



Declaration of Performance



07.12.2020

Document No.: 74188-82328-001
Item No.: 5020174188
Description: Hobau screw
Diameter: 4,2 mm
Length: 41 mm
Type of recess: PH2
Thread: Partial coarse thread
Head: Flat head countersunk with 4 nibs
Point: Type 17 cutting edge
Intended use: Load bearing timber constructions
Material: Carbon steel 1022/1018
Assessment system: System 3+
Report No.: 1015-CPR-30-15129/JZ
Certificate No.: CPR-J-01780-20
Notified body / test laboratory: Strojírenský zkušební ústav s.p. N.B. 1015

Declaration of Performance of construction product

Essential characteristics	Performance		Density of wood (kg/m ³)	Harmonized technical specification
Nominal diameter (mm)	4.03-4.3			EN14592:2008+A1:2012
Inner thread diameter (mm)	2.50-2.70			EN 14592:2008+A1:2012
Head diameter (mm)	7.0-7.5			EN 14592:2008+A1:2012
Total length (mm)	39.5-41			EN 14592:2008+A1:2012
Thread length (mm)	19.5-21			EN 14592:2008+A1:2012
Yield moment (Nmm) (I ₂ =1d)	26°	4385		EN 14592:2008+A1:2012
	16°	3979		
Tensile capacity (kN)	6,32			EN 14592:2008+A1:2012
Head pull-through parameter (N/mm ²)	24,39		350	EN 14592:2008+A1:2012
Withdrawal parameter (N/mm ²)	Perpendicular to the grain	18.31	350	EN 14592:2008+A1:2012
	Parallel to the grain	14.27	350	EN 14592:2008+A1:2012
Torsional ratio (Nm)	1.96		450	EN 14592:2008+A1:2012
Durability	Zinc plated, min3 µm Service Class 1			EN1995-1-1

The manufacturer declares for:

The product is in accordance with EN 14592:2008+A1:2012, Tab.ZA.1 Timber structures-Dowel-type fasteners-Requirements.

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