

1. **Product type:** Toothed plated Connector with teeth (single-sided)
2. **Identification:** C11
3. **Purpose:** For timber products intended for load bearing
4. **Manufacturer:** BTS Befestigungselemente-Technik GmbH, Max-Planck-Str. 1, 54439 Saarburg
5. **Authorised representative:** N/A
6. **Rating system:** 2+

7./8. **Technical specifications & notified offices:**

|                                | Name                              | No.  | Rating system | Reference document      | EAD (ETAG) No. / EN Standard |
|--------------------------------|-----------------------------------|------|---------------|-------------------------|------------------------------|
| Technical rating               | BTS GmbH Saarburg                 | -    | 2+            | BTS ITT Report Type C10 | EN 14545:2008                |
| In-house production inspection | Karlsruhe Institute of Technology | 0769 | 2+            | 0769-CPR-6154/01        | -                            |

9. **Declared performance:**

| Key characteristics                            | Performance                        |       |       |       |       | Technical specification          |
|--|------------------------------------|-------|-------|-------|-------|----------------------------------|
| Designation                                    | Toothed Plate Connector C11        |       |       |       |       |                                  |
| <b>Dimensions</b>                              |                                    |       |       |       |       |                                  |
| Diameter - dc (mm)                             | 50                                 | 65    | 80    | 95    | 115   | EN 912                           |
| <b>Mechanical strength and rigidity</b>        |                                    |       |       |       |       |                                  |
| Characteristic load capacity - $R_{c,k}$ (kN)  | 9,01                               | 13,22 | 17,93 | 23,10 | 30,86 | EN 14545 section 6.1.3; EN 13271 |
| Slip modulus - $K_{ser}$ (kN/mm <sup>2</sup> ) | 7,98                               | 10,30 | 12,62 | 14,94 | 18,13 | EN 14545 section 6.1.3; EN 13271 |
| Material                                       | Malleable cast iron EN-GJMB-350-10 |       |       |       |       | DIN-EN 1562                      |
| Corrosion protection                           | Galvanised - Fe/Zn12/B             |       |       |       |       | DIN-EN-ISO 2081                  |

10. The performance of the product as per numbers 1 and 2 corresponds to the declared performance as per number 9. The manufacturer as per number 4 is solely responsible for the drafting of this declaration of performance

Signed for the manufacturer and on behalf of the manufacturer by:

Uwe Krüger  
Managing Director

Michael Wirtz  
Managing Director

Saarburg, 17/04/2015

All of the dimensions stated above are approximate and may deviate both upwards and downwards.