

ROUND NAIL COLLATED

HOT DIP GALVANIZED



Declaration of Performance



Document no: CE-300165-A2
Used to fix boarding, panels and secondary spaced boarding to a timber base.

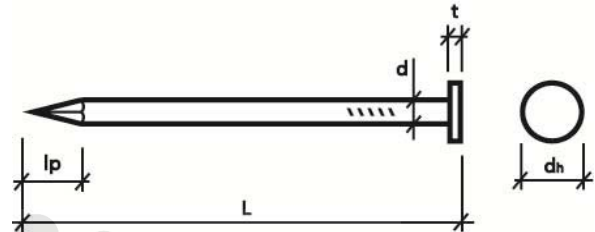
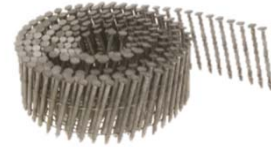
Dimensions:
d: 3,1 mm L: 90 mm

Material:
EN ISO 16120

Characteristic tensile strength of wire (f_u) in acc. with EN 10218-1, min. 600 N/mm²

Treatment:
Hot dip galvanized - min. 50 μ m

Angle of collating:
Coil- & wire collated 15°



DIMENSIONS

HOT DIP GALVANIZED

Name	Nominal diameter d [mm]	Total length L [mm]	Head diameter d _h [mm]	Head area A _h [mm ²]	Head thickness t [mm]	Point length l _p [mm]
3,1x90	3,1	88,0	6,6	34,2	1,1	4,3

CHARACTERISTIC LOAD CAPACITY

HOT DIP GALVANIZED

Name	Nominal diameter d [mm]	Total length L [mm]	Withdrawal parameter f _{ax,k} [N/mm ²]*	Head pullthrough parameter f _{head,k} [N/mm ²]*	Yield moment M _{y,k} [Nmm]	Tensile capacity f _{tens,k} [kN]
3,1x90	2,8	88,0	2,4	8,5	4200	NPD**

* 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 $\rho_k/350$.

** "No Performance Declared"

PRODUCT IDENTIFICATION

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

ARTICLE NUMBER

Z723590 70415

ROUND NAIL COLLATED

HOT DIP GALVANIZED



Declaration of
Performance

The manufacturer declares for:

Collated round nail, coils 15° hot dip galvanized, diameter 3,1 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.
 $f_{tens,k}$: Report DK 474099-1, Taastrup, 2012-04-27.
 $M_{y,k}$: Report DK 474099-2, Taastrup, 2011-04-27.
 $f_{ax,k}$: Report DK 474099-3, Taastrup, 2011-05-15.
 $f_{head,k}$: Report DK 474099-4, Taastrup, 2011-05-15.
 $f_{u,k}$: Report DK 1302213, Århus, 2012-04-26.
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.

Hot dip galvanized - min. 50 μ m, type 1. 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 2012-08-17, revised 2013-04-03

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