

# NORDIC WOOD SCREW TD

## HEXAGON HEAD



Declaration of  
Performance



**Document no: CE-141901-A1**

This Nordic wood screw with hexagonal head is a good substitute for French wood screws. It is used in heavy and load-bearing structures - e.g., stairways, glulam structures and patio awnings.

**Dimensions:**

d 8,0 mm, L 45 - 130 mm  
d 10,0 mm, L 40 - 150 mm

**Material:**

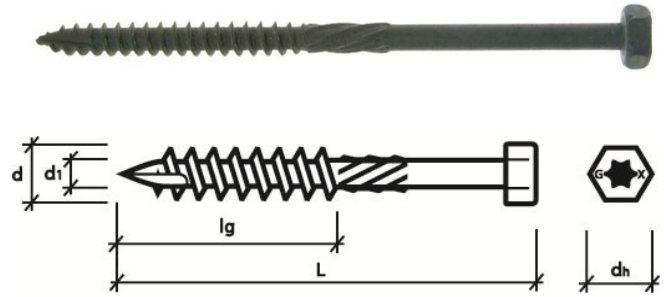
EN ISO 16120

**Treatment**

TD hot dip galvanized min. 50 µm

**Screw head:**

TX30-40

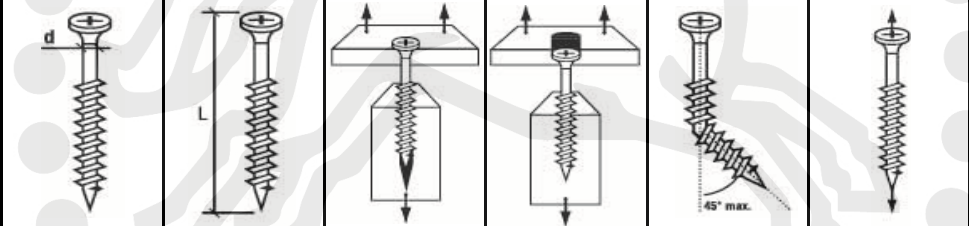


## DIMENSIONS

TD					
Name	Nominal diameter d [mm]	Inner threaded diameter d <sub>1</sub> [mm]	Total length L [mm]	Threaded length l <sub>g</sub> [mm]	Head diameter d <sub>h</sub> [mm]
8,0x35*	8,0	5,2	35,0	30,0	12,8
8,0x45*			45,0	30,0	
8,0x55*			55,0	30,0	
8,0x75*			75,0	45,0	
8,0x100			100,0	60,0	
8,0x130			130,0	70,0	
10,0x40*	10,0	7,0	40,0	30,0	14,8
10,0x50*			50,0	30,0	
10,0x75*			75,0	45,0	
10,0x90			90,0	60,0	
10,0x120			120,0	60,0	
10,0x150			150,0	60,0	

\* Marked dimension is not CE marked. It does not meet the requirement  $l_g \geq 6d$  (EN 14592)

## CHARACTERISTIC LOAD CAPACITY

TD							
Name	Nominal diameter $d$ [mm]	Total length $L$ [mm]	Withdrawal parameter $f_{ax,k}$ [N/mm <sup>2</sup> ]**	Head pull-through parameter $f_{head,k}$ [N/mm <sup>2</sup> ]**	Yield moment $M_{y,k}$ [Nmm]	Tensile capacity $f_{tens,k}$ [kN]	Torsional ratio $F_{tor,k}/R_{tor,k} \geq 1,5$
8,0x35*	8,0	35,0	12,6	19,5	20100	17,6	2,2
8,0x45*		45,0					
8,0x55*		55,0					
8,0x75*		75,0					
8,0x100		100,0					
8,0x130		130,0					
10,0x40*	10,0	40,0	11,7	18,0	44900	32,2	3,3
10,0x50*		50,0					
10,0x75*		75,0					
10,0x90		90,0					
10,0x120		120,0					
10,0x150		150,0					
							

\* Dimension is not CE marked. It does not meet the requirement  $l_g \geq 6d$  (SS-EN 14592)

\*\* The withdrawal parameter  $f_{ax,k}$  and the head pull-through parameter  $f_{head,k}$  is tested in wood with a characteristic density of  $\rho_k=350$  kg/m<sup>3</sup> (C24). When wood with another density is used values shall be multiplied with  $\rho_k/350$ .

## PRODUCT IDENTIFICATION

Following articles which are sold in the brand name GUNNEBO FASTENING are covered by this Declaration of Performance:

### ARTICLE NUMBER

14130  
68006  
14131  
68007  
14129  
68005  
14124  
68000  
14125  
68001



The manufacturer declares for:

**Nordic wood screw, Hexagon head, TD, diameter 8,0 & 10,0 mm**

1. Product is in accordance with EN 14592:2008 "Timber Structures – Dowel-type fasteners – Requirements".
2. Initial Type Testing was performed to confirm essential characteristic values in accordance to table ZA.1 in EN 14592. Declared values accompanies with the CE mark on each package and in this technical document.
3. Initial Type Testing is performed by DTI, Danish Technological Institute, and by SINTEF Byggforsk.  
 $f_{tens,k}$ : report DK 474099-1, Taastrup, 2012-04-27.  
 $f_{tor,k}$  and  $R_{tor,k}$ : report DK 474099-5, Taastrup, 2012-05-15  
 $f_{ax,k}$ : Type approval No. 2422, Oslo, 2011-12-21  
 $M_{y,k}$ : Type approval No. 2422, Oslo, 2011-12-21  
 $f_{head,k}$ : Type approval No. 2422, Oslo, 2011-12-21
4. For this product the compliance with the conditions of the Annex ZA in EN 14592 are accomplished.
5. A FPC system is established and maintained under the responsibilities of the manufacturer.

**TD Hot dip galvanized min 50  $\mu$ m. Service class 3**

The system of attestation of conformity for Timber fasteners used for structural timber products is 3.

This declaration of conformity is valid until any changes in the product, the raw material or the production process is performed, which would significantly change the declared characteristics.

*Gunnebo 2013-01-07, revised 2013-02-01*

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