



Declaration of Performance



DoP-h10/0017
(Issue 3.0)

1. *Unique Identification code:* **SDW & SDWS**
2. *Intended use/es:* Timber structures - Dowel-type fasteners / Screws
3. *Manufacturer:* Simpson Strong-Tie Int. Ltd
For local branch addresses refer to www.strongtie.eu
4. *Authorised Representative:* N/A
5. *System/s of AVCP:* 3
6. *Harmonized Standard or European Assessment Document:*

hEN Number	Notified Body Number/s
EN 14592:2008 + A1:2012	1015 / 2209

7. *Declared Performance/s:*

Essential Characteristics	Performance ^{a)}		Technical Specification
	SDW $\varnothing 8x$...	SDWS $\varnothing 8x$...	
MECHANICAL STRENGTH & STIFFNESS			
Yield Moment – $M_{y,k, \text{threaded section}}$ [Nm]	17,4		EN 14592 clause 6.3.4.2, Tested to EN 409
Yield Moment – $M_{y,k, \text{smooth section}}$ [Nm]	31,6		EN 14592 clause 6.3.4.2; Tested to EN 409
Withdrawal Parameter – $f_{ax,k}$ [N/mm ²]	13,2		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]	21,4		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]	21,4		EN 14592 clause 6.3.4.5; Tested to EN 1383, characteristic timber density 350 kg/m ³
Characteristic Torsional Strength – $f_{tor,k}$ [Nm]	24,2		EN 14592 clause 6.3.4.6; Tested to EN ISO 10666, characteristic timber density 350 kg/m ³
DURABILITY			
Material	C20D / 10B21	C20D / 10B21	EN 14592 clause 6.3.2; EN 16120 series / SAE J 403
	-	23B2	EN 14592 clause 6.3.2; EN 10263 series
Corrosion Protection	E-Coat™ ($t_m \geq 18 \mu\text{m}$)	-	Service classes 1 & 2 to EN 1995-1-1; Table 4.1
	-	Double Barrier Protection ($t_m \geq 30 \mu\text{m}$)	EN 14592 clause 6.3.5; Service classes 1, 2 & 3 to EN 1995-1-1; Table 4.1. (equivalent to HDG)

a) NPD = No Performance Determined

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, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Michael Andersen
Vice President, European Operations

(Sainte Gemme La Plaine, Fr. 30/10/2018)