



**EN 14592/A1**



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## Certificate

### **Circular ring shank Coil nails for structural timber products**

Diameter = 2,3 mm    Length = 45 - 55 mm

#### **Properties of the material used:**

- non alloy wire rod in accordance with EN 10016-1 to 4
- tensile strength in accordance with EN 10218-1, min. 700 N/mm<sup>2</sup>

#### **Characteristic mechanical properties:**

- |   |   |
|---|---|
| - Yield moment:   | <b><math>M_{y,k} = 2613 \text{ Nmm}</math></b>        |
| - Withdrawal parameter parallel to grain:<br>Timber: minimum characteristic density of 310 kg/m <sup>3</sup>      | <b><math>f_{ax,0,k} = 3,28 \text{ N/mm}^2</math></b>  |
| - Withdrawal parameter perpendicular to grain:<br>Timber: minimum characteristic density of 310 kg/m <sup>3</sup> | <b><math>f_{ax,90,k} = 9,00 \text{ N/mm}^2</math></b> |
| - Head pull-through parameter:<br>in OSB/3 with thickness $\geq 9 \text{ mm}$                                     | <b><math>f_{head,k} = 17,33 \text{ N/mm}^2</math></b> |
| - Tensile capacity:   | <b><math>f_{tens,k} = 1,49 \text{ kN}</math></b>      |

#### **Durability (Corrosion Protection):**

Bright - Service Class 1 or  
Galv < 12  $\mu\text{m}$  Service Class 1 or  
Galv 12  $\mu\text{m}$  Service Class 2 acc. to EN1995-1-1