



Declaration of Performance



DoP Number: **DoP-h17/0015**
Issue: 3.0

- 1 **Unique Identification Code:** SSH
- 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	ITTR-17/0015

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

Durability

Material (5) / Corrosion Protection	Service Class
Impreg [®] + ≥ 8µm	Service Class 3

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 450kg/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

(Sainte Gemme La Plaine, Fr.)

18/03/2019



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Geometry (mm unless otherwise stated)

3.0

Size	Nominal Diameter - d	Length - L	Head Diameter - dh	Inner Thread Diameter - d1	Thread Length - lg
6.0x40	6.0	40.0	14.7	3.7	23.0
6.0x50	6.0	50.0	14.7	3.7	33.0
6.0x60	6.0	60.0	14.7	3.7	42.0
6.0x75	6.0	75.0	14.7	3.7	42.0
6.0x90	6.0	90.0	14.7	3.7	42.0
6.0x120	6.0	120.0	14.7	3.7	75.0
8.0x40	8.0	40.0	12.8	5.1	32.0
8.0x50	8.0	50.0	12.8	5.1	42.0
8.0x60	8.0	60.0	12.8	5.1	42.0
8.0x70	8.0	70.0	12.8	5.1	42.0
8.0x80	8.0	80.0	12.8	5.1	42.0
8.0x90	8.0	90.0	12.8	5.1	42.0
8.0x100	8.0	100.0	12.8	5.1	55.0
8.0x120	8.0	120.0	12.8	5.1	85.0
8.0x140	8.0	140.0	12.8	5.1	85.0
8.0x160	8.0	160.0	12.8	5.1	110.0
8.0x180	8.0	180.0	12.8	5.1	110.0
8.0x200	8.0	200.0	12.8	5.1	110.0
8.0x240	8.0	240.0	12.8	5.1	110.0
8.0x260	8.0	260.0	12.8	5.1	110.0
8.0x280	8.0	280.0	12.8	5.1	110.0
8.0x300	8.0	300.0	12.8	5.1	110.0
10.0x40	10.0	40.0	14.8	6.2	32.0
10.0x50	10.0	50.0	14.8	6.2	42.0
10.0x60	10.0	60.0	14.8	6.2	42.0
10.0x70	10.0	70.0	14.8	6.2	42.0
10.0x80	10.0	80.0	14.8	6.2	42.0
10.0x90	10.0	90.0	14.8	6.2	42.0
10.0x100	10.0	100.0	14.8	6.2	55.0
10.0x120	10.0	120.0	14.8	6.2	85.0
10.0x140	10.0	140.0	14.8	6.2	85.0
10.0x160	10.0	160.0	14.8	6.2	110.0
10.0x180	10.0	180.0	14.8	6.2	110.0
10.0x200	10.0	200.0	14.8	6.2	110.0
10.0x220	10.0	220.0	14.8	6.2	125.0
10.0x240	10.0	240.0	14.8	6.2	125.0
10.0x280	10.0	280.0	14.8	6.2	125.0
12.0x60	12.0	60.0	16.9	6.7	48.0
12.0x70	12.0	70.0	16.9	6.7	48.0
12.0x80	12.0	80.0	16.9	6.7	48.0
12.0x90	12.0	90.0	16.9	6.7	48.0
12.0x100	12.0	100.0	16.9	6.7	55.0
12.0x120	12.0	120.0	16.9	6.7	85.0
12.0x140	12.0	140.0	16.9	6.7	85.0
12.0x160	12.0	160.0	16.9	6.7	110.0
12.0x180	12.0	180.0	16.9	6.7	110.0
12.0x200	12.0	200.0	16.9	6.7	110.0



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Mechanical Strength & Stiffness

Size	Yield Moment - My,k [Nm] (1)	Withdrawal Parameter - fax,k [N/mm ²] (2)	Head Pull Through Parameter - fhead,k [N/mm ²] (3)	Characteristic Tensile Capacity - ftens,k [kN] (4)	Torsional ratio (6)
6.0x40	12.5	16.9	31.8	12.8	2.5
6.0x50					
6.0x60					
6.0x75					
6.0x90					
6.0x120					
8.0x40	29.5	15.6	22.0	23.2	3.1
8.0x50					
8.0x60					
8.0x70					
8.0x80					
8.0x90					
8.0x100					
8.0x120					
8.0x140					
8.0x160					
8.0x180					
8.0x200					
8.0x240					
8.0x260					
8.0x280					
8.0x300					
10.0x40	50.3	13.2	20.1	32.0	3.4
10.0x50					
10.0x60					
10.0x70					
10.0x80					
10.0x90					
10.0x100					
10.0x120					
10.0x140					
10.0x160					
10.0x180					
10.0x200					
10.0x220					
10.0x240					
10.0x280					
12.0x60	67.1	12.1	18.5	39.6	3.0
12.0x70					
12.0x80					
12.0x90					
12.0x100					
12.0x120					
12.0x140					
12.0x160					
12.0x180					
12.0x200					