

Groove cutting machine

Groove cutting machine NFU 50: Versatile, powerful, precise.

Groove cutting machine NFU 50 offers flexibility of use and is an all-rounder capable of executing an enormous range of timber construction tasks. An extensive range of accessories opens up further possibilities for day-to-day work.

CUTTING DEPTH 50 MM (1 ¹⁵/₁₆ IN.)



The NFU 50's sheer strength and outstanding motive power permits cuts 60 mm (2⁻³/₈ in.)wide and 50 mm (1⁻¹⁵/₁₆ in.) deep.

SUITABLE AS A SKEW NOTCH AND TENON CUTTER



The NFU 50 can also be used as a skew notch and tenon cutter. The online tool for calculating the setting values can be accessed using the following QR code or the link below.

GUIDE L FOR NOTCHING

Timber frame construction in particular requires a large number of grooves. The NFU 50 and guide L make the perfect team for this type of work.



LENGTHWISE GROOVES

Take grooves for service ducts, for instance, which can be machined quickly and efficiently with the expanding groove cutter available as an optionak accessory.

Groove cutting machine NFU 50 A wealth of different applications

With its exemplary material and build quality and intelligent practical features, the NFU 50 is a versatile all-purpose machine. It enables you to save time and energy, and invest your working resources instead in getting the job done well.



BIRDSMOUTH JOINTS UP TO 45°

Here's how it's done:

Work out and set the angle and cutting depth, if necessary using our online calculation tool. Place the pair of adapters on the parallel fence, align the carpentry guide rail and make the cut.



www.mafell.de/berechnungstool

TENONS

Individual tenons can be executed effortlessly with the NFU 50 and guide L.

Here's how it's done:

Set the cutting depth, adjust the angle on guide L and machine the first side of the workpiece. Then complete the second side following the same work stages.





Groove cutting machine NFU 50: Perfection in every detail.

The design of the NFU 50 is characterized by the use of extremely rugged, high-quality and precision-made parts, including the lightweight magnesium die-cast housing and impact-resistant, fiber glass-reinforced plastic components. It also features clever technical details to help you meet the rigors of the job.



SAFETY CONCEPT The hydraulic brake stops the tool within 3 seconds. The flashing LED lamp indicates to the user that the cutter is still turning.



TILTS THROUGH 45° Its layout makes the scale easier than ever to read, from 0 to 45°.



REPEAT STOP

For frequently required angles, the two repeat stops are fixed in place on the underside of guide L.



Groove cutting machine NFU 50 : Perfection in every detail.

An extensive range of accessories makes the job easier and speeds up working with the NFU 50. Teamed with the high-capacity extractor S 200, incorporating dust extraction unit S 35 M, it is the perfect partner for timber construction work.



BAYONET CATCH AND **KINK PROTECTION**

A vertical bayonet catch ensures a secure hose connection. Severe bending of the hose is prevented by the spiral guard.

HIGH-CAPACITY EXTRACTOR with a maximum capacity of 200 I. The set comprises dust

extractor S 35 M (Ref. No. 919701) and the container (Ref. No. 206869).

TUTORIALS



https://nfu50.mafell.de/e

S 200

Technical data and accessories.



Technical data NFU 50

Nominal voltage	230 V
Nominal power input	2300 W (3.1 hp)
Cutting depth at 0° with guide track	0 - 44 mm (0 in 1 ³ /4 in.)
Cutting depth at 0° without guide track	0 - 50 mm (0 in 1 ¹⁵ / ₁₆ in.)
Tilting range	0 - 45°
No-load-Spe <mark>e</mark> d	5900 rpm
Weight with guide track	9,4 kg (20.7 lbs)
Dimensions (W x L x H) with guide L _ 370 x	810 x 280 mm (14 ⁹ / ₁₆ x 31 ⁷ / ₈ x 11 in.)
Cutting length with guide L	370 mm (14 ⁹ /16 in.)

Ref. No.

918701

Delivery specification:		
1-1-51	cutter head Ø 163 x 60 mm (6 ⁷ /16 x 2 ³ /8 in.)	091901
1	position indicator NFU-PA	207467
1	parallel fence	207468
1	side fence SA 625	207183
1	guide track L	205310
2	repeat fence	206026
1	allen key SW 6	207496
1	screwdriver Torx T15	093274
	main cable 10 m (32.8 ft.)	1 = 05





In order to develop a better tool for carpenters, we at MAFELL often take a special approach: We change our point of view and completely reconceive the tool in essential parts. At the same time, we always keep in mind the future requirements of the woodworking trade.

From this way of thinking, paired with an outstanding material and processing quality, amazing solutions emerge again and again. For example, in terms of functionality and ease of use. It is our claim that you no longer have to think about your tools when doing your work. Simply because we at MAFELL have already done so extensively. After all, we have a common goal: the perfect job. Or in brief:

creating excellence

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