



DECLARATION OF PERFORMANCES



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PGW-CS (EN)

1. Unique identification code of the product-type:

Chipboard screws PGB type :

- PGWVZV : Countersunk head, Pozidriv recess, full thread (replace DOP MWVZV001)
- PGWVZG : Countersunk head, Pozidriv recess, partial thread (replace DOP MWVZG001)
- PGWVTV : Countersunk head, T-drive recess, full thread (replace DOP MWVTV001)
- PGWVTG : Countersunk head, T-drive recess, partial thread (replace DOP MWVTG001)
- PGWCZV : Pan head, Pozidriv recess, full thread (replace DOP MWCZV001)
- PGWCZG : Pan head, Pozidriv recess, partial thread (replace DOP MWCZG001)
- PGWCTV : Pan head, T-drive recess, full thread (replace DOP MWCTV001)
- PGWCTG : Pan head, T-drive recess, partial thread (replace DOP MWCTG001)
- PGWVDG : Countersunk head with hole, Pozidriv recess, partial thread (replace DOP MWVDG001)

2. Intended use(s) :

Product	Intended use
Chipboard screws	Self-tapping screw to be used for structural connections in timber constructions

3. Manufacturer:

pgb-Europe nv – Gontrode Heirweg 170 – 9090 Melle – Belgium

4. AVCP system:

System 3

5. Harmonized norm and notified body:

Norm: EN 14592:2008+A1:2012
Report: Initial Type Test report n° 30-9673/1-6
Performed by: STROJIRENSKY ZKUSEBNI USTAV, s.p.- Hudcova 56b, 621 00 BRNO - Czech Republic
Notified body : CE 1015

6. Declared performances :

See next pages

The performances of the product identified above are in conformity with the declared performances. This declaration of performance is issued under the sole responsibility of the manufacturer identified above in accordance with the EU Construction Product Regulation N° 305/2011.



Place and date of issue	Signed for and on behalf of the manufacturer by	
Melle, 03/01/2024	nv pgb-Europe sa Gontrode Heirweg 170 9090 MELLE BE 0425 888 396	Johannes Heye, product manager 



Declared performances:

Generic type:	Chipboard screws
Material:	Carbon steel ASTM-SAE C1022 (case hardened)
Corrosion protection:	Zinc plating Cr3+, minimum 5 µm above class 24 Yellow zinc plating Cr6+, minimum 5 µm above class 24 Blacktop (zinc plating + black surface treatment)
Service class:	Service class 1 according to EN 1995-1-1 (CR3+ and CR6+) Service class 1, 2 according to EN 1995-1-1 (Blacktop)
Fire resistance:	NPD
Reaction to fire:	Classification A1 according to EN13501-1
Intended use:	Self-tapping screw to be used for structural connections in timber constructions

Essential characteristics		Performance					
		Ø 3	Ø 3,5	Ø 4	Ø 4,5	Ø 5	Ø 6
Characteristic yield moment $M_{y,k}$	[Nmm]	1587	2822	3559	5188 ¹ 6994 ²	6984 ¹ 10409 ²	12043 ¹ 17109 ²
	[N/mm ²]	19,53 ³ 13,39 ⁴	18,01 ³ 14,61 ⁴	17,65 ³ 15,33 ⁴	18,61 ³ 14,62 ⁴	19,15 ³ 18,10 ⁴	17,63 ³ 14,56 ⁴
Wood density	ρ _k [kg/m ³]	400					
Characteristic head pull-through parameter $f_{head,k}$	[N/mm ²]	35,37	30,25	23,25	19,92	23,69	25,28
	ρ _k [kg/m ³]	425	480	400	415	505	490
Characteristic tensile capacity $f_{tens,k}$	[kN]	3,26	3,86	5,1	7,06	6,92	10,54
Characteristic torsional ratio (ρ _k 450 kg/m ³)	[-]	1,7	2,04	2,04	2,22	2,16	2,36

Tested according to Harmonized Technical Specification EN 14592:2008+A1:2012.

Timber for testing was conditioned at the temperature of 20°C and humidity of 65%. Dimension of the blocks :

200x200x120 mm



¹ Smooth part

² Threaded part

³ Loading across the fiber

⁴ Loading along the fiber