EIBENSTOCK
Elektrowerkzeuge

Original Instructions

EMF 180.2 U

WARNING:

This product can expose you to chemicals including METHANOL, which is known to the State of California to cause birth defects or other reproductive harm.

For more information, go to:

www.P65Warnings.ca.gov

Working direction

Important Safety Instructions

Important instructions and warning notices are allegorized on the machine by means of symbols:

Before you start working, read the operating instructions of the machine.

Work concentrated and carefully. Keep your workplace clean and avoid dangerous situations.

In order to protect the user, take precautions.

During work you should wear ear protectors, goggles, dust mask, protective gloves and sturdy work clothes!

Use ear protection

Wear safety goggles

Wear a dust mask

Wear protective gloves

Warning of general danger

Warning of dangerous voltage

Warning of hot surface

Danger of being ripped or cut

Technical Data

Wall Chaser EMF 180.2 U

Rated voltage:	120 V ~
Rated current:	20 A
Order no.:	0672E000

Frequency:	50 / 60 Hz
No-load speed:	3700 rpm
Max. disc diameter:	7”
Spindle connection:	7/8”
Cutting depth max.:	2 3/8”
Groove width max.:	2 3/8”
Protection class:	I
Degree of protection:	IP 20
Net weight:	ca. 18,0 lbs.
Interference suppression:	EN 55014 and EN 61000

Content of Delivery

Wall chaser with 2 diamond cutting discs, tool kit and operating instructions in a metal case.

Application for Indented Purpose

The wall chaser has to be used only completely mounted according to the mounting instructions. The wall chaser is indented for professional use. Together with a M-class vacuum cleaner and the appropriate diamond cutting discs the wall chaser may be used for cutting slots and grooves in mineral materials e.g. concrete, brick, gas concrete, granite, lime sand brick and tiles without using water.
Only use diamond cutting discs recommended by the manufacturer.

Safety Instructions

Safe work with the machine is only possible if you read this operating instruction completely and follow the instructions contained strictly.
Additionally, the general safety instructions of the leaflet supplied with the tool must be observed. Prior to the first use, the user should absolve a practical training. Save all warnings and instructions for future reference.

If the mains cable gets damaged or cut during the use, do not touch it, but instantly pull the plug out of the socket. Never use the tool with damaged mains cable.

The tool must neither be wet nor used in humid environment.

- Do not use the tool in an environment with danger of explosion.
- Do not drill into asbestos-containing materials.
- Modifications of the tool are prohibited.
- Never use the machine without dust guard.
- Always check the tool, cable and plug before use and plug before use. Have damages only repaired by specialists.
  Insert the plug into the socket only when the tool switch is off.
- When you work outside, the machine has to be used with a fault-current circuit breaker with max. 30 mA.
- The machine should only work under supervision of somebody.
  Plug and switch the machine off if it is not under supervision, in case of putting up and stripping down the machine, in case of voltage drop or when fixing or mounting an accessory.
- Switch the machine off if it stops for whatever reason. You avoid that it starts suddenly and not under supervision.
- Don't use the machine if a part of the housing is damaged or in case of damages on the switch, the cable or plug.
- **Pay attention that the speed indicated on the cutting disc meets or is higher than the max. speed indicated on the machine.**
- Use **only** diamond cutting wheels for your power tool.
- Wheels must be used only for recommended applications. For example: do not grind with the side of cutting wheel.
- Cutting wheels have to be stored and used carefully according to the instructions of the producer.
- Cutting discs flanges and other accessories must properly fit on the spindle of the power tool. Do not use any reducing pieces or adapters.
- Check the accessories before use. Do not use any products which are broken, cracked or damaged in another way.
- Before use, make sure that the tool is correctly fixed and fastened.
  Let it run idle for about 30 seconds in a safe position. If considerable vibrations occur or if other defects are recognised, switch off immediately.
- Always lead the mains and extension cable as well as the extraction hose to the back away from the machine.
- Power tools have to be inspected by a specialist in regular intervals.
- Never carry the machine at its cable.
- Do not touch rotating parts.
- Persons under 16 years of age are not allowed to use the tool.




- During use, the operator and other persons standing nearly have to wear suitable ear protectors, a dust mask, protection goggles as well as protective gloves.
- Make sure that persons in the work space are not endangered by particles flying around.
- Keep the handles dry, clean and free of oil and grease.
- **Attention! The tool still runs for a little while after the machine was switched off.**

For further safety instructions, please refer to the enclosure!

