

No. 213

## Mitre cutting of profile rods with the portable circular saw

A

### Description

Many assembly and fitting tasks require the cutting of profile strips, glass edges, picture frames or similar strips. Profile rods are often fitted on ceiling wainscoting to replace a false joint. With picture frames, exact cutting to size at specific angles is necessary as with the profile rods, which are fitted in other areas as cornices.

In the case of right-angled joints, e.g. picture frames, a faultless and precise 45° cut is a prerequisite for an exact fit.

In conjunction with the multifunction table MFT/3 and the plunge-cut saw TS 55 EBQ, cutting strips is possible at any angle.



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## Tools/accessories

For a cable duct cut, you will require the following machines and auxiliary equipment:



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Denomination	Order no.
Multifunction table MFT/3 (Fig. 213/02) (guide rail FS 1080/2 and angle stop in scope of delivery)	495315
Optional:	
Clamping elements MFT-SP (Fig. 213/03) or Lever clamp FS-HZ 160	488030 491594
Portable circular saw TS 55 EBQ-Plus GB 240V (Fig. 213/05)	561171
Fine tooth saw blade W48 (in the scope of delivery TS 55)	491952
Splinterguard FS-SP 1400/T	495207
Mobile dust extractor from the CTM series (Fig. 211/06)	

## C

### Preparation/set-up

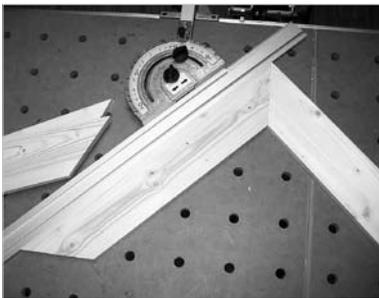
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#### 1. Preparation of the portable circular saw

- Fit saw blade W48 on the TS 55 EBQ.
- Place the portable circular saw on the folded-down guide rail.
- Set the guide play of the saw on the guide rail at the tabletop (see Fig. 213/07).
- Set the cutting depth on the TS 55 EBQ. The saw blade should cut to a depth of 5 mm (and no more) into the plate of the MFT.
- Set speed level 6 and connect extraction hose.
- Tip: It may be necessary to replace the splinterguard at the FS. This is advisable if other saw blades or machines have previously been used on the guide rail. The new splinterguard fitted on the FS is then cut with the TS 55 (see Fig. 213/8). This ensures that the scribe mark can be aligned exactly to the edge of the splinterguard.

#### 2. Preparation of the multifunction table (MFT)

- Set the required angle via the angle stop at the MFT. Ensure that the locking screw is tightened to prevent the stop from slipping.
- Check the angle setting with a protractor.
- Set the guide rail to the required height. This should correspond to the height of the strip to be cut.

Tip: To prevent the guide rail from sagging, a piece of waste wood should be placed under the guide rail for support, which has the same height as the profile rail.

- If the profile rail is higher than the ruler of the MFT, a rail with the same profile height should be placed in front of the ruler.

**E**

## Procedure

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1. Make a mitre cut on the first side:

- Mark the frame strips at the top at the point to be cut with a protractor or set square.
- Align the scribe mark to the edge of the splinterguard and secure with the clamping elements or the lever clamp.
- Switch on the portable circular saw and press to activated cutting depth.
- Make mitre cuts on all four strips.

2. Make a mitre cut on the second side:

- Set the frame strip length with a measuring tape at the adjustable stop for the splinterguard edge (see Fig. 213/11).
- Guide the frame strip against the adjustable stop and fasten with the lever clamp or clamping elements (see Fig. 213/12).
- Make the second mitre cut on all four strips.

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