



DECLARATION OF PERFORMANCES



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DIN 571-CS (EN)

1. Unique identification code of the product-type:

Hexagon head coach screws PGB : DIN 571 Z – DIN 571 ZZ – DIN 571 VV
Replace DOP 00571001

2. Intended use(s) :

Product	Intended use
Hexagon head coach screws according to DIN 571	Screws for load-bearing timber structures

3. Manufacturer:

pgb-Europe nv – Gontrode Heirweg 170 – 9090 Melle – Belgium

4. AVCP system:

System 3

5. Harmonized norm and notified body:

Norm: EN 14592:2008+A1:2012
Report: Initial Type Test report n° 311002204/1/2014
Performed by: HFB Engineering GMBH - Zschortauer Straße 42 - 04129 Leipzig
Notified body : CE 1034

6. Declared performances :

See next pages

The performances of the product identified above are in conformity with the declared performances. This declaration of performance is issued under the sole responsibility of the manufacturer identified above in accordance with the EU Construction Product Regulation N° 305/2011.



Place and date of issue	Signed for and on behalf of the manufacturer by	
Melle, 03/01/2024	nv pgb-Europe sa Gontrode Heirweg 170 9090 MELLE BE 0425 888 396	Johannes Heye, product manager 



Declared performances:

Generic type:	Hexagon coach screws, DIN 571
Material:	Carbon steel class 4.8 according to EN ISO 898-1
Corrosion protection:	Zinc plating Cr3+, minimum 5 µm above class 24 Hot dip galvanized , minimum 12 µm Blacktop (zinc plating + black surface treatment)
Service class:	Service class 1 according to EN 1995-1-1 (Zp) Service class 1, 2 according to EN 1995-1-1 (HDG and Blacktop)
Fire resistance:	NPD
Reaction to fire:	Classification A1 according to EN13501-1
Intended use:	Screws for load-bearing timber structures

Essential characteristics		Performances				
		Ø 6	Ø 7	Ø 8	Ø 10	Ø 12
Characteristic yield moment $M_{y,k}$	[Nmm]	7100	11400	16400	35300	64800
Characteristic withdrawal parameter $f_{ax,k}$	[N/mm ²]	12,5	14,8	14,4	8,0	5,9
Characteristic head pull-through parameter $f_{head,k}$	[N/mm ²]	19,8	15,9	16,2	19,5	22,5
Characteristic tensile capacity $f_{tens,k}$	[kN]	8,2	11,2	14,3	20,9	33,2
Characteristic torsional strength $f_{tor,k}$	[Nm]	7,10	12,0	17,8	-	-
Characteristic torsional resistance $R_{tor,k}$	[Nm]	4,4	8,1	10,6	16,2	31,7
Characteristic torsional ratio	[-]	1,6	1,5	1,7	-	-

Tested according to Harmonized Technical Specification EN 14592:2008+A1:2012.

Timber for testing was conditioned at the temperature of 20°C and humidity of 65%. Wood density ρ_k 450 kg/m³

