



**EN 14592/A1**



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## Certificate

**Circular screw shank Coil nails for structural timber products**

Diameter = 2,1 mm    Length = 22 - 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} = 1850 \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} = 1,48 \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} = 3,43 \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} = 19,83 \text{ N/mm}^2</math></b> |
| - Tensile capacity:   | <b><math>f_{tens,k} = 1,07 \text{ kN}</math></b>      |

### Durability (Corrosion Protection):

HDG (Hot Dipped Galv.) min 50 $\mu\text{m}$  - Service Class 3 acc. to EN1995-1-1