



Declaration of Performance



10.1.2021

Document No.: 23869-07489-001
Item No.: 502223869
Description: Grooved nail
Diameter: 5,1 mm
Length: 150 mm
Head: Round/Flat
Shank: Grooved
Intended use: Load bearing timber constructions
Material: Carbon steel Q235
Assessment system: System 3+
Report No.: 30-10350/3
Certificate No.: E-30-20803-14
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)	11.0-11.58			EN 14592:2008+A1:2012
Head cross-sectional area(mm ²)	94.99-105.27			EN 14592:2008+A1:2012
Shank diameter (mm)	5.0-5.2			EN 14592:2008+A1:2012
Total length (mm)	148.75-151.25			EN 14592:2008+A1:2012
Yield moment (Nmm)	21707			EN 14592:2008+A1:2012
Tensile capacity (kN)	14.44			EN 14592:2008+A1:2012
Head pull-through parameter (N/mm ²)	20.77		420	EN 14592:2008+A1:2012
Withdrawal parameter (N/mm ²)	Loading across fibre	4.75	390	EN 14592:2008+A1:2012
	Loading along fibre	2.45	390	EN 14592:2008+A1:2012
Durability	Non Coating/Bright, Service Class 1			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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