

THJU Truss Hip/Jack Hanger

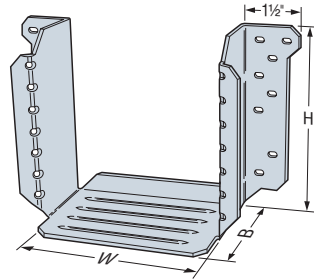
The THJU hip/jack hanger offers the most flexibility and ease of installation without sacrificing performance. The U-shaped hanger works for right and left hand hips and can be ordered to fit a range of hip skews (up to 65 degrees) as well as various single and 2-ply hip/jack combinations. Also can be installed before or after the hip and jack.

THJU26 is sized for the standard hip/jack combination with a 45-degree left or right-hand hip. The wide seat of THJU26-W accommodates a 2-ply hip and 2-ply jack combination with a 45 degree maximum hip skew, or a standard single-ply hip/jack configuration with a maximum 65-degree hip skew. Intermediate seat widths are available for other hip/jack or hip/hip combinations.

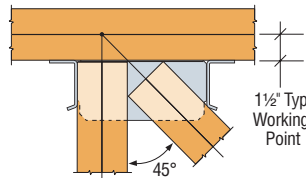
MATERIAL: 12 gauge **FINISH:** Galvanized
INSTALLATION: • Use all specified fasteners. See General Notes.

OPTIONS: Other seat widths available. See Hanger Options on pages 181-183 for more information.

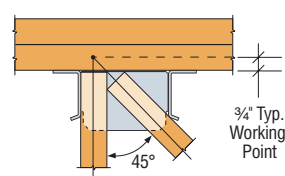
CODES: See page 12 for Code Reference Key Chart.



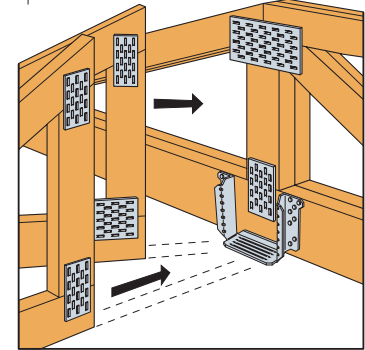
THJU26



THJU26-W Top View
2-Ply Hip/2-Ply Jack Installation



THJU26 Top View
Right Hand Hip
Installation



Typical THJU26 Installation

Model No.	Min. Heel Height	Dimensions (in.)			Fasteners			DF/SP Allowable Loads					SPF/HF Allowable Loads				Code Ref.	
		W	H	B	Carrying Member	Hip	Jack	Uplift (160)	Download				Uplift (160)	Download				
									Floor (100)	Snow (115)	Roof (125)	Wind (160)		Floor (100)	Snow (115)	Roof (125)		Wind (160)
THJU26	3 1/2"	5 1/2"	5 1/2"	3 1/2"	16-10d	4-10d	4-10d	745	1915	1915	1915	1915	645	1645	1645	1645	1645	F23
	1310							2350	2350	2350	2350	1125	2020	2020	2020	2020		
THJU26-W	3 1/2"	7 1/2"	5 1/2"	3 1/2"	16-10d	4-10d	4-10d	710	1825	1825	1825	1825	610	1570	1570	1570	1570	F23
	1240							1965	1965	1965	1965	1065	1690	1690	1690	1690		

1. Tabulated loads are the total allowable loads of the hip and jack members combined; 65%-85% of the total load shall be distributed to the hip member, and the remaining percentage of total load shall be distributed to the jack. The combined hip and jack load may not exceed the published total load.
2. Uplift loads have been increased 60% for wind or earthquake loading with no further increase allowed.

3. With single 2x carrying members use 10dx1 1/2" nails and use 100% of the table value.
4. For single 2x jacks, 10dx1 1/2" nails may be substituted for the specified 10d commons with no reduction in load.
5. Truss chord cross-grain tension may limit allowable loads.
6. **NAILS:** 10d = 0.148" dia. x 3" long. See page 16-17 for other nail sizes and information.

