



# Declaration of Performance



DoP Number: **DoP-h19/0016-01**

- 1 **Unique Identification Code:** **WSV**
- 2 **Intended Use:** For use in load bearing timber structures
- 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 of Assessment:** 3

## 6 Harmonized Standard or European Assessment Document

hEN Number	Notified Body Number	ITTR Number
EN 14592:2008+A1:2012	1015	ITTR-19/0016

- 7 **Declared Performance:** (see also pages 2 and/or 3) **NPD = No Performance Determined**

### Durability

Material (5) / Corrosion Protection	Service Class
Electro galvanized - 5 µm	Service Class 2

#### Notes:

- (1) EN14592 clause 6.3.4.1 - 6.3.4.2; Tested to EN 409
- (2) EN14592 clause 6.3.4.3; Tested to EN1382, characteristic timber density 350 kg/m3
- (3) EN14592 clause 6.3.4.4; Tested to EN1383, characteristic timber density 350 kg/m3
- (4) EN14592 clause 6.3.4.4; Tested to EN1383, characteristic timber density 350 kg/m3
- (5) EN14592 clause 6.3.5
- (6) EN14592 clause 6.3.4.6; Tested to EN ISO 10666, characteristic timber density 450 kg/m3

- 8 **Appropriate Technical Documentation and/or Specific Technical Documentation** N/A

The performance of the product/s identified above are 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 on behalf of the manufacturer by:

**Michael Andersen**  
Vice President, European Operations

  
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(Sainte Gemme La Plaine, Fr.) 26/05/2020



## Declaration of Performance



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### Geometry (mm unless otherwise stated)

Size	Nominal Diameter - d	Length - L	Head Diameter - dh	Inner Thread Diameter - d1	Thread Length - lg
4,6 x 44	4.6	44.0	8.5	3.1	30.0
4,6 x 51	4.6	51.0	8.5	3.1	37.0
4,6 x 64	4.6	64.0	8.5	3.1	50.0
4,6 x 76	4.6	76.0	8.5	3.1	55.0

### Mechanical Strength & Stiffness

Size	Yield Moment - $M_y, k$ [Nm] (1)	Withdrawal Parameter - $f_{ax, k}$ [N/mm <sup>2</sup> ] (2)	Head Pull Through Parameter - $f_{head, k}$ [N/mm <sup>2</sup> ] (3)	Characteristic Tensile Capacity - $f_{tens, k}$ [kN] (4)	Torsional ratio (6)
4,6 x 44	3.5	14.7	31.3	8.2	≥ 1,5
4,6 x 51					
4,6 x 64					
4,6 x 76					