



EN 14592/A1



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## Certificate

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

Diameter = 3.1 mm    Length = 50mm - 90mm

### 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, minimum 700 N/mm<sup>2</sup>

### Characteristic mechanical properties:

- |  |                                     |
|--|-------------------------------------|
| - Yield moment:  | $M_{y,k} = 5998 \text{ Nmm}$        |
| - Withdrawal strength parallel to grain:<br>Timber: minimum characteristic density of 310 kg/m <sup>3</sup>      | $f_{ax,0,k} = 2.99 \text{ N/mm}^2$  |
| - Withdrawal strength perpendicular to grain:<br>Timber: minimum characteristic density of 310 kg/m <sup>3</sup> | $f_{ax,90,k} = 8.53 \text{ N/mm}^2$ |
| - Head pull-through parameter:<br>in OSB/3 with thickness $\geq 9 \text{ mm}$                                    | $f_{head,k} = 12.94 \text{ N/mm}^2$ |
| - Tensile capacity:  | $f_{tens,k} = 5.88 \text{ kN}$      |

### Durability (Corrosion Protection):

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

