



DECLARATION OF PERFORMANCES



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PGW-SS (EN)

1. Unique identification code of the product-type:

- Chipboard screws PGB A2/A4 type :
- PGWVZV : Countersunk head, Pozidriv recess, full thread (Replace DOP MWVZV101)
 - PGWVZG : Countersunk head, Pozidriv recess, partial thread (Replace DOP MWVZG101)
 - PGWVTV : Countersunk head, T-drive recess, full thread (Replace DOP MWVTV101)
 - PGWVTG : Countersunk head, T-drive recess, partial thread (Replace DOP MWVTG101)
 - PGWCZV : Pan head, Pozidriv recess, full thread (Replace DOP MWCZV101)
 - PGWCZG : Pan head, Pozidriv recess, partial thread (Replace DOP MWCZG101)
 - PGWCTV : Pan head, T-drive recess, full thread (Replace DOP MWCTV101)
 - PGWCTG : Pan head, T-drive recess, partial thread (Replace DOP MWCTG101)
 - PGWVDG : Countersunk head with hole, Pozidriv recess, partial thread (Replace DOP MWVDG101)

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° 311002227/1/2014
Performed by: HFB Engineering GMBH - Zschortauer Straße 42 - 04129 Leipzig
Notified body : CE 1034

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:	Stainless steel A2 grade 60 according to EN ISO 3506-1 Stainless steel A4 grade 70 according to EN ISO 3506-1
Service class:	Service class 1, 2 and 3 according to EN 1995-1-1
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]	-	1310	2120	2430	3330	6330
Characteristic withdrawal parameter $f_{ax,k}$	[N/mm ²]	30.8	27.3	22.4	23.8	22.3	21.4
Wood density	ρ_k [kg/m ³]	450					
Characteristic head pull-through parameter $f_{head,k}$	[N/mm ²]	26.6	22.2	18.0	23.0	22.2	20.0
Wood density	ρ_k [kg/m ³]	450					
Characteristic tensile capacity $f_{tens,k}$	[kN]	2.12	2.75	3.60	4.33	5.32	7.48
Characteristic torsional strength $f_{tor,k}$	[Nm]	0.79	1.38	2.17	2.73	4.06	7.16
Characteristic torsional resistance $R_{tor,k}$	[Nm]	0.36	0.76	0.95	1.24	1.78	2.69
Characteristic torsional ratio (ρ_k 450 kg/m ³)	[-]	2.19	1.82	2.28	2.20	2.28	2.66

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%.

