

## HAEVTG001



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

---

- Unique identification code of the product-type:*  
**HAEVTG**
- 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**
- Intended uses of the construction product, in accordance with the applicable harmonized technical specification as foreseen by the manufacturer:*

<b>Generic type:</b>	Hapax BlueTop wood construction screw with countersunk head
<b>Material:</b>	Carbon steel ASTM-SAE 10B21 (case hardened)
<b>Corrosion protection:</b>	Zinc plating, minimum 8 µm, ISO 4042
<b>Service class:</b>	Service class 2 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>	Screws for load-bearing timber structures

- 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**
- Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12 (2):*  
**NOT RELEVANT**
- System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:*  
**System 3**
- 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° 311002700/1/2019

# Declaration of Performance






DoP HAEVTG001 page 2 / 4

Rev. 00

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 5		Ø 6		Ø 8		
	$M_{y,k}$	Characteristic yield moment	[Nm]	5,23		11,16		29,08		
	$f_{ax,k}$	Characteristic withdrawal parameter	[N/mm <sup>2</sup> ]	16,2	16,5	16,1	11,1	12	10,5	
	$F_{AZ,max,MW}$	Withdrawal (mean values)	[kN]	4,0	6,41	5,36	7,68	6,88	10,0	
	$\rho_k$	Wood density	[kg/m <sup>3</sup> ]	457	420	453	428	409	420	
		Screw-in depth	[mm]	41	70	50	100	60	100	
	<b>Plywood 15mm</b>									
	$f_{head,k}$	Characteristic head pull-through parameter	[N/mm <sup>2</sup> ]	2,88		19,3		13,1		
	$\rho_k$	Wood density	[kg/m <sup>3</sup> ]	442		455		466		
$F_{KDZ,max,MW}$	Head pull through (mean values)	[kN]	16,4		4,13		4,81			
	$f_{tens,k}$	Characteristic tensile capacity	[kN]	10,1		12,46		26,19		
	$f_{tor,k}$	Characteristic torsional strength	[Nm]	7,7		11,31		29,87		
	$R_{tor,k, thread}$	Characteristic insertion moment	[Nm]	1,75	1,71	2,56	3,43	6,68	5,53	
	$R_{tor,k, shaft}$	Characteristic insertion moment	[Nm]	1,67	2,49	2,94	3,17	7,71	6,41	
	$\rho_k$	Wood density	[kg/m <sup>3</sup> ]	457	420	453	428	409	420	
		Screw-in depth	[mm]	62	112	72	192	92	192	
	$f_{tor,k} / R_{tor,k}$	Characteristic torsional ratio (smooth part / threaded part)	[-]	4,40/ 4,61	4,50/ 3,09	4,42/ 3,85	3,30/ 3,57	4,47/ 3,87	5,40/ 4,66	

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, 06/09/2019	nv pgb-Europe sa Gontrode Heirweg 170 9090 MELLE BE 0425 888 396 

# Declaration of Performance

## Annex 1 :



Hapax constructieschroef met deeldraad, gehard and gewaxt.



d [mm]	l [mm]	dk [mm]	Art. Nr.	EAN code	TX			
5	40	10	HAEVTG001005000403	5410439472517	TX 25	200	7200	172800
	50	10	HAEVTG001005000503	5410439472524	TX 25	200	4800	115200
	60	10	HAEVTG001005000603	5410439472531	TX 25	200	3200	76800
	70	10	HAEVTG001005000703	5410439472548	TX 25	200	2400	57600
	80	10	HAEVTG001005000803	5410439472555	TX 25	200	2400	57600
	90	10	HAEVTG001005000903	5410439472562	TX 25	200	2400	57600
	100	10	HAEVTG001005001003	5410439472579	TX 25	200	1600	38400
	120	10	HAEVTG001005001203	5410439472586	TX 25	200	1600	38400
6	60	12	HAEVTG001006000603	5410439472593	TX 30	200	2400	57600
	70	12	HAEVTG001006000703	5410439472609	TX 30	200	1600	38400
	80	12	HAEVTG001006000803	5410439472616	TX 30	200	1600	38400
	90	12	HAEVTG001006000903	5410439472623	TX 30	200	1600	38400
	100	12	HAEVTG001006001003	5410439472630	TX 30	100	1600	38400
	120	12	HAEVTG001006001203	5410439472647	TX 30	100	1200	28800
	140	12	HAEVTG001006001403	5410439472654	TX 30	100	1200	28800
	160	12	HAEVTG001006001603	5410439472661	TX 30	100	1200	28800
	180	12	HAEVTG001006001803	5410439472678	TX 30	100	800	19200
	200	12	HAEVTG001006002003	5410439472685	TX 30	100	800	19200
	210	12	HAEVTG001006002103	5410439472692	TX 30	100	800	19200
	220	12	HAEVTG001006002203	5410439472708	TX 30	100	800	19200
	230	12	HAEVTG001006002303	5410439472715	TX 30	100	800	19200
	240	12	HAEVTG001006002403	5410439472722	TX 30	100	800	19200
8	260	12	HAEVTG001006002603	5410439472739	TX 30	100	400	9600
	280	12	HAEVTG001006002803	5410439472746	TX 30	100	400	9600
	300	12	HAEVTG001006003003	5410439472753	TX 30	100	400	9600
	80	14,5	HAEVTG001008000803	5410439472760	TX 40	50	800	19200
	100	14,5	HAEVTG001008001003	5410439472777	TX 40	50	800	19200
	120	14,5	HAEVTG001008001203	5410439472784	TX 40	50	600	14400
	140	14,5	HAEVTG001008001403	5410439472791	TX 40	50	600	14400
	160	14,5	HAEVTG001008001603	5410439472807	TX 40	50	600	14400
	180	14,5	HAEVTG001008001803	5410439472814	TX 40	50	400	9600
	200	14,5	HAEVTG001008002003	5410439472821	TX 40	50	400	9600
	220	14,5	HAEVTG001008002203	5410439472838	TX 40	50	400	9600
	240	14,5	HAEVTG001008002403	5410439472845	TX 40	50	400	9600
	260	14,5	HAEVTG001008002603	5410439472852	TX 40	50	200	4800
	280	14,5	HAEVTG001008002803	5410439472869	TX 40	50	200	4800
	300	14,5	HAEVTG001008003003	5410439472876	TX 40	50	200	4800
	320	14,5	HAEVTG001008003203	5410439472883	TX 40	50	200	4800
	340	14,5	HAEVTG001008003403	5410439472890	TX 40	50	-	5700
	360	14,5	HAEVTG001008003603	5410439472906	TX 40	50	-	5700
380	14,5	HAEVTG001008003803	5410439472913	TX 40	50	-	5700	
400	14,5	HAEVTG001008004003	5410439472920	TX 40	50	-	5700	
440	14,5	HAEVTG001008004403	5410439472937	TX 40	50	-	5700	

