



# Declaration of Performance



DoP Number: **DoP-19/0001**  
Issue: 1.0

1 **Unique Identification Code:** **SSF - Low Head Connector Screw Impreg®+**

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-19/0001

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/m<sup>3</sup>
- (3) EN14592 clause 6.3.4.4; Tested to EN1383, characteristic timber density 350 kg/m<sup>3</sup>
- (4) EN14592 clause 6.3.4.4; Tested to EN1383, characteristic timber density 350 kg/m<sup>3</sup>
- (5) EN14592 clause 6.3.5
- (6) EN14592 clause 6.3.4.6; Tested to EN ISO 10666, characteristic timber density 450kg/m<sup>3</sup>

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.) 14.02.2019



# Declaration of Performance



DoP-19/0001

Geometry (mm unless otherwise stated)

1.0

Size	Nominal Diameter - d	Length - L	Head Diameter - dh	Inner Thread Diameter - d1	Thread Length - lg
8x40	8,0	40,0	12,8	5,1	32,0
8x50	8,0	50,0	12,8	5,1	42,0
8x60	8,0	60,0	12,8	5,1	42,0
8x70	8,0	60,0	12,8	5,1	42,0
8x80	8,0	80,0	12,8	5,1	42,0
8x90	8,0	90,0	12,8	5,1	42,0
8x100	8,0	100,0	12,8	5,1	55,0
8x120	8,0	120,0	12,8	5,1	85,0
10x40	10,0	40,0	14,8	6,2	32,0
10x50	10,0	50,0	14,8	6,2	42,0
10x60	10,0	60,0	14,8	6,2	42,0
10x70	10,0	60,0	14,8	6,2	42,0
10x80	10,0	80,0	14,8	6,2	42,0
10x90	10,0	90,0	14,8	6,2	42,0
10x100	10,0	100,0	14,8	6,2	55,0
10x120	10,0	120,0	14,8	6,2	85,0
10x140	10,0	140,0	14,8	6,2	85,0
10x160	10,0	160,0	14,8	6,2	110,0
10x180	10,0	180,0	14,8	6,2	110,0



# Declaration of Performance



DoP-19/0001

## Mechanical Strength & Stiffness

1.0

Size	Yield Moment - My,k [Nm] (1)	Withdrawal Parameter - fax,k [N/mm <sup>2</sup> ] (2)	Head Pull Through Parameter - fhead,k [N/mm <sup>2</sup> ] (3)	Characteristic Tensile Capacity - ftens,k [kN] (4)	Torsional ratio (6)
8x40	32,6	14,1	27,3	22,1	3,6
8x50					
8x60					
8x70					
8x80					
8x90					
8x100					
8x120					
10x40	43,5	12,6	25,8	32,3	3,7
10x50					
10x60					
10x80					
10x90					
10x100					
10x120					
10x140					
10x160					
10x180					