

## MWCTG001



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:*  
**MWCTG**
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 partial thread and pan head with T-drive 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

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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

MWCTGG50080 Z

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MWCTGG60090 Z

MWCTGG60100 Z