

LTHJA26/THJA26 Truss Hip/Jack Hangers



This product is preferable to similar connectors because of a) easier installation, b) higher loads, c) lower installed cost, or a combination of these features.

The LTHJA26 is the lighter capacity version of the THJA26. The LTHJA26 is designed for the common 8 foot hip girder setback. Consult with truss engineer or refer to truss engineering for actual demand load information.

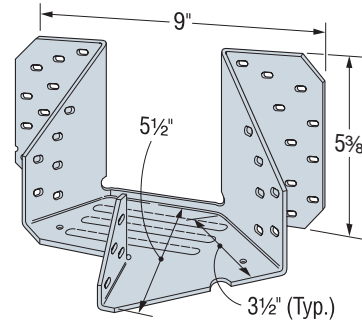
MATERIAL: LTHJA26—18 gauge; THJA26—14 gauge

FINISH: Galvanized.

INSTALLATION: • Use all specified fasteners. See General Notes.

- All multiple members must be fastened together to act as a single unit.
- For hip and jack combinations, distribute 75% of the total load to the hip member.
- 10dx1½" nails must be installed into bottom of hip members through bottom of hanger seat for factored resistances (LTHJA26).

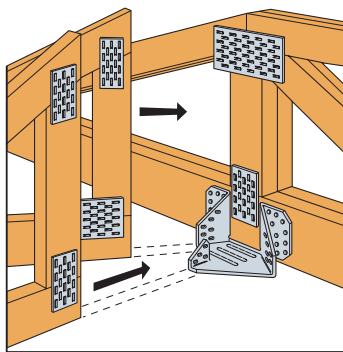
OPTIONS: These hangers can not be modified.



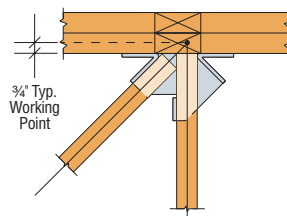
LTHJA26
(THJA26 similar)

U.S. Patent 5,253,465 and other Patent Pending

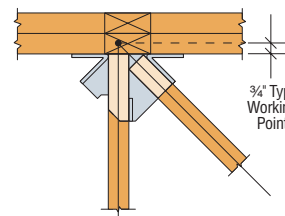
Plated Truss Connectors



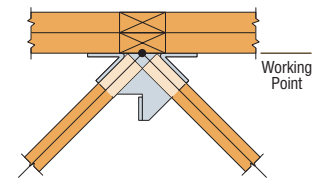
Typical LTHJA26 Installation



Top View
Left Hand Hip Installation



Top View
Right Hand Hip Installation



Top View
Terminal Hip without
Center Common Jack

Model No.	Carried Member Combination	Fasteners			Carried Member	Factored Resistance				
		Carrying Member	Hip ² (each)	Jack		D.Fir-L		S-P-F		
						Uplift	Normal	Uplift	Normal	
						(K _D =1.15)	(K _D =1.00)	(K _D =1.15)	(K _D =1.00)	
lbs	kN	lbs	kN	lbs	kN					
LTHJA26	Side Hip & Center Jack	20-10d	7-10dx1½	4-10dx1½	Jack	120	400	85	285	
						0.53	1.78	0.38	1.27	
					Hip	360	1205	260	860	
						1.60	5.37	1.16	3.83	
		Total	480	1605	345	1145				
			2.14	7.15	1.54	5.10				
	Double (Terminal Hip)	20-10d	7-10dx1½	—	Hip (each)	550	1040	395	745	
					2.45	4.63	1.76	3.32		
					Total	1100	2080	790	1490	
						4.90	9.27	3.52	6.64	
THJA26	Side Hip & Center Jack	20-16d	6-10dx1½	4-10dx1½	Hip	1365	3810	960	2890	
						6.08	16.97	4.28	12.87	
					Jack	455	1270	320	965	
						2.03	5.66	1.43	4.30	
		Total	1820	5080	1280	3855				
			8.11	22.63	5.70	17.17				
		Double (Terminal Hip)	20-16d	6-10dx1½	—	Hip (each)	910	2540	640	1925
						4.05	11.31	2.85	8.59	
					Total	1820	5080	1280	3850	
						8.11	22.63	5.70	17.17	

1. Factored uplift resistances have been increased 15% for earthquake or wind loading with no further increase allowed; reduce where other loads govern.
2. For LTHJA26, one 10dx1½" nail must be installed into bottom of each hip member through bottom of hanger seat.
3. For a 2-2x4 bottom chord, multiply the resistances by 0.50.
4. With single 2x carrying members, use 10dx1½" nails and use 0.77 of the table value for LTHJA26 and 0.64 for THJA26.
5. 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.
6. **NAILS:** 16d = 0.162" dia. x 3½" long, 10d = 0.148" dia. x 3" long, 10dx1½" = 0.148" dia. x 1½" long. See page 16-17 for other nail sizes and information.

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