

New Heavy Tension Tie Designed for Higher Loads



Improved tension tie offers new solution for higher loads in wood-frame construction

Introducing the patent-pending HTTH™ heavy tension tie from Simpson Strong-Tie. The newest in our expanding line of tension ties, the HTTH6.5 provides higher allowable loads than existing HTT products and is an ideal solution for residential construction and light-framed wood commercial buildings. Tested per AC155, the HTTH6.5 is the first nailed-on holdown to achieve 6,500 lb. allowable load (7,650 lb. allowable load with SD screws), making it an economical solution when heavier loads are required.

This single-piece tension tie is fastened with nails (in standard pneumatic nail gun nail sizes) or Strong-Drive® SD Connector screws. It features a four-ply formed seat that reduces deflection. To achieve the highest allowable loads, one 3/4" standard-cut washer (not included) is required. Like all solutions from Simpson Strong-Tie, the HTTH6.5 is widely available and backed by our expert service and support.

Features

- Four-fold seat reduces deflection
- Tapered base optimized for increased strength and reduced deflection
- Optimal nailing pattern reduces splitting at the end of the post and maximizes individual fastener capacity
- 0.185" hole diameter accommodates nails or SD Connector screws

This new HTT size is featured in the Simpson Strong-Tie® Post-to-Foundation Designer and Site-built Shearwall Designer web apps.

Material: 10 gauge

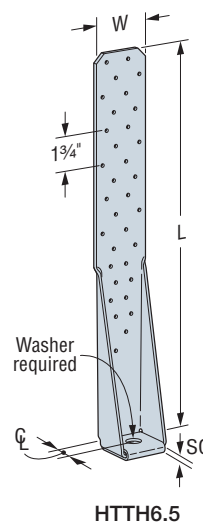
Finish: Galvanized; available in HDG

Codes: ER-130 (submitted)

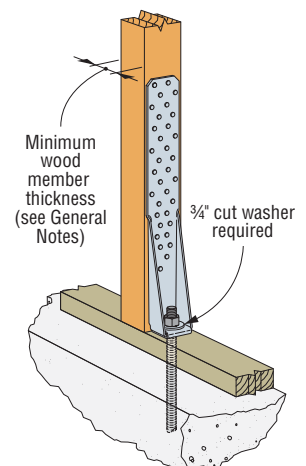
To learn more about the HTTH6.5 heavy tension tie, visit strongtie.com/htth or call (800) 999-5099.



HTTH6.5 Installed



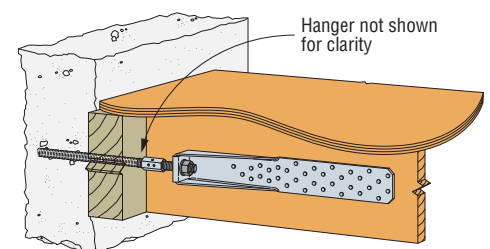
HTTH6.5



HTTH6.5 Allowable Loads

Model No.	Ga.	Dimensions (in.)			SO (in.)	Fasteners (in.)		Minimum Wood Member Size (in.)	Allowable Tension Loads (160)		Deflection at Highest Allowable Load (in.)
		W	L	CL		Anchor Rod Diameter	Wood Fasteners		DF/SP	SPF/HF	
HTTH6.5	10	3	20 1/4	1 5/16	1 7/32	3/4	(34) 0.148 x 2 1/2	3 x 3 1/2	6,115	5,640	0.136
							(34) 0.162 x 2 1/2	3 x 3 1/2	6,505	5,675	0.140
							(34) #10 x 1 1/2 SD	1 1/2 x 7 1/4	5,375	5,010	0.128
							(34) #10 x 1 1/2 SD	3 x 3 1/2	6,390	5,795	0.136
							(34) #10 x 2 1/2 SD	3 x 3 1/2	7,650	6,760	0.147

1. For additional information reference General Notes on pp. 51–52 of the *Wood Construction Connectors* catalog (C-C-2024).
2. Allowable loads have been increased for earthquake or wind load durations with no further increase allowed. Reduce where other loads govern.
3. The designer must specify anchor bolt type, length and embedment.
4. **Fasteners:** Nail dimensions are listed diameter by length. SD screws are Simpson Strong-Tie Strong-Drive SD Connector screws. See pp. 23–24 of the *Wood Construction Connectors* catalog.
5. HTTH6.5 installed with (34) 0.162" x 2 1/2" nails with no standard-cut washer has an allowable load of 5,935 lb. for DF/SP and 5,675 lb. for SPF/HF.
6. HTTH6.5 installed with (34) #10 x 2 1/2" SD Strong-Drive screws with no standard-cut washer has an allowable load of 6,350 lb. for DF/SP and 6,240 lb. SPF/HF.



