

PETTG001



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:*
PETTG
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:*

Generic type:	Wood construction screw with cutting point, partial thread with flutes and milling segment on the shank, flange head, T-drive recess
Material:	Carbon steel ASTM-SAE 10B21 (case hardened)
Corrosion protection:	Zinc plating, minimum 8 µm, ISO 4042 A2
Service class:	Service class 2 according to EN 1995-1-1
Fire resistance:	NPD
Reaction to fire:	Classification A1 according to EN13501-1
Intended use:	Screws for load-bearing timber structures

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° 311002513/1/2017

8. *In case of the declaration of performance concerning a construction product for which European Technical Assessment has been issued:*
NOT RELEVANT
-

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9. Declared performance:

Essential characteristics				Performance		
				Ø 6	Ø 8	Ø 10
	$M_{y,k}$	Characteristic yield moment	[Nm]	7,84	23,88	40,14
	$f_{ax,k}$	Characteristic withdrawal parameter	[N/mm ²]	15,4	13,9	13,9
	$F_{AZ,max,MW}$	Withdrawal (mean values)	[kN]	11,83	15,15	17,33
	ρ_k	Wood density	[kg/m ³]	464	463	451
		Screw-in depth	[mm]	114	112	110
	$f_{head,k}$	Characteristic head pull-through parameter	[N/mm ²]	24,8	21,0	19,9
	ρ_k	Wood density	[kg/m ³]	524	475	513
	$F_{KDZ,max,MW}$	Head pull through (mean values)	[kN]	6,75	13,97	23,30
	$f_{tens,k}$	Characteristic tensile capacity	[kN]	11,81	22,74	40,33
	$f_{tor,k}$	Characteristic torsional strength	[Nm]	10,4	27,1	56,5
	$R_{tor,k, thread}$	Characteristic insertion moment	[Nm]	5,73	12,13	16,72
	$R_{tor,k, shaft}$	Characteristic insertion moment	[Nm]	5,72	13,76	23,63
	ρ_k	Wood density	[kg/m ³]	450	450	450
	$f_{tor,k} / R_{tor,k}$	Characteristic torsional ratio (smooth part / threaded part)	[-]	1,7 1,7	2,1 2,2	3,4 2,4

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, 12/06/2017	<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 

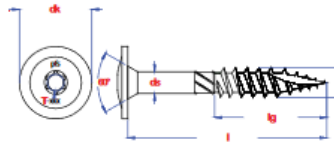
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Annex 1 : Product overview



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Ø [mm]	l [mm]	Art. Nr.	EAN code	TX	dk [mm]		
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	60	PETGK060060Z	5410439360494	TX 30	14	100	1600
	70	PETGK060070Z	5410439360500	TX 30	14	100	1600
	80	PETGK060080Z	5410439390286	TX 30	14	100	1600
	100	PETGK060100Z	5410439390293	TX 30	14	100	1600
	120	PETGK060120Z	5410439390309	TX 30	14	100	1200
	140	PETGK060140Z	5410439206518	TX 30	14	100	1200
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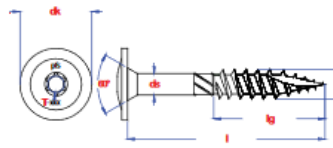
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	100	PETTGK080100Z	5410439318570	TX 40	22	50	600
	120	PETTGK080120Z	5410439317085	TX 40	22	50	600
	140	PETTGK080140Z	5410439318600	TX 40	22	50	600
	160	PETTGK080160Z	5410439318617	TX 40	22	50	400
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	320	PETTGK080320Z	5410439318693	TX 40	22	50	
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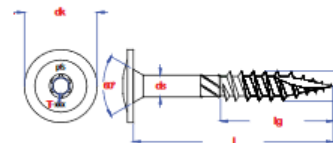
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	300	PETTGK080300GZ	5410439641197	TX 40	22	50	
	320	PETTGK080320GZ	5410439641203	TX 40	22	50	
	340	PETTGK080340GZ	5410439641210	TX 40	22	50	
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Ø [mm]	l [mm]	Art. Nr.	EAN code	TX	dk [mm]		
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8,0	40	PETTGK080040ZZ	5410439329385	TX 40	22	50	
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