



# Declaration of Performance



DoP-h10/0007  
(Issue 2,0)

1. *Product Type:* Toothed-Plate Connectors
2. *Identification:* BDDD, BDS D, C1, C2, C4, DSTC and SSTC
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](http://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
<b>RANGE</b>							
Model Number	BDDD, BDS D, C1, C2, DSTC, SSTC					C4, BDS D	
<b>GEOMETRY</b>							
Diameter – $d_c$ (mm)	50	62	75	95	117	-	EN912
Length $a_1 \times a_2$ (mm)	-	-	-	-	-	73x130	EN912
<b>MECHANICAL STRENGTH &amp; STIFFNESS</b>							
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
<b>DURABILITY</b>							
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 Versluysen**  
European Managing Director

(Sainte Gemme La Plaine, Fr. 19/04/2013)