

No. 232

Routing grooves for door seals



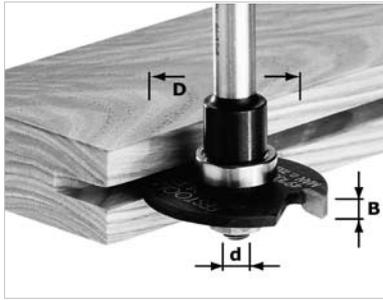
A

Description

The increased sound and thermal insulation requirements for house, apartment and room doors would be impossible to meet without sealing profiles. For this reason, a very diverse range of sealing profiles are offered in the trade. The problem for the carpenter is to install these sealing profiles in prepared blind, door or window frames. This is done by countersinking a groove in the frame parts in which the attachment point of the door seal is inserted.



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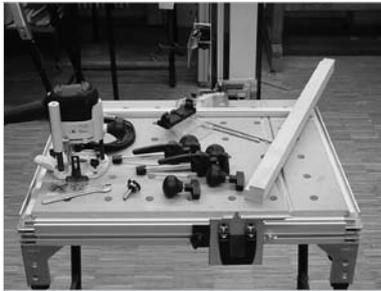


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Using the OF 1010 router and a disk groove cutter, every type of sealing profile can be countersunk without any problems.

Disk groove cutters are available in different thicknesses matching the different profile sections and also with different guide rings. The guide rings are used to define the depth of the groove and ensure simple execution of the application.

B Tools/accessories



232/03

Basic equipment:

Denomination	Order no.
Router (Festool OF 1010)	*

*Please obtain the Order No. from the Festool main catalogue or from the Festool website.

The following is required to perform this routing operation:

- Disk groove cutter with guide ring (D28x8x10)
- Extraction hood for edge routing
- Multifunction table (optional)
- Clamping elements for the multifunction table MFT (optional)

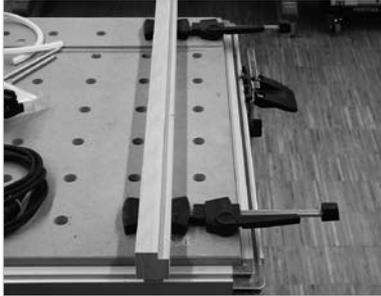


232/04

- One of the Cleantec mobile dust extractors CTL MINI/MIDI – CT 55 is required for dust extraction. This is the only way to ensure optimised dust extraction.

C

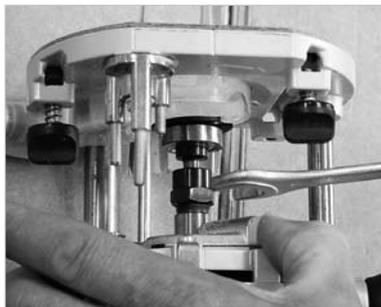
Preparation/set-up



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Please make the following preparations before notching the door seals:

- Process the wood of the blind, door or window frame before gluing.
- Secure the frame wood on the multifunction table so that the workpiece is freely accessible and can be easily worked on.



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Now align the router as follows:

- Clamp the disk groove cutter in the shank of the router; the router shank should be clamped at least 2.5 cm deep.
- Set the speed level according to the material and the cutter diameter.



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- Set the routing depth with the depth setting device by placing the blades of the disk groove cutter onto the workpiece and then selecting the routing depth corresponding to the door seal. Even when the rebate for the door is being prepared, the width of the door seal must naturally be taken into account. Our example uses a standard width of 12 mm.
- In our example, the routing depth is calculated for a 4-mm wide groove as follows:

$$\frac{\text{Cutter diameter}}{2} + \frac{\text{Disk groove cutter}}{2}$$

For our example, the 12-mm wide seal with the 4-mm disk thus results in a routing depth of 8 mm.

E

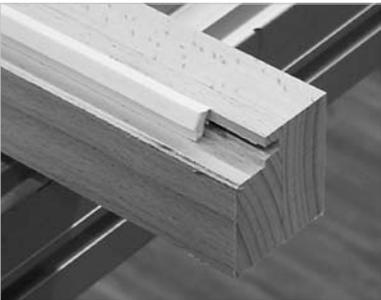
Procedure



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Proceed as follows when routing:

- Position the router at the side of the workpiece so that you can route in reverse direction. Then adjust the routing depth at the router and fix this with the help of the locking button on the front side of the router.



232/09

- You can now insert door seals without any problems in the groove that has been cut.

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