

Declaration of Performance, DoP 307/2016
(Version 2)

To visualize previous versions, click on relevant link : http://www.itwcp-techdocs.eu/DoP/Archive/DOP307_V1/DOP_307_English_V1.pdf

1. Product type: Carriage bolt with nut for load-bearing timber structures
2. Identification: NKT Fasteners carriage bolt with nut
3. Intended use: For load-bearing wooden structures
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

ITW BYG
Gl. Banegaardsvej 25
DK-5500 Middelfart

5. Authorised representative: N/A
6. System of assessment: 3
7. Notified body / Test laboratory:

ITW Construction Products
Wood Fasteners R&D Center
Gl. Banegaardsvej 25
DK-5500 Middelfart

performed ITT under system 3, type calculation.

8. Declared performance to ETA: N/A
9. Declared performance:

Notes to the table:

Characteristic values are calculated or tested according to EN 14592:2008+A1:2012.

10. The performance of the products is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:



Jakob Lyck
Head of Nordic Product Management

Middelfart, 2017-06-29

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Declared values according to EN 14592:2008 + A1:2012

Designation	Nominal diameter d [mm]	Length [mm]	Corrosion protection	Service class	Material	Steel standard	Yield moment M _{y,k} [Nmm]
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Carriage bolts

ISO 8677 (DIN 603) Quality 4.6	M6	20 - 100	Electrogalvanized, min. 3 µm	1	Steel according to EN ISO 898-1	EN ISO 898-1	12000
	M8	30 - 140					26000
	M10	30 - 240					47000
	M12	60 - 240					76000
ISO 8677 (DIN 603) Quality 4.6	M6 *	20 - 120	Hot-dip galvanized 50 µm (*M6: DURAMAX™ 1000)	1-3	Steel according to EN ISO 898-1	EN ISO 898-1	12000
	M8	30 - 160					26000
	M10	40 - 260					47000
	M12	50 - 380					76000
	M16	100 - 300					162000
ISO 8677 (DIN 603) Quality A4-70	M6	30 - 60	Stainless A4	1-3	AISI 316	EN 10088-1	22000
	M8	30 - 100					46000
	M10	60 - 120					83000
	M12	120 - 150					134000

DURAMAX™ 1000 can resist 1000 hours in neutral salt spray test and complies with the requirements of service class 3.

Nuts

EN ISO 4032 (DIN 934) Quality 4	M6	N/A	Electrogalvanized, min. 3 µm	1	Steel according to EN ISO 898-1	EN ISO 898-2	N/A
	M8						
	M10						
	M12						
EN ISO 4034 (DIN 555) Quality 4	M6	N/A	Hot-dip galvanized 50 µm	1-3	Steel according to EN ISO 898-1	EN ISO 898-2	N/A
	M8						
	M10						
	M12						
	M16						
EN ISO 4032 (DIN 934) Quality A4-70	M6	N/A	Stainless A4	1-3	AISI 316	EN 10088-1	N/A
	M8						
	M10						
	M12						