

THAI I-Joist & Structural Composite Lumber Hangers

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.

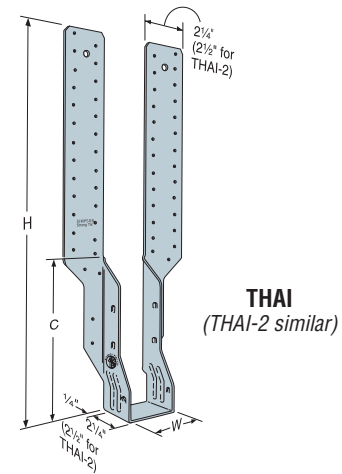
MATERIAL: THAI-2-14 gauge; all others-18 gauge

FINISH: Galvanized

INSTALLATION: • THAI-2 must be factory-ordered for hanger width needed.

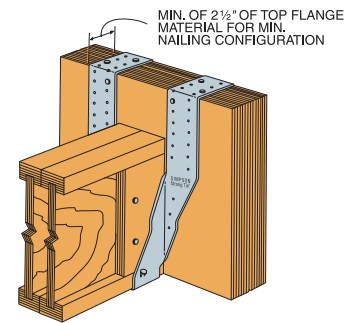
See table for allowable widths.

- Use all specified fasteners. Verify that the header can take the required 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 factored resistance is achieved.
- Reduce the resistance given by the factored lateral 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".



Joist Dimensions (in)		Model No.	Hanger Dimensions (in)		
Width	Depth		W ¹	H	C
1½	9¼ - 14"	THAI222	1⅞	22⅞	9⅞
1¾	9¼ - 14"	THAI1.81/22	1⅞	22¾	9¼
2	9¼ - 14"	THAI2.06/22	2⅞	22⅞	9⅞
2¼ to 2⅝	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	21⅞	8⅞

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



Nailing Options	Fasteners			Factored Resistance			
	Top	Face	Joist	Uplift (K _D =1.15)	Header		
					LVL ³	D.Fir-L	S-P-F
					Normal	Normal	Normal
					(K _D =1.00)	(K _D =1.00)	(K _D =1.00)
				lbs	lbs	lbs	lbs
				kN	kN	kN	kN
THAI Minimum	4-10dx1½	2-10dx1½	2-10dx1½	—	2035	2035	1735
				—	9.03	9.03	7.70
THAI Maximum	—	20-10d	2-10dx1½	—	3000	2740	2075
				—	13.31	12.16	9.20
THAI-2 Minimum	4-10d	2-10d	2-10dx1½	410	3025	2740	2075
				1.82	13.42	12.16	9.20
THAI-2 Maximum	—	30-10d	2-10dx1½	—	2935	2935	2935
				—	13.02	13.02	13.02
THAI-2 Maximum	—	30-10d	2-10dx1½	410	6005	6005	4300
				1.82	26.64	26.64	19.08

1. Uplift loads have been increased 15% for wind or earthquake loading with no further increase allowed; reduce where other loads govern.
2. The minimum header depth to achieve the maximum nail configuration is 16".
3. Applies to LVL headers made primarily from Douglas Fir or Southern Pine. For LVL made primarily from Spruce Pine Fir or similar less dense veneers, use the values found in the S-P-F column.
4. Factored uplift resistances shown are for D.Fir-L.
Multiply tabulated resistances x 0.71 for either SPF joist or header.
5. **NAILS:** 10d = 0.148" dia. x 3" long, 10dx1½ = 0.148" dia. x 1½" long.
See page 16-17 for other nail sizes and information

