

Declaration of Performance

DoP



VORMANN
SCHARNIERE · BESCHLÄGE

DoP Nr: DoP – 014

Rev. 01

1. **Type of product:** Ring shank nails $\phi 4,0 \times 040/50/60\text{mm}$
2. **Intended use:** Timber structures - Dowel-type fasteners, see EN 14592:2008+A1:2012
3. **Manufacturer:** August Vormann GmbH Co. KG
Heilenbecker Straße 191 – 205
DE-58256 Ennepetal
4. **Authorised representative:** not applicable
5. **System of constancy of performance:** 3
6. **Harmonised standard:** EN 14592:2008+A1:2012
7. **Notified Body:** NB-Nr. 1015, Strojirensky Zkusebni Ustav s.p., Hudcova 56b, 621 00 BRNO-CZ
8. **Declared performance:**

Essential characteristics	Performance		Technical Specification
Measurements - Diameter - Length	- 4 mm - 40 – 60 mm		
Mechanical resistance and stability - Characteristic yield moment $M_{y,k}$ - Characteristic pull-out parameter $f_{ax,k}$ 1. against the grain 2. along the grain Characteristic density of wood 350kg/m^3 - Characteristic head pull-through parameter $f_{head,k}$ Characteristic density of wood 400kg/m^3 - Characteristic tensile strength $f_{tens,k}$	<u>Material C9D</u> = 8461 Nmm = 9,02 N/mm ² = 6,07 N/mm ² = 19,97 N/mm ² = 8,51 kN	<u>Material 1.4401</u> = 8611 Nmm = 9,75 N/mm ² = 6,08 N/mm ² = 18,36 N/mm ² = 8,47 kN	EN 14592 paragraph 6.1.4
Durability	- galvanized steel - Stainless steel		- Service class 1 EN 1995-1-1 - Service class 2 EN 1995-1-1
Material, Steel grade	- C9D - 1.4401		

9. The performance of the above product corresponds to the declared performance(s). The manufacturer named above is solely responsible for preparing the declaration of performance in accordance with Regulation (EU) No. 305 / 2011.

Signed for and on behalf of the manufacturer by:


Thomas Vormann
 Managing Director

Elsterwerda, 14.06 2023