

COUNTERSUNK HEAD



Document no: CE-200236-A1

For outdoor use. The screws have TX-drive, cutpoint which drives the screw effectively into the woodwork and prevents splitting. Hardened stainless steel 410 is magnetic and has very high strength.

Dimensions:

d 5,0 mm, L 55 - 140 mm
d 6,0 mm, L 45 - 140 mm

Material:

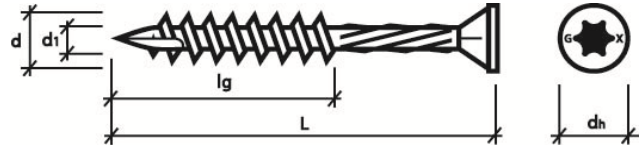
EN 10088

Treatment:

Stainless Hardened - Service class 3

Screw head:

TX25-30



DIMENSIONS

STAINLESS HARDENED

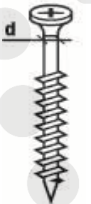

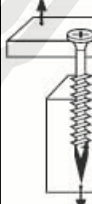
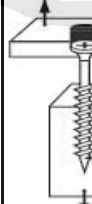


Name	Nominal diameter d [mm]	Inner threaded diameter d ₁ [mm]	Total length L [mm]	Threaded length l _g [mm]	Head diameter d _h [mm]
5,0x55	5,0	3,6	55,0	31,5	8,5
5,0x75			75,0	50,0	
5,0x90			90,0	50,0	
5,0x100			100,0	50,0	
5,0x120			120,0	50,0	
5,0x140			140,0	50,0	
6,0x45*			6,0	4,1	
6,0x55*	55,0	31,5			
6,0x75	75,0	50,0			
6,0x90	90,0	45,0			
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)

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CHARACTERISTIC LOAD CAPACITY

STAINLESS HARDENED

Name	Nominal diameter d [mm]	Total length L [mm]	Withdrawal parameter $f_{ax,k}$ [N/mm ²]**	Head pull-through parameter $f_{head,k}$ [N/mm ²]**	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	10,8	11,2	10500	17,5	4,0
5,0x75		75,0					
5,0x90		90,0					
5,0x100		100,0					
5,0x120		120,0					
5,0x140		140,0					
6,0x45*	6,0	45,0	11,2	14,2	14400	14,2	5,3
6,0x55*		55,0					
6,0x75		75,0					
6,0x90		90,0					
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/m³ (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

15226	15233
15227	15234
15228	15235
15223	15231
15224	15232
15225	

COUNTERSUNK HEAD

The manufacturer declares for:

Wood screw countersunk, Stainless hardened, 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.
 $M_{y,k}$: report DK 474099-2, Taastrup, 2011-04-27 and type approval No2422, Oslo, 2011-12-21.
 $f_{ax,k}$: report DK 474099-3, Taastrup, 2011-05-15 and type approval No 2422, Oslo, 2011-12-21.
 $f_{head,k}$: report DK 474099-4, Taastrup, 2011-05-15 and type approval No. 2422, Oslo, 2011-12-21.
 $f_{tor,k}$ and $R_{tor,k}$: report DK 474099-5, Taastrup, 2011-05-15
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.

Stainless hardened. 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 2012-01-07, revised 2013-02-01



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