

NOW
with ETA

ETA-23/0041

PATENTED

F44AC CN15-PS60A
LIGNOLOC®



TOOL- FEATURES

- Specially designed for LIGNOLOC® wooden nails
- Lignin adhesion due to high driving speed
- Depth adjustment wheel for setting the driving depth

LIGNOLOC® WOODEN NAILS

- Wood-to-wood connections using only wood
- No point thermal bridges in the wood
- Gentle on tools during post-processing
- LIGNOLOC® wooden nails cannot rust
- No discoloration from metal leaching in the wood



CONTACT & SERVICE

**Our sales team
is available at:**

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DESCRIPTION

LIGNOLOC® stands for a new generation of fastening technology: collated wooden nails for metal-free wood-to-wood connections in timber construction and craftsmanship. They create no point thermal bridges, protect tools during post-processing and – unlike steel nails – leave no rust stains in the wood. As no metallic foreign matter remains in the component, the timber components can be separated by material type during deconstruction. Regulated by ETA-23/0041; the environmental impact is documented in EPD-RAI-20240485-IBA1-DE. Their production causes up to 66 % less CO₂ than that of a comparable steel nail*

*vom Berg, C. and Carus, M. (2019): Life Cycle Assessment (LCA) of the LignoLoc® wooden nail: Summary of the full LCA report. Hürth: nova-Institut GmbH.

BECK AMERICA

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APPLICATIONS

- CLT and NLT elements, log wall construction
- Decorative interior timber cladding
- Natural wood furniture, sauna construction, reclaimed wood processing
- Floors: OSB and solid wood floorboards
- Boat building, wooden coffins
- Pre-fixing of glued timber components

HANDLING

1. Adjust magazine plate to nail length
2. Place the first nail in the nose channel.
LIGNOLOC® wooden nails must be flush with the top of the magazine
3. Connect air hose
4. Avoid a dry or dirty tool by regular lubrication or cleaning

TOOL CHARACTERISTICS

Height	Width
322 mm	130 mm
12.67 inch	5.12 inch
Length	Weight
275 mm	2,40 kg
10.82 inch	5.29 lbs

Pressure

7 - 8 bar | 100 - 120 psi

Air consumption per shot

1.20 L. | 0.042 SCF

Performance at 90 psi | 6.2 bar
(0.62 MPa)

FASTENER DATA

	LIGNOLOC® wooden nails
Diameter	3.7 mm 0.146"
Length	38 50 55 60 mm 1 ½ 2 2 ¼ 2 ¾"
Material	Densified laminated beech wood*
Color	natural
Capacity	170
Collation Type	15° LIGNOLOC® Coil

*according to EN 61061-3-1, minimum
density 1,100 kg/m³

NOISE EMISSION

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

$L_{WA,1s}$: 95.30 dB (A) - $K_{WA,1s}$, 2.5

$L_{pA,1s}$: 91.10 dB (A) - $K_{pA,1s}$, 2.5

VIBRATION VALUE

(UNI ISO/TS 8662-11)

2.7 m/s²

ACTUATION & LOADING

Actuation system:

Full sequential actuation

Magazine type: Coil

EUROPEAN TECHNICAL ASSESSMENT (ETA) FOR LIGNOLOC®

The LIGNOLOC® wooden nail without head has been granted the European Technical Assessment (ETA) for structural timber construction and can now be used in load-bearing timber structures throughout the EU. The collated wooden nail is used for both wood-to-wood and wood-based material-to-wood connections.

VARIATIONS

F60 CN15-PS90-H LIGNOLOC®

FURTHER INFORMATION

Withdrawal values:

~ 8,5 N / mm² characteristic**

Shear values:

~ 362 N characteristic**

** acc. to VHT test report