

Technical data sheet

SIMPSON

Strong-Tie

HMBTS

High Movement Timber Frame Tie

The HMBTS type 7 timber frame wall tie is designed to connect the masonry outer leaf to a structural timber frame.

- Available is a range of sizes to suit cavities from 50mm to 150mm.
- The HMBTS can accommodate up to 65mm of vertical movement.
- Type 7 wall tie used in instances where the amount of required deflection exceeds that of the standard type 6 wall tie.

Features

General Information

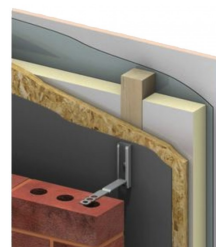
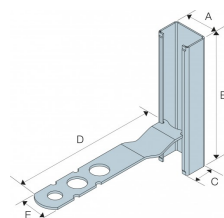
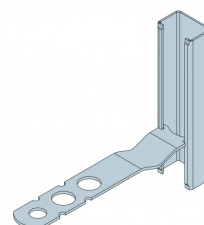
- Type 7 wall tie used in instances where the amount of required deflection exceeds that of the standard Type 6 wall tie.
- Available in a range of sizes to suit cavities from 50mm to 100mm.
- The HMBTS can accommodate up to 65mm of vertical movement
- CE Marked in accordance to EN845-1

Material

Austenitic Stainless Steel

NEW

CE



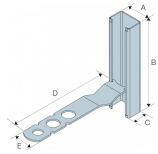
HMBTS Installed

HMBTS

High Movement Timber Frame Tie

Technical Data

Product Dimensions & Performance Values



| References | Cavity Width [mm] | Product Dimensions [mm] | | | | | Characteristic Capacities [N] | |
|------------|-------------------|-------------------------|----|----|-----|----|-------------------------------|---------------------------|
| | | A | B | C | D | E | Ultimate Compressive Strength | Ultimate Tensile Strength |
| HMBTS50N | 50 | 24 | 90 | 16 | 115 | 19 | 970 | 1210 |
| HMBTS75N | 75 | 24 | 90 | 16 | 130 | 19 | 970 | 1210 |
| HMBTS100N | 100 | 24 | 90 | 16 | 150 | 19 | 970 | 1210 |
| HMBTS150N | 150 | 24 | 90 | 16 | 200 | 19 | 970 | 1210 |

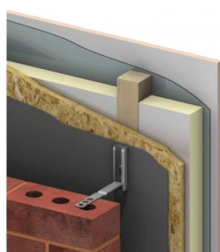
HMBTS

High Movement Timber Frame Tie

Installation

Installation

- HMBTS is installed with the M6x50mm Stainless Steel Coach Screw (supplied)
- The channel is to be positioned onto the timber frame so that the coach screw is installed through the OSB sheathing and into the timber frame stud.
- Position the HMBTS so that when the tie is installed it sits 10mm to 12mm from the bottom of the channel.
- The density of ties required for the building is to specified by the buidling designer / structural engineer

*HMBTS Installed*