



Declaration of Performance

DoP



VORMANN
SCHARNIERE · BESCHLÄGE

DoP Nr: DoP – 014

1. **Type of product:** Ring shank nails
2. **Trade Name:** Ring shank nails 43 x 40 040-100
3. **Intended use:** Timber structures - Dowel-type fasteners, see DIN EN 14592:2008+A1:2012
4. **Manufacturer:** August Vormann GmbH Co. KG
Heilenbecker Straße 191 – 205
DE-58256 Ennepetal
5. **Authorised representative:** not applicable
6. **System of constancy of performance:** 3
7. **Harmonised standard:** DIN EN 14592:2008+A1:2012
8. **Notified Body:** NB-Nr. 1015, Engineering Test Institute,
Branch 2 Jablonec nad Nisou, Tovární 5,
CZ-466 21 Jablonec nad Nisou
9. **Declared performance:** DIN EN 14592:2008+A1:2012 Timber structures - Dowel-type fasteners,
Ring shank nails with round profile for load-bearing timber products

Essential characteristics	Performance		EN Norm
Measurements - Diameter - Length	- 4 mm - 40 – 100 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 head pull-through parameter $f_{head,k}$ - 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 Material, Steel grade	- galvanized steel - Stainless steel - C9D - 1.4401		- Service class 1 1995-1-1

This Declaration of Performance is available at www.vormann.com

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. 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:


Thomas Vormann
Managing Director

Elsterwerda, 11th September 2015