

## PWHTG001



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:*  
**PWHTG**
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>	AISI 410
<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 PWHTG001 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]	3580	5320	7070
Characteristic withdrawal parameter $f_{ax,k}$ Wood density	[N/mm <sup>2</sup> ]	15,2 <sup>1</sup>	33,6 <sup>1</sup>	23,4 <sup>1</sup>
	$\rho_k$ [kg/m <sup>3</sup> ]	12,0 <sup>2</sup>	24,3 <sup>2</sup>	23,7 <sup>2</sup>
Characteristic head pull-through parameter $f_{head,k}$ Wood density	[N/mm <sup>2</sup> ]	15,1	16,8	14,8
	$\rho_k$ [kg/m <sup>3</sup> ]		450	
Characteristic tensile capacity $f_{tens,k}$	[kN]	5,82	7,64	9,65
Characteristic torsional strength $f_{tor,k}$	[Nm]	3,11	4,63	6,15
Characteristic torsional resistance $R_{tor,k}$	[Nm]	0,65 <sup>3</sup>	1,01 <sup>3</sup>	1,32 <sup>3</sup>
		0,96 <sup>4</sup>	1,47 <sup>4</sup>	1,69 <sup>4</sup>
Characteristic torsional ratio ( $\rho_k$ 450 kg/m <sup>3</sup> )	[-]	4,8 / 3,2	4,6 / 3,1	4,7 / 3,6

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





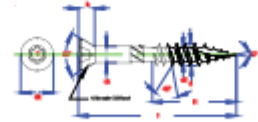
**Tropical hardwood screw with small head, T-drive**  
 head 60° with 4 ribs, milling segment on the shank, special cutting point type 17, partial thread, hardened and passivated bright



**Hardhoutschroef met kleine kop, T-drive**  
 kop 60° met 4 freesribben, freesribben op de schacht, speciale snijpunt type 17, gehard en gewaxt

**Vis pour bois dur tropique avec tête petite, empreinte étoile-T**  
 tête réduite 60°, avec 4 nervures sous la tête et nervures sur le corps, pointe coupante type 17, filet partiel, trempée et lubrifiée

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



Art, Nr, [mm]	EAN code	D [mm]	L [mm]	T [mm]	dk [mm]		
PWHTGG40040 C2	5410439402934	4,0	40	Tx 20	6,0	200	7200
PWHTGG40045 C2	5410439402941	4,0	45	Tx 20	6,0	200	7200
PWHTGG40050 C2	5410439402958	4,0	50	Tx 20	6,0	200	7200
PWHTGG40060 C2	5410439402965	4,0	60	Tx 20	6,0	200	4800
PWHTGG45050 C2	5410439402989	4,5	50	Tx 20	7,0	200	7200
PWHTGG45060 C2	5410439402996	4,5	60	Tx 20	7,0	200	4800
PWHTGG45070 C2	5410439403009	4,5	70	Tx 20	7,0	200	3200
PWHTGG45080 C2	5410439403016	4,5	80	Tx 20	7,0	200	3200
PWHTGG50040 C2	5410439352284	5,0	40	Tx 25	7,5	200	7200
PWHTGG50050 C2	5410439403023	5,0	50	Tx 25	7,5	200	4800
PWHTGG50060 C2	5410439403030	5,0	60	Tx 25	7,5	200	3200
PWHTGG50070 C2	5410439403047	5,0	70	Tx 25	7,5	200	3200
PWHTGG50080 C2	5410439403054	5,0	80	Tx 25	7,5	200	3200
PWHTGK40040 C2	5410439318976	4,0	40	Tx 20	6,0	100	6000
PWHTGK40045 C2	5410439320139	4,0	45	Tx 20	6,0	100	6000
PWHTGK40050 C2	5410439318983	4,0	50	Tx 20	6,0	100	6000
PWHTGK40060 C2	5410439320085	4,0	60	Tx 20	6,0	100	6000
PWHTGK45050 C2	5410439320092	4,5	50	Tx 20	7,0	50	3000
PWHTGK45060 C2	5410439320146	4,5	60	Tx 20	7,0	50	3000
PWHTGK45070 C2	5410439320153	4,5	70	Tx 20	7,0	50	3000
PWHTGK45080 C2	5410439320160	4,5	80	Tx 20	7,0	50	3000
PWHTGK50050 C2	5410439320177	5,0	50	Tx 25	7,5	50	3000
PWHTGK50060 C2	5410439320184	5,0	60	Tx 25	7,5	50	3000
PWHTGK50070 C2	5410439320191	5,0	70	Tx 25	7,5	50	3000
PWHTGK50080 C2	5410439320207	5,0	80	Tx 25	7,5	50	3000