Other Related Products

HTT Allowable Loads

Model No.	Ga.	Dimensions (in.)			SO (in.)	Fasteners (in.)		Minimum Wood Member Size (in.)	Allowable Tension Loads (160)		Deflection at Highest Allowable Load (in.)
		W	L	CL		Anchor Rod Diameter	Wood Fasteners		DF/SP	SPF/HF	
HTT4	11	2½	12¾	1 5/16	7/16	5/8	(18) 0.148 x 1 ½	1 ½ x 3 ½	3,000	2,580	0.090
							(18) 0.148 x 1 ½	3 x 3 ½	3,610	3,105	0.086
							(18) 0.162 x 2 ½	3 x 3 ½	4,235	3,640	0.123
							(18) #10 x 1 ½" SD	1 ½ x 5 ½	4,455	3,830	0.112
							(18) #10 x 1 ½" SD	3 x 3 ½	4,455	3,830	0.112
HTT5	11	2½	16	1 3/8	7/16	5/8	(26) 0.148 x 1 ½	3 x 3 ½	4,350	3,740	0.120
							(26) 0.148 x 3	3 x 3 ½	4,670	4,015	0.116
							(26) 0.162 x 2 ½	3 x 3 ½	5,090	4,375	0.135
							(26) #10 x 1 ½" SD	1 ½ x 5 ½	4,555	3,915	0.114
HTT5KT	11	2½	16	1 3/8	7/16	5/8	(26) #10 x 2 ½" SD	3 x 3 ½	5,445	5,360	0.103
HTT5-3/4	11	2½	16	1 3/8	7/16	3/4	(26) 0.148 x 1 ½	1 ½ x 5 ½	4,065	3,495	0.103
							(26) 0.162 x 2 ½	3 x 3 ½	5,090	4,375	0.121
							(26) #10 x 1 ½" SD	1 ½ x 7 ¼	4,830	4,155	0.100



HTT5

1. Allowable load for HTT5 with a BP 5/8-2 bearing-plate washer installed in the seat of the holdown is 5,295 lb. for DF/SP and 4,555 lb. for SPF/HF.
2. **Fasteners:** Nail dimensions in the table are listed diameter by length. SD screws are Simpson Strong-Tie Strong-Drive SD Connector screws. For additional information, see pp. 23–24 of the *Wood Construction Connectors* catalog.

Strong-Drive® SD Connector screw

Designed to replace nails in certain products, the load-rated SD Connector screw has been tested and approved for use with HTT tension ties.



Specification Tools

Our software and web application technology solutions make it fast and easy for architects, engineers and contractors to complete any job.



Adhesive Anchorage Solutions

We offer the most versatile adhesive products with ultimate bonding strength. Our epoxy and hybrid acrylic adhesives perform in a wide-range of temperatures and in variable conditions, allowing you to specify the right adhesive that will keep your job moving.



SET-3G™ High-Strength Epoxy Adhesive

- For threaded rod and rebar
- Exceptional performance — superior bond strengths
- Approved for dry, water-saturated, water-filled holes and submerged (underwater) installations in base materials with temperatures between 40°F (4°C) and 100°F (38°C)
- NSF/ANSI/CAN Standard 61 approved



AT-3G™ High-Strength Hybrid Acrylic Adhesive

- For threaded rod and rebar
- Excellent for use in cold- weather conditions or applications where fast cure is required
- Approved for dry, water-saturated or water-filled holes in base materials with temperatures between 23°F (-5°C) and 104°F (40°C)
- NSF/ANSI/CAN Standard 61 approved