



Declaration of Performance



DoP-h13/0020
(Issue 1,0)

1. *Product Type:* Toothed-Plate Connectors
2. *Identification:* C10 and C11
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-13/0020	EN14545:2008
Factory Production Control	Karlsruher Institute for Technology	0769	2+	0769-CPD-6035	-

9. Declared Performance:

Essential Characteristics	Performance					Technical Specification
RANGE						
Model Number	C10 and C11					
GEOMETRY						
Diameter – d_c (mm)	50	65	80	95	115	EN912
MECHANICAL STRENGTH & STIFFNESS						
	Type C10 (double-sided)					
Characteristic Load Bearing Capacity – $R_{c,k}$ (kN)	8,81	13,19	17,99	23,33	31,02	EN 14545 Clause 6.1.3; EN 13271
Slip Modulus – K_{ser} (N/mm)	7,86	10,29	12,65	15,04	18,18	EN 14545 Clause 6.1.3; EN 13271
	Type C11 (single-sided)					
Characteristic Load Bearing Capacity – $R_{c,k}$ (kN)	9,01	13,22	17,93	23,10	30,86	EN 14545 Clause 6.1.3; EN 13271
Slip Modulus – K_{ser} (N/mm)	7,98	10,30	12,62	14,94	18,13	EN 14545 Clause 6.1.3; EN 13271
DURABILITY						
Material	Annealed cast iron: EN-GJMB-350-10					DIN EN 1562
Corrosion Protection	Galvanized - Fe/Zn12/C					Service Classes 1 & 2 to EN1995-1-1

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. 16/12/2013)