

## PWHTG101



Issued in accordance with the Construction Products Regulation (CPD) 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:*  
**PWHTG A2**
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>	Tropical wood screw “pfs <sup>+</sup> ” with partial thread, reduced countersunk head with 4 ribs, T-drive recess.
<b>Material:</b>	Stainless steel A2 grade 50
<b>Service class:</b>	Service class 3 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 wooden constructions like terraces and deckings

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:** HFB Engineering GMBH  
Zschortauer Straße 42  
04129 Leipzig  
**under system:** 3  
**and issued:** Initial Type Test report n° 311002167/1/2013

# DECLARATION OF PERFORMANCE

DoP PWHTG101 page 2 / 3

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 4	Ø 4,5	Ø 5
Characteristic yield moment $M_{y,k}$	[Nmm]	3560	3950	5940
Characteristic withdrawal parameter $f_{ax,k}$ Wood density	[N/mm <sup>2</sup> ]	15,5 <sup>1</sup>	21,4 <sup>1</sup>	17,6 <sup>1</sup>
	$\rho_k$ [kg/m <sup>3</sup> ]	10,2 <sup>2</sup>	16,7 <sup>2</sup>	17,1 <sup>2</sup>
Characteristic head pull-through parameter $f_{head,k}$ Wood density	[N/mm <sup>2</sup> ]	16,6	21,2	15,7
	$\rho_k$ [kg/m <sup>3</sup> ]	450		
Characteristic tensile capacity $f_{tens,k}$	[kN]	5,06	5,59	6,83
Characteristic torsional strength $f_{tor,k}$	[Nm]	3,34	3,57	5,61
Characteristic torsional resistance $R_{tor,k}$	[Nm]	0,63 <sup>3</sup>	0,71 <sup>3</sup>	0,98 <sup>3</sup>
		0,69 <sup>4</sup>	0,78 <sup>4</sup>	1,07 <sup>4</sup>
Characteristic torsional ratio ( $\rho_k$ 450 kg/m <sup>3</sup> )	[-]	5,3 / 4,8	5,0 / 4,6	5,7 / 5,2

Tested according to Harmonized Technical Specification EN 14592 2008+A1:2012.

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, 10/10/2013	 nv pgb-Europe sa Gontrode Heirweg 170 9090 MELLE BE 0425 888 396	Johannes Heye, product manager 

<sup>1</sup> Loading across the fiber

<sup>2</sup> Loading along the fiber

<sup>3</sup> Threaded part

<sup>4</sup> Shaft

## Annex 1 : Product overview

PWHTG

**Tropical hardwood screw with small head, T-drive**  
 head 60° with 4 ribs, square thread, special cutting point type 17, partial thread, waxed

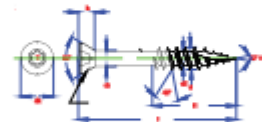
**Hardhoutschroef met kleine kop, T-drive**  
 kop 60° met 4 freesribben, speciale houtdraad, speciale snijpunt type 17, gewaxt



**Vis pour bois dur tropique avec tête petite, empreinte étoile-T**  
 tête reduite 60°, avec 4 nervures sous la tête, filet spécial, pointe coupante type 17, filet partiel, lubrifiée

**Hartholzschrauben mit Senkkopf, I-Stern Antrieb**  
 Kopf 60° mit 4 Fräsribben, Cut-Spitze Typ 17, Teilgewinde, gleitbeschichtet







Art, Nr, [mm]	EAN code	D [mm]	L [mm]	T [mm]	dk [mm]		
PWHTGG40040 A2	5410439574440	4,0	40	Tx 20	6,0	200	7200
PWHTGG45050 A2	5410439574471	4,5	50	Tx 20	7,0	200	7200
PWHTGG45080 A2	5410439574488	4,5	80	Tx 20	7,0	200	4800
PWHTGG45070 A2	5410439574495	4,5	70	Tx 20	7,0	200	3200
PWHTGG50040 A2	5410439829355	5,0	40	Tx 25	7,5	200	7200
PWHTGG50050 A2	5410439574501	5,0	50	Tx 25	7,5	200	4800
PWHTGG50080 A2	5410439829324	5,0	80	Tx 25	7,5	200	3200
PWHTGG50070 A2	5410439829331	5,0	70	Tx 25	7,5	200	3200
PWHTGG50080 A2	5410439829348	5,0	80	Tx 25	7,5	200	3200