

# Declaration of Performance - DoP

## DECK+, A2 - Decking screw

321-2020-1

- 1 Unique identification code of the product-type: NKT Fasteners - DECK+ A2
- 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

### DECK+, A2 Decking screw



|                      |            |
|----------------------|------------|
| Service Class:       | 3          |
| Symbol               |            |
| C-class              |            |
| Corrosion protection | A2         |
| Material:            | AISI 304   |
| Steel standard       | EN 10088-1 |

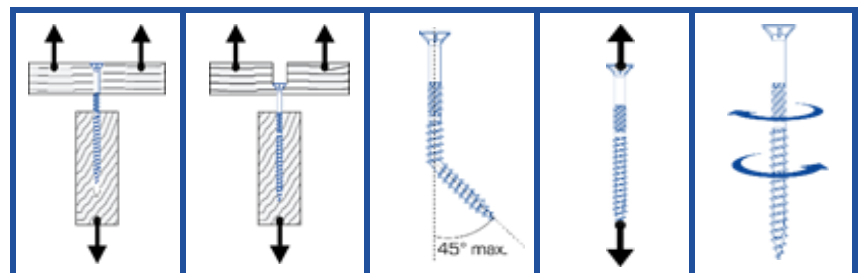


Table 1:

| Nominal diameter<br>d<br>[mm] | Length<br>L<br>[mm] | Core-diameter<br>d1<br>[mm] | Head diameter<br>HD<br>[mm] | Withdrawal strength<br>$f_{ax,k}$<br>[N/mm <sup>2</sup> ] | Head pull through<br>$f_{head,k}$<br>[N/mm <sup>2</sup> ] | Yield moment<br>$M_{y,k}$<br>[Nmm] | Tensile strength<br>$f_{tens,k}$<br>[kN] | Torsional ratio<br>$f_{tor,k}/R_{tor,k}$ |
|-------------------------------|---------------------|-----------------------------|-----------------------------|---|---|------------------------------------|--|--|
| 4,2                           | ≤55                 | 2,6                         | 7,3                         | 13  | 23  | 2000                               | 4  | 2  |
| 4,8                           | ≤75                 | 3,1                         | 7,8                         | 13  | 21  | 3000                               | 5  | 2  |

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/m<sup>3</sup>. 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](http://www.itwcp-techdocs.eu/DoP/Archive/DOP300_V5/DOP_300_English_V5.pdf)