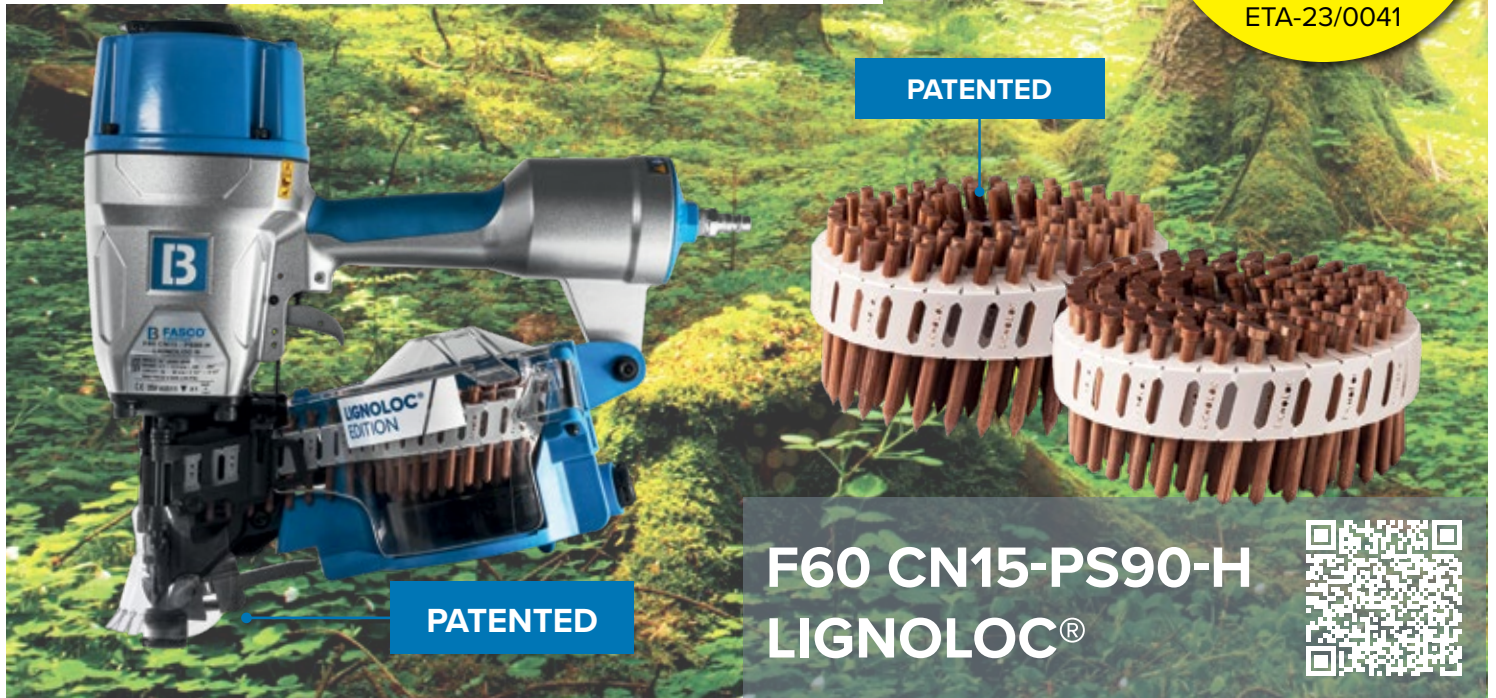


NOW
with ETA

ETA-23/0330
ETA-23/0041



F60 CN15-PS90-H
LIGNOLOC®



TOOL- FEATURES

- Specially designed for LIGNOLOC® wooden nails
- High power, no predrilling necessary
- Lignin adhesion process due to high driving speed
- Patented driving technology

LIGNOLOC® WOODEN NAILS

- Enables fastening according to circular construction principles- No wood glue necessary
- Much faster than wood dowels
- No corrosion and streaking on wood
- EPD available

EUROPEAN TECHNICAL ASSESSMENT (ETA) FOR LIGNOLOC®

The European Technical Assessment (ETA) was granted to the LIGNOLOC® wooden nail with and 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® stands for a new generation of fastening technology: collated wooden nails for metal-free wood-to-wood connections in timber construction and craftsmanship. They do not create point thermal bridges, are gentle on tools during finishing and – unlike steel nails – leave no rust discolouration in the wood. As no metallic foreign matter remains in the component, the timber components can be separated by material type during dismantling. Regulated by building authorities under ETA23/0041 and ETA23/0330; the environmental impact is documented in EPDRAI20240485IBA1DE. Manufacturing generates up to 66% less CO₂ emissions than 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: novalInstitut

F60 CN15-PS90-H LIGNOLOC®

APPLICATIONS

- CLT and NLT elements, log wall construction
- 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	LIGNOLOC® wooden nails with head
Diameter	4,7 - 5,3 mm 0.185 - 0.209"	4,7 mm 0.185"
Length	65 75 90 mm 2 ½ 3 3 ½"	58 mm 2 5/16"
Head	-	6,3 mm 0.248"
Material	Densified laminated beech wood*	
Color	natural	
Capacity	100	
Collation Type	15° Coil LIGNOLOC®	

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

NOISE VALUE

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

$L_{WA,1s}$: 103.60 dB (A) - $K_{WA,1s}$, 2.5

$L_{pA,1s}$: 98.00 dB (A) - $K_{pA,1s}$, 2.5

VIBRATION VALUE

(UNI ISO/TS 8662-11)

3.10 m/s²

ACTUATION & LOADING

Actuation System:

Single shot & contact actuation

Loading: Coil

VARIATIONS

F44AC CN15-PS60A

LIGNOLOC®

FURTHER INFORMATION

Withdrawal values:

~ 7 N / mm² characteristic**

Shear values:

~ 527 - 663 N characteristic**

** acc. to VHT test report

