

## PWVZV001



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:*  
**PWVZV**
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>Generic type:</b>	Wood screw "pfs+" with full 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

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	Signature
Melle, 1/07/2013	<div style="border: 1px solid black; padding: 5px; display: inline-block;">                     nv pgb-Europe sa                      Gontrode Heirweg 170                      9090 MELLE                      BE 0425 888 396                 </div> 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

PWVZV

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

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



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

**Spanplattenschraube pfs+ Doppelflachkopf, Pozidriv Antrieb**  
4 Fräserippen, Cuf-Spitze Typ 17, Vollgewinde, gehärtet und gleitbeschichtet







Art. Nr. [mm]	EAN code	D [mm]	L [mm]	Z [mm]	dk [mm]		
PWWZVK25012 GZ	5410439211697	2,5	12	PZ 1	5,0	200	28800
PWWZVK25016 GZ	5410439211796	2,5	16	PZ 1	5,0	200	28800
PWWZVK25020 GZ	5410439211802	2,5	20	PZ 1	5,0	200	28800
PWWZVK30012 GZ	5410439211819	3,0	12	PZ 1	6,0	200	28800
PWWZVK30016 GZ	5410439211826	3,0	16	PZ 1	6,0	200	28800
PWWZVK30020 GZ	5410439211833	3,0	20	PZ 1	6,0	200	16000
PWWZVK30025 GZ	5410439211840	3,0	25	PZ 1	6,0	200	16000
PWWZVK30030 GZ	5410439211857	3,0	30	PZ 1	6,0	200	12000
PWWZVK30035 GZ	5410439211864	3,0	35	PZ 1	6,0	200	12000
PWWZVK30040 GZ	5410439211871	3,0	40	PZ 1	6,0	200	9600
PWWZVK35012 GZ	5410439211888	3,5	12	PZ 2	7,0	200	28800
PWWZVK35016 GZ	5410439211895	3,5	16	PZ 2	7,0	200	28800
PWWZVK35020 GZ	5410439211994	3,5	20	PZ 2	7,0	200	16000
PWWZVK35025 GZ	5410439212083	3,5	25	PZ 2	7,0	200	16000
PWWZVK35030 GZ	5410439212090	3,5	30	PZ 2	7,0	200	12000
PWWZVK35035 GZ	5410439212106	3,5	35	PZ 2	7,0	200	12000
PWWZVK35040 GZ	5410439212113	3,5	40	PZ 2	7,0	200	7200
PWWZVK35045 GZ	5410439212120	3,5	45	PZ 2	7,0	200	7200
PWWZVK35050 GZ	5410439212137	3,5	50	PZ 2	7,0	200	7200
PWWZVK40012 GZ	5410439212144	4,0	12	PZ 2	8,0	200	28800
PWWZVK40016 GZ	5410439212151	4,0	16	PZ 2	8,0	200	16000
PWWZVK40020 GZ	5410439212168	4,0	20	PZ 2	8,0	200	16000
PWWZVK40025 GZ	5410439212175	4,0	25	PZ 2	8,0	200	12000
PWWZVK40030 GZ	5410439212182	4,0	30	PZ 2	8,0	200	12000
PWWZVK40035 GZ	5410439212199	4,0	35	PZ 2	8,0	200	9600
PWWZVK40040 GZ	5410439212205	4,0	40	PZ 2	8,0	200	7200
PWWZVK40045 GZ	5410439212229	4,0	45	PZ 2	8,0	200	7200
PWWZVK40050 GZ	5410439212236	4,0	50	PZ 2	8,0	200	7200
PWWZVK40055 GZ	5410439212243	4,0	55	PZ 2	8,0	200	4800
PWWZVK40060 GZ	5410439212250	4,0	60	PZ 2	8,0	200	4800

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PWVZV

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



**Spaanderplaat Schroef pfs+ dubbel verzonken kop, pozidriv**  
met 4 freeribben onder de kop, speciale snijpunt type 17, volledige draad, gehard en gewaxt



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



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



Art. Nr. [mm]	EAN code	D [mm]	L [mm]	Z [mm]	dk [mm]		
PWVZVK45016 GZ	5410439212267	4,5	16	PZ 2	9,0	200	16000
PWVZVK45020 GZ	5410439212274	4,5	20	PZ 2	9,0	200	12000
PWVZVK45025 GZ	5410439212281	4,5	25	PZ 2	9,0	200	12000
PWVZVK45030 GZ	5410439212298	4,5	30	PZ 2	9,0	200	9600
PWVZVK45035 GZ	5410439212328	4,5	35	PZ 2	9,0	200	7200
PWVZVK45040 GZ	5410439212335	4,5	40	PZ 2	9,0	200	7200
PWVZVK45045 GZ	5410439212342	4,5	45	PZ 2	9,0	200	4800
PWVZVK45050 GZ	5410439212359	4,5	50	PZ 2	9,0	200	4800
PWVZVK45055 GZ	5410439212366	4,5	55	PZ 2	9,0	200	4800
PWVZVK45060 GZ	5410439212373	4,5	60	PZ 2	9,0	200	3200
PWVZVK45070 GZ	5410439212380	4,5	70	PZ 2	9,0	200	3200
PWVZVK50016 GZ	5410439212397	5,0	16	PZ 2	10,0	200	12000
PWVZVK50020 GZ	5410439212434	5,0	20	PZ 2	10,0	200	9600
PWVZVK50025 GZ	5410439212441	5,0	25	PZ 2	10,0	200	9600
PWVZVK50030 GZ	5410439212458	5,0	30	PZ 2	10,0	200	7200
PWVZVK50035 GZ	5410439212465	5,0	35	PZ 2	10,0	200	7200
PWVZVK50040 GZ	5410439212472	5,0	40	PZ 2	10,0	200	7200
PWVZVK50045 GZ	5410439212489	5,0	45	PZ 2	10,0	200	7200
PWVZVK50050 GZ	5410439212496	5,0	50	PZ 2	10,0	200	4800
PWVZVK50055 GZ	5410439212502	5,0	55	PZ 2	10,0	200	4800
PWVZVK50060 GZ	5410439212519	5,0	60	PZ 2	10,0	200	3200
PWVZVK50070 GZ	5410439212526	5,0	70	PZ 2	10,0	200	2400
PWVZVK60030 GZ	5410439212533	6,0	30	PZ 3	12,0	200	7200
PWVZVK60035 GZ	5410439212540	6,0	35	PZ 3	12,0	200	4800
PWVZVK60040 GZ	5410439212557	6,0	40	PZ 3	12,0	200	4800
PWVZVK60045 GZ	5410439212564	6,0	45	PZ 3	12,0	200	3200
PWVZVK60050 GZ	5410439212571	6,0	50	PZ 3	12,0	200	3200
PWVZVK60055 GZ	5410439212588	6,0	55	PZ 3	12,0	200	3200
PWVZVK60060 GZ	5410439212595	6,0	60	PZ 3	12,0	200	2400
PWVZVK60070 GZ	5410439212601	6,0	70	PZ 3	12,0	200	1600