

No. 551

## Round profile joints with the handrail fence of the DOMINO jointer



A

### Description

The DOMINO wood jointing system and the handrail fence (RA-DF 500) can be used easily and quickly to create round profile joints frequently required by joiners, carpenters and staircase builders.



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Note:

The handrail fence can be used to cut round profile joints with diameter 35–60 mm.

## **B** Tools/accessories

Basic equipment:



551/02



551/03



551/04



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Denomination	Order no.
DOMINO jinter DF 500 Q -Set GB 240V	574 281
Handrail fence RA DF 500	494 847
DOMINO beech D 5x30/300 BU	494 869
DOMINO beech D 6x40/190 BU	494 870
DOMINO beech D 8x40/130 BU	494 871
DOMINO beech D 8x50/100 BU	494 872
DOMINO Sipo D 5x30/300 MAU	494 869
DOMINO Sipo D 6x40/190 MAU	494 870
DOMINO Sipo D 8x40/130 MAU	494 871
DOMINO Sipo D 10x50/85 MAU	494 873
DOMINO cutter D 5-NL 20 HW-DF 500	493 490
DOMINO cutter D 6-NL 28 HW-DF 500	493 491
DOMINO cutter D 8-NL 28 HW-DF 500	493 492
DOMINO cutter D 10-NL 28 HW-DF 500	493 493

CTM series mobile dust extractor

## C

### Preparation/set-up



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The following has to be observed before starting work:

For the DOMINO jointer DF 500 Q, Festool offers two dowel qualities:

- DOMINO made of beech for interior applications
- DOMINO made of sipo for exterior applications

This application example will describe the joining of a profile with diameter 35 mm and an angle of 45° (see Fig. 551/6). The profiles are joined with a DOMINO beech 8x40 mm.



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Before making the first profile joints, a test cut must be made to ensure subsequent accurate fitting of the joint.

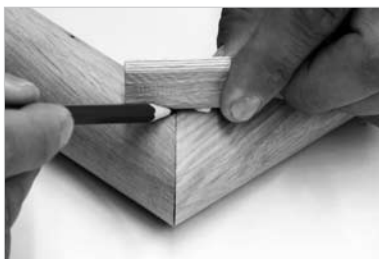
This is carried out as follows:

- Slide the handrail fence completely onto the DOMINO jointer table and secure using the rotary knobs fitted on the right and left side of the handrail fence (see Fig. 551/7).



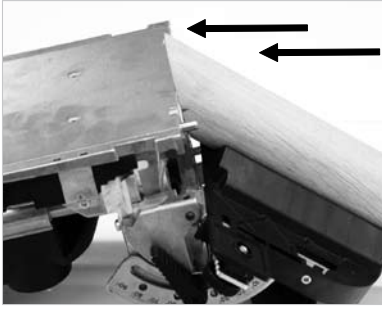
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- Set the cutting angle of the round profiles (in the example, 45°) at the table angle setting device of the DOMINO jointer (see Fig. 551/8).



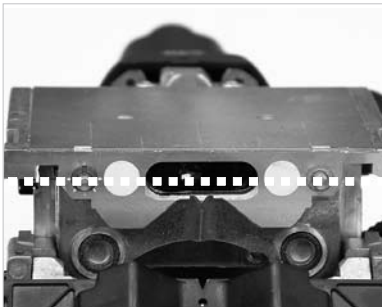
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- To position the dowel centrally, the round profiles are placed beside one in the same manner as they are subsequently joined by the DOMINO. Mark the dowel position with a line (see Fig. 551/9).



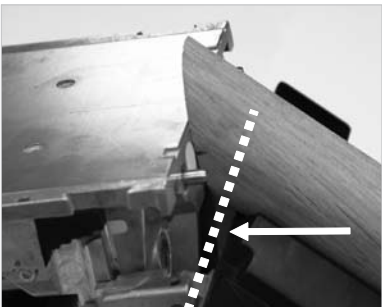
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- Place the round profile flush on the handrail fence of the DOMINO jointer (see Fig. 551/10).
- The dowel position marking is now used to set the table height of the DOMINO jointer.



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- The two centre points of the stop pegs on the router table form a straight line (see Fig. 551/11).



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- The height of the DOMINO jointer table is set such that the previously made marking of the dowel position and the straight line are at the same level (see Fig. 551/12).

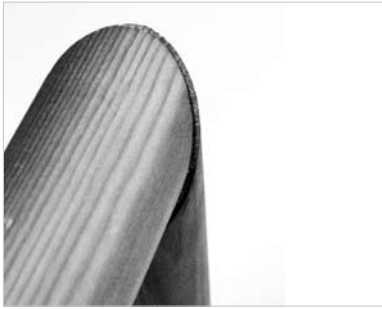
- Actuate the clamping lever (see Fig. 551/13) to set the correct table height.



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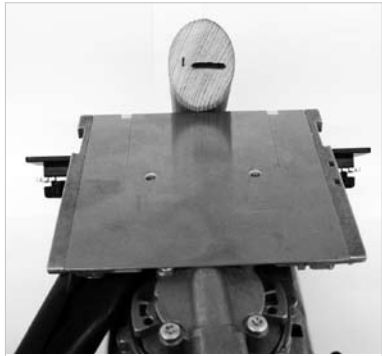
After the settings have been made, the test cut can begin.

- Connect the suction hose to the machine and extractor and execute the cut.



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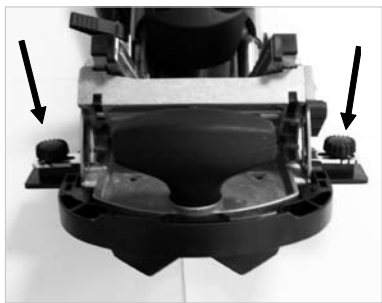
After joining the test cut, a slight deviation in fitting accuracy is possible (see Fig. 551/14).



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In Fig. 551/15, the cut hole is displaced from the centre of the round profile. The following correction steps now have to be carried out:

- Open the two clamping screws (see Fig. 551/16).
- Two adjusting screws respectively are installed on the outer sides of the handrail fence, which have to be set with a 2-mm Allen key (see Fig. 551/17).



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To align the cutter and thus the cut hole exactly and centrally on the handrail fence, depending on the direction of displacement the Allen keys are screwed in either to the right or left, or screwed out on the opposite side.

Tip:

The screws have an M5 thread and a pitch of 0.8 mm. This means that each full rotation of the screw effects a displacement of the handrail fence on the DOMINO router table of 0.8 mm.

This means:

- With an adjustment of 1.6 mm (corresponds to 2 revolutions) on the left side, an adjustment in the opposite direction of 1.6 mm (corresponds to 2 revolutions) must also be made on the right-hand side.
- After completion of the settings, tighten the clamping screws (see Fig. 551/16) and continue the routing procedure.



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After this readjustment, the round profile joints can now be cut quickly and accurately.

Note:

This setting is only made once! After removal of the device from the machine and subsequent installation, this adjustment is no longer necessary.

**FESTOOL**

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