



TOOL FEATURES

- High-load magazine for JUMBO LIGNOLOC® coils
- Equipped with sensors to avoid misfires
- Customizable couplings to mount on automation bridges & robots
- Cutter device for plastic sheet
- Electric actuation valve
- Firing speed of up to 5 nails per second

LIGNOLOC® WOODEN NAILS

- No wood glue necessary
- Much faster than wood plugs
- Made of German beech wood
- Resistant to decay due to resin infusion
- No corrosion and streaking on wood
- Ecologically sustainable
- EPD available

EUROPEAN TECHNICAL ASSESSMENT (ETA) FOR LIGNOLOC®

The European Technical Assessment (ETA) was granted to the LIGNOLOC® wooden nail without head for structural timber construction. The collated nail made of wood can now be used in load bearing timber constructions throughout the EU.

DESCRIPTION

LIGNOLOC® is the first ever pneumatically driven wooden nail for future-oriented use in industrial production and ecological timber construction (among many other applications).

The revolutionary LIGNOLOC® wooden nails are made from indigenous beech wood and boast a maximum tensile strength similar to that of aluminium nails. Their mechanical properties allow the nails to be driven into solid structural timber* and wooden materials with the FASCO® LIGNOLOC® pneumatic nailing head, without predrilling, to form an inseparable bond with the timber.

* for wood weighing 350 to 500 kg/m³ and in compliance with edge distances specified in Eurocode 5

HEAD CN15W-PS90 LIGNOLOC®

APPLICATIONS

- Laminated wood construction & solid wood wall systems
- Solid wood applications
- Decorative interior timber cladding
- Wooden furniture, sauna construction, reclaimed wood processing
- Floors: OSB & real wood floorboards
- Boat building, wooden coffins, fixing boards

HANDLING

1. Adjust magazine to nail length using the two handles on the tool
2. Position the first nail in the nose channel & align the top of the nails with the upper edge of the channel
3. Plug in the electrical cable
4. Connect air supply
5. Make sure the air line is equipped with a pneumatic lubricator

TOOL CHARACTERISTICS

Height	Width
420 mm	362 mm
16.54 inch	14.25 inch
Length	Weight
513 mm	15 kg
20.20 inch	33.06 lbs

Pressure

7 - 8 bar | 100 - 120 psi

Air consumption per shot

4.10 L. | 0.145 SCF

Performance at 90 psi | 6.2 bar
(0.62 MPa)

FASTENER DATA

	LIGNOLOC® wooden nails
Diameter	4,7 5,3 mm 0.185 0.209"
Length	45 50 65 75 90 mm 1 ¼ 2 2 ½ 3 3 ½"
Material	compressed beech wood
Color	natural
Capacity ¹	400
Collation Type	15° Plastic Sheet LIGNOLOC® Coil nails

¹ Upon request more nails per coil available.

NOISE VALUE

(EN 12549+A1 : 2008, EN ISO 4871 : 2009)

$L_{WA,1s}$: 98.38 dB (A) - $K_{WA,1s}$, 2.5

$L_{pA,1s}$: 93.00 dB (A) - $K_{pA,1s}$, 2.5

ACTUATION & LOADING

Actuation System:*

Remote Control

*see instruction manual

Loading: Coil

VARIATIONS

HEAD CN15W-PS60 LIGNOLOC®

FURTHER INFORMATION

Tensile strength:

~ 250 N / mm² absolute

Withdrawal values:

~ 7 N / mm² characteristic²

Shear values:

~ 527 - 663 N characteristic²

² acc. to VHT test report

Firing speed:³

Max. 5 shots per second
at max. 14 m/min feed rate

³ Using a 50mm LIGNOLOC® coil.

