

HAWVTV001



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:*
HAWVTV
- 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 full 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







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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	2,61	3,47	4,86	8,37	10,5
	$f_{ax,k}$	Characteristic withdrawal parameter	[N/mm ²]	19,7	14	17,3	15,8	14,3	15,2
	$F_{AZ,max,MW}$	Withdrawal (mean values)	[kN]	1,99	2,82	3,53	4,19	4,27	5,18
	ρ_k	Wood density	[kg/m ³]	457	450	464	450	439	461
		Screw-in depth	[mm]	30	45	44	53	53	51
	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]	3,29	5,58	7,39	8,08	11,78	14,22
	$f_{tor,k}$	Characteristic torsional strength	[Nm]	1,44	2,95	4,28	5,09	8,73	12,04
	$R_{tor,k, thread}$	Characteristic insertion moment	[Nm]	0,32	0,56	0,80	0,80	1,62	1,97
	$R_{tor,k, shaft}$	Characteristic insertion moment	[Nm]	-	-	-	-	-	-
	ρ_k	Wood density	[kg/m ³]	457	450	464	450	439	461
		Screw-in depth	[mm]	30	45	44	53	53	51
	$f_{tor,k}/R_{tor,k}$	Characteristic torsional ratio	[-]	4,5	5,27	5,35	6,36	5,39	6,11

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 :



Hapax universele houtschroef met voldraad, gehard en gewaxt.



d [mm]	l [mm]	dk [mm]	Art. Nr.	EAN code	TX			
3	12	6	HAWVTV001003000123	5410430011884	TX 10	200	28800	601200
	16	6	HAWVTV001003000163	5410430011891	TX 10	200	28800	601200
	20	6	HAWVTV001003000203	5410430011907	TX 10	200	16000	384000
	25	6	HAWVTV001003000253	5410430011914	TX 10	200	16000	384000
	30	6	HAWVTV001003000303	5410430011921	TX 10	200	12000	288000
	35	6	HAWVTV001003000353	5410430011938	TX 10	200	12000	288000
	40	6	HAWVTV001003000403	5410430011945	TX 10	200	9600	230400
3,5	12	7	HAWVTV001003500123	5410430012058	TX 15	200	28800	601200
	16	7	HAWVTV001003500163	5410430012065	TX 15	200	28800	601200
	20	7	HAWVTV001003500203	5410430012072	TX 15	200	16000	384000
	25	7	HAWVTV001003500253	5410430012089	TX 15	200	16000	384000
	30	7	HAWVTV001003500303	5410430012133	TX 15	200	12000	288000
	35	7	HAWVTV001003500353	5410430012140	TX 15	200	12000	288000
	40	7	HAWVTV001003500403	5410430012157	TX 15	200	7200	172800
4	45	7	HAWVTV001003500453	5410430012164	TX 15	200	7200	172800
	50	7	HAWVTV001003500503	5410430012171	TX 15	200	7200	172800
	12	8	HAWVTV001004000123	5410430012188	TX 20	200	28800	601200
	16	8	HAWVTV001004000163	5410430012195	TX 20	200	16000	384000
	20	8	HAWVTV001004000203	5410430012218	TX 20	200	16000	384000
	25	8	HAWVTV001004000253	5410430012225	TX 20	200	12000	288000
	30	8	HAWVTV001004000303	5410430012232	TX 20	200	12000	288000
	35	8	HAWVTV001004000353	5410430012256	TX 20	200	9600	230400
	40	8	HAWVTV001004000403	5410430012263	TX 20	200	7200	172800
	45	8	HAWVTV001004000453	5410430012621	TX 20	200	7200	172800
4,5	50	8	HAWVTV001004000503	5410430012270	TX 20	200	7200	172800
	60	8	HAWVTV001004000603	5410430012287	TX 20	200	4800	115200
	16	9	HAWVTV001004500163	5410430012294	TX 20	200	16000	384000
	20	9	HAWVTV001004500203	5410430012300	TX 20	200	12000	288000
	25	9	HAWVTV001004500253	5410430012317	TX 20	200	12000	288000
	30	9	HAWVTV001004500303	5410430012690	TX 20	200	9600	230400
	35	9	HAWVTV001004500353	5410430012324	TX 20	200	7200	172800
	40	9	HAWVTV001004500403	5410430012331	TX 20	200	7200	172800
	45	9	HAWVTV001004500453	5410430012348	TX 20	200	4800	115200
	50	9	HAWVTV001004500503	5410430012355	TX 20	200	4800	115200
5	60	9	HAWVTV001004500603	5410430012362	TX 20	200	3200	76800
	16	10	HAWVTV001005000163	5410430012379	TX 25	200	12000	288000
	20	10	HAWVTV001005000203	5410430012386	TX 25	200	9600	230400
	25	10	HAWVTV001005000253	5410430012393	TX 25	200	9600	230400
	30	10	HAWVTV001005000303	5410430012409	TX 25	200	7200	172800
	35	10	HAWVTV001005000353	5410430012416	TX 25	200	7200	172800
	40	10	HAWVTV001005000403	5410430013062	TX 25	200	7200	172800
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	50	10	HAWVTV001005000503	5410430012423	TX 25	200	4800	115200
	60	10	HAWVTV001005000603	5410430012430	TX 25	200	3200	76800
6	70	10	HAWVTV001005000703	5410430012447	TX 25	200	2400	57600
	30	11,5	HAWVTV001006000303	5410430012454	TX 30	200	7200	172800
	40	11,5	HAWVTV001006000403	5410430012461	TX 30	200	4800	115200
	45	11,5	HAWVTV001006000453	5410430012478	TX 30	200	3200	76800
	50	11,5	HAWVTV001006000503	5410430012485	TX 30	200	3200	76800
	60	11,5	HAWVTV001006000603	5410430012492	TX 30	200	2400	57600
	70	11,5	HAWVTV001006000703	5410430012508	TX 30	200	2400	57600

