



**EN 14592:2018+A1:2012**



**L. Künzel Nagelfabrik GmbH**



## Certificate

### **Circular steel Coil nails for structural timber products**

Diameter = 3,1mm Length = 65 - 98 mm

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

- non alloy low carbon steel, galvanized
- tensile strength in accordance with EN 10218-1, min. 850 N/mm<sup>2</sup>

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

- Characteristic yield moment:  **$M_{y,k} = 4234 \text{ Nmm}$**
- Characteristic withdrawal parameter:  
referred to wood with a characteristic density not less than 422 kg/m<sup>3</sup>  **$f_{ax,k} = 1,4 \text{ N/mm}^2$**
- Characteristic Head pull-through parameter:  
referred to wood with a characteristic density not less than 422 kg/m<sup>3</sup>  **$f_{head,k} = 25,3 \text{ N/mm}^2$**
- Characteristic tensile capacity:  **$f_{tens,k} = 3,3 \text{ kN}$**

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

Bright - Service Class 1 or  
Galv < 12 ym Service Class 1 or  
Galv 12 ym Service Class 2 acc. to EN1995-1-1

On the basis of the obtained test results presented in this Report, in the agreed scope, in accordance with the requirements of the standard **EN 14592:2018 +A1:2012** Table 2, an ASSESSMENT OF PERFORMANCE was prepared for the tested product.