

# NORDIC WOOD SCREW TD

## COUNTERSUNK HEAD



**GUNNEBO**  
FASTENING

Declaration of  
Performance



**Document no: CE-141900-A1**

This countersunk Nordic wood screw has the right dimensions for dealing with light and heavy structures outdoors. The screw has a cutpoint which drives the screw effectively into the woodwork and prevents splitting.

**Dimensions:**

d 5,0 mm, L 30 - 120 mm  
d 6,0 mm, L 40 - 180 mm

**Material:**

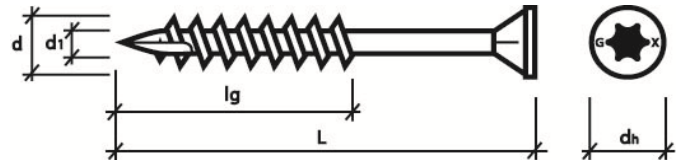
EN ISO 16120

**Treatment:**

TD hot dip galvanized min. 50 µm

**Screw head:**

TX25-30



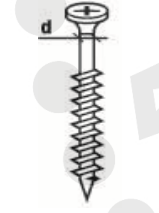
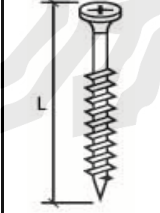
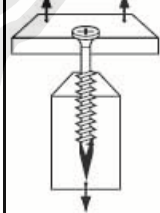
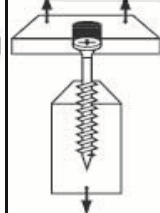
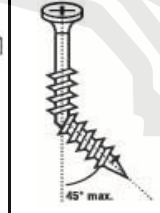
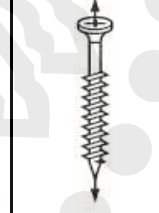
## DIMENSIONS

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]
5,0x55	5,0	3,7	55,0	31,0	8,7
5,0x75			75,0	50,0	
5,0x80			80,0	40,0	
5,0x90			90,0	45,0	
5,0x100			100,0	50,0	
5,0x120			120,0	50,0	
5,0x140			140,0	50,0	
6,0x55*			6,0	4,0	
6,0x75	75,0	50,0			
6,0x80	80,0	40,0			
6,0x90	90,0	45,0			
6,0x100	100,0	41,0			
6,0x110	110,0	50,0			
6,0x120	120,0	50,0			
6,0x140	140,0	50,0			

\* 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 $F_{tor,k}/R_{tor,k} \geq 1,5$
5,0x55	5,0	55,0	12,7	22,2	8800	10,1	2,0
5,0x75		75,0					
5,0x80		80,0					
5,0x90		90,0					
5,0x100		100,0					
5,0x120		120,0					
5,0x140		140,0					
6,0x55*		6,0					
6,0x75	75,0						
6,0x80	80,0						
6,0x90	90,0						
6,0x100	100,0						
6,0x110	110,0						
6,0x120	120,0						
6,0x140	140,0						

\* 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

14108	14106	14115	67989
67984	67981	14116	14114
14109	14968	67992	67990
67985	67982	14117	
14110	14107	67993	
67986	67983	14113	
14105	14970	67988	
67980	67991	14969	



**The manufacturer declares for:**

**Nordic wood screw, countersunk head, TD, diameter 5,0 & 6,0 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.  
 $f_{tor,k}$  &  $R_{tor,k}$ : 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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