



Declaration of Performance



10.1.2021

Document No.: 23907-08233-001
Item No.: 502223907
Description: Grooved nail
Diameter: 4,0 mm
Length: 125 mm
Head: Round/Flat
Shank: Grooved
Intended use: Load bearing timber constructions
Material: Carbon steel Q235
Assessment system: System 3+
Report No.: 30-9978/7
Certificate No.: E-30-20897-13
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)	8.6-9.18			EN 14592:2008+A1:2012
Head cross-sectional area (mm ²)	58.06-66.15			EN 14592:2008+A1:2012
Shank diameter (mm)	3.90-4.1			EN 14592:2008+A1:2012
Total length (mm)	123.75-126.25			EN 14592:2008+A1:2012
Yield moment (Nmm)	14379			EN 14592:2008+A1:2012
Tensile capacity (kN)	7.96			EN 14592:2008+A1:2012
Head pull-through parameter (N/mm ²)	20.13		450	EN 14592:2008+A1:2012
Withdrawal parameter (N/mm ²)	Loading across fibre	3.42	450	EN 14592:2008+A1:2012
	Loading along fibre	2.58	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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