift (160)		Download (100)		Lateral Load (160)			
				DF/SP	SPF	DF/SP	SPF	DF/SP		SPF	
1¼	VPA25	8-10d	2-10dx1½	405	370	1695	1555	695	405	615	370
2⅛	VPA2.06	9-10d	2-10dx1½	405	370	2050	1855	695	405	615	370
2¼ - 2⅝	VPA35	9-10d	2-10dx1½	405	370	2050	1855	695	405	615	370
2½	VPA3	9-10d	2-10dx1½	405	370	2050	1855	695	405	615	370
3½	VPA4	11-10d	2-10dx1½	405	370	2050	1855	695	405	615	370



1. VPA's are not appropriate for applications that require more than 2" of bearing, such as intermediate supports.

VPA - 18 gauge
This variable pitch connector allows a sloped beam to sit on a top plate without having to notch, birdmouth, bevel, or toe nail. It also provides uplift capacity. Adjustable from 3:12 to 12:12 pitch.

GENERAL CONNECTOR INSTALLATION



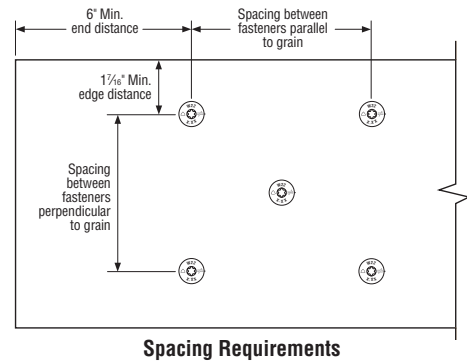
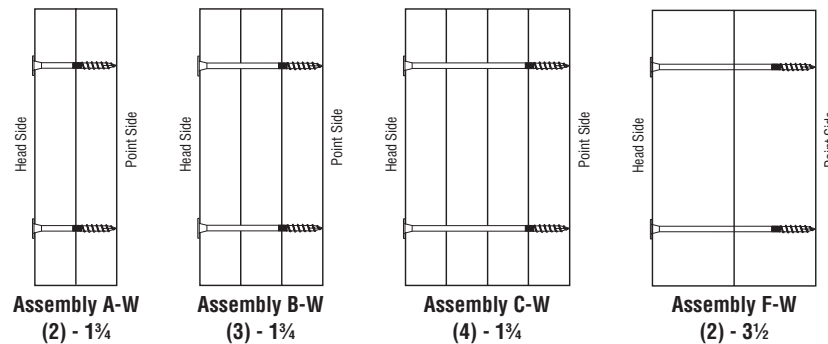
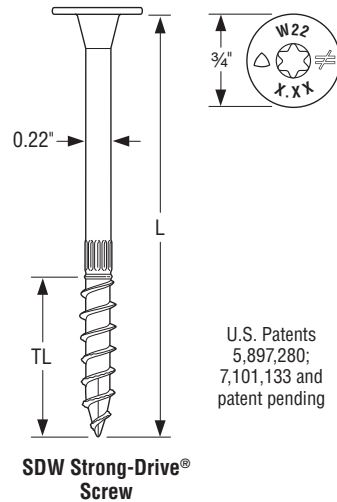
SDW Strong-Drive® Structural Wood Screws

INSTALLATION

- SDW screws install best with a low-speed 1/2" drill and a T-40 6-lobe bit. The matched bit included with the screws is recommended for best results.
- Screw heads that are countersunk flush to the wood surface are acceptable if the screw has not spun out.
- Individual screw locations may be adjusted up to 3" to avoid conflicts with other hardware or to avoid lumber defects.
- Pre-drilling is typically not required.

Screw Dimensions

Model No.	Nominal Screw Length (L) (in)	Thread Length (TL) (in)	Head Stamp Length
SDW22338	3 3/8	1 1/16	3.37
SDW22500	5	1 1/16	5.00
SDW22634	6 3/4	1 1/16	6.75



Sideloaded 1 1/4 Multi-Ply SCL Assemblies – Uniform Factored Resistance due to Load Applied to Either Outside Member

Multiple Members		Nominal Length	Loaded Side	Maximum Factored Uniform Load Applied to Outer Ply											
				SCL (SG = 0.5)						SCL (SG = 0.42)					
Assembly	Component			SDW @ 12" o.c.		SDW @ 16" o.c.		SDW @ 24" o.c.		SDW @ 12" o.c.		SDW @ 16" o.c.		SDW @ 24" o.c.	
				2 Rows	3 Rows	2 Rows	3 Rows	2 Rows	3 Rows	2 Rows	3 Rows	2 Rows	3 Rows	2 Rows	3 Rows
				plf	plf	plf	plf	plf	plf	plf	plf	plf	plf	plf	plf
				kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m
A-W	2-ply 1 1/4" SCL	3 3/8	Head	1560	2340	1170	1755	780	1170	1300	1950	975	1463	650	975
				22.76	34.14	17.07	25.61	11.38	17.07	18.97	28.45	14.23	21.34	9.48	14.23
			Point	1360	2040	1020	1530	680	1020	1140	1710	855	1283	570	855
B-W	3-ply 1 1/4" SCL	5	Head	19.84	29.76	14.88	22.32	9.92	14.88	16.63	24.95	12.48	18.71	8.32	12.48
				1484	2226	1113	1670	742	1113	1289	1934	967	1451	645	967
			Point	21.66	32.48	16.24	24.36	10.83	16.24	18.81	28.22	14.11	21.16	9.41	14.11
C-W	4-ply 1 1/4" SCL	6 3/4	Head	1244	1867	933	1400	622	933	1094	1642	821	1231	547	821
				18.16	27.23	13.62	20.43	9.08	13.62	15.97	23.95	11.98	17.96	7.98	11.98
			Point	1320	1980	990	1485	660	990	1147	1720	860	1290	573	860
F-W	2-ply 3 1/2" SCL	6 3/4	Head	19.26	28.89	14.44	21.67	9.63	14.44	16.73	25.10	12.55	18.82	8.37	12.55
				1107	1660	830	1245	553	830	973	1460	730	1095	487	730
			Point	16.15	24.22	12.11	18.17	8.07	12.11	14.20	21.30	10.65	15.98	7.10	10.65
			Head	2280	3420	1710	2565	1140	1710	2020	3030	1515	2273	1010	1515
				33.27	49.90	24.95	37.43	16.63	24.95	29.47	44.21	22.10	33.16	14.74	22.10
			Point	2280	3420	1710	2565	1140	1710	1960	2940	1470	2205	980	1470
				33.27	49.90	24.95	37.43	16.63	24.95	28.60	42.90	21.45	32.17	14.30	21.45

1. Each ply is assumed to carry some proportion of load.
2. Loads may be applied to the head side and point side concurrently provided neither published factored resistance is exceeded.
(Example: A 3 ply SCL (SG=0.5) assembly with a head side load of 1600 plf and point side load of 1300 plf may be fastened together with 3 rows of 5" SDW@16" o.c.)
3. When hangers are installed on point side, hanger face fasteners must be a minimum of 3" long.
4. Factored resistances in this table are based on the overall capacity of the Simpson Strong-Tie® SDW22 fasteners. The capacity of the multi-ply assembly must be checked by a qualified Designer using the reduced cross-sectional area per 10.2.2.5 CSA 086-09.

Refer to the current Canadian Wood Construction Connectors catalogue for General Notes, Warranty Information and other important information, including Terms and Conditions of Sale, Building Code Evaluation listings and Corrosion Resistance.

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