Electrical Connection

Before starting the machine check the correspondence between voltage and frequency according to the data mentioned on the identification plate. Voltage differences from + 6 % and – 10 % are allowed. The wall chaser is made in protection class II. Only use extension cables with a sufficient cross-section. A cross-section which is too small could cause a considerable drop in performance and an overheating of machine and cable. The tool is equipped with a start-up speed limiter to prevent that swift automatic circuit breakers are unintentionally triggered.

Recommended extension cord sizes for use with portable electric tools:

Length of Cord in Feet										
110 V		25 Ft.	50 Ft.	100 Ft.	150 Ft.	200 Ft.	250 Ft.	300 Ft.	400 Ft.	500 Ft.
Nameplate Ampere Raiting	0-2	18	18	18	16	16	14	14	12	12
	2-3	18	18	16	14	14	12	12	10	10
	3-4	18	18	16	14	12	12	10	10	8
	4-5	18	18	14	12	12	10	10	8	8
	5-6	18	16	14	12	10	10	8	8	6
	6-8	18	16	12	10	10	8	6	6	6
	8-10	18	14	12	10	8	8	6	6	4
	10-12	16	14	10	8	8	6	6	4	4
	12-14	16	12	10	8	6	6	6	4	2
	14-16	16	12	10	8	6	6	4	4	2
	16-18	14	12	8	8	6	4	4	2	2
	18-20	14	12	8	6	6	4	4	2	2

Switching on and off

The wall chaser EMF 180.2 U is equipped with a lock-off button against unintentional switch-on.

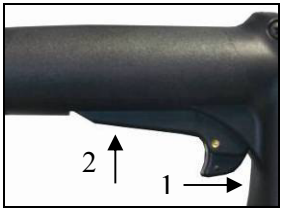


Fig.1

Switching-on: push the on/off switch forward (1) and then down (2)

Switching-off: release the on/off switch

Instructions for Use

Exercise caution when cutting slots in supporting walls; see section "Information on structural calculations".
Do not strain the machine so heavily that it comes to a standstill.

Only use the Wall chaser dry cutting.
Adjust the cutting depth see section "Pre-selection the Cutting Depth". To compensate inaccuracies that occur when breaking away the fin, the cutting depth must be set approx. 3 mm deeper than the requested slot depth.

Place the machine with the front roll (cover) on the surface to be worked. Switch on the machine and slowly lower and plunge the cutting unit into the material.

Guide the machine with both handles, applying moderate feed, suited to the material being worked.

The wall chaser must always work in an up-grinding motion (sliding cut). Otherwise, the danger exists of it being pushed uncontrolled out of the cut.

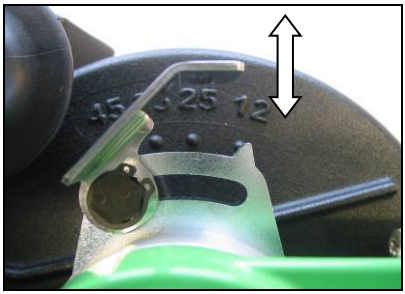
Remove the remaining fin of the material with a break-out tool or a chiselling hammer. Curved cuts are not possible, as the diamond cutting discs could jam in the material.

When breaking through walls, e. g. with a rotary hammer, most of the chipping-off of the surface material can be avoided by first cutting in a slot with maximum cutting depth.

For cutting expecially hard material, e. g. concrete with high pebble content, the diamond cutting disc can overheat and become damaged as a result. This is clearly indicated by circular sparking, rotating with the diamond cutting disc.
In this case, interrupt the cutting process and allow the diamond cutting disc to cool by running the machine for a short time with no load.

Noticeable decreasing work progress and circular sparking are indications of a blunt diamond cutting disc. Briefly cutting into abrasive material (e. g. lime-sand brick or the EIBENSTOCK-diamond-sharpening-stone) can re-sharpen the disc again.

Pre-selection of the Cutting Depth



For adjusting the cutting depth open the locking lever.
By turning the protection cover adjust the required cutting depth on the scale and close the locking lever again.

The locking lever has to be locked firmly on working always.

Fig.2

Changing the Diamond Cutting Discs




Attention!

