



Declaration of Performance



DoP-h10/0004
(Issue 2.0)

1. *Product Type:* Dowel-type Timber Fasteners - Dowels
2. *Identification:* STD, STDS, STDH, STDP, STDPS, STDPH
3. *Intended Use:* For Structural Timber Products
4. *Manufacturer:* Simpson Strong-Tie Int. Ltd.
For local branch addresses refer to www.strongtie.eu
5. *Authorised Representative:* N/A
6. *System of Assessment:* 3
- 7, 8. *Technical Specifications & Notified Bodies:*

	Name	No.	System of Assessment	Document Reference	EAD (ETAG) No. EN Standard
Technical Assessment	Simpson Strong-Tie	2209	3	ITTR-10/0004	EN14592:2012
Factory Production Control	Simpson Strong-Tie	-	-	-	-

9. Declared Performance:

Essential Characteristics		Performance								Technical Specification
GEOMETRY										
Nominal Diameter (mm)		6	8	10	12	16	20	24	30	
MECHANICAL STRENGTH & STIFFNESS										
Characteristic Yield Moment $M_{y,k}$ (kNmm)	STD, STDP	10.8	22.7	40.6	65.2	137.8	246.2	395.5	706.5	EN14592 Clause 6.4.4.1 – 6.4.4.2 Calculated acc. to EN 1995-1-1
	STDH, STDPH	19.9	42.1	75.2	111.3	235.1	383.8	616.5	1101.3	
	STDS, STDPS	15.8	33.4	59.7	95.9	202.7	362.1	581.6	1039	
DURABILITY										
Material	STD, STDP	Galvanised Steel: S235JR								EN 10025-2
	STDH, STDPH	Galvanised Steel: S355 J2C + C								EN10277-2
	STDS, STDPS	Stainless Steel: 1.4571								EN10088-3
Corrosion Protection		Zinc Plated: Fe/Zn12A								Service classes 1 & 2 acc. to EN 1995-1-1 EN ISO 2081
		Hot Dip Galvanised: $\geq 45\mu\text{m}$								Service classes 1 2 & 3 acc. to EN 1995-1-1 EN ISO 1461
		Stainless Steel								EN 10088

10. The performance of the products identified in points 1. & 2. is in conformity with the declared performance in point 9.
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Laurent Versluysen
European Managing Director

(Sainte Gemme La Plaine, Fr. 19/01/2017)