



Declaration of Performance



DoP Number: **DoP-h17/0018**

Issue: 2.0

- 1 **Unique Identification Code:** RSN, CLN
- 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 / 1015 / 1503	ITTR-17/0018

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

Durability

Version:	Material (5) / Corrosion Protection	Service Class
Z	Bright or electro galvanized - 5µm	Service Class 1
G/ HDG	Hot Dip Galvanization - 50µm	Service Class 3
A	1.4401 Stainless Steel	Service Class 3

Notes:

- (1) EN 14592 clause 6.1.4.1 - 6.1.4.2; Tested to EN 409
- (2) EN 14592 clause 6.1.4.3; Tested to EN 1382, characteristic timber density 350 kg/m³
- (3) EN 14592 clause 6.1.4.4; Tested to EN 1383, characteristic timber density 350 kg/m³
- (4) EN 14592 clause 6.1.4.4; Tested to EN 1383, characteristic timber density 350 kg/m³
- (5) EN 14592 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.)

02/07/2019



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Geometry (mm unless otherwise stated)

2.0

Size	Nominal Diameter - d	Length - L	Head Diameter - dh	Head Area - Ah - [mm ²]	Head thickness - ht	Thread Length - lg	Point Length - lp
2.8x48 A4	2.8	48.0	6.9	36.6	0.7	25.0	3.1
2.8x55 A4	2.8	55.0	6.9	36.6	0.8	31.0	3.1
2.8x70 A4	2.8	70.0	6.9	36.6	0.8	46.0	2.4
2.8x75 A4	2.8	75.0	6.9	36.6	1.7	54.0	2.9
2.8x48 HDG	2.8	48.0	6.9	37.3	1.0	24.0	3.4
2.8x55 HDG	2.8	55.0	6.9	37.3	0.9	33.0	4.3
2.8x70 HDG	2.8	70.0	6.9	37.3	1.0	47.0	2.5
2.8x75 HDG	2.8	75.0	6.9	37.3	0.9	54.0	2.5
2.5x45	2.5	43.5	5.7	25.5	0.5	32.0	3.5
2.5x55	2.5	53.5	5.7	25.5	0.5	45.0	3.5
2.5x65	2.5	63.5	5.7	25.5	0.5	50.0	3.5
2.8x48	2.8	47.0	6.2	30.2	0.6	26.0	2.5
2.8x65	2.8	63.5	6.2	30.2	0.6	50.0	2.5
2.8x75	2.8	73.5	6.9	37.4	0.6	53.0	2.5
3.1x65	3.1	64.5	6.9	37.4	0.8	41.0	4.3
3.1x90	3.1	88.0	6.9	37.4	0.8	70.0	4.3



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Mechanical Strength & Stiffness

2.0

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)
2.5x[length]	2.00	5.1	22.0	3.0
2.8x[length]	3.20	8.9	29.4	3.4
3.1x[length]	4.60	8.3	18.1	3.8