



# Declaration of Performance



DoP-h14/0004  
(Issue 2.0)

1. *Unique Identification code:* **CHB**
2. *Intended use/es:* Screws for structural timber products
3. *Manufacturer:* Simpson Strong-Tie Int. Ltd  
For local branch addresses refer to [www.strongtie.eu](http://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 <sup>a)</sup>	Technical Specification
	CHB Ø4,0 x ..	
<b>MECHANICAL STRENGTH &amp; STIFFNESS</b>		
Yield Moment – $M_{y,k}$ [Nm]	3,7	EN 14592 clause 6.3.4.2, Tested to EN 409
Withdrawal Parameter – $f_{ax,k}$ [N/mm <sup>2</sup> ]	16,1	EN 14592 clause 6.3.4.3; Tested to EN 1382, characteristic timber density 350 kg/m <sup>3</sup>
Head Pull Through Parameter – $f_{head,k}$ [N/mm <sup>2</sup> ]	24,0	EN 14592 clause 6.3.4.4; Tested to EN 1383, characteristic timber density 350 kg/m <sup>3</sup>
Characteristic Tensile Capacity – $f_{tens,k}$ [kN]	5,6	EN 14592 clause 6.3.4.5; Tested to EN 1383, characteristic timber density 350 kg/m <sup>3</sup>
Characteristic Torsional Strength – $f_{tor,k}$ [Nm]	3,8	EN 14592 clause 6.3.4.6; Tested to EN ISO 10666, characteristic timber density 350 kg/m <sup>3</sup>
<b>DURABILITY</b>		
Material	Carbon Steel, hardened	EN14592 clause 6.3.2: EN 16120 series / ASTM A510
Corrosion Protection	Electrodeposited zinc coating – Fe/Zn5/A	EN ISO 2081 Service Class 1 acc. to EN 1995-1-1; Table 4.1

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. 16/11/2018)