The Cutting discs, spacer discs and the flange nut might heat up enormously during operation. You could burn your hands or get cut or ripped by the segments.
Therefore, always use protective gloves when changing the grinding wheel.
Before any work on the tool, disconnect the plug from the mains!

Press the spindle lock button to lock the work spindle .

Actuate the spindle lock button only when the work spindle is at a standstill.

Otherwise, the machine may become damaged.

Fig.3

Fig.4

Open the clamping screw with the allen key SW6 and remove the clamping sleeve, diamond cutting discs as well as the spacer discs from the work spindle.

Clean the work spindle and all parts to be mounted.

- **Pre-selection of the Groove Width :**

The groove width results from the number and thickness of the spacer discs between the two diamond cutting discs and the cutting width of the diamond cutting discs.

The grove width is calculated as follows: groove width = Thickness of the spacer discs + width of the diamond cutting discs.

Thickness of the spacer discs: 2x 3, 2x 6, 2x 10 and 1x 19.5 mm

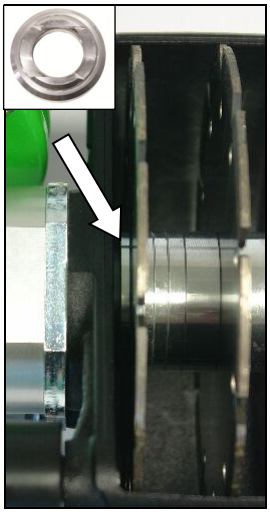


Fig 5

First the wheel flange has to be mounted on the work spindle (see arrow).

The wheel flange with its driving must have a correct seat on the work spindle.

Then mount one of the two diamond cutting discs.

After that put the spacer discs and the second diamond cutting disc according to the required groove width on the work spindle.

Press the spindle lock button to lock the work spindle (see arrow – Fig.3).

Screw on the clamping screw and tighten it with the face spanner (see Fig.4).

Instructions for assembly:

- **Regardless of the requested grove width, all spacer discs provided must always be mounted.**
  Otherwise, the diamond cutting disc can become loose during operation and lead to injuries.
- **At least one spacer disc must be mounted between two diamond cutting discs.**
- **When mounting the diamond cutting discs, ensure that the direction of rotation arrows on the diamond cutting disc match with the rotation direction of the machine (see direction of rotation arrow on the protective hood).**
- **Always replace the diamond cutting discs in pairs.**
- **Use only original accessory!**
- **The wall chaser is in power and speed optimal adjusted to the EIBENSTOCK-diamond cutting discs.**
- **Thus you reach the best work result in consideration of the material to be worked on (see accessories).**

In order to check whether the spindle stop is released before you switch on the tool, turn the spindle slightly.

Let the machine run for a short period of time and in a safe position. If the machine does not run easily, stop working immediately.

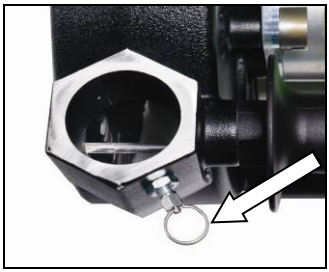
Information on Structural Calculations

Slots in supporting walls are subject to the Standard DIN 1053 part 1, or country- specific regulations. These regulations are to be observed under all circumstances. Before starting work, consult the responsible structural engineer, architect or the construction supervisor. The permitted slot depth and width depends on the slot length, wall thickness and the building material used.

Dust Extraction

Dust which occurs during your work is hazardous to health. That is why the EMF 180.2 U must be used with a vacuum cleaner, and a dust mask has to be worn.

The suitable Wet/Dry Vacuum Cleaner DSS 35 M iP is available as accessory. It can directly be attached to the connection on the dust hood.



The suction hose can be locked against slipping out by means of the hose fixing.

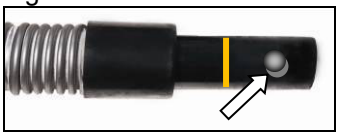
Fig.6

Make the necessary drill hole as follows:

Put the suction hose in the connector of the hood.

Mark the plug-in depth with a crayon. (see arrow)

Fig.7



Drill 13 mm from this marking (line) a hole with diameter 6 mm in the nozzle.

Fig.8

When insert the suction hose pull the ring of the hose fixing and turn the nozzle till the fixation engages.

Overload Protection

In order to protect the operator, motor and tool, the wall chaser is equipped with an electronic and thermal overload protection.

