

## TTSFC/TTSFCV Test results - BS EN 845-1 : 2013

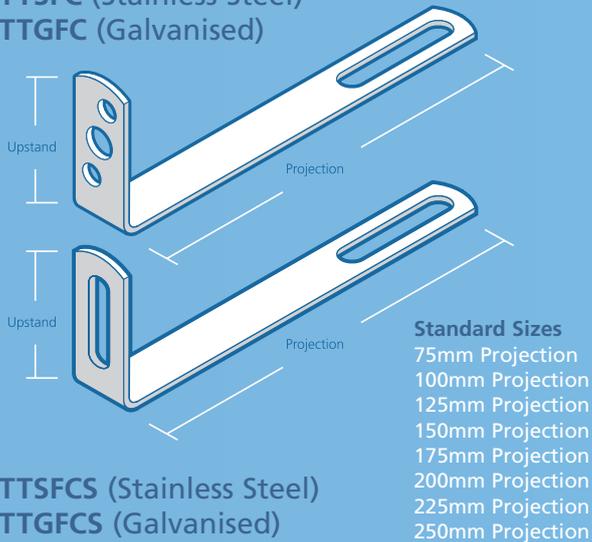
Mean Load Capacity	Tension	Compression
non V-Drip 75mm - 250mm 3 holes	480N	1130N
non V-Drip 75mm - 250mm Slot	530N	1130N
V-Drip 125mm - 250mm 3 holes	480N	1070N
V-Drip 125mm - 250mm Slot	530N	1070N
V-Drip 275mm - 300mm 3 holes	480N	1380N
V-Drip 275mm - 300mm Slot	530N	1380N

Displacement at 1/3 load	Tension	Compression
non V-Drip 75mm - 250mm 3 holes	1.01mm	0.56mm
non V-Drip 75mm - 250mm Slot	1.07mm	0.56mm
V-Drip 125mm - 250mm 3 Holes	1.01mm	0.56mm
V-Drip 125mm - 250mm Slot	1.07mm	0.56mm
V-Drip 275mm - 300mm 3 holes	1.01mm	0.36mm
V-Drip 275mm - 300mm Slot	1.07mm	0.36mm

## Frame Cramps

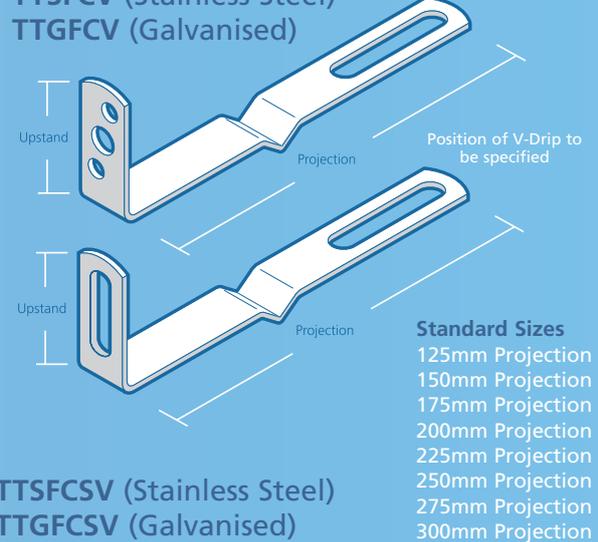
Available with three holes or a slot in the upstand for screwfix, bolting or shotfiring and safety end detail for embedment. Manufactured in Stainless Steel and Galvanised Steel.

### TTSFC (Stainless Steel) TTGFC (Galvanised)



Non Standard sizes available to order.

### TTSFCV (Stainless Steel) TTGFCV (Galvanised)



Non Standard sizes available to order.

### TTSFCS (Stainless Steel) TTGFCS (Galvanised)

## Clasp Ties

This product is designed to restrain masonry to vertical structures. Three holes for screwfix, bolting or shotfiring and safety end detail for embedment. Manufactured in Stainless or Galvanised Steel.

### TTSCT (Stainless Steel) TTGCT (Galvanised)



Special sizes can be manufactured to order

All TecTies Restraint and Movement Fixings are independently tested at Ceram Building Technology, a UKAS accredited laboratory NO 0013, to the requirements in Standard BS EN 845-1:2003.

## TTSCT Test Results BS EN 845-1 : 2013

	Mean Load Capacity	Displacement at 1/3 load
Tension	8900N	1.13mm



In line with NHBC technical requirements.

