

## MWCZV001



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

---

1. *Unique identification code of the product-type:*  
**MWCZV**
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 with full thread and pan head with pozidriv recess
<b>Material:</b>	Carbon steel ASTM-SAE C1022 (case hardened)
<b>Corrosion protection:</b>	Zinc plating Cr3+, 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 MWCZV001 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> ]	38,68	35,80	27,82	26,09	37,53	28,73
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	 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






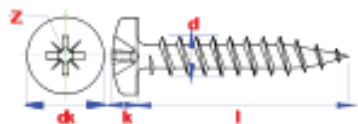
**Chipboard screw with pan head, pozidriv**  
with full thread, hardened and waxed



**Spaanderplaatschroef met cilinderkop, pozidriv**  
met volledige draad, gehard en gewaxt

**Vis à panneaux tête cylindrique, empreinte pozi**  
avec filet complet, trempée et lubrifiée

**Spanplattenschraube Halbrundkopf, Pozidriv Antrieb**  
mit Vollgewinde, gehärtet und gleitbeschichtet



Art. Nr. [mm]	EAN code	D [mm]	L [mm]	Z [mm]	dk [mm]		
MWCZVK30010 Z	5410439208123	3,0	10	PZ 1	6,0	200	28800
MWCZVK30012 Z	5410439000017	3,0	12	PZ 1	6,0	200	28800
MWCZVK30016 Z	5410439000024	3,0	16	PZ 1	6,0	200	28800
MWCZVK30020 Z	5410439000031	3,0	20	PZ 1	6,0	200	16000
MWCZVK30025 Z	5410439000048	3,0	25	PZ 1	6,0	200	16000
MWCZVK30030 Z	5410439000055	3,0	30	PZ 1	6,0	200	12000
MWCZVK35012 Z	5410439000062	3,5	12	PZ 2	7,0	200	28800
MWCZVK35016 Z	5410439000079	3,5	16	PZ 2	7,0	200	28800
MWCZVK35020 Z	5410439000086	3,5	20	PZ 2	7,0	200	16000
MWCZVK35025 Z	5410439000093	3,5	25	PZ 2	7,0	200	16000
MWCZVK35030 Z	5410439000109	3,5	30	PZ 2	7,0	200	12000
MWCZVK35035 Z	5410439000116	3,5	35	PZ 2	7,0	200	9600
MWCZVK35040 Z	5410439108003	3,5	40	PZ 2	7,0	200	7200
MWCZVK40012 Z	5410439000123	4,0	12	PZ 2	8,0	200	16000
MWCZVK40016 Z	5410439000130	4,0	16	PZ 2	8,0	200	16000
MWCZVK40020 Z	5410439000147	4,0	20	PZ 2	8,0	200	16000
MWCZVK40025 Z	5410439000154	4,0	25	PZ 2	8,0	200	12000
MWCZVK40030 Z	5410439000161	4,0	30	PZ 2	8,0	200	12000
MWCZVK40035 Z	5410439000178	4,0	35	PZ 2	8,0	200	9600
MWCZVK40040 Z	5410439000185	4,0	40	PZ 2	8,0	200	7200
MWCZVK40045 Z	5410439000192	4,0	45	PZ 2	8,0	200	7200
MWCZVK40050 Z	5410439000208	4,0	50	PZ 2	8,0	200	7200
MWCZVK40060 Z	5410439230315	4,0	60	PZ 2	8,0	200	4800
MWCZVK45016 Z	5410439000215	4,5	16	PZ 2	9,0	200	16000
MWCZVK45020 Z	5410439000222	4,5	20	PZ 2	9,0	200	12000
MWCZVK45025 Z	5410439000239	4,5	25	PZ 2	9,0	200	12000
MWCZVK45030 Z	5410439000246	4,5	30	PZ 2	9,0	200	9600
MWCZVK45035 Z	5410439000253	4,5	35	PZ 2	9,0	200	7200
MWCZVK45040 Z	5410439000260	4,5	40	PZ 2	9,0	200	7200



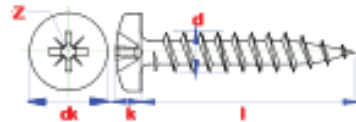
**Chipboard screw with pan head, pozidriv**  
with full thread, hardened and waxed



**Spaanderplaatschroef met cilinderkop, pozidriv**  
met volledige draad, gehard en gewaxt

**Vis à panneaux tête cylindrique, empreinte pozi**  
avec filet complet, trempée et lubrifiée

**Spanplattenschraube Halbrundkopf, Pozidriv Antrieb**  
mit Vollgewinde, gehärtet und gleitbeschichtet

Art. Nr. [mm]	EAN code	D [mm]	L [mm]	Z [mm]	dk [mm]		
MWCZVK45045 Z	5410439000277	4,5	45	PZ 2	9,0	200	4800
MWCZVK45050 Z	5410439000284	4,5	50	PZ 2	9,0	200	4800
MWCZVK45060 Z	5410439428323	4,5	60	PZ 2	9,0	200	3200
MWCZVK50016 Z	5410439000291	5,0	16	PZ 2	10,0	200	12000
MWCZVK50020 Z	5410439000307	5,0	20	PZ 2	10,0	200	9600
MWCZVK50025 Z	5410439000314	5,0	25	PZ 2	10,0	200	9600
MWCZVK50030 Z	5410439000321	5,0	30	PZ 2	10,0	200	7200
MWCZVK50035 Z	5410439000338	5,0	35	PZ 2	10,0	200	7200
MWCZVK50040 Z	5410439000345	5,0	40	PZ 2	10,0	200	7200
MWCZVK50045 Z	5410439000352	5,0	45	PZ 2	10,0	200	4800
MWCZVK50050 Z	5410439000369	5,0	50	PZ 2	10,0	200	4800
MWCZVK50060 Z	5410439000376	5,0	60	PZ 2	10,0	200	3200
MWCZVK50070 Z	5410439204262	5,0	70	PZ 2	10,0	200	2400
MWCZVK60020 Z	5410439428293	6,0	20	PZ 3	12,0	200	7200
MWCZVK60030 Z	5410439321440	6,0	30	PZ 3	12,0	200	4800
MWCZVK60040 Z	5410439000390	6,0	40	PZ 3	12,0	200	4800
MWCZVK60045 Z	5410439000406	6,0	45	PZ 3	12,0	200	3200
MWCZVK60050 Z	5410439000413	6,0	50	PZ 3	12,0	200	3200
MWCZVK60060 Z	5410439000437	6,0	60	PZ 3	12,0	200	2400
MWCZVK60070 Z	5410439208147	6,0	70	PZ 3	12,0	200	2400
MWCZVK60080 Z	5410439208154	6,0	80	PZ 3	12,0	200	1600