



Declaration of Performance



DoP-h10/0002
(Issue 2,0)

1. **Product Type:** Dowel-type Timber Fasteners – Wood Screws
2. **Identification:** CSA
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-10/0002	EN14592:2012
Factory Production Control	Simpson Strong-Tie	-	-	-	-

9. **Declared Performance:**

Essential Characteristics	Performance							Technical Specification
RANGE								
	4.0x30	5.0x25	5.0x40HCR	5.0x80-DE	5.0x25S 5.0x25ST	5.0x35S 5.0x35ST	5.0x40S 5.0x40ST	
MECHANICAL STRENGTH & STIFFNESS								
Yield Moment – $M_{y,k}$ (KNmm)	2.5	4.7	4.2	4.7	3.8	3.8	3.8	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)	13.8	13.0	13.7	14.3	13.0	11.9	11.0	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)	19.2	21.4	NPD	24.7	23.6	23.6	23.6	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)	6.4	8.9	7.4	8.5	6.7	6.7	6.7	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)	3.5	5.4	5.2	6.2	3.9	3.9	3.9	EN 14592 clause 6.3.4.5; Tested to EN ISO 10666, characteristic timber density 350 kg/m ³
DURABILITY								
Material	C18D		1.4529	C15B	1.4401 or 1.4404			EN14592 clause 6.3.5; EN10016-2, EN10263-3; EN10088-3
Corrosion Protection	Electroplated > 12 µm	Diameter > 4mm. No corrosion protection required.						Service classes 1 & 2 to EN 1995-1-1; Table 4.1

(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. 07/08/2014)