

THAI

Adjustable Hanger

Designed for I-joists, the THAI has extra long straps and can be field-formed to give height adjustability and top-flange hanger convenience. Positive-angle nailing helps eliminate splitting of the I-joist's bottom flange.

Material: THAI-2 — 14 gauge; all others — 18 gauge

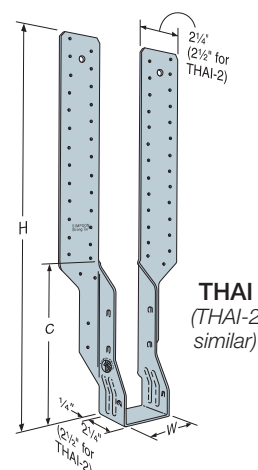
Finish: Galvanized

Installation:

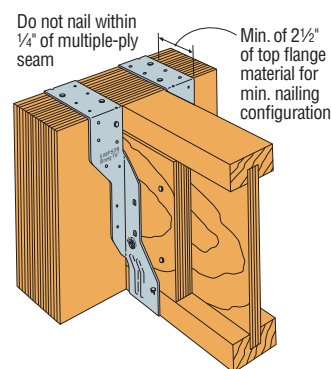
- Factory-order the THAI-2 for hanger width needed. See table for allowable widths.
- Use all specified fasteners. Verify that the header can take the fasteners specified in the table.
- Web stiffeners are required for all I-joists used with these hangers.
- When a total of 20 face nails are used in THAI straps, or 30 face nails are used in THAI-2 straps, the maximum load-carrying capacity is achieved.
- Reduce load given by allowable nail shear capacity for each nail less than maximum.
- A minimum nailing configuration is shown for top nailing installations. The strap must be field-formed over the top of the header by a minimum of 2½".
- Uplift — Lowest face nails must be filled to achieve uplift loads.

Codes: See p. 13 for Code Reference Key Chart

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



THAI (THAI-2 similar)



Typical THAI Installation with Minimum Nailing Configuration

Joist Dimensions (in.)		Model No.	Hanger Dimensions (in.)			Code Ref.
Width	Depth		W ₁	H	C	
1½	9¼ – 14	THAI222	1⅞	22⅞	9⅞	IBC®, FL, LA
1¾	9¼ – 14	THAI1.81/22	1⅞	22¾	9¼	
2	9¼ – 14	THAI2.06/22	2⅞	22⅞	9⅞	
2⅞	9¼ – 14	THAI2.1/22	2⅞	22⅞	9⅞	
2¼ to 2⅞	9¼ – 14	THAI3522	2⅞	22½	9	
2½	9¼ – 14	THAI322	2⅞	22⅞	8⅞	
3½	9¼ – 14	THAI422	3⅞	21⅞	8⅞	
3 to 5¼	9¼ – 14	THAI-2	3⅞ to 5⅞	21 ⅞	8⅞	—

1. The W dimension should be ordered at ⅞" to ⅝" greater than the joist width.

Allowable Loads for Various Headers

Nailing Options	Fasteners (in.)			Uplift (160)	Allowable Loads								
	Top	Face	Joist		LVL Header			DF/SP Header			SPF/HF Header		
					Floor (100)	Snow (115)	Roof (125)	Floor (100)	Snow (115)	Roof (125)	Floor (100)	Snow (115)	Roof (125)
THAI minimum	(4) 0.148 x 1½	(2) 0.148 x 1½	(2) 0.148 x 1½	—	1,350	1,350	1,350	1,325	1,325	1,325	1,070	1,070	1,070
	(4) 0.148 x 3	(2) 0.148 x 3	(2) 0.148 x 1½	—	1,465	1,465	1,465	1,735	1,735	1,735	1,680	1,680	1,680
THAI maximum	—	(20) 0.148 x 3	(2) 0.148 x 1½	185	2,080	2,080	2,080	2,080	2,080	2,080	1,790	1,790	1,790
THAI-2 minimum	(4) 0.148 x 3	(2) 0.148 x 3	(2) 0.148 x 1½	—	1,445	1,445	1,445	2,095	2,095	2,095	2,095	2,095	2,095
THAI-2 maximum	—	(30) 0.148 x 3	(2) 0.148 x 1½	185	3,390	3,900	4,135	3,390	3,900	4,135	2,940	3,310	3,310

1. Uplift loads have been increased for earthquake or wind loading with no further increase allowed. Reduce where other loads govern.

2. Uplift loads are based on DF/SP lumber. For SPF/HF, use 0.86 x DF/SP uplift load.

3. The minimum header depth to achieve the maximum nail configuration is 16".

4. For the THAI3522 supporting a 2¼" joist, the download shall be the lesser of the table load or 1,400 lb.

5. **Fasteners:** Nail dimensions are listed diameter by length. See pp. 23–24 for fastener information.

THAI Allowable Loads for Top-Flange Min. Nailing Installation on Nailers

Model	Nailer	Top (in.)	Face (in.)	Joist (in.)	Uplift (160)	Allowable Loads (100/115/125)	
						DF/SP	SPF/HF
THAI Series	2x	(4) 0.148 x 1½	(2) 0.148 x 1½	(2) 0.148 x 1½	—	1,245	1,070
	Min. 2–2x	(4) 0.148 x 3	(2) 0.148 x 3	(2) 0.148 x 1½	—	1,735	1,680
THAI-2	Min. 2–2x	(4) 0.148 x 3	(2) 0.148 x 3	(2) 0.148 x 1½	—	2,095	2,095

1. Loads for 2x nailers are applicable to single 4x2 top chord carrying members provided the hanger is located at a top chord panel point and there is no splice at that panel point location.

2. Attachment of nailer to supporting member is the responsibility of the designer.

3. **Fasteners:** Nail dimensions are listed diameter by length. See pp. 23–24 for fastener information.