



## Declaration of Performance



10.1.2021

**Document No.:** 23884-07632-001  
**Item No.:** 502223884  
**Description:** Grooved nail  
**Diameter:** 5,5 mm  
**Length:** 200 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 <sup>3</sup> ) | 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)                                | 198.75-201.25                       |      |                                      | 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 <sup>2</sup> ) | 24.75                               |      | 350                                  | EN 14592:2008+A1:2012              |
| Withdrawal parameter (N/mm <sup>2</sup> )        | 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                                       | No 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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