



TOOL- FEATURES

- Specially designed for LIGNOLOC® wooden nails
- Lignin welding process due to high nailing speed
- Tool-free depth of drive adjustment

LIGNOLOC® WOODEN NAILS

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



CONTACT & SERVICE

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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 provide 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 nailer, without predrilling, to form an inseparable bond with the timber.

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

F44AC CN15-PS60A 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 & solid wood floorboards
- Boat building, wooden coffins, fixing boards

HANDLING

1. Adjust magazine plate to nail length
2. Position first nail in nose channel and align top wooden nails with upper edge loading channel
3. Connect air supply
4. Avoid a dry or dirty tool by lubricating respectively cleaning regularly

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	compressed beech wood
Color	natural
Capacity	170
Collation Type	15° Plastic Sheet recyclable

NOISE VALUE

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

$L_{WA,1s}$: 92.02 dB (A) - $K_{WA,1s}$, 2.5

$L_{pA,1s}$: 81.50 dB (A) - $K_{pA,1s}$, 2.5

VIBRATION VALUE

(UNI ISO/TS 8662-11)

3.47 m/s²

ACTUATION & LOADING

Actuation System:

Single shot & contact actuation

Loading: Coil

TECHNICAL APPROVAL FOR LIGNOLOC® WOODEN NAILS

On August 28, 2020, the German Institute for Construction Engineering (Deutsches Institut für Bautechnik – DIBt) issued the “National technical approval / general construction technique permit” for “Load-bearing timber connections using LIGNOLOC® wooden nails”. After extensive tests and complex calculation models, all expectations of the expert committee were met. With the general construction technique permit for the LIGNOLOC® wooden nails, the application possibilities in timber construction will expand even more in the future. The approval enables the planning, design and execution of load-bearing connections in timber frame construction. Planks and panels made of solid timber, wood-based materials or gypsum fiber can be attached to wood building materials using LIGNOLOC® wooden nails. In addition, connections can be made with LIGNOLOC® to produce bracing and load-bearing wall diaphragms.

VARIATIONS

F60 CN15-PS90 LIGNOLOC®

FURTHER INFORMATION

Withdrawal values:

~ 8,5 N / mm² characteristic**

Shear values:

~ 362 N characteristic**

** acc. to VHT test report