Plated Truss Connectors

LTHJ Truss Hip/Jack Hanger

Single piece, non-welded truss hip/jack connector with a standard hip skew of 45-degrees left or right. See also THJA26, LTHJA26, and THJU26 for hip/jack hangers that accommodate both right and left hand hips and can be installed after the hip and jack.

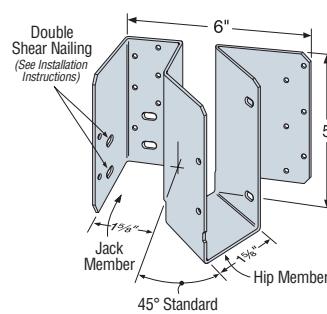
MATERIAL: 18 gauge **FINISH:** Galvanized; also available in ZMAX® coating.
INSTALLATION: • Use all specified fasteners. See General Notes.

- The two 10d common nails into the jack must be driven at an angle through the side plate slot and jack, and into the carrying member; see HUS for double shear nailing details. The end of the jack cannot be more than 1/8" from the back plate to meet required nail penetration.
- Shall be attached to a minimum 2-ply girder truss to allow for required minimum nail penetration. See footnote 5.

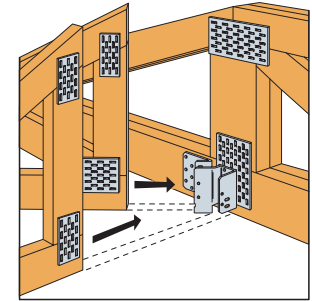
TO ORDER: Specify LTHJL for left 45° skewed hip truss and LTHJR for right 45° skewed hip truss.

OPTIONS: Available in hip slopes up to 45° and/or skews left or right from 46° to 67°. See Hanger Options, pages 181-183.

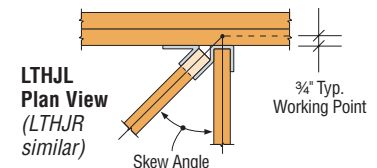
CODES: See page 12 for Code Reference Key Chart.



LTHJR
Hip Skewed 45° Right
(LTHJL similar)
U.S. Patent 5,042,217



Typical LTHJL Installation



LTHJL
Plan View
(LTHJR similar)

These products are available with additional corrosion protection. Additional products on this page may also be available with this option, check with Simpson Strong-Tie for details.

Model No.	Fasteners			Carried Member	DF/SP Allowable Loads					SPF/HF Allowable Loads				Code Ref.	
	Carrying Member	Hip	Jack		Uplift ¹ (160)	Floor (100)	Snow (115)	Roof (125)	Wind (160)	Uplift ¹ (160)	Floor (100)	Snow (115)	Roof (125)		Wind (160)
LTHJR/L	12-10d	4-10dx1 1/2"	2-10dx1 1/2" and 2-10d	Hip	580	1135	1310	1420	1425	500	980	1130	1225	1225	I11, F10
				Jack	250	380	435	475	475	215	330	380	410	410	
				Total	830	1515	1745	1895	1900	715	1310	1510	1635	1635	

1. Tabulated hip and jack allowable loads assume that 75% of the total load is distributed to the hip and 25% to the jack. It is permitted to distribute 65% to 85% of the tabulated total load to the hip, and the remaining percentage of total load to the jack. The combined hip and jack load may not exceed the published Total Load.
2. Uplift loads include a 60% increase for wind or earthquake loading with no further increase allowed; reduce where other loads govern.
3. Wind (160) is a download rating.

4. Truss chord cross-grain tension may limit allowable loads. Refer to technical bulletins T-ANSITPISPF, T-ANSITPISP and T-ANSITPIDF for allowable loads that consider ANSI/TPI 1-2007 wood member design criteria (see page 191 for details).
5. Loads are based on a minimum 2-ply 2x carrying member. For single 2x carrying members, use 10dx1 1/2" nails and use 0.82 of the table value.
6. **NAILS:** 10d = 0.148" dia. x 3" long, 10dx1 1/2" = 0.148" dia. x 1 1/2" long. See page 16-17 for other nail sizes and information.