

# Declaration of Performance - DoP 336/2023-1

## TOPKON RSS Outdoor – Wood Screw

1. Unique identification code of the product-type: NKT Fasteners - SPUN+ CLIMATE-G3
2. Intended use: For load-bearing wooden structures according to Eurocode 5
3. Manufacturer: ITW Construction Products ApS, Gl. Banegaardsvej 25, DK-5500 Middelfart
4. Authorised representative: N/A
5. System of AVCP: 3
6. a. Harmonized standard: EN 14592:2008+A1:2012

Notified bodies:

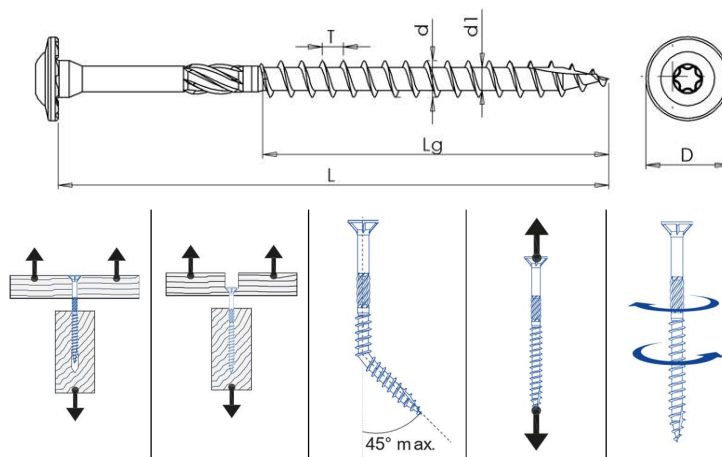
Strojirensky zkusebni ustav, s.p. [no. 1015]  
Tovarni 5  
CZE-466 21 JABLONEC nad Nisou

7. Declared performance: See table 1

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

  
Flemming Sørensen  
Production and Engineering Manager  
Middelfart, 27.10.2023



|                             |                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------|
| <b>Service Class</b>        | <b>3</b>                                                                          |
| <b>Symbol</b>               |  |
| <b>C-class</b>              | <b>C4</b>                                                                         |
| <b>Corrosion protection</b> | <b>Outdoor</b>                                                                    |
| <b>Material</b>             | <b>AISI 1022</b>                                                                  |
| <b>Steel standard</b>       | <b>ASTM A510</b>                                                                  |

**Tabel 1**

| Nominal diameter | Length | Core-diameter | Head-diameter | Withdrawal Strength  | Head Pull-through    | Yield moment | Tensile-strength | Torsional-ratio       |
|------------------|--------|---------------|---------------|----------------------|----------------------|--------------|------------------|-----------------------|
| d                | L      | d1            | HD            | $f_{ax,k}$           | $f_{head,k}$         | $M_{y,k}$    | $f_{tens,k}$     | $f_{tor,k}/R_{tor,k}$ |
| [mm]             | [mm]   | [mm]          | [mm]          | [N/mm <sup>2</sup> ] | [N/mm <sup>2</sup> ] | [Nmm]        | [kN]             |                       |
| 6,0              | ≤ 90   | 3,85          | 14,0          | 16                   | 25                   | 13400        | 13,8             | 4,3                   |
| 8,0              | ≤ 400  | 4,85          | 18,0          | 15                   | 25                   | 22000        | 23,4             | 3,6                   |

The declared values according to EN 14592:2008 + A1:2012

$f_{ax,k}$  and  $f_{head,k}$  are tested at a characteristic wood density of 350kg/m<sup>3</sup>. Torsional ratio is tested at a characteristic wood density of 450 kg/m<sup>3</sup>

Screws covered by this DoP holds a threaded length of >4d

Service class determined according to EN 1995-1-1

**NKT**  
FASTENERS