

No. 524

Cutting cutouts using MFS routing templates



A

Description

Holes for lights can easily be produced with the MFS 400 or MFS 700 templates. By using the continuously adjustable and expandable templates, different cutouts and circles can be produced.

In this example, the production of an air vet is described.

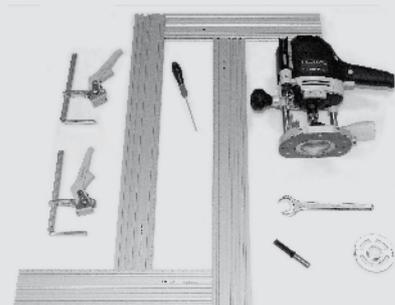


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B

Required equipment

Equipment	Order No.
Routing template MFS 400 or routing template MFS 700	492610 492611
Router OF 1400 or router OF 2200	* *
Edge trimming cutter D 14 mm	491089
Copying ring dia. 30 mm (included with the OF 1400 and the OF 2200)	
2 lever clamps FS-HZ or 2 clamps FSZ	491594 489570
CT series mobile dust extractor	*

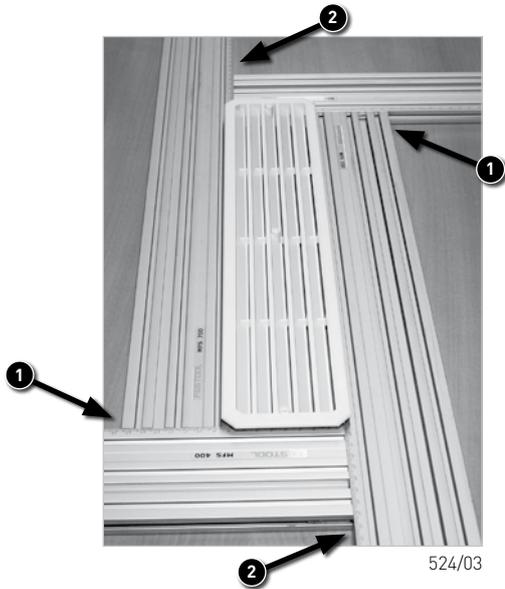


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* Please obtain the Order No. from the Festool main catalogue or from its website.

C

Preparation/Set-up



The dimensions of the air vent must firstly be determined. To do this, the following procedure is suggested:

- The template is easiest to adjust if only the screws on opposite sides (1 or 2) are always either loosened or tightened. This allows template movement in only one direction.
- Adjust the leg so that the air vent can be properly inserted into the frame.
- The corresponding length and width dimensions can then be read from the scale on the aluminium profile.

Now the position of the air vent including the allowance can be marked on the workpiece.

Calculating the carry over dimension

To obtain the carry over dimension, the size of the air vent (length and width) must be added to the copying ring dia. – router dia..

Example:

Calculation:

Air vent length 500 mm, width 60 mm

Copying ring dia. 30 mm – router bit dia. 20 mm = add-on dimension 10 mm

Setting the MFS:

Air vent

Length 500 mm + 10 mm = Setting/carry over dimension 510 mm

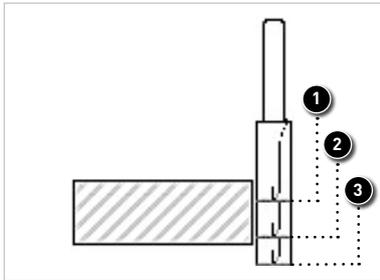
Width 60 mm + 10 mm = Setting/carry over dimension 70 mm

Setting

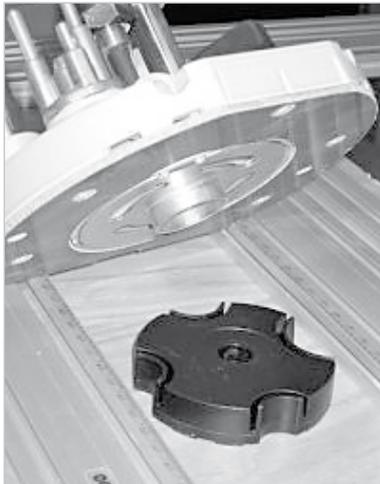
- Set the setting dimension on the MFS. Next, as already described, open the two diagonally opposite fastening screws (Fig. 524/03), set the desired width and tighten again.
- The longitudinal dimensions are set in the same way using the two other diagonally opposite fastening screws.



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D

Procedure

- Position the routing template on the workpiece and adjust to the markings.

Note:

Before routing, always fasten the routing template with clamps.

- As directed in the instructions, only the copying ring, router bit and extractor are mounted on the router.
- Set the routing depth using the turret stop.
- Set the speed to 6.
- Start cutting the workpiece with the first set routing depth on the turret stop (Fig. 524/04).
- Guide the router with the copying ring clockwise (counter direction) along the template until the starting point is reached.

Cut the opening in the workpiece in 2–3 passes (Fig. 524/05).

Tip:

The router may possibly tilt when making larger cutouts (Fig. 524/07). The tilt protector, which is one of items included with the MFS (Fig. 524/06), will prevent that from occurring. To use it, simply insert the copying ring into the corresponding segment in the tilt protector.

FESTOOL

Our example for use is a recommendation tried and tested in practice. However the different conditions 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. Make sure you follow the safety directions and product instructions provided with the product.

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