

THASR/L

Adjustable/Skewable Truss Hangers

The THASR/L hangers combine the height adjustability of THA hangers with field skewability, offering maximum flexibility for the installer, and eliminating the need for special orders. Shipped at 22½° right or left, the THASR/L hangers can be field skewed from 22½° to 75° (up to 85° for the THASR/L29 and THASR/L29-2).

Features:

- The THASR/L single and two-ply versions have straps 9" tall. The 4x version has 22" straps to fit more parallel-chord truss applications.
- The versions have only one acute side bend line to ease design and installation.
- Joist fasteners are only required from one side for skews greater than 22½°.
- Rated for installation with either nails or Strong-Drive® SD Connector screws.

Material: 16 gauge

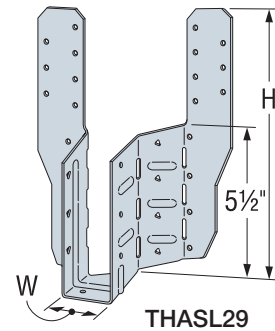
Finish: Galvanized

Installation:

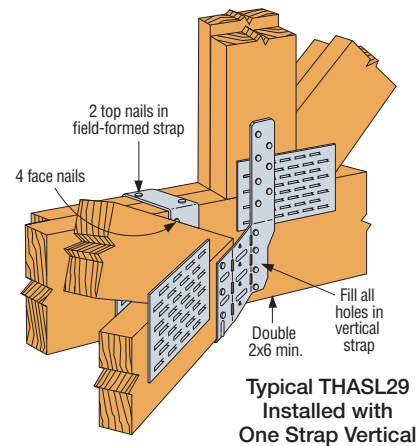
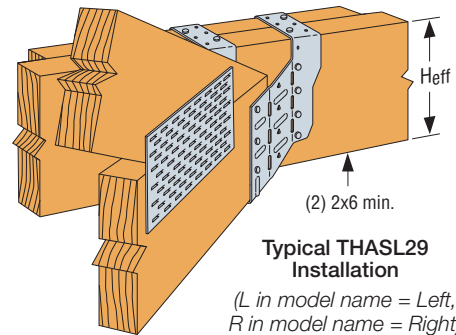
- Use all specified fasteners; see General Notes.
- Product is factory skewed to 22½° and may be field skewed from 22½° to 75° (up to 85° for the THASR/L29 and THASR/L29-2). See Installation Sequence below for skews greater than 22½°.
- For 22½° skew installations, fill all triangle holes. Triangle holes do not need to be filled for skews greater than 22½°.
- For all installations, fill the fastener hole(s) in the bottom of the hanger seat (THASR/L29 has one and all other models have two).
- For top-flange installations, the straps must be field-formed over the header a minimum of 2".
- THASR/L29 and THASR/L29-2 — For installations where either strap cannot be field-formed over the header, install the strap(s) vertical and fill all holes. Loads must be reduced as noted in the table footnotes.
- THASR/L422 — For face-mount installations, install the carrying member fasteners into the lowest holes.

Codes: See p. 13 for Code Reference Key Chart

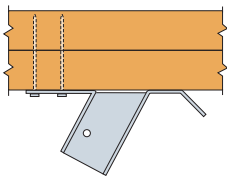
Web Applications: Visit app.strongtie.com/hs to access our Hanger Selector web application.



THASR/L29

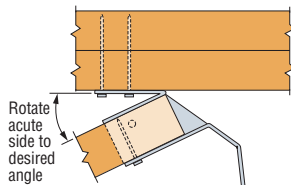


Installation Sequence for Skews > 22½°



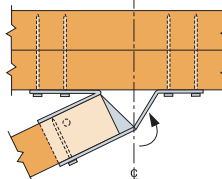
Step 1

Install acute side top and/or face header fasteners.



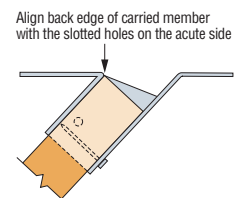
Step 2

Utilizing a piece of scrap fastened to the hanger (on obtuse side only), bend the hanger along the acute side bend line to the desired angle.



Step 3

Bend the obtuse side of the hanger back toward the header until the narrow nailing flange lies flat against the header, and install obtuse side header top and/or face fasteners.



Step 4

Install joist/truss and install the carried member fasteners on the obtuse side and seat only.

THASR/L

Adjustable/Skewable Truss Hangers (cont.)

These products are available with additional corrosion protection. For more information, see p. 16.

SD Many of these products are approved for installation with Strong-Drive® SD Connector screws. See pp. 362–366 for more information.

