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EN 14592:2008+A1:2012

Circular screw shank nails for timber

Diameter = 3,4 mm Length = 90 - 110 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. 600 N/mm²

Mechanical strength and stiffness:

- Yield moment: $M_{y,k} = 5.960 \text{ Nmm}$
- Withdrawl parameter: $f_{ax,k} = 2,87 \text{ N/mm}^2$
in timber of characteristic density 520 kg/m³
- Head pull-through parameter: $f_{head,k} = 28,63 \text{ N/mm}^2$
in timber of characteristic density 427 kg/m³
- Tensile capacity: $f_{tens,k} = 4,73 \text{ kN}$

Durability (corrosion-resistance):

Non-alloy steel (Service Class 1 according to EN 1995-1-1)