Electronic: To warn the user against an overload of the machine due to too high contact pressure, a LED is attached to the switch grip. It does not light during idle run or at normal load. When the unit is overloaded the LED lights red, in this case, the unit must be stress-relieved. You can continue working after having stress-relieved and switching OFF and ON the power tool again.

Thermal: In case of permanent overload, a thermocouple protects the motor against destruction. In this case, the tool switches off automatically and can only be restarted after a certain cooling period (approx. 2 minutes). The cooling period depends on the heating of the motor winding and the ambient temperature.

Care and Maintenance

Before the beginning of maintenance or repair works you have to disconnect the plug from the mains.

Repairs may be executed only by appropriately qualified and experienced personnel. After every repair the machine has to be inspected by an electric specialist.
Due to its design, the machine needs a minimum of care and maintenance. However, the following points always have to be observed:

- Always keep the power tool and the ventilation slots clean.
- During work, please pay attention that no particles get inside the machine.
- In case of failure, a repair has to be carried out by an authorised service workshop.

Environmental Protection

Raw material recycling instead of waste disposal

To avoid damages on transportation, the power tool has to be delivered in a sturdy packing. Packaging as well as unit and accessories are made of recyclable materials and can be disposed accordingly.
The tool's plastic components are marked according to their material, which makes it possible to remove environmental friendly and differentiated because of available collection facilities.

Only for EU countries

Do not dispose of electric tools together with household waste material!

In observance of the European Directive 2012/19/EU on waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

Noise Emission / Vibration

The indication of noise emission is measured according to DIN 45 635, part 21. The level of acoustic pressure on the work place could exceed 85 dB (A); in this case protection measures must be taken.

Wear ear protectors!

The typical hand-arm vibration is below 2.5 m/s².
Measured values determined according to EN 60 745.
The vibration emission level given in this information sheet has been measured in accordance with a standardized test given in EN 60745 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure. The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase the exposure level over the total working period. An estimation of the level of exposure to vibration should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period. Identify additional safety measures to protect the operator from the effects of vibration such as: maintain the tool and the accessories, keep the hands warm, organisation of work patterns.

Dust Protection

Dust from material such as paint containing lead, some wood species, minerals and metal may be harmful. Contact with or inhalation of the dust may cause allergic reactions and/or respiratory diseases to the operator or bystanders. Certain kinds of dust are classified as carcinogenic such as oak and beech dust especially in conjunction with additives for wood conditioning (chromate, wood preservative). Material containing asbestos must only be treated by specialists.

- Where the use of a dust extraction device is possible it shall be used.
- To achieve a high level of dust collection, use industrial vacuum cleaner DSS 35 M iP for wood and/or minerals together with this tool.
- The work place must be well ventilated. The use of dust mask of filter class P2 is recommendend.

Warranty

According to our general terms of delivery for business dealings, suppliers have to provide to companies a warranty period of 12 months for redhibitory defects (to be documented by invoice or delivery note). Damages due to natural wear, overstressing or improper handling are excluded from this warranty. Damages due to material defects or production faults shall be eliminated free of charge by either repair or replacement.
Complaints will be accepted only if the tool is returned in non-dismantled condition to the manufacturer or an authorized Eibenstock service centre.

EU Declaration of Conformity

We declare under our sole responsibility that the product described under “Technical Data” is in conformity with the following standards or standardization documents:
EN 60745-1, EN 60745-2-22, EN 50581, EN IEC 63000
according to the provisions of the directives 2011/65/EU, 2014/30/EU, 2006/42/EG

Technical file (2006/42/EC) at:

Elektrowerkzeuge GmbH Eibenstock
Auersbergstraße 10
D – 08309 Eibenstock

Lothar Lässig
General Manager

Frank Markert
Head of Engineering

09.09.2025

GB - Declaration of Conformity

We declare as the manufacturer under our sole responsibility that the product described under “Technical Data” fulfi lls all the relevant provisions of the following Regulations S.I. 2008/1597 (as amended), S.I. 2017/1206 (as amended), S.I. 2012/3032 (as amended) and that the following designated standards have been used:
BS EN 60745-1, BS EN 60745-2-22, BS EN 50581, BS EN IEC 63000.

Technical file (S.I. 2008/1597) at:

Elektrowerkzeuge GmbH Eibenstock
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Lothar Lässig
General Manager

Frank Markert
Head of Engineering

09.09.2025

Your distributor

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