

Declaration of Performance - DoP

TOPKON TK, Outdoor - Wood Screw

331-2020-1

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

Notified bodies:

Danish Technological Institute
no. 1235
Gregersensvej 1
DK-2630 Taastrup

VHT Versuchsanstalt für Holz und
Trockenbau no. 1503
Annastrasse 18
DE-64285 Darmstadt

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

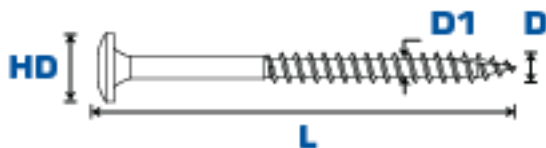
7. Declared performance: See table 1

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
Technical Manager
Middelfart, 24.09.2020

TOPKON TK, Outdoor Wood Screw



Service Class:	3
Symbol	
C-class	C4
Corrosion protection	Outdoor
Material:	AISI 10B21
Steel standard	ASTM A510

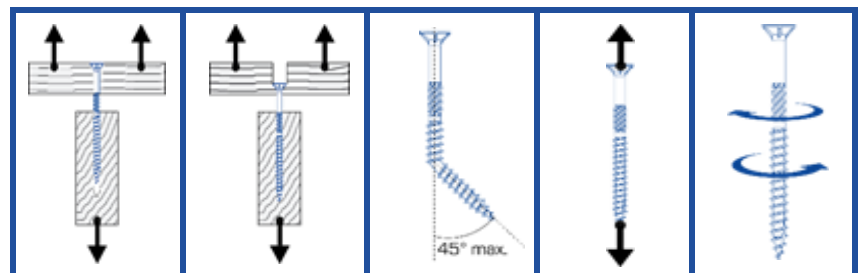


Table 1:

Nominal diameter d [mm]	Length L [mm]	Core diameter d1 [mm]	Head diameter HD [mm]	Withdrawal strength $f_{ax,k}$ [N/mm ²]	Head pull through $f_{head,k}$ [N/mm ²]	Yield moment $M_{y,k}$ [Nmm]	Tensile strength $f_{tens,k}$ [kN]	Torsional ratio $f_{tor,k}/R_{tor,k}$
6,0	≤140	3,9	13,5	16	29	9000	14	4
8,0	≤400	5,3	18,5	15	26	18000	26	5
10,0	≤220	6,3	22,5	12	23	28000	31	4
10,0	≤400	6,3	22,5	14,0	23,0	29000	36,0	5,0

The declared values according to EN 14592:2008 + A1:2012. $f_{ax,k}$ and $f_{head,k}$ and torsional ratio are tested at a characteristic wood density of 350 kg/m³. Screws covered by this DoP holds a threaded length of >4d.

To visualize previous versions click on relevant link : http://www.itwcp-techdocs.eu/DoP/Archive/DOP300_V5/DOP_300_English_V5.pdf