

HAWVTG001



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:*
HAWVTG
- 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:*

Generic type:	Hapax BlueTop wood screw with partial thread, countersunk head
Material:	Carbon steel ASTM-SAE 10B21 (case hardened)
Corrosion protection:	Zinc plating, minimum 8 µm, ISO 4042
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

- 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 HAWVTG001 page 2 / 3

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 3	Ø 3,5	Ø 4	Ø 4,5	Ø 5		Ø 6		
	$M_{y,k}$	Characteristic yield moment	[Nm]	1,42	2,87	3,73	5,07	7,20		9,59		
	$f_{ax,k}$	Characteristic withdrawal parameter	[N/mm ²]	20,3	17,3	21,1	21,5	16,7	17,1	17,9	10,7	
	$F_{AZ,max,MW}$	Withdrawal (mean values)	[kN]	1,63	2,04	3,0	4,04	3,42	6,75	5,57	5,20	
	ρ_k	Wood density	[kg/m ³]	455	455	452	468	453	467	485	367	
		Screw-in depth	[mm]	24	30	31	37	37	70	46	68	
	OSB 12mm											
	$f_{head,k}$	Characteristic head pull-through parameter	[N/mm ²]	28,1	18,0	18,2	12,6	12,7				
	ρ_k	Wood density	[kg/m ³]	607	589	596	604	588				
	$F_{KDZ,max,MW}$	Head pull through (mean values)	[kN]	1,13	1,14	1,39	1,43	1,39				
	Fibreboard 16mm											
	Plywood 15mm											
	$f_{head,k}$	Characteristic head pull-through parameter	[N/mm ²]	21,1	22,2	20,1	18,5	24,5		20,5		
	ρ_k	Wood density	[kg/m ³]	534	530	528	533	526		443		
	$F_{KDZ,max,MW}$	Head pull through (mean values)	[kN]	0,81	1,14	1,33	1,47	3,33		3,70		
	Particle board 12mm											
$f_{head,k}$	Characteristic head pull-through parameter	[N/mm ²]	22,8	21,3	17,0	15,2	11,6					
ρ_k	Wood density	[kg/m ³]	624	625	613	615	606					
$F_{KDZ,max,MW}$	Head pull through (mean values)	[kN]	0,90	1,11	1,20	1,21	1,22					
	$f_{tens,k}$	Characteristic tensile capacity	[kN]	3,55	5,68	6,87	7,80	10,55		14,09		
	$f_{tor,k}$	Characteristic torsional strength	[Nm]	1,49	2,83	4,02	4,85	7,77		11,70		
	$R_{tor,k, thread}$	Characteristic insertion moment	[Nm]	0,30	0,41	0,93	0,97	1,15	1,55	2,41	1,90	
	$R_{tor,k, shaft}$	Characteristic insertion moment	[Nm]	0,32	0,50	0,97	1,06	1,33	2,17	2,72	3,26	
	ρ_k	Wood density	[kg/m ³]	455	455	452	468	453	467	485	367	
		Screw-in depth	[mm]	35	44	43	53	53	112	71	151	
	$f_{tor,k}/R_{tor,k}$	Characteristic torsional ratio (smooth part / threaded part)	[-]	4,97/4,65	6,90/5,66	4,32/4,14	5,0/4,58	6,76/5,84	5,01/3,58	4,85/4,30	4,05/3,59	

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 

Annex 1 : Productoverzicht



Hapax universele houtschroef met deeldraad, gehard en gewaxt.



