

No. 307

## Sanding edges and curves on the CMS BS 120

**A**

### Description

Sanding edges and curves is one of the key work steps after the cut. Above all else it depends on edges sanded at an absolute right angle, which is as good as impossible using a hand-guided tool. The stationary belt sander BS 120, which is also transportable, is a solution to this work. With this tool infill panels, panels, curved shapes, angles and mitres of any type can be sanded with extreme precision.



307/01

**B**

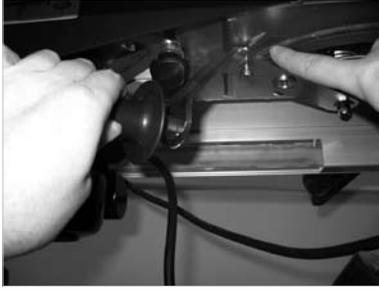
## Tools/Accessories



You need the following tools and accessories for sanding edges and curves:

Designation	Order No.
Basic unit CMS-GE	561228
Or: Guide extension on MFT	
Guide extension MFT 3 VL	495510
Belt sander module CMS-MOD-BS 120	570244
Dust extraction set	488292
If necessary any of the following guide extensions:	
Extension table VB-CMS	493822
Extension table VB-CMS/CS 50	495531
Bench extension VL	492092
Sanding belt CMS-BS 120 depending on application	
820x120-P80-SA/10, grit 50	488081
820x120-P80-SA/10, grit 80	488082
820x120-P100-SA/10, grit 100	488083
820x120-P120-SA/10, grit 120	488084
820x120-P150-SA/10, grit 150	488085
820x120-P180-SA/10, grit 18	488086





307/02



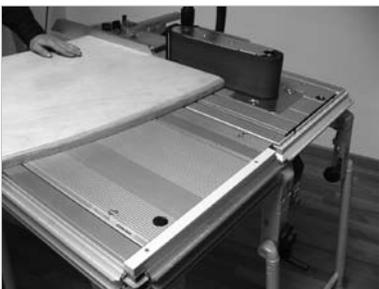
307/03



307/04



307/05



307/06

C

## Preparation/Set-up

Carry out the following preparation work on the CMS-MOD-BS 120:

- Push the clamping lever back until it locks into place.
- Position the relevant sanding belt with the desired grit and ensure the correct running direction of the sanding belt. For this the arrow on the metal cover must point in the same direction as the arrow on the inner side of the sanding belt.
- Then unlock or remove the clamping lever again in order to clamp the sanding belt.
- Switch the tool on and if necessary correct the belt run by adjusting the rotary knob between the motor and the clamping lever.
- Depending on the size of the workpieces the extension table can be mounted.

Before switching on the sanding machine each time connect the extractor hose to a mobile dust extractor.

### Sanding infill panels and panels

If you want to sand right-angle and straight edges of infill panels or panels, use the long straight sanding area of the CMS-BS 120. When sanding always apply gentle and consistent pressure and sand against the running direction of the running belt in order to avoid dents.

TIP:

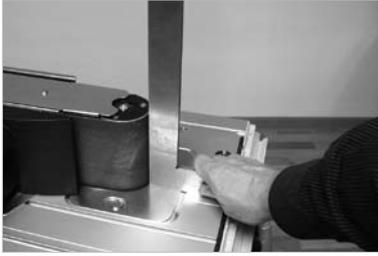
Infill panels can be secured and fitted considerably easier if the edge is slightly slanted at the rear. For this the sanding unit must only be lowered approx. 3-5° and the infill panel guided along the abrasive roll.

The extension table of the basic unit should be fitted for particularly long rails. So that the sanding belt wears down evenly the sanding unit can be positioned at an angle if necessary. Slight cross-cuts or lateral grooves may arise as a result however, which become visible later especially in the case of etched or stained edges. If the workpiece is to be etched or stained, it is therefore recommended to align the abrasive roll horizontally.

### Sanding large workpieces

Large and heavy workpieces or panels are best sanded using the extension table VB-CMS

495531 with inserted cover plate. This extension table is mounted to the existing basic unit and has two supports for particularly high stability during sanding. Table edges can thus be sanded and "sharp" table corners rounded effortlessly and at an absolute right angle, also for large workpieces.



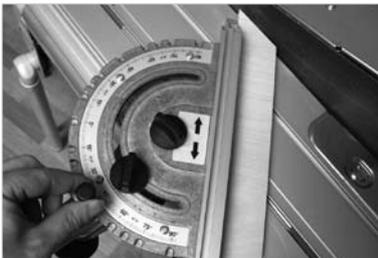
307/07



307/08



307/09



307/10



307/11

### Sanding curves and radii

Curved edges and curves which have been cut out using the jigsaw frequently have to be resanded before they can be processed using the router and a false raised panel cutter with a ball bearing for example. First check the rectangularity of the sanding roll with an angle.

Then secure the additional dust extraction on the sanding table and connect it to the mobile dust extractor. An additional shorter hose provides the connection to the regular extractor connector. Applying consistent and gentle pressure the workpiece is then moved against the running direction of the sanding roll.

To be able to sand smaller or larger radii cleanly, a sanding roll with a smaller diameter of 55 mm and a sanding roll with a larger diameter of 105 mm are available in addition to the 75 mm standard sanding roll. **ATTENTION:** For safety reasons the covers and table top inserts found in the scope of delivery of the sanding rolls must be used or replaced.

### Sanding mitre angles

All types of angles can be resanded or adjusted without great difficulty using the CMS-BS 120. If profiled strips for picture frames, skirting boards and cornices or glazing beads need to be sanded quickly and with extreme precision, the angle stop is secured at the front table profile of the basic unit and adjusted to the respective angle.

Then switch the machine on and guide the workpiece slowly along the stop ruler applying gentle pressure against the sanding belt.

The stop can be adjusted to the desired angle by pulling the latch pin up (to the left) and removing the locking screw (centre). In addition to the key fixed angular degrees, the stop can also be set to any other angle. If the angle is set the locking screw (centre) is retightened and the stop ruler moved just in front of the sanding belt. For this the right screw must be removed and retightened again.

For angles more acute than 45° there is the risk that the tip of the board will hook into the sanding belt. Therefore when sanding acute angles the angle stop should be turned and moved into the side table profile. As the sanding belt pulls the workpiece away from the stop during this process, it must be pressed firmly against the stop using two hands and is guided against the sanding belt only with slight pressure.

**FESTOOL**

Our example for use is a recommendation tried and tested in practice. However the actual conditions pertaining in each situation 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. Please observe without fail the safety and operating instructions included with the product.

[www.festool.com](http://www.festool.com)