



Declaration of Performance



10.1.2021

Document No.: 23859-07182-001
Item No.: 502223859
Description: Grooved nail
Diameter: 3,4mm
Length: 100 mm
Head: Round/Flat
Shank: Grooved
Intended use: Load bearing timber constructions
Material: Carbon steel Q235
Assessment system: System 3+
Report No.: 30-9978/6
Certificate No.: E-30-20896-13
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)	7.4-7.98			EN 14592:2008+A1:2012
Head cross-sectional area(mm ²)	42.99-49.99			EN 14592:2008+A1:2012
Shank diameter (mm)	3.3-3.5			EN 14592:2008+A1:2012
Total length (mm)	98.75-101.25			EN 14592:2008+A1:2012
Yield moment (Nmm)	7490			EN 14592:2008+A1:2012
Tensile capacity (kN)	8.56			EN 14592:2008+A1:2012
Head pull-through parameter (N/mm ²)	19.56		450	EN 14592:2008+A1:2012
Withdrawal parameter (N/mm ²)	Loading across fibre	3.95	450	EN 14592:2008+A1:2012
	Loading along fibre	2.51	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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