



Declaration of Performance



DoP Number: **DoP-h17/0008**
Issue: 1.0

- 1 **Unique Identification Code:** DSIX4
- 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-17/0008

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

Durability

Material (5) / Corrosion Protection	Service Class
Impreg® X4 - 20µm	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:

Laurent Versluysen

European Managing Director

(Sainte Gemme La Plaine, Fr.)

25/10/2017



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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	7.3	2.5	20.0
4.2x45	4.2	45.0	7.3	2.5	23.5
4.2x55	4.2	55.0	7.3	2.5	27.5
4.2x75	4.5	75.0	7.3	2.7	40.5

Mechanical Strength & Stiffness

Size	Yield Moment - M_y, k [Nmm] (1)	Withdrawal Parameter - $f_{ax, k}$ [N/mm ²] (2)	Head Pull Through Parameter - $f_{head, k}$ [N/mm ²] (3)	Characteristic Tensile Capacity - $f_{tens, k}$ [kN] (4)	Torsional ratio (6)
4.2x35	4295	13.9	14.4	6.0	2.6
4.2x45					
4.2x55					
4.2x75	4749	22.9	17.1	6.0	2.4