

# WOOD SCREW ELECTRO GALV.



**GUNNEBO**  
FASTENING

## PANHEAD

Declaration of  
Performance



**Document no: CE-2002171-A2**

These screws are for indoor use and have TX-drive, cutpoint which drives the screw effectively into the woodwork and prevents splitting. All screws have saw thread that reduces torque and serration under head to get the best grip.

**Dimensions:**

d 5,0 mm, L 30 - 80 mm  
d 6,0 mm, L 40 - 100 mm

**Material:**

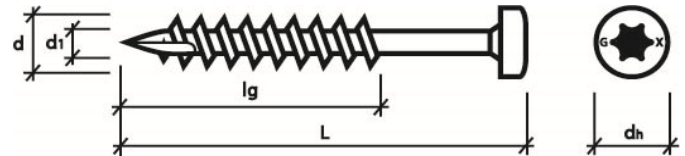
EN ISO 16120

**Treatment:**

Electro galvanized min. 8 µm. Corrosion class C1

**Socket in screw head:**

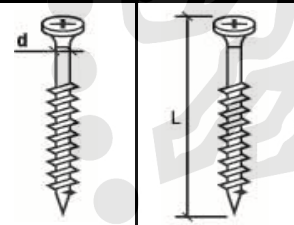

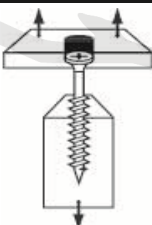
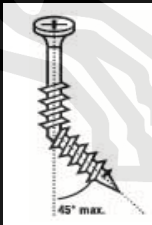
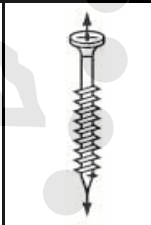
TX10 - TX25



## DIMENSIONS

| ELEZTRO GALVANIZED |                         |   |                     |                                     |                                   |
|--------------------|-------------------------|---|---------------------|-------------------------------------|-----------------------------------|
| 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] |
| 5,0x30             | 5,0                     | 3,1   | 30,0                | 26,0                                | 9,7                               |
| 5,0x40             |                         |   | 40,0                | 36,0                                |                                   |
| 5,0x50             |                         |   | 50,0                | 30,0                                |                                   |
| 5,0x60             |                         |   | 60,0                | 35,0                                |                                   |
| 5,0x70             |                         |   | 70,0                | 40,0                                |                                   |
| 5,0x80             |                         |   | 80,0                | 50,0                                |                                   |
| 6,0x40             | 6,0                     | 3,7   | 40,0                | 35,0                                | 11,7                              |
| 6,0x50             |                         |   | 50,0                | 30,0                                |                                   |
| 6,0x60             |                         |   | 60,0                | 35,0                                |                                   |
| 6,0x70             |                         |   | 70,0                | 40,0                                |                                   |
| 6,0x80             |                         |   | 80,0                | 50,0                                |                                   |
| 6,0x90             |                         |   | 90,0                | 50,0                                |                                   |
| 6,0x100            |                         |   | 100,0               | 60,0                                |                                   |

# CHARACTERISTIC LOAD CAPACITY

| ELEZTRO GALVANIZED |                         |   |   |   |                              |   |  |  |  |   |  |
|--------------------|-------------------------|---|---|---|------------------------------|---|--|--|--|---|--|
| 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 $F_{tor,k}/R_{tor,k} \geq 1,5$ |  |  |   |  |
| 5,0x30             | 5,0                     | 30,0  | 10,9  | 19,6  | 7800                         | 10,6  | 3,4  |  |  |   |  |
| 5,0x40             |                         | 40,0  |   |   |                              |   |  |  |  |   |  |
| 5,0x50             |                         | 50,0  |   |   |                              |   |  |  |  |   |  |
| 5,0x60             |                         | 60,0  |   |   |                              |   |  |  |  |   |  |
| 5,0x70             |                         | 70,0  |   |   |                              |   |  |  |  |   |  |
| 5,0x80             |                         | 80,0  |   |   |                              |   |  |  |  |   |  |
| 6,0x40             | 6,0                     | 40,0  | 14,6  | 16,0  | 12467                        | 14,2  | 2,6  |  |  |   |  |
| 6,0x50             |                         | 50,0  |   |   |                              |   |  |  |  |   |  |
| 6,0x60             |                         | 60,0  |   |   |                              |   |  |  |  |   |  |
| 6,0x70             |                         | 70,0  |   |   |                              |   |  |  |  |   |  |
| 6,0x80             |                         | 80,0  |   |   |                              |   |  |  |  |   |  |
| 6,0x90             |                         | 90,0  |   |   |                              |   |  |  |  |   |  |
| 6,0x100            |                         | 100,0   |   |   |                              |   |  |  |  |   |  |
|                    |                         |  |   |  |                              |  |  |  |  |  |  |

\* 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

|       |       |       |
|-------|-------|-------|
| 15145 | 15151 | 15156 |
| 15146 | 15152 | 15451 |
| 15444 | 15447 |       |
| 15147 | 15153 |       |
| 15445 | 15448 |       |
| 15148 | 15154 |       |
| 15446 | 15449 |       |
| 15149 | 15155 |       |
| 15150 | 15450 |       |

**The manufacturer declares for:****Wood screw Panhead, electro galvanized, 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. Notified body 1235  
DK 474099  
  
Strojirensky Zkusebni Ustav s.p. Notified body 1015  
TJ-30-9961/5
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. 8 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 2013-09-30*

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