



EN 14592/A1



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Certificate

Circular ring shank D-head 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/mm²

Characteristic mechanical properties:

- | | |
|--|---|
| - Yield moment: | $M_{y,k} = 5397 \text{ Nmm}$ |
| - Withdrawal strength parallel to grain:
Timber: minimum characteristic density of 310 kg/m ³ | $f_{ax,0,k} = 3.24 \text{ N/mm}^2$ |
| - Withdrawal strength perpendicular to grain:
Timber: minimum characteristic density of 310 kg/m ³ | $f_{ax,90,k} = 9.68 \text{ N/mm}^2$ |
| - Head pull-through parameter:
in OSB/3 with thickness $\geq 9 \text{ mm}$ | $f_{head,k} = 16.13 \text{ N/mm}^2$ |
| - Tensile capacity: | $f_{tens,k} = 4.76 \text{ kN}$ |

Durability (Corrosion Protection):

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

Evaluation of Conformity
Initial Type Testing at

BMTRADA

Notified Test Laboratory 2389
for EN 14592 Timber Structures -
Dowel Type Fasteners - Requirements