# Restraint & Movement Fixings

## Movement Ties

These products are designed to provide restraint in one direction and movement to allow for horizontal expansion and contraction. The Debonding Sleeve is located over the embedment detail to allow the tie to move.

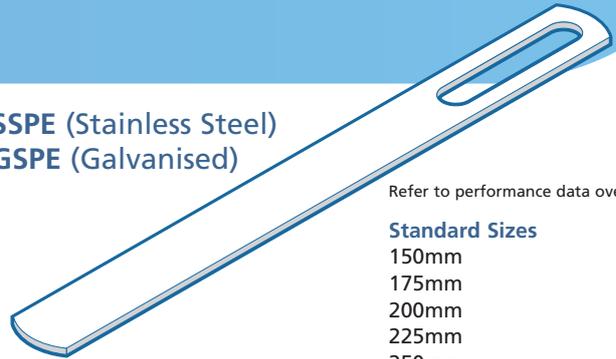
Typical usages are in areas where masonry is restrained to Steelwork columns and in long spans of brickwork where movement joints are required.

**TTSB (Stainless Steel)**  
**TTGB (Galvanised)**



**Standard Sizes**  
200mm  
225mm  
250mm

**TTSSPE (Stainless Steel)**  
**TTGSPE (Galvanised)**



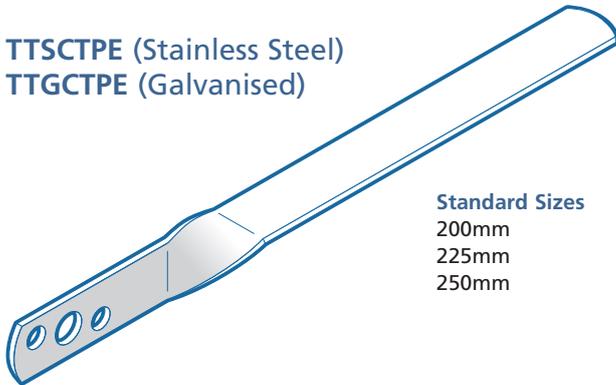
Refer to performance data overleaf.

**Standard Sizes**  
150mm  
175mm  
200mm  
225mm  
250mm

### TTSSPE Test Results BS EN 845-1 : 2013

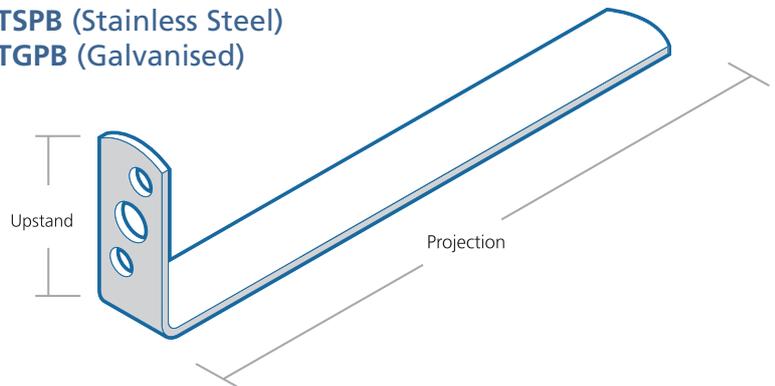
	Mean Load Capacity	Displacement at 1/3 load
Shear	2610N	NPD
Tension	1950N	0.65mm

**TTTCTPE (Stainless Steel)**  
**TTGCTPE (Galvanised)**



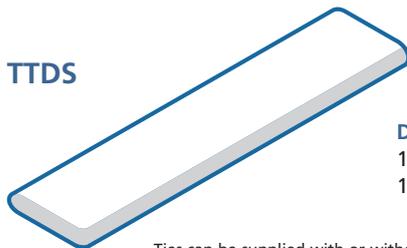
**Standard Sizes**  
200mm  
225mm  
250mm

**TTSPB (Stainless Steel)**  
**TTGPB (Galvanised)**



**Standard Sizes**  
100mm Projection  
125mm Projection  
150mm Projection  
175mm Projection  
200mm Projection

**TTDS**



**Debonding sleeve**  
100mm x 20mm  
150mm x 20mm

Ties can be supplied with or without sleeve



In line with NHBC technical requirements.

Special sizes can be manufactured to order

visit [www.tecties.co.uk](http://www.tecties.co.uk) for more information or call **01663 749361**

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