

## PICKING THE CORRECT WALL TIE

Where the building height exceeds 10 metres. Type 4 Housing Ties can still be used in party walls - particularly where floors are built off individual floor slabs. Test results for the use of Type 4 Housing Ties prove their performance for exterior walls where the wind forces are much greater. Party walls only receive approximately 20% of these wind forces but where the contractor is unsure of the structural integrity of the party walls they should check with their local authority or NHBC inspector that the use of Housing Ties is acceptable.

Care should be taken when selecting wall ties as ultimately, although ties can generally be used in cavity widths as above, other parameters such as wind forces and height above sea level etc should be taken into consideration.

The table below is a general guide for the use of wall ties in buildings with party walls.

Code	Wall Tie DD140 Designation	Total Building Height From Slab	Maximum Cavity	Part E Designation	Use in party walls?
<b>HOUSING TIES</b>					
200mm	Type 4	10 metre	75mm	Type A	YES
225mm	Type 4	10 metre	100mm	Type A	YES
250mm	Type 4	10 metre	125mm	Type A*	YES
275mm	Type 4	10 metre	150mm	Type A	YES
<b>GENERAL PURPOSE TIES</b>					
200mm	Type 2	15 metre	75mm	Type B	NO
225mm	Type 2	15 metre	100mm	Type B	NO
250mm	Type 2	15 metre	125mm	Type B	NO
<b>DOUBLE TRIANGLE</b>					
225mm/250mm	Type 2	15 metre	100mm	Type B	NO
275mm* & 300mm*	Type 3	15 metre	150mm	Type B	NO
<b>HEAVY DUTY</b>					
225mm	Type 1	Any height	150mm	Type B	NO
300mm	Type 1	Any height	150mm	Type B	NO
<u>NOTES</u>					
* 250mm should only be used in a party wall cavity of minimum 125mm width.					

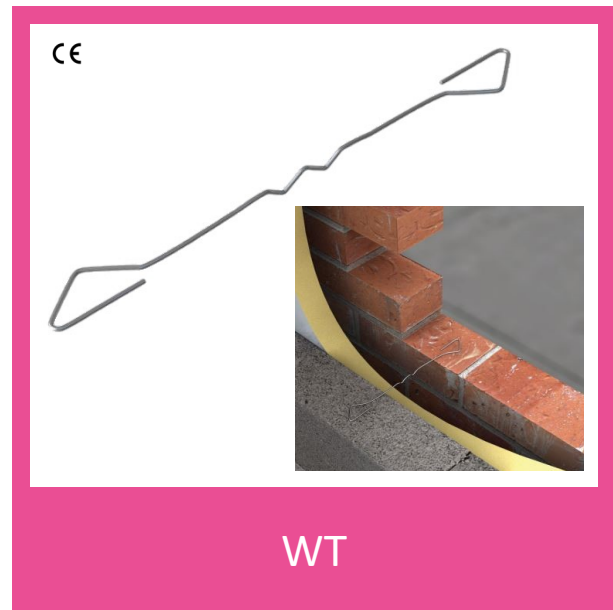
## Housing Tie WT

The Type 4 Light Duty Housing Tie offers a practical and cost effective solution for masonry cavity walls in box form domestic dwellings of up to a maximum 10m in height.

- Multidrip feature to prevent moisture travelling across the cavity.
- The design means that the tie can be installed either way up.

## SPECIFICATION

- Tested as Type A (sound) Tested as Type 4 (strength) to BS EN 845-1.



Code	Product	Tie Length (mm)	Cavity Width (mm)	Compressive Load Capacity (N)	Tensile Load Capacity (N)	Height (m)	Pack Qty.
<b>Stainless Steel Type 4 Housing Ties Part E Type A</b>							
WT200	Housing Tie	200	50 to 75	557	1256	10	250
WT225	Housing Tie	225	76 to 100	557	1256	10	250
WT250	Housing Tie	250	101 to 125	638	1879	10	250
WT200/50	Housing Tie	200	50 to 75	557	1256	10	50
WT225/50	Housing Tie	225	76 to 100	557	1256	10	50
WT250/50	Housing Tie	250	101 to 125	638	1879	10	50

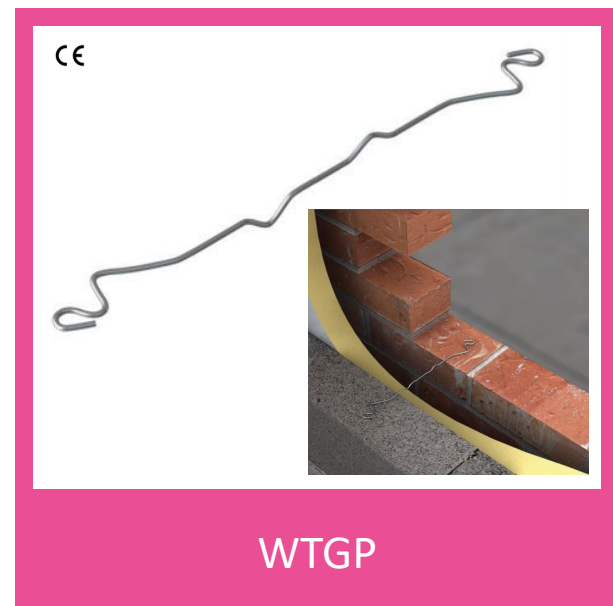
## General Purpose Wall Tie WTGP

The Type 2 General Purpose Tie offers a practical and cost effective solution for masonry cavity walls in domestic houses and small commercial buildings of up to a maximum 15m in height.

