Declaration of Performance

DoP Number: **DoP-h17/0010**

Issue: 2.0

1 ***Unique Identification Code:*** TTUFS

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

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 & 1235	ITTR-17/0010

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

Durability

Material (5) / Corrosion Protection	Service Class
Electro galvanised – 8 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 375*/393**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 perfromance 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 (Sainte Gemme La Plaine, Fr.) 18/03/2019

Geometry (mm unless otherwise stated)

Size	Nominal Diameter - d	Length - L	Head Diameter - dh	Inner Thread Diameter - d1	Thread Length - lg
4.5x20	4.5	20	8.4	2.8	Full thread
4.5x25	4.5	25	8.4	2.8	Full thread
4.5x30	4.5	30	8.4	2.8	Full thread
4.5x35	4.5	35	8.4	2.8	Full thread
4.5x40	4.5	40	8.4	2.8	Full thread
4.5x45	4.5	45	8.4	2.8	29
4.5x50	4.5	50	8.4	2.8	30
4.5x55	4.5	55	8.4	2.8	35
4.5x60	4.5	60	8.4	2.8	35
4.5x70	4.5	70	8.4	2.8	40
4.5x80	4.5	80	8.4	2.8	50
4.5x90	4.5	90	8.4	2.8	50
4.5x100	4.5	100	8.4	2.8	60
5x30	5	30	9.5	3.2	Full thread
5x35	5	35	9.5	3.2	Full thread
5x40	5	40	9.5	3.2	Full thread
5x45	5	45	9.5	3.2	29
5x50	5	50	9.5	3.2	30
5x55	5	55	9.5	3.2	35
5x60	5	60	9.5	3.2	35
5x70	5	70	9.5	3.2	40
5x80	5	80	9.5	3.2	40
5x90	5	90	9.5	3.2	45
5x100	5	100	9.5	3.2	60
5x110	5	110	9.5	3.2	60
5x120	5	120	9.5	3.2	60
6x40	6	40	11.6	3.8	Full thread
6x45	6	45	11.6	3.8	29
6x50	6	50	11.6	3.8	30
6x55	6	55	11.6	3.8	35
6x60	6	60	11.6	3.8	35
6x70	6	70	11.6	3.8	40
6x80	6	80	11.6	3.8	40
6x90	6	90	11.6	3.8	45
6x100	6	100	11.6	3.8	60
6x110	6	110	11.6	3.8	70
6x120	6	120	11.6	3.8	70
6x140	6	140	11.6	3.8	70
6x160	6	160	11.6	3.8	70
6x180	6	180	11.6	3.8	70

Declaration of Performance

DoP-h17/0010

Mechanical Strength & Stiffness 2.0

Size	Yield Moment - My,k [Nm] (1)	Withdrawal Parameter - fax,k [N/mm2] (2)	Head Pull Through Parameter - fhead,k [N/mm2] (3)	Characteristic Tensile Capacity - ftens,k [kN] (4)	Torsional ratio (6)
4.5x20	5.5	19.2	16.8	7.6	2.9*
4.5x25					
4.5x30					
4.5x35					
4.5x40					
4.5x45					
4.5x50					
4.5x55					
4.5x60					
4.5x70					
4.5x80					
4.5x90					
4.5x100					
5x30	7.6	13.2	18.2	9.3	3.2**
5x35					
5x40					
5x45					
5x50					
5x55					
5x60					
5x70					
5x80					
5x90					
5x100					
5x110					
5x120					
6x40	12.3	17.2	20.3	12.4	3.2*
6x45					
6x50					
6x55					
6x60					
6x70					
6x80					
6x90					
6x100					
6x110					
6x120					
6x140					
6x160					
6x180					