



Declaration of Performance



DoP-h10/0007
(Issue 1,0)

1. *Product Type:* Toothed-Plate Connectors
2. *Identification:* C1, C2 and C4
3. *Intended Use:* Shear Connectors 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:* 2+
- 7, 8. *Technical Specifications & Notified Bodies:*

	Name	No.	System of Assessment	Document Reference	EAD (ETAG) No. EN Standard
Technical Assessment	Simpson Strong-Tie	-	2+	ITTR-10/0007	EN14545:2008
Factory Production Control	British Board of Agrément	0836	2+	0836-CPD-09/F018	-

9. Declared Performance:

Essential Characteristics	Performance						Technical Specification
RANGE							
Model Number	C1 & C2			C4			
GEOMETRY							
Diameter – d_c (mm)	50	62	75	95	117	-	EN912
Length $a_1 \times a_2$ (mm)	-	-	-	-	-	73x130	EN912
MECHANICAL STRENGTH & STIFFNESS							
Characteristic Load Bearing Capacity – $R_{c,k}$ (kN)	6.36	8.79	11.69	16.67	22.78	17.31	EN 14545 Clause 6.1.3; EN 13271
Slip Modulus – K_{ser} (N/mm)	5.25	6.51	7.88	9.98	12.29	10.23	EN 14545 Clause 6.1.3; EN 13271
DURABILITY							
Material	Hot Dip Galvanised Mild Steel:HC340LA Galvanised Mild Steel: DX51D					EN 10268 EN 10346	
Corrosion Protection	Galvanised Steel:Z275 Hot Dip Galvanised: $\geq 45\mu\text{m}$					Service Classes 1 & 2 to EN1995-1-1 EN 10346 Service Classes 1, 2 & 3 to EN1995-1-1 EN 1461	

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 Verluysen
European Managing Director

(Sainte Gemme La Plaine, Fr. 01/03/2013)