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.

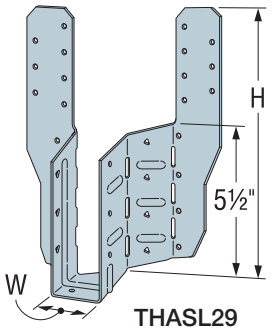
Material: 16 gauge

Finish: Galvanized

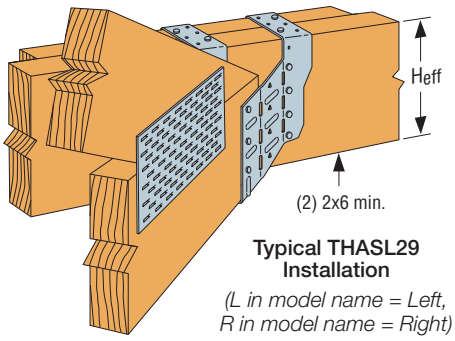
Installation:

- 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. 12 for Code Reference Key Chart

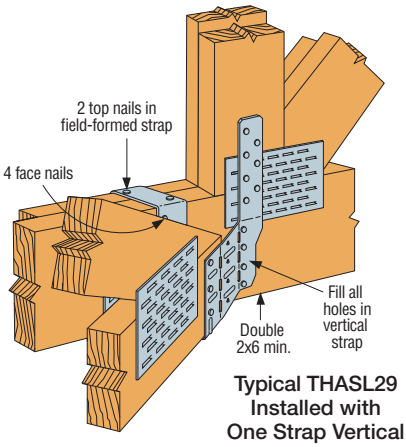


THASL29



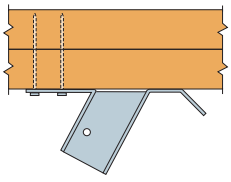
Typical THASL29 Installation

(L in model name = Left, R in model name = Right)

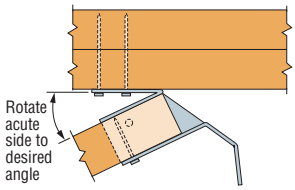


Typical THASL29 Installed with One Strap Vertical

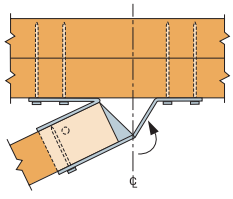
Installation Sequence for Skews > 22½°



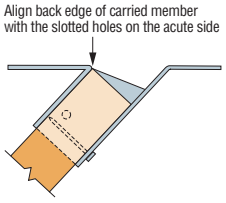
Step 1
Install acute side top and/or face header fasteners.



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.

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Adjustable/Skewable Truss Hangers (cont.)

These products are available with additional corrosion protection. For more information, see p. 15.

SD Many of these products are approved for installation with Strong-Drive® SD Connector screws. See pp. 335–337 for more information.

Allowable Loads for Installation with Nails

Min. Carried Member	Model No.	Dim. (in.) W	Dim. (in.) H	Min. H_{eff}	Skew (Degree)	Fasteners (in.) Carrying Member Top	Fasteners (in.) Carrying Member Face	Fasteners (in.) Carried Member	DF/SP Allowable Loads Uplift (160)	Floor (100)	Snow (115)	Roof (125)	Wind (160)	SPF/HF Allowable Loads Uplift (160)	Floor (100)	Snow (115)	Roof (125)	Wind (160)	Code Ref.
Top-Flange Installation																			
2x truss	THASR/L29	1⅝	9⅞	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	3⅛	9⅞	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	3⅝	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	3⅝	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.) W	Dim. (in.) H	Min. H_{eff}	Skew (Degree)	Fasteners (in.) Carrying Member Top	Fasteners (in.) Carrying Member Face	Fasteners (in.) Carried Member	DF/SP Allowable Loads Uplift (160)	Floor (100)	Snow (115)	Roof (125)	Wind (160)	SPF/HF Allowable Loads Uplift (160)	Floor (100)	Snow (115)	Roof (125)	Wind (160)	Code Ref.
Top-Flange Installation																			
2x truss	THASR/L29	1⅝	9⅞	5½	22½	(4) SD #9x2½"	(8) SD #9x2½"	(7) SD #9x1½"	1,085	2,510	2,665	2,765	2,790	935	1,735	1,835	1,905	2,140	—
					23 to 45	(4) SD #9x2½"	(8) SD #9x2½"	(4) SD #9x1½"	660	1,995	2,075	2,125	2,220	540	1,400	1,450	1,485	1,600	
					46 to 85	(4) SD #9x2½"	(8) SD #9x2½"	(4) SD #9x1½"	535	1,995	2,075	2,125	2,220	460	1,400	1,450	1,485	1,600	
2-2x truss	THASR/L29-2	3⅛	9⅞	5½	22½	(4) SD #9x2½"	(8) SD #9x2½"	(8) SD #9x2½"	1,450	2,745	2,745	2,745	2,745	1,075	2,360	2,360	2,360	2,360	
					23 to 45	(4) SD #9x2½"	(8) SD #9x2½"	(5) SD #9x2½"	530	1,915	1,915	1,915	1,915	455	1,645	1,645	1,645	1,645	
					46 to 85	(4) SD #9x2½"	(8) SD #9x2½"	(5) SD #9x2½"	665	1,530	1,530	1,530	1,530	540	1,315	1,315	1,315	1,315	
4x truss	THASR/L422	3⅝	22	8	22½	(4) SD #9x2½"	(4) SD #9x2½"	(8) SD #9x2½"	—	1,140	1,140	1,140	1,140	—	980	980	980	980	
					23 to 45	(4) SD #9x2½"	(4) SD #9x2½"	(5) SD #9x2½"	—	1,065	1,065	1,065	1,065	—	915	915	915	915	
					46 to 75	(4) SD #9x2½"	(4) SD #9x2½"	(5) SD #9x2½"	—	870	870	870	870	—	750	750	750	750	
Face-Mount Installation																			
4x truss	THASR/L422	3⅝	22	5½	22½	—	(8) SD #9x2½"	(8) SD #9x2½"	—	1,600	1,720	1,720	1,720	—	895	1,030	1,120	1,435	—
					23 to 45	—	(8) SD #9x2½"	(5) SD #9x2½"	—	1,330	1,330	1,330	1,330	—	895	1,030	1,120	1,145	
					46 to 75	—	(8) SD #9x2½"	(5) SD #9x2½"	—	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. H_{eff} 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 in the table are listed diameter by length. See pp. 21–22 for fastener information.
8. **Fasteners:** SD screws are Simpson Strong-Tie® Strong-Drive® screws. See pp. 335–337 for fastener information.

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