

CHIPBOARD SCREW

ELECTRO GALVANIZED



GUNNEBO
FASTENING

Declaration of
Performance



Dokument no: CE-200206-A3

The chipboard screw has a cutpoint, which affectively drives the screw down into hard chipboard or minerit. The screw has rudge teeth on the shaft that prevents the chipboard to squeak.

Dimensions:

d: 4,2 mm L: 28 - 75 mm

Material:

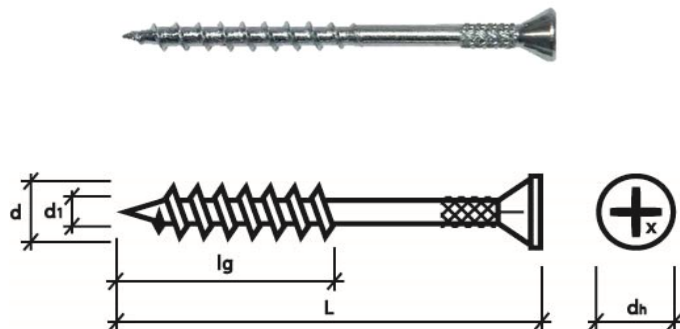
EN 16120-2

Treatment:

Electro galvanized - min. 5 µm. Corrosion class C1.

Socket in screw head:

PH2 / TX20



DIMENSIONS

ELECTRO GALVANIZED - PH2

Name	Nominal diameter d [mm]	Inner diameter threaded part d ₁ [mm]	Total length L [mm]	Threaded length l _g [mm]	Head diameter d _h [mm]
4,2x28	4,2	2,7	28,0	23,0	7,0
4,2x35			35,0	21,0	
4,2x45			45,0	27,0	
4,2x55			54,0	30,0	
4,2x75			73,0	42,0	

ELECTRO GALVANIZED - TX20

Name	Nominal diameter d [mm]	Inner diameter threaded part d ₁ [mm]	Total length L [mm]	Threaded length l _g [mm]	Head diameter d _h [mm]
4,2x35	4,2	3,1	35,0	20,0	7,0
4,2x45			45,0	23,5	
4,2x55			55,0	27,5	
4,2x75		3,2	75,0	40,5	

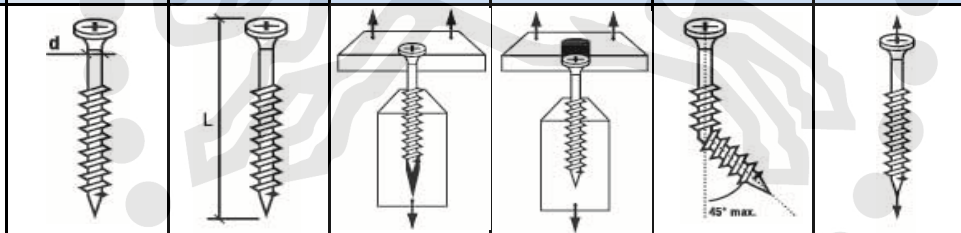
CHARACTERISTIC LOAD CAPACITY

ELECTRO GALVANIZED - PH2

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 $F_{tor,k}/R_{tor,k} \geq 1,5$
4,2x28	4,2	28,0	8,6	NPD*	4500	6,8	2,4
4,2x35		35,0					
4,2x45		45,0					
4,2x55		55,0					
4,2x75		75,0					

ELECTRO GALVANIZED - TX20

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 $F_{tor,k}/R_{tor,k} \geq 1,5$
4,2x35	4,2	35,0	13,2	12,1	4463	6,3	2,5
4,2x45		45,0					
4,2x55		55,0					
4,2x75		75,0	18,0	14,0	5010	6,2	2,3



* "No Performance Declared"

** 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).



PRODUCT IDENTIFICATION

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

ARTICLE NUMBER

14561	14568	14569	14556	14560	71319
14562	14566	14570	14557	Z132435	71320
14564	14567	14558	14559	71318	71341

The manufacturer declares for:

Chipboard screw, electro galvanized 5 µm, diameter 4,2 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. The results of $f_{tens,k}$: report DK 426382-1, Taastrup, 2011-04-29. The results of $f_{tor,k}$ and $R_{tor,k}$: report DK 426382-2, Taastrup, 2011-04-29, The results of $M_{y,k}$: report DK 426382-3, Taastrup, 2011-05-05. The results of $f_{ax,k}$: report DK 426382-4, Taastrup, 2011-05-12. The results of $f_{u,k}$: report DK 1302213, Taastrup, 2011-06-27.

and

Strojirensky Zkusebni Ustav s.p. Notified body 1015
TJ-30-9836/18 & TJ-30-9961/2

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.

Electro galvanized min. 5 µm, type 1. Corrosion class C1.

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 2013-02-01, revised 2014-06-19

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