



Declaration of Performance



10.1.2021

Document No.: 23881-07540-001
Item No.: 502223881
Description: Grooved nail
Diameter: 5,5 mm
Length: 175 mm
Head: Round/Flat
Shank: Grooved
Intended use: Load bearing timber constructions
Material: Carbon steel Q235
Assessment system: System 3+
Report No.: 1015-CPR-30-15206/4/JZ
Certificate No.: CPR-J-01951-20
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
Head diameter (mm)	11.9-12.48			EN 14592:2008+A1:2012
Shank diameter (mm)	5.4-5.6			EN 14592:2008+A1:2012
Total length (mm)	173.75-176.25			EN 14592:2008+A1:2012
Yield moment (Nmm)	24003		350	EN 14592:2008+A1:2012
Tensile capacity (kN)	17.12			EN 14592:2008+A1:2012
Head pull-through parameter (N/mm ²)	24.75		350	EN 14592:2008+A1:2012
Withdrawal parameter (N/mm ²)	Perpendicular to the grain	4.42	350	EN 14592:2008+A1:2012
	Parallel to the grain	3.37	350	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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