



Declaration of Performance



10.1.2021

Document No.: 23849-06888-001
Item No.: 502223849
Description: Grooved nail
Diameter: 2,1 mm
Length: 50 mm
Head: Round/Flat head
Shank: Grooved
Intended use: Load bearing timber constructions
Material: Carbon steel Q235
Assessment system: System 3+
Report No.: 30-9978/1
Certificate No.: E-30-20891-13
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
Head diameter (mm)	4.5-5.08			EN 14592:2008+A1:2012
Head cross-sectional area(mm ²)	15.90-20.26			EN 14592:2008+A1:2012
Shank diameter (mm)	2.0-2.2			EN 14592:2008+A1:2012
Total length (mm)	48.75-51.25			EN 14592:2008+A1:2012
Yield moment (Nmm)	1971			EN 14592:2008+A1:2012
Tensile capacity (kN)	2.54			EN 14592:2008+A1:2012
Head pull-through parameter (N/mm ²)	24.42		450	EN 14592:2008+A1:2012
Withdrawal parameter (N/mm ²)	Loading across fibre	3.69	450	EN 14592:2008+A1:2012
	Loading along fibre	2.26	450	EN 14592:2008+A1:2012
Durability	Hot-dip zinc coating, min. 50 µm (Service Class 3)			EN1995-1-1

The manufacturer declares for:

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

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