

Declaration of Performance - DoP

DB CON, Outdoor - Construction screw

319-2020-1

- 1 Unique identification code of the product-type: NKT Fasteners - DB Con 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

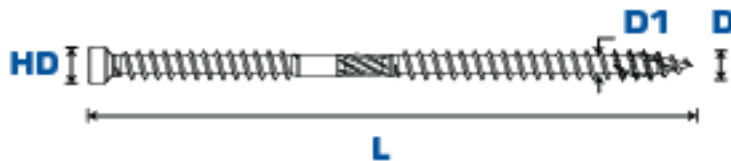
7. Declared performance: See table 1

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

DB CON, Outdoor Construction screw



Service Class:	3
Symbol	
C-class	C4
Corrosion protection	Outdoor
Material:	AISI 1022 10B21
Steel standard	ASTM A510

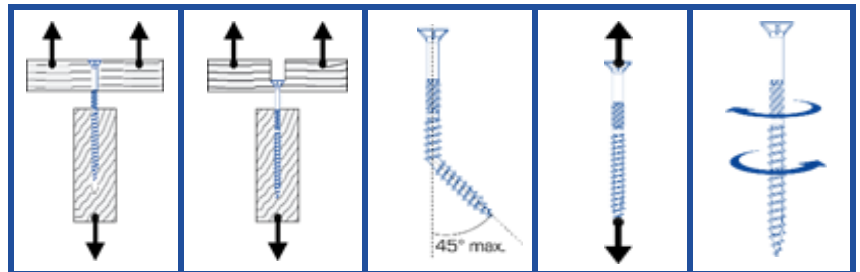


Table 1:

Nominal diameter d	Length L	Core diameter d1	Head diameter HD	Withdrawal strength $f_{ax,k}$	Head pull through $f_{head,k}$	Yield moment $M_{y,k}$	Tensile strength $f_{tens,k}$	Torsional ratio $f_{tor,k}/R_{tor,k}$
[mm]	[mm]	[mm]	[mm]	[N/mm ²]	[N/mm ²]	[Nmm]	[kN]	
6,5	≤220	4,05	8,2	17,86	79,91	12043	15,5	3
8,2	≤220	4,85	10,2	16,41	56,57	19080	23,33	3

The declared values according to EN 14592:2008 + A1:2012. $f_{ax,k}$ and $f_{ax,Rk}$ are tested at a characteristic wood density of 350 kg/m³; torsional ratio 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