

HTT4 Bracewall Holdown Kit

The heavy-duty high strength solution for external and internal bracewall applications

SIMPSON
Strong-Tie



All the hardware you need in one convenient pack

Simpson Strong-Tie is the market leader in holdown brackets. The HTT4 is designed for heavy-duty holdown applications including external and internal 15kN bracewalls for concrete floors in accordance with NZS 3604:2011.

The HTT4 Bracewall Holdown Kit is ideal for retrofit or new construction projects where homeowners and builders require a superior holdown bracket with less joint slip or fastener/connector deformation.

Features and Benefits

- The HTT4 has a multi ply seat, formed from a single piece of steel providing extra strength.
- Unique screw pattern provides better results with less deflection.
- The Strong-Drive® SD Connector screws install easily, reduce fastener slip and provide a greater net section area of fastening to the stud.
- Versatile as the system is suitable for heavy-duty holdown applications on single or double studs.
- Anchor hole can accommodate Simpson Strong Tie M12 Titen HD® Heavy Duty Screw Anchor or M16 threaded rod.

Applications

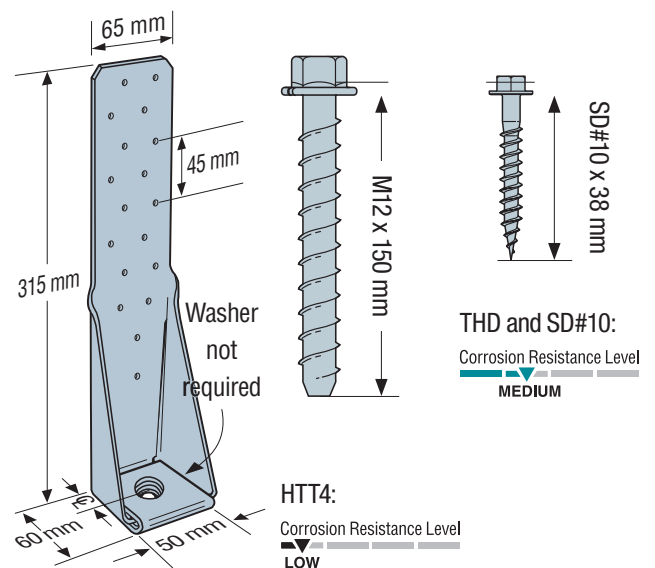
- Internal and external bracewalls for concrete floors
- Retrofit or new, residential and commercial projects

Installation

- Visit strongtie.co.nz/products/htt4-bracewall-holdown-kit for Installation Guide.

Material and Finish

- HTT4: Carbon Steel 3.1 mm thick — Z275 Galvanised.
- THD Heavy Duty Screw Anchor, and SD#10 Connector Screws: Carbon Steel — Mechanically Galvanised.
- For further details refer to corrosion information



Scan this QR code to download the Branz Appraisal or visit branz.co.nz



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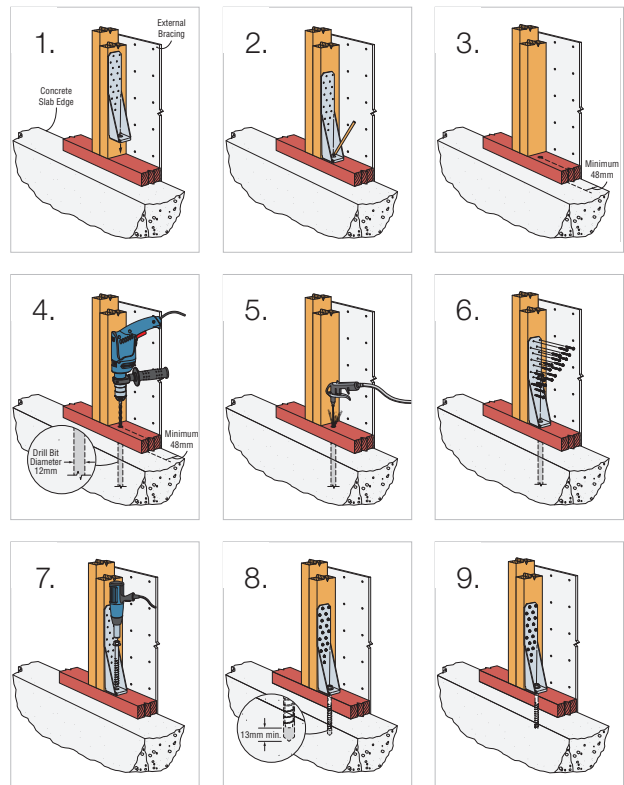
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Typical Installation

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.



Kit contents



Inner / Pack



Outer / Carton

Product Information

Model No.	Description	Pack Qty	Pack/ Ctn	Pack Barcode	Pack Dims (WxLxH) and weight	
				Carton Barcode	Carton Dims (WxLxH) and weight	
HTT4-KTM	Bracewall Holdown Kit Includes: (2) HTT4, (2) THD12150MG, (36) SD#10 x 38 mm, (1) Installation instructions.	1		707392015901	87 x 343 x 85 mm	2.2 kg
			4	1707392015908	210 x 410 x 180 mm	9.01 kg