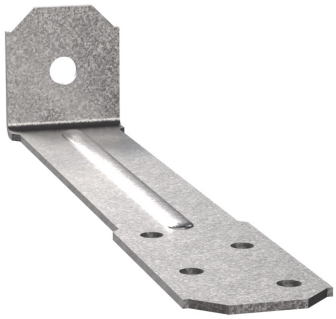
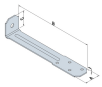
Technical Sheet

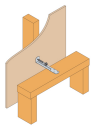
SPWT
Stepped Party Wall Tie

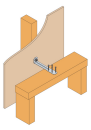
The SPWT has been specifically designed and engineered to connect separating walls of attached timber framed buildings. The SPWT is to be used for applications where the timber frame separating walls are stepped, typically in terraced or semi-detached housing, built on sloped elevations.

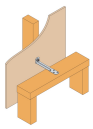












Features

Material

Pre-galvanised Mild Steel - Z275

Features

The SPWT design ensures minimum material section for optimum sound performance.

- Meets the requirements of Part E of The Building Regulations (Resistance to the Passage of Sound)
- Compliant with Building Standards Scotland - Section 5 (Noise)
- Compliant with E-WT-1 & E-WT-2 (Robust Details) for separating wall straps
- Suits timber frame separating wall with cavities from 50 to 75mm
- Supplied with SSH screw for fixing into the timber frames vertical stud

Technical Sheet

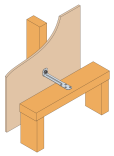
SPWT
Stepped Party Wall Tie

Technical Data



Dimensions

Reference	Connector Dimensions						
	Product Dimensions[mm]				Joist	Holes Flange C	Other
	A[mm]	B[mm]	C[mm]	Thickness[mm]	Round Ø4.1	Round Ø6.2	Weight[kg]
SPWT	25	140	25	1.5	4	1	0.06



Performance Values

Reference	Angle bracket capacity				
	Number of Fasteners				Performance Values
	Joist		Flange C		Characteristic Load[kN]
	Qty	Type	Qty	Type	R5,k = R6,k
SPWT	4.0	N3.75x30	1.0	SSH6.0x60	2.6

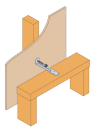
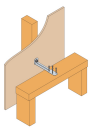
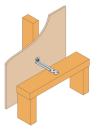
Notes:

1. R_5 and R_6 loads are tension and compression loads through the length of the tie
2. Performance values are based upon tests, with the SSH fixed through 9mm OSB into a 38mm wide face of the timber stud.

Installation

Installation

- Fix the SPWT to the face of the vertical stud with 1 No SSH6.0x60 screw (supplied). Note, the SPWT can be screwed directly to the narrow face of the stud (minimum 38mm wide) or through the wall sheathing (minimum 9mm OSB) into the stud.
- The SPWT is then fixed to the top of the adjacent timber frame panels top rail with 4 No 3.75x30mm square twist nails (NOT supplied), ensuring a minimum 20mm nail edge distance.
- Ties are typically installed at 1200mm centres horizontaly, one row of ties per storey height.



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