



Operating Instructions

Edge coating deleter

BO 89.110

Introduction

Dear customer,

Thank you for purchasing the **Bohle** Edge coating deleter BO 89.110.

Please read these operating instructions carefully before machine start up. The complete instruction manual should always be kept close at hand.

For enquiries or spare parts orders and malfunctions, please inform us of the machine type and number.

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We reserve the right to make changes in line with technical progress.

This document is the original operating instructions in English.

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Table of Contents

Introduction	2
Table of Contents	2
EC-Declaration of Conformity	3
1. General safety instructions	4
2. Technical Data	5
3. Transport, storage and delivery	5
4. Handling	6
5. Inspection and maintenance	8
6. Spare Parts	8

EC-Declaration of Conformity **UK CA**

We hereby declare that the Edge coating deleter

Type	Edge coating deleter BO 89.110
No.	
Year	

in the supplied version meets the requirements of the following relevant regulations:

EC Machine Guideline (2006/42/EC, annex I)

Low Voltage Guideline 2006/95/EG

EMC Guideline 2004/108/EG

Applicable harmonized standards, especially

DIN EN 60204-1

DIN EN 12100-1

DIN EN 12100-2

Bohle assumes no liability if:

- The edge coating deleter is not used as intended,
- The edge coating deleter is converted or modified without authorisation,
- Components or spare parts from other manufacturers are used,
- The Edge coating deleter is installed incorrectly or by unauthorised persons,
- The Edge coating deleter is not maintained regularly,
- Warnings, instructions and regulations in these operating instructions are not observed.

Intended use

The edge coating deleter is only to be used for the removal of coatings at the edges of glass panes with straight or shaped edges.



Haan, December 2021

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1. General safety instructions

- This Edge coating deleter may only be set up, operated and maintained by authorised, trained and qualified personnel who are familiar with these instructions. The personnel must be made aware of any residual hazards.
- Bohle guarantees trouble-free operation only with original spare parts and accessories.
- Before use, ensure that all guards are appropriately positioned and undamaged.
- To avoid a malfunction, the operator must operate the Edge coating deleter in accordance with these operating instructions and applicable regulations.
- In addition to the operating instructions, the generally applicable legal and other binding regulations on accident prevention and environmental protection must be observed.
- Always wear appropriate protective equipment when handling glass.
- Do not make any changes, additions or conversions to the Edge coating deleter device. This applies in particular to safety devices. Unauthorised modifications and alterations to the Edge coating deleter will invalidate the EC declaration of conformity issued.
- The operating instructions must be kept with the unit.
- Regularly check the grinding wheel, protective guard and cable for damage. Replace damaged parts immediately!
- The use of the Edge coating deleter in a potentially explosive (ATEX) area is prohibited.
- During operation, never reach into the working area of the Edge coating deleter by hand or with tools; do not bypass protective devices. There is a risk of injury!
- The operator must ensure that no unauthorised persons are in the working area during operation. There is a risk of injury!
- Device only to be used in flawless condition. There is a risk of injury!
- It is forbidden to operate the Edge coating deleter under the influence of medication that affects the ability to perceive or react and under the influence of drugs and alcohol!
- If safety devices are removed during repair work, the Edge coating deleter must not be put back into operation until all safety devices have been fitted and checked for function.
- Any maintenance work must be done in "OFF" position only. Secure the edge coating deleter against unintentional switching-on before beginning maintenance work.
- Because of dust formation, masks must be worn when using this tool. The operating company is expected to provide a suitable grinding dust extraction which has to be connected to the suction piece of the protection cover.



2. Technical Data

Height [mm] max	230
Width [mm] max	130
Length [mm] max	400
Grinding width [mm]	3
Special grinding wheel [mm]	125x10x76,2
Power supply	220-240V, 50Hz
Motor capacity	1200W
Speed	1200 – 3700 1/min

The edge coating deleter is a portable, electrically powered grinder which has been developed for the removal of edge coatings from glass panes.

Mounted on the cover of the angle grinder are adjustable guide rollers, which are used to guide the grinder along the edge of the glass. The grinding pressure, which is a deciding parameter for the quality of the coating removal, depends on the user and his care and experience.

The grinding wheels are especially designed to remove coatings from flat glass.

3. Transport, storage and delivery

The Edge coating deleter is delivered assembled in a cardboard box.

Scope of delivery B0 89.110 one Edge coating deleter and one instruction manual



It is essential to check the scope of delivery for completeness and damage. Transport damage must be reported immediately and in writing to the carrier (forwarding agent, railway, etc.).



If there is any damage, the unit must not be used!

Remove all transport locks and packaging materials and take the edge decoating unit out of the packaging.



Be sure to read all operating instructions before use.



