

# Declaration of Performance - DoP

## BasicScrew A4, A4 - Allround screw

317-2020-1

- 1 Unique identification code of the product-type: NKT Fasteners - Basic Screw A4
- 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

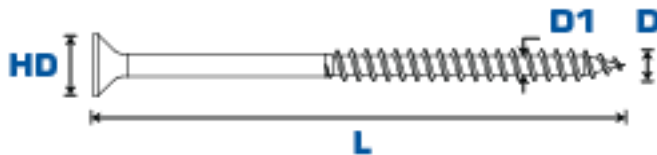
7. Declared performance: See table 1

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

### BasicScrew A4, A4 Allround screw



Service Class:	3
Symbol	
C-class	0
Corrosion protection	A4
Material:	AISI 316
Steel standard	EN 10088-1

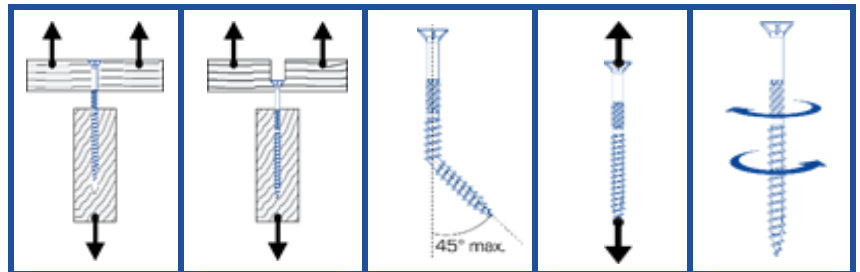


Table 1:

Nominal diameter d [mm]	Length L [mm]	Core-diameter d1 [mm]	Head diameter HD [mm]	Withdrawal strength $f_{ax,k}$ [N/mm <sup>2</sup> ]	Head pull through $f_{head,k}$ [N/mm <sup>2</sup> ]	Yield moment $M_{y,k}$ [Nmm]	Tensile strength $f_{tens,k}$ [kN]	Torsional ratio $f_{tor,k}/R_{tor,k}$
4,0	≤40	2,3	7,4	10,5	11,7	2500	3,7	2,4
4,5	≤60	2,6	8,4	8,9	13,5	3100	4,3	1,5
5,0	≤80	2,8	9,4	9,3	11,2	4500	4,7	1,5

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)