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2013

EN 14592:2008+A1:2012

Circular smooth shank nails for timber

Diameter = 2,8 mm Length = 34 - 90 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: $M_{y,k} = 3.522 \text{ Nmm}$
- Withdrawl parameter: $f_{ax,k} = 3,52 \text{ N/mm}^2$
in timber of characteristic density 520 kg/m³
- Head pull-through parameter: $f_{head,k} = 38,36 \text{ N/mm}^2$
in timber of characteristic density 427 kg/m³
- Tensile capacity: $f_{tens,k} = 4,45 \text{ kN}$

Durability (corrosion-resistance):

Hot-dipped galvanized (Service Class 3 according to EN 1995-1-1)