



DECLARATION OF PERFORMANCE

CE-HV-92
Issue 1504

1. **Product type:** Toothed plated Connector with teeth (double-sided)
2. **Identification:** C10
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 C10					
Dimensions						
Diameter - dc (mm)	50	65	80	95	115	EN 912
Mechanical strength and rigidity						
Characteristic load capacity - $R_{c,k}$ (kN)	8,81	13,19	17,99	23,33	31,02	EN 14545 section 6.1.3; EN 13271
Slip modulus - K_{ser} (kN/mm ²)	7,86	10,29	12,65	15,04	18,18	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 acc. to numbers 1 and 2 corresponds to the declared performance as per number 9. The manufacturer acc. to number 4 is solely responsible for the drafting of this declaration of performance.