- Multidrip feature to prevent moisture travelling across the cavity.
- The design means that the tie can be installed either way up.

## SPECIFICATION

- Tested as Type B (sound) Tested as Type 2 (strength) to BS EN 845-1.



Code	Product	Tie Length (mm)	Cavity Width (mm)	Compressive Load Capacity (N)	Tensile Load Capacity (N)	Height (m)	Pack Qty.
<b>Stainless Steel Type 2 Housing Ties Part E Type B</b>							
WTGP200	General Purpose Tie	200	50 to 75	1321	2419	15	250
WTGP225	General Purpose Tie	225	76 to 100	1321	2419	15	250
WTGP250	General Purpose Tie	250	101 to 125	1398	1818	15	250
WTGP200/50	General Purpose Tie	200	50 to 75	1321	2419	15	50
WTGP225/50	General Purpose Tie	225	76 to 100	1321	2419	15	50

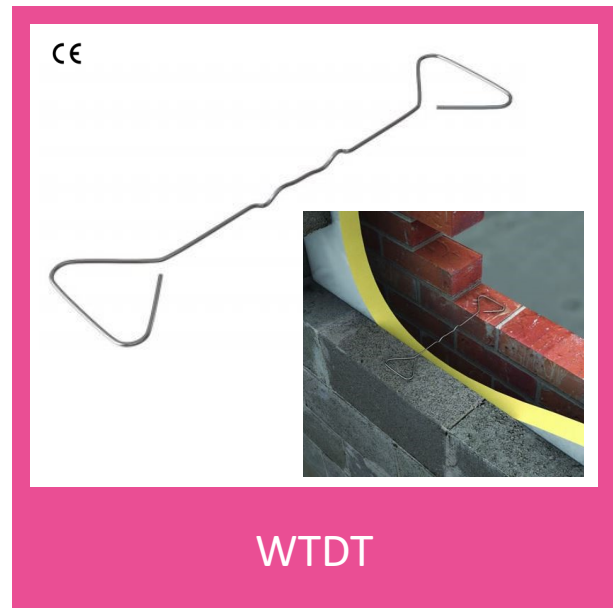
## Double Triangle Wall Tie WTD

The Double Triangle Wall Tie is the traditional wall tie for domestic houses and small commercial buildings of a maximum 15m in height.

- Multidrip feature to prevent moisture travelling across the cavity.
- The design means that the tie can be installed either way up.

### SPECIFICATION

- Tested as Type B (sound) Tested as Type 2 & 3 (strength) to BS EN 845-1.



Code	Product	Tie Length (mm)	Cavity Width (mm)	Compressive Load Capacity (N)	Tensile Load Capacity (N)	Height (m)	Pack Qty.
Stainless Steel Type 2 Housing Ties Part E Type B							
WTD200	Double Triangle Tie	200	50 to 75	1702	2666	15	250
WTD225	Double Triangle Tie	225	76 to 100	1702	2666	15	250
WTD250	Double Triangle Tie	250	76 to 100	1702	2666	15	250
WTD300	Double Triangle Tie	300	76 to 100	1012	2076	15	250
HWD/25	Double Triangle Wall Ties	250	76 to 100	1702	2666	15	25

## Heavy Duty Wall Tie WTT

The Heavy Duty Type 1 Wall Tie offers a practical and cost effective solution in most cavity walls. The ties are specifically designed for cavity widths up to 150mm and buildings of any height.

- Multidrip feature to prevent moisture travelling across the cavity.
- The design means that the tie can be installed either way up.

### SPECIFICATION

- Tested as Type B (sound) Tested as Type 1 (strength) to BS EN 845-1.



Code	Product	Tie Length (mm)	Cavity Width (mm)	Compressive Load Capacity (N)	Tensile Load Capacity (N)	Height (m)	Pack Qty.
Stainless Steel Type 2 Housing Ties Part E Type B							
WTT1/225	Heavy Duty Tie	225	76 to 100	6338	8352	Any	250
WTT1/250	Heavy Duty Tie	250	101 to 125	6338	8352	Any	250

## Insulation Clip WTIC

The Universal Wall Tie Clip is a retaining clip used to hold insulation material against the inner wall of a cavity.



Code	Product	Height (m)	Pack Qty.
WTD200	Double Triangle Tie	15	250