



DECLARATION OF PERFORMANCE NR:  
**DOP-200004**

Version: V-1.2019

ACCORDING TO THE REGULATION (EU) No 574/2014 OF 21 FEBRUARY 2014r.

**1. Unique identification code of the product-type:**

ANCHOR screw

**2. Intended use or uses of the construction product:**

Designed for fixing carpentry joints

**3. Manufacturer:**

GBO Fastening systems AB  
Bruksvägen 2, SE59093 Gunnebo, Sweden

**4. Authorized representative:**

Not applicable

**5. System of assessment and verification of constancy of performance:**

System 3 according Annex V Regulation of the European Parliament and of the Council of 9 March 2011 (Construction Product Regulation - CPR)

**6. Harmonized standard:**

EN 14592:2008 - „ Wooden constructions - Pin type fasteners - - Requirements ".  
CE-200004- A1

**Notified body or bodies:**

DTI, Danish Technological Institute.

$f_{ax, k}$ : DK 432630-2, DK 426382-4, Taastrup, 12.05.2011.

$f_{tens, k}$ : DK 426382-1, Taastrup, 29.04.2011.

$f_{tor, k}$  i  $R_{tor, k}$ : DK 426382-2, Taastrup, 29.04.2011.

$M_{y, k}$ : DK 426382-3, Taastrup, 05.05.2011.

$F_{uk}$ : DK 1302213, Taastrup, 27.06.2011

**7. Declared performance:**

Dimensions:	Tooling:	Cut on the head:	Material:
d 5,0 mm L 31 - 45 mm	Electroplated: min. 20 $\mu$ m Impreg <sup>®</sup> +: SC0204-11, Corrosivity class C4 environment	TX 20	EN ISO 16120-2

**Table 1. Dimensions:**

ELECTROLYTIC ZINC PLATED / IMPREG®+						
Name	Nominal diameter d [mm]	Inner diameter d <sub>1</sub> [mm]	Total length L [mm]	The length of the threaded part l <sub>g</sub> [mm]	Diameter of the head d <sub>h</sub> [mm]	Head height t [mm]
5,0 x 31*	4,9	3,4	35,0	20,0	8,0	2,4
5,0 x 35			45,0	23,0		
5,0 x 40			55,0	27,5		
5,0 x 45			75,0	35,0		
5,0 x 50			90,0	45,0		

\* The dimension marked is not marked with the CE mark. Does not meet the requirements of  $l_g \geq 6d$  (EN 14592)

**Table 2. Characteristic load:**

ELECTROLYTIC ZINC PLATED / IMPREG®+							
Name	Nominal diameter d [mm]	Total length L [mm]	Pull out parameter f <sub>ax,k</sub> [N/mm <sup>2</sup> ] <sup>***</sup>	Head drag parameter f <sub>head,k</sub> [N/mm <sup>2</sup> ]	The limit of plasticity M <sub>y,k</sub> [Nmm]	Tensile strength f <sub>tens,k</sub> [kN]	Turn rate F <sub>tor,k</sub> / R <sub>tor,k</sub> ≥ 1,5
5,0 x 31*	4,9	35,0	10,9	NPD**	6800	8,3	2,4
5,0 x 35		45,0	9,8				
5,0 x 40		55,0	10,03				
5,0 x 45		75,0	9,8				
5,0 x 50		90,0	9,8				
<p>* The dimension marked is not marked with the CE mark. Does not meet the requirements of <math>l_g \geq 6d</math> (EN 14592)</p> <p>** "Unspecified parameter"</p> <p>*** Endurance for faxing, k is tested in wood with characteristic density (<math>\rho_k</math>) 350 kg / m<sup>3</sup> (C24). M When wood with a different density is used, fax, k should be multiplied by <math>\rho_k / 350</math>.</p>							

**8. Product identification:**

The following articles, which are sold under the ETANCO brand, are covered by this declaration of performance:

ARTICLE NUMBER		
18225	7254	7255
7257	70155	70157
70158	69816	69836
69815	69817	

**9. Relevant technical documentation or special technical documentation**

**Not applicable**

**Performance properties of the product described above are compatible with the set of declared performance characteristics. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer referred above**

**On behalf of the producer signed:**

Mariusz Jurkiewicz

In Orneta, date 25.04.2019