



PATENTED

F60 CN15-PS90  
LIGNOLOC®



## TOOL- FEATURES

- Specially designed for LIGNOLOC® wooden nails
- High power, no predrilling necessary
- Lignin welding process due to high nailing speed

## 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

Our sales team  
is available at:

P +43 7724 2111-671  
sales@beck-fastening.com  
www.beck-fastening.com

## 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/m<sup>3</sup> and in compliance with edge distances specified in Eurocode 5

# F60 CN15-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 & 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
387 mm	142 mm
15.24 inch	5.60 inch
Length	Weight
369 mm	3,95 kg
14.53 inch	8.70 lbs

### Pressure

7 - 8 bar | 100 - 120 psi

### Air consumption per shot

2.63 L. | 0.093 SCF

Performance at 90 psi | 6.2 bar  
(0.62 MPa)

## FASTENER DATA

	LIGNOLOC® wooden nails
<b>Diameter</b>	4,7 - 5,3 mm 0.185 - 0.209"
<b>Length</b>	65   75   90 mm 2 ½   3   3 ½"
<b>Material</b>	compressed beech wood
<b>Color</b>	natural
<b>Capacity</b>	100
<b>Collation Type</b>	15° Plastic Sheet recyclable

## NOISE VALUE

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

$L_{WA,1s}$  : 101.30 dB (A) -  $K_{WA,1s}$  , 2.5

$L_{pA,1s}$  : 91.20 dB (A) -  $K_{pA,1s}$  , 2.5

## VIBRATION VALUE

(UNI ISO/TS 8662-11)

4.50 m/s<sup>2</sup>

## 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

F44AC CN15-PS60A

LIGNOLOC®

## FURTHER INFORMATION

Withdrawal values:

~ 7 N / mm<sup>2</sup> characteristic\*\*

Shear values:

~ 527 - 663 N characteristic\*\*

\*\* acc. to VHT test report