Allowable Loads for Installation with Nails

Min. Carried Member	Model No.	Dim. (in.)		Min. H _{eff}	Skew (Degree)	Fasteners (in.)			DF/SP Allowable Loads					SPF/HF Allowable Loads					Code Ref.
		Carrying Member				Carried Member	Uplift (160)	Floor (100)	Snow (115)	Roof (125)	Wind (160)	Uplift (160)	Floor (100)	Snow (115)	Roof (125)	Wind (160)			
		Top	Face																
Top-Flange Installation																			
2x truss	THASR/L29	1%	9%	5½	22½	(4) 0.148 x 3	(8) 0.148 x 3	(7) 0.148 x 1½	795	1,975	1,975	1,975	1,975	685	1,695	1,700	1,700	1,700	—
					23 to 74	(4) 0.148 x 3	(8) 0.148 x 3	(4) 0.148 x 1½	385	1,485	1,485	1,485	1,485	330	1,275	1,275	1,275	1,275	
					75 to 85	(4) 0.148 x 3	(8) 0.148 x 3	(4) 0.148 x 1½	410	1,850	1,895	1,895	1,895	355	1,380	1,420	1,445	1,545	
2-2x truss	THASR/L29-2	3½	9%	5½	22½	(4) 0.148 x 3	(8) 0.148 x 3	(8) 0.148 x 3	825	1,660	1,660	1,660	1,660	710	1,425	1,425	1,425	1,425	
					23 to 45	(4) 0.148 x 3	(8) 0.148 x 3	(5) 0.148 x 3	295	1,285	1,285	1,285	1,285	255	1,105	1,105	1,105	1,105	
					46 to 85	(4) 0.148 x 3	(8) 0.148 x 3	(5) 0.148 x 3	260	1,285	1,285	1,285	1,285	225	1,105	1,105	1,105	1,105	
4x truss	THASR/L422	3%	22	8	22½	(4) 0.148 x 3	(4) 0.148 x 3	(8) 0.148 x 3	—	1,115	1,115	1,115	1,115	—	960	960	960	960	
					23 to 45	(4) 0.148 x 3	(4) 0.148 x 3	(5) 0.148 x 3	—	925	925	925	925	—	795	795	795	795	
					46 To 75	(4) 0.148 x 3	(4) 0.148 x 3	(5) 0.148 x 3	—	745	745	745	745	—	640	640	640	640	
Face-Mount Installation																			
4x truss	THASR/L422	3%	22	5½	22½	—	(8) 0.148 x 3	(8) 0.148 x 3	—	810	810	810	810	—	700	700	700	700	—
					23 to 45	—	(8) 0.148 x 3	(5) 0.148 x 3	—	730	730	730	730	—	625	625	625	625	
					46 to 75	—	(8) 0.148 x 3	(5) 0.148 x 3	—	730	730	730	730	—	625	625	625	625	

Allowable Loads for Installation with Strong-Drive SD Connector Screws

Min. Carried Member	Model No.	Dim. (in.)		Min. Heff	Skew (Degree)	Fasteners (in.)			DF/SP Allowable Loads					SPF/HF Allowable Loads					Code Ref.
		Carrying Member				Carried Member	Uplift (160)	Floor (100)	Snow (115)	Roof (125)	Wind (160)	Uplift (160)	Floor (100)	Snow (115)	Roof (125)	Wind (160)			
		Top	Face																
Top-Flange Installation																			
2x truss	THASR/L29	1%	97%	5½	22½	(4) #9x2½" SD	(8) #9x2½" SD	(7) #9x1½" SD	1,085	2,510	2,665	2,765	2,790	935	1,735	1,835	1,905	2,140	—
					23 to 45	(4) #9x2½" SD	(8) #9x2½" SD	(4) #9x1½" SD	660	1,995	2,075	2,125	2,220	540	1,400	1,450	1,485	1,600	
					46 to 85	(4) #9x2½" SD	(8) #9x2½" SD	(4) #9x1½" SD	535	1,995	2,075	2,125	2,220	460	1,400	1,450	1,485	1,600	
2-2x truss	THASR/L29-2	3%	97%	5½	22½	(4) #9x2½" SD	(8) #9x2½" SD	(8) #9x2½" SD	1,450	2,745	2,745	2,745	2,745	1,075	2,360	2,360	2,360	2,360	
					23 to 45	(4) #9x2½" SD	(8) #9x2½" SD	(5) #9x2½" SD	530	1,915	1,915	1,915	1,915	455	1,645	1,645	1,645	1,645	
					46 to 85	(4) #9x2½" SD	(8) #9x2½" SD	(5) #9x2½" SD	665	1,530	1,530	1,530	1,530	540	1,315	1,315	1,315	1,315	
4x truss	THASR/L422	3%	22	8	22½	(4) #9x2½" SD	(4) #9x2½" SD	(8) #9x2½" SD	—	1,140	1,140	1,140	1,140	—	980	980	980	980	
					23 to 45	(4) #9x2½" SD	(4) #9x2½" SD	(5) #9x2½" SD	—	1,065	1,065	1,065	1,065	—	915	915	915	915	
					46 to 75	(4) #9x2½" SD	(4) #9x2½" SD	(5) #9x2½" SD	—	870	870	870	870	—	750	750	750	750	
Face-Mount Installation																			
4x truss	THASR/L422	3%	22	5½	22½	—	(8) #9x2½" SD	(8) #9x2½" SD	—	1,600	1,720	1,720	1,720	—	895	1,030	1,120	1,435	—
					23 to 45	—	(8) #9x2½" SD	(5) #9x2½" SD	—	1,330	1,330	1,330	1,330	—	895	1,030	1,120	1,145	
					46 to 75	—	(8) #9x2½" SD	(5) #9x2½" SD	—	1,330	1,330	1,330	1,330	—	895	1,030	1,120	1,145	

1. Uplift loads have been increased for earthquake or wind loading with no further increase allowed. Reduce where other loads govern.
2. Wind (160) is a download rating.
3. Minimum carried member heel height shall be 4½".
4. Heff is the distance from the top of the hanger seat to the top of the carrying member.
5. For tabulated top-flange installation loads, the straps must be wrapped over the header a minimum of 2". Allowable downloads for the THASR/L29 and THASR/L29-2 with one or both straps installed vertically (all holes filled) are 90% of the tabulated downloads for skews greater than 22½° and 85% of the tabulated downloads for 22½° skews. Allowable uplift capacities are 100% of the tabulated uplift load capacities.
6. Allowable downloads for 75°–85° skews with one or both straps installed vertically (with all holes filled) shall be limited to 75% of these loads.
7. **Fasteners:** Nail dimensions are listed diameter by length. SD screws are Simpson Strong-Tie Strong-Drive SD Connector screws. See pp. 23–24 for fastener information.