

No. 613

Routing stair stringers with the MFS



A

Description

Time and time again carpenters have to make individual stairs and as a result create complex routing templates.

In this application example a solution is presented which permits maximum flexibility and can be adjusted simply to the required dimensions.



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B

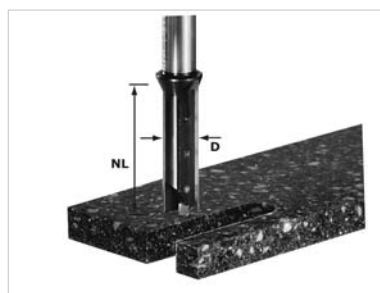
Tools/Accessories



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Designation	Order No.
OF 2200 EB Plus	574260
LA-OF 2200 D36 CT	494675
Groove cutter with diameter corresponding to the later corner radius of the steps. (A 12 mm spiral groove cutter is used in the example.)	492655
CTM series mobile dust extractor	
CT-ASA or CT-ASA/SB	492452 492767
Suction hose D 36 x 3.5 m AS (recommended)	452882
Multirouting template MFS 400 or MFS 700	492610 492611
Lever clamp EHZ 160	491594
Extension profile MFS-VP 400 or 700 for the parallel cutter of steps and stud board grooves	492723 492724
Vacuum clamping set VAC SYS SE 1 +	SE 1 712223
Vacuum clamping set VAC SYS SE 2 +	SE 2 580062



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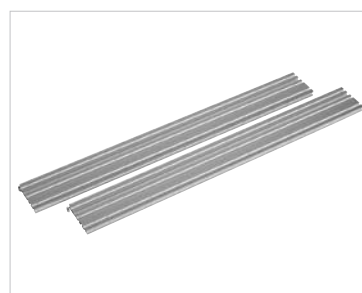
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C

Preparation/Set-up



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In the example an open work stair stringer without a stud board is routed using the multirouting template MFS.



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The stair stringer should be positioned securely and clamped - the Festool vacuum clamping system is ideal for this. This makes possible damage-free clamping and above all movement of the MFS without any annoying clamps on the stringer.

E

Procedure



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First the stair stringer is marked subject to the stair suitability and the step depth. Fig. 613/13



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Then the MFS is set. The template must be adjusted by the diameter difference of the copying ring and the length and width of the cutter used must be greater than the step cross-section used.



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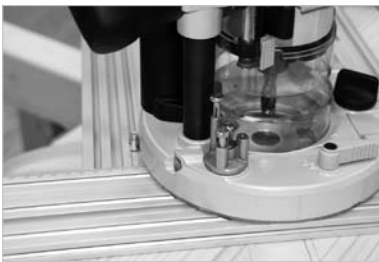
For example: Depth of step = 264 mm
 Thickness of step = 42 mm
 Copying ring diameter = 24 mm
 Cutter diameter = 12 mm

MFS_setting: 1.) $264 \text{ mm} + (24 \text{ mm} - 12 \text{ mm}) = 276 \text{ mm}$
 2.) $42 \text{ mm} + (24 \text{ mm} - 12 \text{ mm}) = 54 \text{ mm}$



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The try squares supplied can be fitted at straight stair stringers, at which the template can be moved to the next cutting position.



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After the cutter is fitted the desired routing depth is set, the copying ring inserted and the contour of the template transferred to the stair stringers. If one begins with the left stair stringer for example, the template must be positioned as a mirror image for the right stair stringer and the try square realigned.



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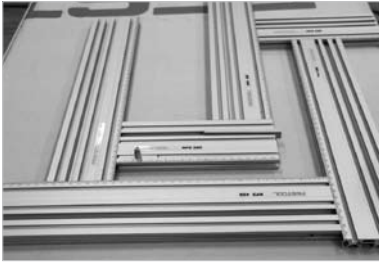
After the cutting work the steps are assembled as a test.



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Tip: The cutter diameter can be selected so that it corresponds to the later corner radius of the steps.

For example: Corner radius = R 8mm
 Groove cutter used = D 16 mm



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Tip: By the addition of a pair of extension profiles the MFS can be fitted so that the steps and stud board can be routed in one setting.



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Especially for open work stairs, which also may have a vertical stud board, the manufacture of a template is very tedious.

Using the multirouting template MFS, stair stringers can be manufactured easily using every router. The user sees the biggest benefit when the entire FESTOOL system is used.

FESTOOL

Our example for use is a recommendation tried and tested in practice. However the actual conditions pertaining in each situation are completely outside of our control. We therefore do not provide any form of guarantee. Any legal claims arising out of this are not to be made against Festool. Please observe without fail the safety and operating instructions included with the product.

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