



Declaration of Performance

SIMPSON**Strong-Tie**DoP-h10/0017
(Issue 2.0)

1. *Product Type:* Dowel-type Timber Fasteners – Wood Screws
2. *Identification:* SDW & SDWS
3. *Intended Use:* For structural timber products
4. *Manufacturer:* Simpson Strong-Tie Int. Ltd.
For local branch addresses refer to www.strongtie.eu
5. *Authorised Representative:* N/A
6. *System of Assessment:* 3
- 7, 8. *Technical Specifications & Notified Bodies:*

	Name	No.	System of Assessment	Document Reference	EAD (ETAG) No. EN Standard
Technical Assessment	Simpson Strong-Tie	2209	3	ITTR-10/0017	EN14592:2012
Factory Production Control	Simpson Strong-Tie	-	-	-	-

9. Declared Performance:

Essential Characteristics	Performance		Technical Specification
	SDW	SDWS	
MECHANICAL STRENGTH & STIFFNESS			
Yield Moment – $M_{y,k}$ (KNmm)	15.5	19.14	EN 14592 clause 6.3.4.1 – 6.3.4.2 Calculated to EN 1995-1-1
Withdrawal Parameter – $f_{ax,k}$ (N/mm ²)	7.8	15.14	EN 14592 clause 6.3.4.3; Tested to EN 1382, characteristic timber density 350 kg/m ³
Head Pull Through Parameter – $f_{head,k}$ (N/mm ²)	10.8	21.86	EN 14592 clause 6.3.4.4; Tested to EN 1383, characteristic timber density 350 kg/m ³
Characteristic Tensile Capacity – $f_{tens,k}$ (kN)	20.5	20.32	EN 14592 clause 6.3.4.4; Tested to EN 1383, characteristic timber density 350 kg/m ³
Characteristic Torsional Strength – $f_{tor,k}$ (Nm)	20.6	17.84	EN 14592 clause 6.3.4.5; Tested to EN ISO 10666, characteristic timber density 350 kg/m ³
DURABILITY			
Material	C20D	-	EN14592 clause 6.3.2; EN10016
	-	23B2	EN14592 clause 6.3.2; EN10263
Corrosion Protection	No Corrosion Protection Required	-	Service classes 1 & 2 to EN 1995-1-1; Table 4.1
	-	Double Barrier Protection	Service classes 1, 2 & 3 to EN 1995-1-1; Table 4.1. (Equivalent to Hot Dip Galvanised)

(NPD – No Performance Determined)

10. The performance of the products identified in points 1. & 2. is in conformity with the declared performance in point 9.
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Laurent Versluysen
European Managing Director

(Sainte Gemme La Plaine, Fr. 26/03/2014)