

HTT

Tension Tie & Holddown

SIMPSON
Strong-Tie



Connect cross-laminated timber (CLT) wall panels to CLT floors or concrete slabs

The HTT Tension Tie & Holddown is designed for heavy-duty holddown applications on single or double studs and offer a high-strength solution for resisting tension loads.

Material

- Carbon Steel 3.1mm thick

Finish

- Z275 Galvanised



Features & Benefits

- A single-piece formed tension tie or holddown with a four-ply formed seat design for ultimate strength.
- Unique nailing pattern that provides better results with less deflection when using strong drive connector screws or nails
- Can be used with Strong-Drive® SD Connector screws which install easily, reduce fastener slip and provide a greater net section area of the post compared to bolts
- Suitable for heavy duty holddown applications on single or double studs
- 17mm diameter anchor hole can accommodate Simpson Strong-Tie M12 Titen HD Screw Anchor or any M16 threaded rods
- HTT5 is suitable for steel frame holddown connections

Applications

- Heavy-duty holddown applications
- Resisting tension load applications
- Shearwalls, studs to foundation connections
- Concrete-to-steel connections
- Retrofit or new construction projects
- Residential and commercial projects
- Sub diaphragm floor or ceiling, seismic upgrades, mid floor vertical connection applications
- Engineered Wood Products (EWP)
- Cross-Laminated Timber (CLT)
- Steel frame applications



Simpson Strong-Tie® Australia
Call **1300 STRONG** (1300 787 664)
www.strongtie.com.au

Simpson Strong-Tie® New Zealand
Call **09 477 4440**
www.strongtie.co.nz

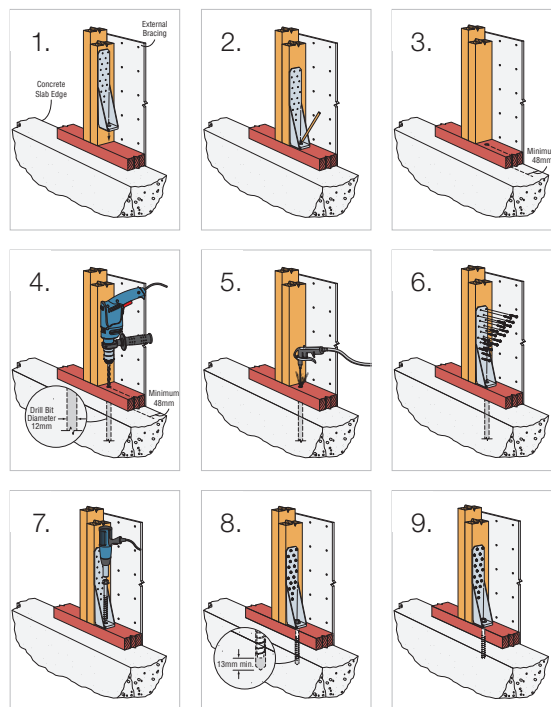
Simpson Strong-Tie Limited Warranty: For the Limited Warranty that applies to Simpson Strong-Tie products, please consult www.strongtie.com.au/warranty or www.strongtie.co.nz/warranty. To obtain a copy of the Limited Warranty, contact us at info.au@strongtie.com or info.nz@strongtie.com, or at the number provided here. The Limited Warranty contains important disclaimers, limitations and exclusions, and applies only if the products have been properly specified, installed, maintained, and used in accordance with the design limits and the structural, technical, and environmental specifications in the Simpson Strong-Tie Documentation. All future purchases of Simpson Strong-Tie products are subject to the terms of the Limited Warranty in effect as of the purchase date.

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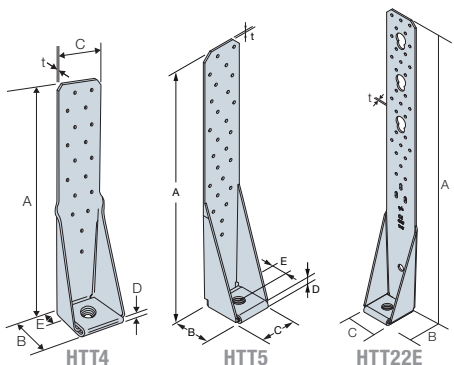
Typical Installation

1. Lower the HTT4 to the inside face of the frame.
2. Use the HTT4 to mark drill hole.
3. The minimum distance from the centre of the hole to the edge of the bottom plate is 48 mm.
4. Drill a 12 mm diameter hole through the bottom plate and in the base material using a carbide drill bit. Drill the hole to the specified embedment depth plus 13 mm minimum to allow the thread tapping dust to settle.
5. Blow it clean using compressed air and appropriate PPE. Alternatively use manual blow pump by Simpson Strong-Tie (model number PUMP)
6. Starting from the bottom, install all SD#10 screws provided using 1/4" (6.35 mm) hex bit.
7. Insert the provided THD12150MG through the HTT4 and into the hole. Tighten the anchor into the base material until the hex washer head firmly contacts the fixture.
8. The THD requires a minimum of 13 mm clearance to allow the thread tapping dust to settle.
9. If the anchor will not install completely, remove the anchor and assure that all dust has been evacuated or drill the hole deeper. Begin re-installation of the anchor by hand to prevent cross-threading.
10. Repeat the process for other side of bracewall.



Product Information

Model No.	Size (mm)	Individual Barcode	Carton Qty	Carton Barcode	Weight ea	Carton Dim. (W x L x H) and weight
HTT4	315 (A) x 60 (B) x 65 (C)	707392894605	16	20707392894609	0.84kgs	200mm x 360mm x 180cm, 13.50kgs
HTT4-KTM	HTT4 15kN bracewall Hold Down Kit	707392015901	4	10707392015908	2.20kgs	210mm x 410mm x 180mm, 9.01kg
HTT5	405 (A) x 60 (B) x 65 (C)	707392617907	10	10707392617904	0.98kgs	240mm x 520mm x 95cm, 9.84kgs
HTT5KT	HTT5 Tension Tie Kit: includes BP 5/8-1 bearing plate washer and 26-SD #10x2 1/2 screws.	707392357803	10	10707392357800	1.21kgs	240mm x 520mm x 95cm, 12.10kgs
HTT22E	558 (A) x 60 (B) x 63 (C)	3523140697987	10	3523140765068	1.18kgs	370mm x 660mm x 80cm, 12.10kgs



HTT4



HTT5



HTT22E

Designed and Tested

Simpson Strong-Tie® connectors have been designed and tested for use with specific types and sizes of nails or screws. The specified fastener size, type and quantity must be installed in the correct holes on the connector to achieve published loads.

Other factors such as the fastener material and finish are also important as the use of incorrect fasteners or misinstallation can compromise the connector performance and could lead to failure. Simpson Strong-Tie has a broad range of fasteners designed to suit our range of connectors.

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