

# DTT2 Deck Tension Tie

## Two New Versions of the DTT2 Offer More Solutions for Decks and Shearwalls

The DTT2 tension tie is ideal as a deck-railling post connector as well as a holdown in site-built shearwalls. Now two more options are available to further increase applications for this versatile product.

### DTT2SS Stainless-Steel Tension Tie for Decks

The new DTT2SS is made from stainless steel for applications in higher-exposure environments. Whether it's a deck guardrail post application or the lateral-load connection from the deck to the adjacent structure, the new stainless-steel DTT2 is the best choice for seaside applications or those calling for more corrosive preservative-treated lumber formulations. It fastens to the framing members with stainless-steel Simpson Strong-Tie® Strong-Drive® SDS wood screws (included).

**MATERIAL:** 14 gauge, type-316 stainless steel

The DTT2 is ideal for two critical deck connections:

#### Guardrail-Post Connection

- Ties the guardrail post into deck framing
- Stronger and safer than nails, lag screws or bolts
- Meets provisions set in the International Residential Code® (IRC) for guardrail reinforcement (Table R301.5)
- Single post-to-deck connection tested for the concentrated load specified in ICC-ES acceptance criteria for Handrails and Guards (AC273)

#### Lateral-Load Connection

- Ties the deck into the house for a stronger, safer ledger connection
- Helps prevent a common type of deck failure
- Meets provisions set by the 2009 International Residential Code® (IRC) for lateral deck-to-house connections (R502.2.2.3)

### DTT2Z-SDS2.5 for Double-Stud Applications in Shearwalls

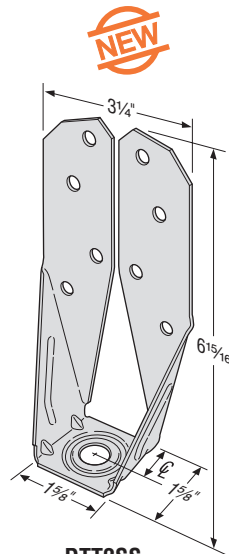
The new DTT2Z-SDS2.5 is our standard DTT2Z packaged with 2½" Simpson Strong-Tie® Strong-Drive® SDS wood screws instead of the standard 1½" fasteners. These longer screws allow the DTT2Z to achieve a load capacity in excess of 2100 lbs. when used as a holdown on double studs in a shearwall application. The DTT2Z-SDS2.5 is also suitable in deck applications when double 2x members are used for deck joists or blocking.

**MATERIAL:** 14 gauge

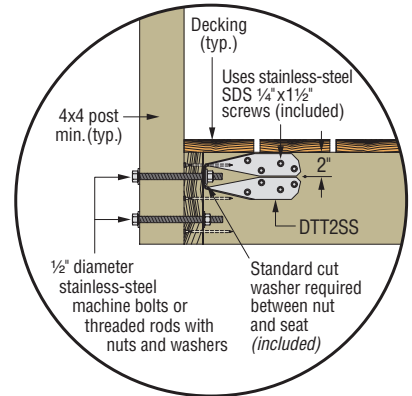
**FINISH:** ZMAX® coating

The DTT2Z is a new holdown solution for site-built shearwalls

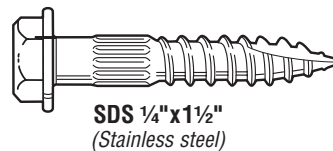
- Meets minimum requirements for many alternate braced-wall panels per Section R602.10.6.1 of the 2006 IRC (see table R602.10.6, item 1)
- Installs quickly onto double 2x post and attaches to a ½" diameter anchor
- The DTT2Z was tested in accordance with the ICC-ES acceptance criteria for Holdowns Attached to Wood Members (AC155)



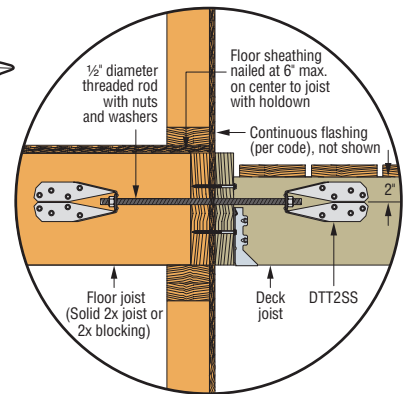
DTT2SS



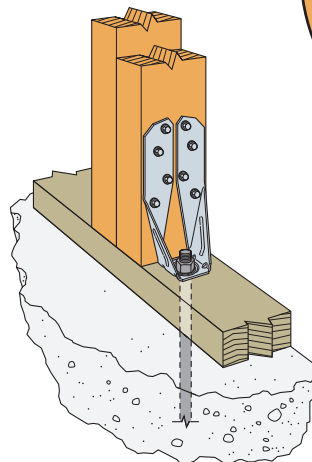
**DTT2SS Installed as a Lateral Connector for a Deck Guardrail Post**  
For more information on guardrail-post connections see technical bulletin T-GRDRLPST



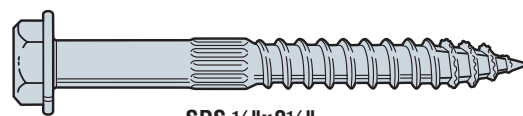
SDS ¼" x 1½"  
(Stainless steel)



**Typical Deck-to-House Lateral-Load Connection**



**Typical DTT2Z-SDS2.5 Vertical Installation for Shearwall Applications**



SDS ¼" x 2½"

These products feature, or are available with, additional corrosion protection.

Model No.	☞	Anchor Diameter	Fasteners	Minimum Wood Member Thickness (in.)	Allowable Tension Load <sup>1</sup>				Deflection at Allowable Load <sup>3</sup> (in.)
					DF/SP		SPF/HF		
					(100)	(160) <sup>2</sup>	(100)	(160) <sup>2</sup>	
DTT2SS	1 3/16	1/2	8-SDS ¼" x 1 1/2" SS	1 1/2	1825	1825	1440	1800	0.105
				3	2000	2145	1440	1835	0.128
DTT2Z-SDS2.5	1 3/16	1/2	8-SDS ¼" x 2 1/2"	3	2145	2145	2105	2105	0.141

1. Load values are valid if the DTT2SS is installed flush or raised off of the sill plate or ledger.  
 2. Where noted, allowable loads have been increased up to 60% for short load durations with no further increase allowed.  
 3. Deflection at highest allowable load includes fastener slip, DTT2SS elongation, and bolt/rod elongation (L = 4½"). Additional elongation of bolt/rod shall be accounted for by the Designer for bolt/rod lengths greater than 4½".