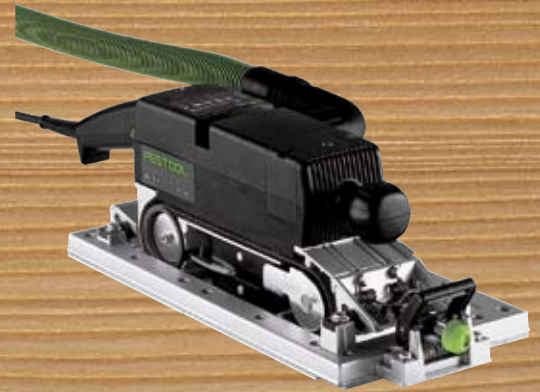


No. 219

Surface sanding with the belt sander



A

Description

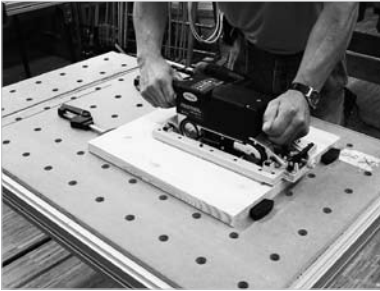
For sanding large surfaces, today's workshops often have a large belt grinder. If this is not the case because the acquisition of such large machines is not cost-effective, little can be achieved with a conventional orbital sander or eccentric sander. The sanding result is very unsatisfactory because both orbital sanders as well as eccentric sanders work very imprecisely on the surface and leave sanding rings. This is not the case with the belt sander because its endless belt moves in one direction only - in the direction of the grain. In combination with the sanding frame, surfaces such as worktops, tabletops, doors, etc. can be worked on easily. Without the sanding frame the belt sander jams very quickly resulting in scores on the sanded surface.



219/01

B

Tools/accessories



219/02

Basic equipment:

Denomination	Order no.
Belt sander (BS 75 E or BS 105 E)	*

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

All you require to process such surfaces:

Denomination	Order no.
The matching surface sanding frame	*

The extractor required is one of the Cleantec mobile dust extractors CT MINI/MIDI – CT 55.

A fixed support for the respective panel or door

C

Preparation/set-up



219/03

Please make the following preparations for sanding surfaces:

- In order to fit the belt sander in the frame, the front and rear guide block first have to be fitted on the housing of the belt sander. Only then can the machine be inserted with its sliding knuckle in the sanding frame.
 - To adjust the belt sander, follow the test sanding procedure described in the Operating Instructions.
 - Use the front knurled screw to set the sanding depth.
-
- Connect the mobile dust extractor to the dust extraction of the belt sander. If no mobile dust extractor is available, the Longlife dust bag included in the delivery can be connected to the belt sander. Both versions protect your health.



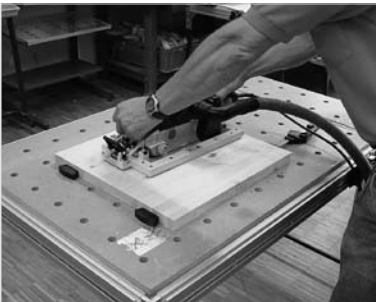
219/04

E

Procedure



219/05



219/06



219/07

Proceed as follows to sand surfaces:

- Place the belt sander on the surface to be sanded and check whether the depth setting of the sander is correct.
 - Now switch on the belt sander and guide it with S-shaped movements over the worktop or door. Ensure that you only push the belt sander forwards approx. $\frac{2}{3}$ of the belt sander length in each case. This guarantees that transitions between the individual sanding tracks are not visible.
 - The belt sander movement speed should be uniform to ensure that material removal is even all over the workpiece.
-
- Similarly, you should also ensure that the belt sander is only moved in the direction of the wood grain. Moving against the grain can result in sanding marks that are almost impossible to remove.

Note

The black switch lever at the front of the surface sanding frame is used to raise the belt sander into a "parked" position, which permits inspection of the sanded surface even during the work procedure with the machine running.

If there are still scores in the sanded board or door in spite of this, you should check the adjustment of the machine. Please refer to the Operating Instructions for information on readjustment.

FESTOOL

Our application examples are recommendations which have been 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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