

## PWVZG001



Issued in accordance with the Construction Products Regulation(CPR) 305/2011/EU.  
pgb-Europe nv hereby declares that the products mentioned below comply with the requirements of:

### EN 14592 2008+A1 2012 – Timber structures - Dowel-type fasteners

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1. *Unique identification code of the product-type:*  
**PWVZG**
2. *Type or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):*  
**see annex 1 to this document**
3. *Intended uses of the construction product, in accordance with the applicable harmonized technical specification as foreseen by the manufacturer:*

<b>Type:</b>	Wood screw "pfs+" with partial thread with 4 flutes, double countersunk head with 4 nibs under the head, pozidriv recess.
<b>Material:</b>	Carbon steel ASTM-SAE C1022 (case hardened)
<b>Corrosion protection:</b>	Yellow zinc plating Cr6+, minimum 5 µm above class 24
<b>Service class:</b>	Service class 1 according to EN 1995-1-1
<b>Fire resistance:</b>	NPD
<b>Reaction to fire:</b>	Classification A1 according to EN13501-1
<b>Intended use:</b>	Mechanical fasteners for the fastening of non-load bearing constructions and substructures in wood

4. *Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11 (5):*  
**pgb-Europe nv – Gontrode Heirweg 170 – 9090 Melle – Belgium**
5. *Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12 (2):*  
**NOT RELEVANT**
6. *System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:*  
**System 3**
7. *In case of the declaration of performance concerning a construction product covered by a harmonized*

**standard:** EN 14592:2008 +A1-2012  
**performed by:** STROJIRENSKY ZKUSEBNI USTAV, s.p.  
Hudcova 56b, 621 00 BRNO  
Czech Republic  
<http://www.szutest.cz>  
**under system:** 3  
**and issued:** Initial Type Test report n° 30-9673/1-6

# DECLARATION OF PERFORMANCE

DoP PWVZG001 page 2 / 4

8. In case of the declaration of performance concerning a construction product for which European Technical Assessment has been issued:

**NOT RELEVANT**

9. Declared performance:

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 <sup>1</sup> 6994 <sup>2</sup>	6984 <sup>1</sup> 10409 <sup>2</sup>	12043 <sup>1</sup> 17109 <sup>2</sup>
Characteristic withdrawal parameter $f_{ax,k}$	[N/mm <sup>2</sup> ]	19,53 <sup>3</sup> 13,39 <sup>4</sup>	18,01 <sup>3</sup> 14,61 <sup>4</sup>	17,65 <sup>3</sup> 15,33 <sup>4</sup>	18,61 <sup>3</sup> 14,62 <sup>4</sup>	19,15 <sup>3</sup> 18,10 <sup>4</sup>	17,63 <sup>3</sup> 14,56 <sup>4</sup>
Wood density	$\rho_k$ [kg/m <sup>3</sup> ]	400					
Characteristic head pull-through parameter $f_{head,k}$	[N/mm <sup>2</sup> ]	35,37	30,25	23,25	19,92	23,69	25,28
Wood density	$\rho_k$ [kg/m <sup>3</sup> ]	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 ( $\rho_k$ 450 kg/m <sup>3</sup> )	[-]	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%, with dimensions 200x200x120mm.

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Place and date of issue	Signed for and on behalf of the manufacturer by	
Melle, 1/07/2013	 nv pgb-Europe sa Gontrode Heirweg 170 9090 MELLE BE 0425 888 396	Johannes Heye, product manager 

<sup>1</sup> Smooth part

<sup>2</sup> Threaded part

<sup>3</sup> Loading across the fiber

<sup>4</sup> Loading along the fiber

## Annex 1 : Product overview

PWVZG

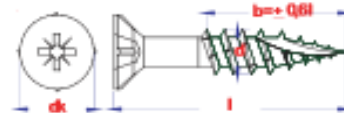
**Chipboard screw pfs+ with double countersunk head, pozidriv**  
with 4 ribs under the head, special cutting point type 17, partial thread, hardened and waxed



**Spaanderplaatschroef pfs+ dubbel verzonken kop, pozidriv**  
met 4 freesribben onder de kop, speciale snijpunt type 17, gedeeltelijke draad, gehard en gewaxt

**Vis à panneaux pfs+ double tête fraisée, empreinte pozi**  
avec 4 nervures sous la tête, pointe coupante type 17, filet partiel, trempée et lubrifiée

**Spanplattenschraube pfs+ Doppelflachkopf, Pozidriv Antrieb**  
4 Fräsrillen, Cut-Spitze Typ 17, Teilgewinde, gehärtet und gleitbeschichtet

