



Declaration of Performance



DoP-h10/0004-04

1. **Product Type:** Dowel-type Timber Fasteners - Dowels
2. **Identification:** STD, STDG, STDS, STDH, STDHG, STDP, STDPG, STDPS, STDPH, STDPHG
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, STDG, STDPG	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
	STDH, STDPH, STDHG, STDPHG	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	1995-1-1
DURABILITY										
Material	STD, STDP, STDG, STDPG	Galvanised Steel: S235JR								EN 10025-2
	STDH, STDPH, STDHG, STDPHG	Galvanised Steel: S355 J2C + C								EN10277-2
	STDS, STDPS	Stainless Steel: 1.4401, 1.4404, 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: $\geq 45\mu\text{m}$ Stainless Steel								Service classes 1 2 & 3 acc. to EN 1995-1-1 EN ISO 1461, 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:

Michael Andersen
Vice President, European Operations

(Sainte Gemme La Plaine, Fr. 28/05/2020)