



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
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 | BDDD, BDS D, C1, C2, DSTC, SSTC | | | | | C4, BDS D | |
| 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 Versluysen
European Managing Director

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