



# HTT SERIES

## TENSION TIES



### New & Improved Design

#### Features:

- » Nail fastening makes for a convenient connection to studs or posts in cramped retrofit installations.
- » Eliminates field drilling into studs.
- » Viable option to using predeflected holdowns.

**USP supplies quality products to build Stronger Safer Structures**

Customer Service:  
Burnsville, MN  
Phone: 1-800-328-5934  
1-952-898-8772  
Fax: 1-952-898-8605

Manufacturing:  
Montgomery, MN  
Livermore, CA  
Largo, FL  
Thornhill, Ontario

Warehouses:  
Humble, TX  
Lumberton, NJ

The new and improved HTT4 and HTT5 are designed to replace our current HTT16 and HTT22 and offer higher load capacity.

#### Usage:

- Nail-to-stud tension ties provide strong wood-to-concrete and wood-to-masonry connections for retrofit or new construction.
- Designed for anchoring shear walls to foundations in seismic or high wind regions

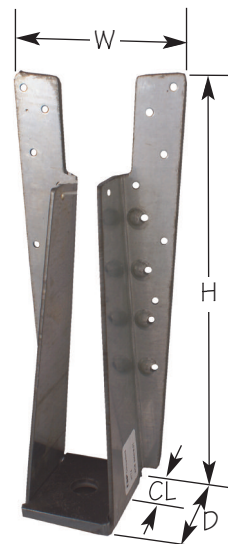
**Materials:** 12 gauge

**Finish:** G90 galvanizing

**Codes:** Load values are derived from data submitted to various North America building code evaluators

#### Installation:

- Use all specified fasteners to attach the strap portion of the connection to the side of stud, post, joist, purlin, or beam. Secure the base to the concrete or masonry wall with specified anchor bolt. A design professional shall specify the type, length, and embedment of the anchor bolt. No washers required.
- Tighten anchor bolt nuts finger tight snug to base, plus  $\frac{1}{8}$  to  $\frac{1}{2}$  additional turns with a wrench. To prevent loosening of the anchor nut during critical loading, use a locking nut or tighten a second nut over the first to lock nuts in place.



**HTT4**



**Typical HTT4 installation**

USP Stock No.	Ref. No.	Steel Gauge		Dimensions (in)				Nail Spacing (in)	Fastener Schedule				Factored Resistance (115%) <sup>1</sup>				Ctn Qty
		Strap	Plate	W	L	D	CL		Anchor Bolts <sup>4</sup>		Strap <sup>2,3</sup>		DF-L		S-P-F		
									Qty	Dia. (in)	Qty	Type	Lbs	kN	Lbs	kN	
HTT4	HTT4	12	---	3	10-7/16	2-3/4	1-3/8	1-3/4	1	5/8	18	10d x 1-1/2	2810	12.50	2360	10.50	10
												10d	3410	15.17	2865	12.74	
												16d x 2-1/2	4620	20.55	3880	17.26	
HTT5	HTT5	12	---	3	13-15/16	2-3/4	1-3/8	1-3/4	1	5/8	28	10d x 1-1/2	3340	14.86	2805	12.48	10
												10d	4910	21.84	4125	18.35	
												16d x 2-1/2	5620	25.00	4720	21.00	

1) Factored resistances have been increased 15% for short-term loads such as wind and earthquake; no further increase allowed.

2) Minimum nail embedment shall be 1-1/2" for 10d nails.

3) 16d sinkers may be substituted for the specified 10d common nails with no load reduction.

4) The designer must specify anchor bolt type, length and embedment depth.

Consult USP for pricing.



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## RETAIL/LOGISTIC INFORMATION



Part Number	Product Description	Product Features and Use	Product Width	Product Depth	Product Height	Steel Gauge	Finish	Carton Qty	Each UPC Code	Carton UPC Code	I2of5 Shipping Code
HTT4	Tension Tie	Secures multi-ply studs or posts to mudsills or foundation. Nail fastening makes for a convenient connection to studs or posts in cramped retrofit installations.	3	2-3/4	10-7/16	12	G90	10	081942128595	081942130291	10081942128592
HTT5	Tension Tie	Secures multi-ply studs or posts to mudsills or foundation. Nail fastening makes for a convenient connection to studs or posts in cramped retrofit installations.	3	2-3/4	13-15/16	12	G90	10	081942128601	081942130307	10081942128608

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