

1. *Unique Identification code:* BTS, SWT
2. *Intended use/es:* Asymmetrical Wall Tie For Connecting Timber Frame Walls or SIP's to Masonry Walls
3. *Manufacturer:* Simpson Strong-Tie, Winchester Road, Cardinal Point, Tamworth, B78 3HG. | www.strongtie.co.uk
4. *Authorised Representative:* N/A
5. *System/s of AVCP:* 3
6. *Designated Standard:*

BS EN Number	Approved Body Number
BS EN 845-1:2016	1289

7. *Declared Performance/s:*

Essential Characteristics	Performance		Technical Specification
RANGE			
Product Family	BTS (Cavities 50 to 100mm)	SWT (Cavities 50 to 100mm)	
MECHANICAL STRENGTH & STIFFNESS			
Tensile Strength	601 N	714 N	BS EN 845-1 clause 5.3.1.2.1; BS EN 846-5
Displacement Under Load ^[c]	0.99 mm	0.67 mm	BS EN 845-1 clause 5.3.1.2.3
Failure Mode	5mm DISPLACEMENT		
Compressive Strength (Design Cavity + 15mm)	260 N	260 N	BS EN 845-1 clause 5.3.1.2.2; BS EN 846-5
Displacement Under Load ^[c]	0.37 mm	0.37 mm	BS EN 845-1 clause 5.3.1.2.3
Compressive Strength (Design Cavity)	414 N	414 N	BS EN 845-1 clause 5.3.1.2.2; BS EN 846-5
Displacement Under Load ^[c]	0.38 mm	0.38 mm	BS EN 845-1 clause 5.3.1.2.3
Failure Mode	BUCKING OF TIE		
Water Shedding Capability	RESISTANT		BS EN 845-1 clause 5.4
Minimum Mortar Embedment Depth	60 mm		BS EN 845-1 clause 5.2.2.1
Minimum Mortar Joint Thickness	10 mm		BS EN 845-1 clause 5.2.3.1
Minimum Mortar Class	Type 2		
DURABILITY			
Material	Austenitic Stainless Steel Grades: 1.4301		EN 10088-3
Corrosion Protection	Material/Coating Reference: 03		BS EN 845-1 Table A.1
Dangerous Substances	None		

- a) Performance of structural behavior and structural design calculation requirements can be found at: N/A
- b) NPD = No Performance Determined
- c) Displacement at 1/3 of the Declared Strength

8. *Appropriate Technical Documentation and/or Specific Technical Documentation:* N/A

The performance of the product/s identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued in accordance with Regulation (EU) No 305/2011, as it has effect in the United Kingdom, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Malcolm Paulson
Regional Director, UK & Ireland
(Tamworth, UK. 27/10/2022)