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EN 14592/A1

Circular smooth shank nails for timber

Diameter = 4,6 mm Length = 145 - 220 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: $M_{y,k} = 10,488 \text{ Nmm}$
- Withdrawl parameter: $f_{ax,k} = 3,64 \text{ N/mm}^2$
in timber of characteristic density 520 kg/m³
- Head pull-through parameter: $f_{head,k} = 25,33 \text{ N/mm}^2$
in timber of characteristic density 427 kg/m³
- Tensile capacity: $f_{tens,k} = 8,31 \text{ kN}$

Durability (corrosion-resistance):

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