



Features:

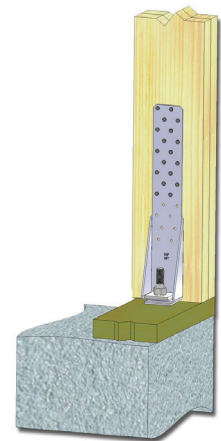
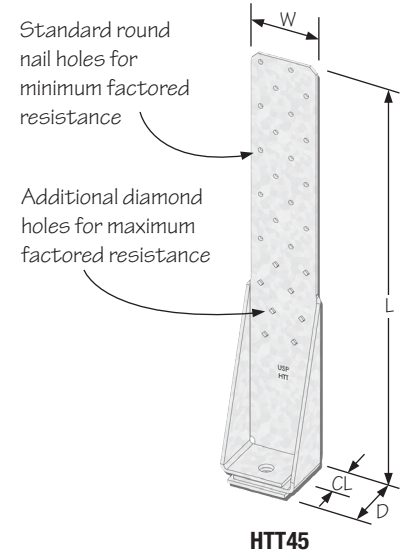
- Installs above the sill plate (recommended maximum height 18")
- Easily installs as a retrofit tie to reinforce existing post and shear wall connections.
- Fully integrated 3Ga washer provides positive load transfer to wood framing members.
- No pre-drilling. Installs with 10d or 16d nails.
- A tension tie with predeflected hold-down load carrying capacity.
- When installed using USP's 5/8" STB anchor bolt, the HTT45 Tension Tie becomes part of a fully-tested and structurally rated system.

USP's newest addition to our line of Tension Ties is the HTT45 which provides two different load carrying capacities by utilizing a diamond hole maximum nailing pattern. Fully tested to the latest standards, the HTT45's high load carrying capacity exceeds the hold-down connection requirements for Alternate Braced Wall construction. Easily installs with 10d or 16d nails. Use 16d Max nailing when lower deflections are required by design.

Materials: Body - 10Ga ASTM A653 Galvanized
Washer - 3Ga ASTM A36

Installation:

- Secure HTT45 to the concrete foundation with a properly sized anchor bolt of diameter listed in the table. No additional washer is required.
- Use all the specified fasteners to attach the strap portion of the HTT45 to the wooden post or studs.
- **HTT45 Min** – Fill all round nail holes.
- **HTT45 Max** – Fill all round and diamond nail holes.
- Tighten anchor bolt nuts finger tight snug to base, plus 1/3 to 1/2 additional turn with a wrench.



Typical HTT45
Min installation

USP supplies
quality products
to build
Stronger Safer
Structures

Customer Service:

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USP Stock No.	Ref. No.	Steel Gauge	Dimensions (in)				Fastener Schedule				Factored Tensile Resistance (115%) ¹				Ctn Qty	
			W	L	D	CL	Anchor Bolt ²	Strap ³		Nail Spacing (in)	DF-L		S-P-F			
								Qty	Type		Lbs	kN	Lbs	kN		
HTT45 (Min)	HTT4, HTT5	10	2-1/2	16	2	1-3/8	1	5/8	18	10d	1-3/4	5590	24.87	4905	21.82	10
									16d x 2-1/2	6600		29.36	5780	25.71		
HTT45 (Max)								26	10d		7280	32.38	6390	28.42		
									16d x 2-1/2		8255	36.72	7230	32.16		

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

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

3) **NAILS:** 10d nails are 0.148" dia. x 3' long, 16d x 2-1/2" nails are 0.162" dia. x 2-1/2" long.

Updated product information are designated in **blue font**.