# HTT4 — Bracewall Holdown Kit

#### Material:

HTT4: Carbon Steel 3.1mm thick THD & SD: Carbon Steel

#### Finish:

HTT4: Z275 Galvanised

Corrosion Resistance Level

THD & SD: Mechanically Galvanised

d Corrosion Resistance Level

Size: See illustration below

## Features & Benefits

- Designed for external and internal braced walls for concrete floors constructed in accordance with NZS 3604:2011
- Can be installed anytime before plasterboard or wall lining
- The load capacities are applicable for both 20MPa and 17MPa concrete strengths
  The HTT4 Tension Tie & Holdown Bracket has a multi ply seat
- formed from a single piece of steel, provides extra strength
  The Titen HD<sup>®</sup> Heavy Duty Screw Anchor has serrated cutting teeth and patented thread design, which reduce installation torque, enable quick and easy installation
- Uses Strong-Drive<sup>®</sup> SD#10 x 38mm Connector screws including an unique screw pattern that provides less joint slip or fastener/connector deformation

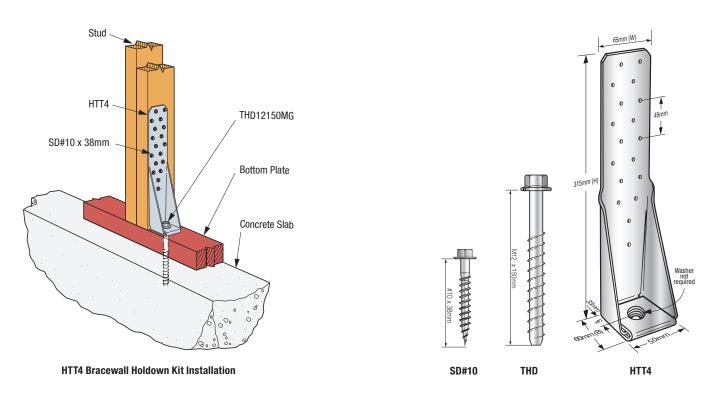
### Approvals

• THD Approvals - BRANZ Appraisal 983 (2018) for applications related to bottom plate fixings and holdown applications per NZS 3604 using Titen HD

#### Installation

- The Kit requires no additional washer
- Follow the installation guide

## **Construction Details**



Simpson Strong-Tie® (New Zealand) Ltd Call 09 477 4440 www.strongtie.co.nz This flyer reflects information available as of August 25, 2021 and may be updated periodically. Simpson Strong-Tie Limited Warranty: For the Limited Warranty that applies to Simpson Strong-Tie products, please consult www.strongtie.co.nz/warranty. To obtain a copy of the Limited Warranty, contact us at 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 structura, 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.



## HTT4 — Bracewall Holdown Kit

#### HTT4 Bracewall Holdown Kit Technical Data

	HTT4 Dimensions (mm)				Anchor & Fasteners			
Model No.	w	н	Foot Projection	Distance Post to Bolt (CL)	Anchor Bolt	Post Fasteners (No Dia. x Length) (mm)	Framing Information	Characteristic Load, R <sub>k</sub> (kN)
HTT4-KTM	65	315	60	33	THD12150MG	18 – SD#10 x 38	Suits 90mm and 140mm wall Framing	15 kN Uplift

1. Characteristic capacities where derived using EM1 as referenced in NZS 3604.

## HTT4 Bracewall Holdown Kit Installation Data

Installation Data	Description	Millimetre
	Drill Hole Diameter	12
Anchor Installation Data	Maximum Diameter of Drill Bit	12.5
Anchor Installation Data	Drill Depth	105
	Nominal Embedment Depth	95
	Minimum Concrete Thickness	150
Concrete Thickness, Edge Distance and Spacing	Minimum Edge Distance	48
Distance and optioning	Minimum Spacing	80