

No. 205

Milling automatic door seals

**A**

Description

With the increased requirements concerning heat and noise insulation, builders and apartment owners are increasingly demanding door seals that satisfy technical innovations, as well as make the grade in terms of adequate noise insulation.

Automatic door seals are therefore often used for entrance doors to apartments and, in particular, also for doors in administration and office buildings, as well as schools or similar. Advantage: These door seals are lowered when the door is being closed and in a closed state a rubber profile presses down on the floor. When the door is opened the rubber profile is lifted up again and thus does not drag over the floor.



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As routing a groove underneath a door without a guide is not possible, up to now a stationary router would have been required for this work.

Using the routing aid OF-FH 2200 it is now possible to route such grooves. The routing aid facilitates edge trimming, especially when milling grooves and long holes for security fittings, lever bolts, lock casings, etc.

This application example should demonstrate how easy work is using this routing aid and how quick such work, which otherwise would be very time-consuming, can be completed with its use.

B

Tools/Accessories

You need the following tools and accessories for manufacturing semi-spiral staircases:

Designation	Order No.
Router OF 2200 EB-Plus	574260
Alternative:	
Router OF 1400 EBQ-Plus	574243
Routing aid OF-FH	495246
Groove cutter for "Planet" door seals	493789
CT series mobile dust extractor	
Suction hose 36 mm	452882



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C

Preparation/Set-up



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Set up the routing aid with the selected router as follows:

- Insert the respective cutter into the router.
The groove width may vary depending on the product.

Secure the routing aid on the router. Two threaded bolts are supplied with the OF 1400 and OF 2200 for this purpose. A 30 mm copying ring can be fitted to help centre the routing aid on the router.



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Using the example in Fig. 205/08 you see the levelling of the automatic door seal.

Determine the two distances from the outer dimension of the housing and door area.

The door seal should be milled in the rebate area.



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Now transfer the distance dimensions to the scale of the routing aid.

Ensure that the total distance of the adjustment side is the exact thickness of the door so that the router can be guided with no play.

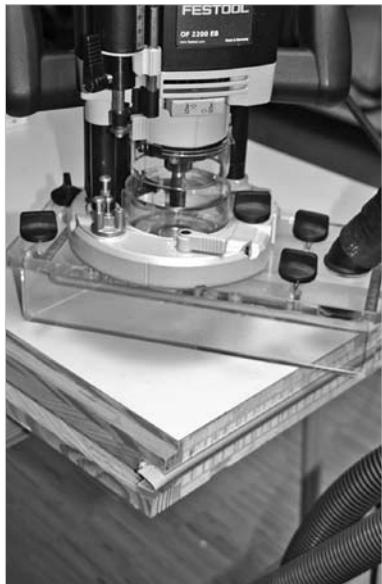


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- Position the door to be routed on a secure support and secure this if necessary using fastening clamps so that it cannot slip.
- Place the router with the routing aid on the door.
- Adjust the routing depth to the desired dimension. This may vary depending on the product.
- Connect the suction hose to the router.

D

Procedure



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Take note of the following during routing:

- In terms of routing depth, routing should under no circumstances be performed in one step. It is recommended to route in 10 mm steps if you are working with the OF 1400 for example. It is recommended to route in 15 mm steps if you are working with the OF 2200 for example. The routing depth of each routing process depends to a great extent on the material. If you are working with solid oak doors the routing depth must not be set as low as for simple room doors, whose middle layer is generally made up of soft wood. Repeat the routing process as often as required.
- When doing this, ensure that you always route in the counter direction. This means that the feed of the router must always be guided in the counter direction to the rotation of the cutter. Fig. 205/10

Ensure during routing that you have a secure grip on the router and routing aid and that you move them forward slowly and steadily.

The respective door seal (Schallex, draft excluders, Planex,...) can now be screwed into the groove.

FESTOOL

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