Art. Nr. [mm]	EAN code	D [mm]	L [mm]	Z [mm]	dk [mm]		
PWVZGK30025 GZ	5410439212618	3,0	25	PZ 1	6,0	200	16000
PWVZGK30030 GZ	5410439212625	3,0	30	PZ 1	6,0	200	12000
PWVZGK30035 GZ	5410439212632	3,0	35	PZ 1	6,0	200	12000
PWVZGK30040 GZ	5410439212649	3,0	40	PZ 1	6,0	200	9600
PWVZGK35025 GZ	5410439212656	3,5	25	PZ 2	7,0	200	16000
PWVZGK35030 GZ	5410439212663	3,5	30	PZ 2	7,0	200	12000
PWVZGK35035 GZ	5410439212670	3,5	35	PZ 2	7,0	200	12000
PWVZGK35040 GZ	5410439212687	3,5	40	PZ 2	7,0	200	7200
PWVZGK35045 GZ	5410439212694	3,5	45	PZ 2	7,0	200	7200
PWVZGK35050 GZ	5410439212700	3,5	50	PZ 2	7,0	200	7200
PWVZGK40030 GZ	5410439212717	4,0	30	PZ 2	8,0	200	12000
PWVZGK40035 GZ	5410439212724	4,0	35	PZ 2	8,0	200	9600
PWVZGK40040 GZ	5410439212731	4,0	40	PZ 2	8,0	200	7200
PWVZGK40045 GZ	5410439212748	4,0	45	PZ 2	8,0	200	7200
PWVZGK40050 GZ	5410439212755	4,0	50	PZ 2	8,0	200	7200
PWVZGK40060 GZ	5410439212762	4,0	60	PZ 2	8,0	200	4800
PWVZGK40070 GZ	5410439212779	4,0	70	PZ 2	8,0	200	3200
PWVZGK45030 GZ	5410439212786	4,5	30	PZ 2	9,0	200	9600
PWVZGK45035 GZ	5410439212793	4,5	35	PZ 2	9,0	200	7200
PWVZGK45040 GZ	5410439212809	4,5	40	PZ 2	9,0	200	7200
PWVZGK45045 GZ	5410439212816	4,5	45	PZ 2	9,0	200	4800
PWVZGK45050 GZ	5410439212823	4,5	50	PZ 2	9,0	200	4800
PWVZGK45060 GZ	5410439212830	4,5	60	PZ 2	9,0	200	3200
PWVZGK45070 GZ	5410439212847	4,5	70	PZ 2	9,0	200	3200
PWVZGK45080 GZ	5410439212854	4,5	80	PZ 2	9,0	200	2400
PWVZGK50040 GZ	5410439212861	5,0	40	PZ 2	10,0	200	7200
PWVZGK50045 GZ	5410439212878	5,0	45	PZ 2	10,0	200	7200
PWVZGK50050 GZ	5410439212885	5,0	50	PZ 2	10,0	200	4800
PWVZGK50060 GZ	5410439212892	5,0	60	PZ 2	10,0	200	3200



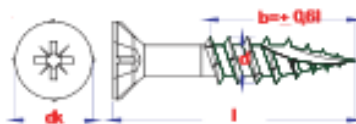
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Art. Nr. [mm]	EAN code	D [mm]	L [mm]	Z [mm]	dk [mm]		
PWVZGK50070 GZ	5410439212908	5,0	70	PZ 2	10,0	200	2400
PWVZGK50080 GZ	5410439212915	5,0	80	PZ 2	10,0	200	2400
PWVZGK50090 GZ	5410439212922	5,0	90	PZ 2	10,0	200	2400
PWVZGK50100 GZ	5410439212939	5,0	100	PZ 2	10,0	200	1600
PWVZGK60060 GZ	5410439212946	6,0	60	PZ 3	12,0	200	2400
PWVZGK60070 GZ	5410439212953	6,0	70	PZ 3	12,0	200	2400
PWVZGK60080 GZ	5410439212960	6,0	80	PZ 3	12,0	200	1600
PWVZGK60090 GZ	5410439212977	6,0	90	PZ 3	12,0	200	1600
PWVZGK60100 GZ	5410439212984	6,0	100	PZ 3	12,0	100	1600
PWVZGK60110 GZ	5410439212991	6,0	110	PZ 3	12,0	100	1200
PWVZGK60120 GZ	5410439213004	6,0	120	PZ 3	12,0	100	1200
PWVZGK60130 GZ	5410439213035	6,0	130	PZ 3	12,0	100	1200
PWVZGK60140 GZ	5410439213042	6,0	140	PZ 3	12,0	100	1200
PWVZGK60150 GZ	5410439213059	6,0	150	PZ 3	12,0	100	1200
PWVZGK60160 GZ	5410439213066	6,0	160	PZ 3	12,0	100	800
PWVZGK60180 GZ	5410439213073	6,0	180	PZ 3	12,0	100	800
PWVZGK60200 GZ	5410439213080	6,0	200	PZ 3	12,0	100	800