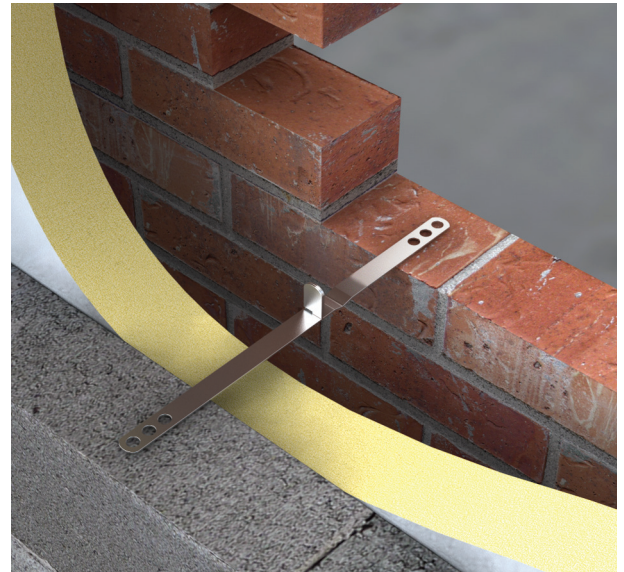
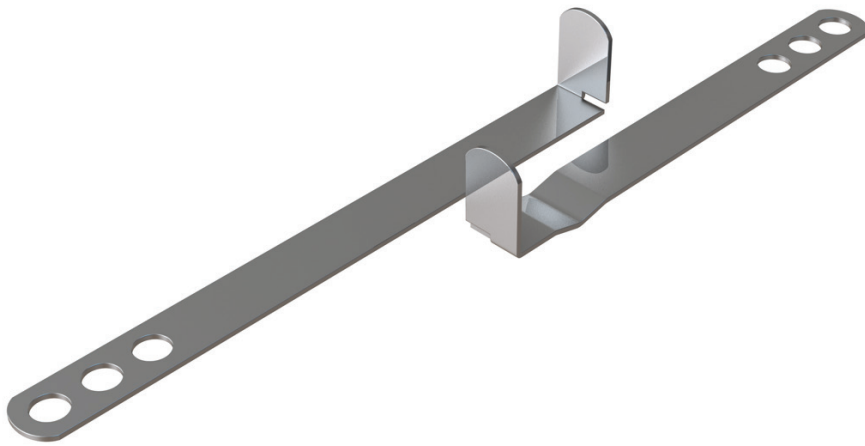


# Two Part Wall Tie

## Masonry to Masonry Wall Ties

These products act to secure two leaves of a cavity wall to each other, allowing them to act as one structurally. A cavity tie usually incorporates some mechanism, (usually a change of shape) to discourage moisture moving across the tie. Most cavity ties are available with a dedicated clip to secure insulation (usually in sheet form) within the cavity.



### TPT Two Part Wall Tie

As a result of problems experienced over wider cavities (150mm to 300mm) and their weight causing long ties to overturn, the two part tie allows larger cavities to be spanned, (up to BS EN 845-1 standard for a type 2 tie). The shorter section is built into the inner leaf as construction proceeds, whilst the longer section is locked into the inner section and built into the outer leaf as it lifts.

450mm long stainless steel Two Part Wall Ties, were tested in tension and compression over a nominal cavity width of 300mm in accordance with BS EN 846-6 Methods of Test for Ancillary Components for Masonry. Part 5; Determination of tensile and compressive load capacity and load displacement characteristics of wall ties (Couplet test).

### Test Results

Summary of Declared Values of 450mm long ties tested in tension and compression at a standard cavity width of 300mm.

#### Part E - Type B ties for external walls where a Type A tie is not suitable

These ties must either be double triangle tie to BS1243 (only used in 50mm-75mm cavities) or ties with a measured dynamic stiffness of  $<113\text{MN/m}^3$  taking both cavity width and tie density into account.

Independent tests have proved that the TPT Two Part Wall Tie has a measured dynamic stiffness of  $<113\text{MN/m}^3$  in a 100mm cavity and is therefore more than suitable for external walls at a standard density of 2.5 per square metre.

Load Direction	Maximum Declared Value at Ultimate Load (N)
450mm Long Tie @ 300mm Cavity	
<b>Tension</b>	<b>3522</b>
<b>Compression</b>	<b>1680</b>