

DECLARATION OF PERFORMANCE

according to Annex III of the Regulation (EU) Nr. 305/2011 (Construction Products Regulation)
Wood-Nail D-Head (Diameter and other data see table point 9)

1. Unique identification code of the product-type (Diameter and other data see table point 9)
2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): **Type and lot number are displayed on the packaging**
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

| | |
|----------------------------------|---|
| Intended use | Smooth shank nail or profiled nail with round cross-section for use in load-bearing timber structures |
| Diameter [mm] | See table 9 |
| Available lengths <i>ln</i> [mm] | See table 9 |
| Coating | >0,5 <i>ln</i> |

4. Name, registered trade name or registered trademark and contact address of the manufacturer as required pursuant to Article 11(5): **Techtronic Industries ELC GmbH, Max Eyth Straße 10, 71364 Winnenden**
5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2): n/a
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: **System 3**
7. In case of the declaration of performance concerning a construction product covered by a harmonized standard: VHT performed the third-party tasks as set out in Annex V under System 3.
8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued: n/a

9. Declared performance

See the following table

Table to Point 9

| | | | | | | | Declared performance according 85 EN 14592:2009-04-30 | | | | | | |
|----------|--------|-------------|---------------------|---------------|---------------|-------------------------|---|----------------|----------------|------------------------------------|--------------------------------------|--------------------|---------------------|
| Diameter | Profil | Nail length | Length nail tip max | Profil Length | Head diameter | Corrosion protection | Durability | Material-Grade | Material- No. | Characteristic Value | | | |
| | | | | | | | | | | Withdrawal Parameter | Head Pull Through Parameter | Yield Moment | Tensile Capacity |
| (mm) | | (mm) | (mm) | (mm) | (mm) | | | | | $f_{ax,k}$ (N/mm ²) | $f_{head,k}$ (N/mm ²) | $M_{y,k}$ (Nmm) | $f_{tens,k}$ (N) |
| 2,8 | Smooth | 50- 88 | 5,5 | | 5,2x 7,0 | Bright | 1 | C9D | 10.304 | 4,80 | 12,4 | 2610 | NPD |
| | | 50- 88 | 5,5 | | 5,2x 7,0 | electrogalvanised >12µm | 2 | C9D | 10.304 | 11,40 | 12,4 | 2610 | NPD |
| | | 50- 88 | 5,5 | | 5,2x 7,0 | HDG>45µm | 3 | C9D | 10.304 | 2,45 | 12,4 | 2610 | NPD |
| | Ring | 50- 88 | 5,5 | 40- 76 | 5,2x 7,0 | Bright | 1 | C9D | 10.304 | 10,03 | 12,4 | 2320 | NPD |
| | | 50- 88 | 5,5 | 40- 76 | 5,2x 7,0 | electrogalvanised >12µm | 2 | C9D | 10.304 | 9,26 | 12,4 | 2320 | NPD |
| | | 50- 88 | 5,5 | 40- 76 | 5,2x 7,0 | HDG>45µm | 3 | C9D | 10.304 | 8,83 | 12,4 | 2130 | NPD |
| | | 50- 88 | 5,5 | 40- 76 | 5,2x 7,0 | Stainlees Steel | 3 | V2A | 1.4301/14401 | 10,03 | 12,4 | 1960 | NPD |
| 3,1 | Smooth | 63-104 | 6,1 | | 5,2x 7,2 | Bright | 1 | C9D | 10.304 | 10,87 | 13,82 | 3410 | NPD |
| | | 63-104 | 6,1 | | 5,2x 7,2 | electrogalvanised >12µm | 2 | C9D | 10.304 | 10,50 | 13,82 | 3410 | NPD |
| | | 63-104 | 6,1 | | 5,2x 7,2 | HDG>45µm | 3 | C9D | 10.304 | 2,45 | 13,82 | 3410 | NPD |
| | Ring | 63-104 | 6,1 | 61- 90 | 5,2x 7,2 | Bright | 1 | C9D | 10.304 | 9,76 | 13,82 | 3320 | NPD |
| | | 63-104 | 6,1 | 61- 90 | 5,2x 7,2 | electrogalvanised >12µm | 2 | C9D | 10.304 | 9,78 | 13,82 | 3320 | NPD |
| | | 63-104 | 6,1 | 61- 90 | 5,2x 7,2 | HDG>45µm | 3 | C9D | 10.304 | 10,58 | 13,82 | 2820 | NPD |
| | | 63-104 | 6,1 | 61- 90 | 5,2x 7,2 | Stainlees Steel | 3 | V2A | 1.4301/14401 | 9,76 | 13,82 | 2830 | NPD |
| 3,4 | Smooth | 75-104 | 6,7 | | 5,5x 7,6 | Bright | 1 | C9D | 10.304 | 2,45 | 8,58 | 4336 | NPD |
| | | 75-104 | 6,7 | | 5,5x 7,6 | electrogalvanised >12µm | 2 | C9D | 10.304 | 2,45 | 8,58 | 4336 | NPD |
| | | 75-104 | 6,7 | | 5,5x 7,6 | HDG>45µm | 3 | C9D | 10.304 | 2,45 | 8,58 | 4336 | NPD |
| | Ring | 75-104 | 6,7 | 63-92 | 5,5x 7,6 | Bright | 1 | C9D | 10.304 | 9,24 | 8,58 | 4003 | NPD |
| | | 75-104 | 6,7 | 63-92 | 5,5x 7,6 | electrogalvanised >12µm | 2 | C9D | 10.304 | 9,35 | 8,58 | 3882 | NPD |
| | | 75-104 | 6,7 | 63-92 | 5,5x 7,6 | Stainlees Steel | 3 | V2A | 1.4301 / 14401 | 9,24 | 8,58 | 3059 | NPD |

10. The performance of the product identified in points 1 and 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.