



# Declaration of Performance



DoP Number: **DoP-h17/0006**  
Issue: 1.0

- 1 **Unique Identification Code:** TTF44
- 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-17/0006

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

### Durability

Material (5) / Corrosion Protection	Service Class
1.4401 Stainless Steel	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 375kg/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:

**Laurent Versluysen**

European Managing Director

(Sainte Gemme La Plaine, Fr.)

25/10/2017



## Declaration of Performance



DoP-h17/0006

### Geometry (mm unless otherwise stated)

1.0

Size	Nominal Diameter - d	Length - L	Head Diameter - dh	Inner Thread Diameter - d1	Thread Length - lg
4.2x35	4.2	35.0	7.0	2.6	20.0
4.2x45	4.2	45.0	7.0	2.6	23.0
4.2x55	4.2	55.0	7.0	2.6	27.5
4.8x75	4.8	75.0	7.0	3.2	35.0

### Mechanical Strength & Stiffness

Size	Yield Moment - $M_y, k$ [Nmm] (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)
4.2x35	2575	17.0	20.4	4.2	2.3
4.2x45					
4.2x55					
4.8x75	4371	20.7	16.4	5.6	2.4