Always store the Edge coating deleter in such a way that damage to the grinding wheel is avoided.

Store in a dry and clean place.

4. Handling

First, mount the special grinding wheel between the two flanges according to the manufacturer's (FLEX) instructions. The grinding width is generally 10 mm and is determined by the width of the grinding wheel.



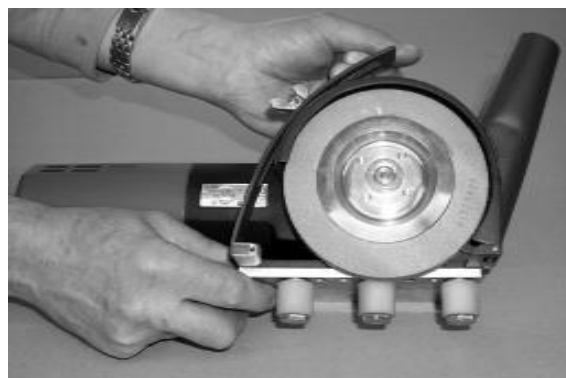
Next, check the gap between the guide rollers and the grinding wheel and adjust, if necessary. To do this, adjust the roller plate accordingly.

By using the different threaded bore holes, the guide rollers can be arranged according to individual requirements.

For example, the middle roller is advantageous when grinding a shaped edge.



Grinding a free shape. The guide roller at the grinding area promotes uniformity of the grinding width along the entire length.

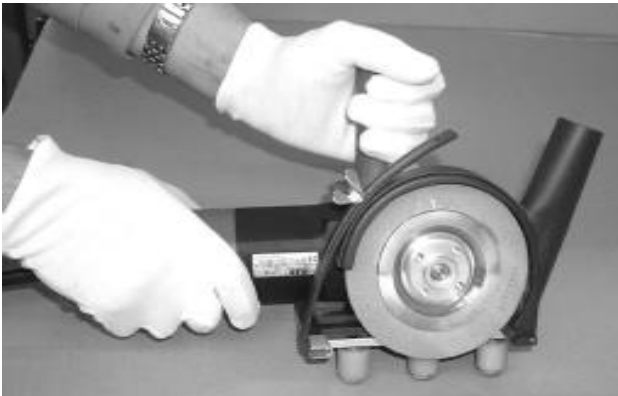


The guide roller plate is swivel-mounted at the cover. This allows the guide rollers to be adjusted according to the diameter of the grinding wheel.

It is important that the guide rollers be set so that the roller is approx. half covered by the grinding wheel. That way the two lugs on the cover are prevented from touching the glass.



Next, check the speed of the grinder (preferably 3000 rpm) and reset at the speed dial, if necessary. The wheels should generally be used according to the manufacturer's instructions. In certain cases, when the outer diameter of the grinding wheel has decreased due to wear, it could be advantageous to use a different speed.



After having checked the settings and made any necessary adjustments, you are ready to plug the power tool in, make a short test run and then start the actual work.



Put the glass pane onto a felt-covered table and make sure the glass pane cannot slide away, e.g. by using stopper rails.

Position the glass so that the edge of the first side to be processed extends slightly (approx. 5-10 mm) over the table edge. The entire length of the glass pane needs to be free to allow the guide rollers to be positioned along the edge.

With the guide rollers resting against the edge of the glass, the edge coating deleter is steadily and evenly guided along the glass. In doing so, it is the manual work of the operator which determines the forward speed as well as the pressure exerted when removing the coating.

The work efficiency as well as the service life of the grinding wheels depend not only on the type of coating being removed, but also very much on the manual skill of the operator. Especially when first touching the grinding wheel down onto the glass there is a high risk of wear and requires some practice before low-wear working skills are mastered.

After the first side has been ground, the other sides are handled in the same way.

5. Inspection and maintenance

Keep the machine clean and dry. Particular care must be taken to ensure that the ventilation slots of the grinding machine are always kept clean and free.

The guiding elements are maintenance-free.

The maintenance of the angle grinder follows the manufacturer's instructions.

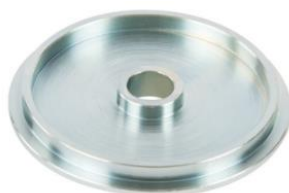
6. Spare parts

For enquiries or spare parts orders and malfunctions, please inform us of the type and production number of the machine. You can read these on the machine plate.

SP 89.B0001 Plate



SP 89.B0002 Flange



SP 89.B0003 Counterflange



SP 89.B0004 Roller



SP 89.B0007 Guard



SP 89.B0008 Hexagon head screw



BO 5300812 Carbon brushes



The following documents from the manufacturer FLEX are attached to the angle grinder used:
Operating instructions, safety instructions, spare parts list