ANCHOR SCREW

ELECTRO GALVANIZED/ IMPREG®+

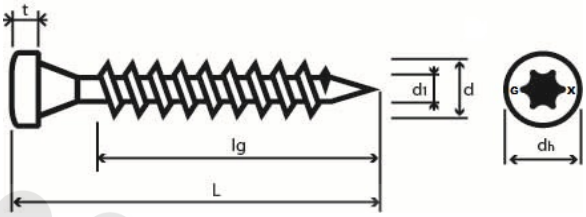
Document no: CE-200004
Used for fitting wood connectors.

Dimensions:
d: 5,0 mm L: 31 - 45 mm

Material:
EN ISO 16120-2

Treatment:
Electro falvanized: min. 20 µm
Impreg®+: SC0204-11, 12 µm (Service class 3)

Screw head:
TX20



DIMENSIONS

ELECTRO GALVANIZED / IMPREG®+

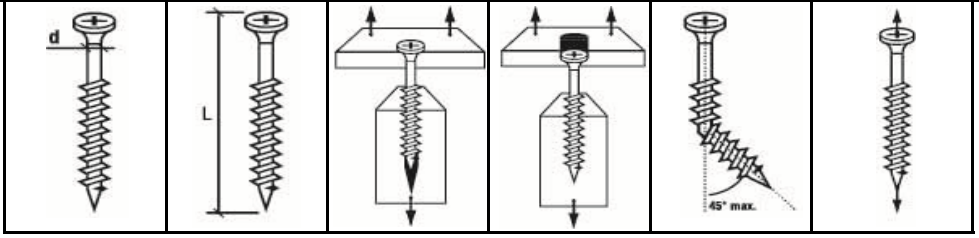
Name	Nominal diameter d [mm]	Total length L [mm]	Threaded length l_g [mm]	Inner threaded diameter d_1 [mm]	Head diameter d_h [mm]	Head thickness t [mm]
5,0x31*	4,9	33,4	26,0	3,4	8,0	2,4
5,0x35		37,4	30,0			
5,0x40		42,4	35,0			
5,0x45		47,4	40,0			
5,0x50		52,4	45,0			

* Marked dimension is not CE marked. It does not meet the requirement lg ≥ 6d (EN 14592)

CHARACTERISTIC LOAD CAPACITY

ELECTRO GALVANIZED / IMPREG®+

Name	Nominal diameter d [mm]	Total length L [mm]	Withdrawal parameter $f_{ax,k}$ [N/mm²]***	Head pull-trough parameter $f_{head,k}$ [N/mm²]***	Yield moment $M_{y,k}$ [Nmm]	Tensile capasity $f_{tens,k}$ [kN]	Torsional ratio $F_{tor,k}/R_{tor,k} \geq 1,5$
5,0x31*	4,9	33,4	10,9	NPD**	6800	8,3	2,4
5,0x35		37,4	9,8				
5,0x40		42,4	10.3				
5,0x45		47,4	9,8				
5,0x50		52,4	9,8				



* Dimension is not CE marked. It does not meet the requirement lg ≥ 6d (SS-EN 14592)

** "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 ρ_k=350 kg/m^3 (C24). When wood with another density is used values shall be multiplied with ρk/350.

DECLARATION OF CONFORMITY

In accordance with the decision made of Commission 97/176/EC from 1997-02-17, as given in Annex III by mandate of "Structural timber products and ancillaries" and Directive 93/68/EEC from 1993-07-22, the manufacturer declares for:

Anchor screw, electro galvanized 20 µm, diameter 4,9 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 426382-1, Taastrup, 2011-04-29.
$f_{tor,k}$ and $R_{tor,k}$: report DK 426382-2, Taastrup, 2011-04-29.
$M_{y,k}$: report DK 426382-3, Taastrup, 2011-05-05.
$f_{ax,k}$: Report DK 432630-2, and report DK 426382-4, Taastrup, 2011-05-12.
$f_{u,k}$: report DK 1302213, Taastrup, 2011-06-27

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. 20 µm. Service Class 2

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 2012-11-28

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Head of Operation, Claes Arnesson

Gunnebo Industries AB
Fastening Systems
590 93 Gunnebo
Sweden

DECLARATION OF CONFORMITY

In accordance with the decision made of Commission 97/176/EC from 1997-02-17, as given in Annex III by mandate of ”Structural timber products and ancillaries” and Directive 93/68/EEC from 1993-07-22, the manufacturer declares for:

Anchor screw, Impreg®+, Service class 3, diameter 4,9 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 426382-1, Taastrup, 2011-04-29.
$f_{tor,k}$ and $R_{tor,k}$: report DK 426382-2, Taastrup, 2011-04-29.
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$f_{ax,k}$: Report DK 432630-2, and report DK 426382-4, Taastrup, 2011-05-12.
$f_{u,k}$: report DK 1302213, Taastrup, 2011-06-27

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.

Impreg®+, 12 µm

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 2012-11-28

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