d [mm]	l [mm]	dk [mm]	Art. Nr.	EAN code	TX			
3	25	6	HAWVTG001003000253	5410439010030	TX 10	200	16000	384000
	30	6	HAWVTG001003000303	5410439010047	TX 10	200	12000	288000
	35	6	HAWVTG001003000353	5410439010054	TX 10	200	12000	288000
	40	6	HAWVTG001003000403	5410439010061	TX 10	200	9800	230400
3,5	25	7	HAWVTG001003500253	5410439010078	TX 15	200	14400	384000
	30	7	HAWVTG001003500303	5410439010085	TX 15	200	12000	288000
	35	7	HAWVTG001003500353	5410439010092	TX 15	200	12000	288000
	40	7	HAWVTG001003500403	5410439010108	TX 15	200	7200	172800
	45	7	HAWVTG001003500453	5410439010115	TX 15	200	7200	172800
4	50	7	HAWVTG001003500503	5410439010122	TX 15	200	7200	172800
	30	8	HAWVTG001004000303	5410439010139	TX 20	200	12000	288000
	35	8	HAWVTG001004000353	5410439010337	TX 20	200	9800	230400
	40	8	HAWVTG001004000403	5410439010146	TX 20	200	7200	172800
	45	8	HAWVTG001004000453	5410439010153	TX 20	200	7200	172800
	50	8	HAWVTG001004000503	5410439010160	TX 20	200	7200	172800
	60	8	HAWVTG001004000603	5410439010177	TX 20	200	4800	115200
4,5	70	8	HAWVTG001004000703	5410439010184	TX 20	200	3200	76800
	30	9	HAWVTG001004500303	5410439010191	TX 20	200	9800	230400
	35	9	HAWVTG001004500353	5410439010207	TX 20	200	7200	172800
	40	9	HAWVTG001004500403	5410439010214	TX 20	200	7200	172800
	45	9	HAWVTG001004500453	5410439010443	TX 20	200	4800	115200
	50	9	HAWVTG001004500503	5410439010474	TX 20	200	4800	115200
	60	9	HAWVTG001004500603	5410439010481	TX 20	200	3200	76800
	70	9	HAWVTG001004500703	5410439010498	TX 20	200	3200	76800
5	80	9	HAWVTG001004500803	5410439010504	TX 20	200	3200	76800
	40	10	HAWVTG001005000403	5410439010528	TX 25	200	7200	172800
	45	10	HAWVTG001005000453	5410439010573	TX 25	200	4800	115200
	50	10	HAWVTG001005000503	5410439010610	TX 25	200	4800	115200
	60	10	HAWVTG001005000603	5410439010627	TX 25	200	3200	76800
	70	10	HAWVTG001005000703	5410439010665	TX 25	200	2400	57600
	80	10	HAWVTG001005000803	5410439010672	TX 25	200	2400	57600
	90	10	HAWVTG001005000903	5410439010689	TX 25	200	2400	57600
	100	10	HAWVTG001005001003	5410439010726	TX 25	200	1600	38400
	120	10	HAWVTG001005001203	5410439010733	TX 25	200	1600	38400
6	60	11,5	HAWVTG001006000603	5410439011683	TX 30	200	2400	57600
	70	11,5	HAWVTG001006000703	5410439010757	TX 30	200	2400	57600
	80	11,5	HAWVTG001006000803	5410439010795	TX 30	200	2400	57600
	90	11,5	HAWVTG001006000903	5410439010801	TX 30	200	1600	38400
	100	11,5	HAWVTG001006001003	5410439010825	TX 30	100	1600	38400
	110	11,5	HAWVTG001006001103	5410439010870	TX 30	100	1600	38400
	120	11,5	HAWVTG001006001203	5410439010887	TX 30	100	1200	28800
	130	11,5	HAWVTG001006001303	5410439010894	TX 30	100	1200	28800
	140	11,5	HAWVTG001006001403	5410439010900	TX 30	100	1200	28800
	150	11,5	HAWVTG001006001503	5410439010924	TX 30	100	1200	28800
	160	11,5	HAWVTG001006001603	5410439010993	TX 30	100	1200	28800
	180	11,5	HAWVTG001006001803	5410439011402	TX 30	100	800	19200
	200	11,5	HAWVTG001006002003	5410439011457	TX 30	100	800	19200