



Declaration of Performance



DoP Number: **DoP-h19/0007**

Issue: 1.0

- 1 Unique Identification Code:** FIRKD (U & G)
- 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	1235	ITTR-19/0007

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

Durability

Version:	Material (5) / Corrosion Protection	Service Class
U	Bright or electro galvanized - 5µm	Service Class 1
G	Hot Dip Galvanization - 50µm	Service Class 3

Notes:

- (1) EN14592 clause 6.1.4.1 - 6.1.4.2; Tested to EN 409
- (3) EN14592 clause 6.1.4.4; Calculated to EN1995, characteristic timber density 350 kg/m³
- (2) EN14592 clause 6.1.4.3; Tested to EN1382, characteristic timber density 350 kg/m³
- (4) EN14592 clause 6.1.4.4; Calculated to EN1995, characteristic timber density 350 kg/m³
- (5) EN14592 clause 6.1.5

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.)

31/05/2019



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Geometry (mm unless otherwise stated)

Size	Nominal Diameter - d	Length - L	Head Diameter - dh1/dh2	Head Area - Ah [mm ²]	Head thickness - ht	Point Length - lp
2.8x50	2.8	49	5,5 / 7,0	23.8	1.1	4.2
2.8x65	2.8	64	5,5 / 7,0	23.8	1.1	4.2
2.8x75	2.8	73	5,5 / 7,0	23.8	1.1	4.2
2.8x90	2.8	87	5,5 / 7,0	23.8	1.1	4.2
2.9x50	2.8	49	5,5 / 7,0	23.8	1.6	4.2
2.9x65	2.8	64	5,5 / 7,0	23.8	1.6	4.2
2.9x75	2.8	73	5,5 / 7,0	23.8	1.6	4.2
2.9x90	2.8	87	5,5 / 7,0	23.8	1.6	4.2
3.1x90	3.0	87	5,5 / 7,0	23.8	1.3	4.6

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)
2.8x50	3.7	2.45	20.5	NPD
2.8x65				
2.8x75				
2.8x90				
2.9x50				
2.9x65				
2.9x75				
2.9x90				
3.1x90	4.3		16.9	