



BORMANN PRO BMF5000 Multi-Purpose Oscillating Tool User Manual

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BORMANN PRO BMF5000 Multi-Purpose Oscillating Tool



Properties of the tool

Multi-purpose oscillating tool is a regular electric tool of the 2nd insulation class designed principally for finishing works at wood, plastics and metal processing, particularly in corners and in areas that are difficult to reach. The tool permits cutting, grinding, clean surfaces and polish with an adequate insertion tool. Under no circumstances may the tool be used for the purpose of processing other materials than those mentioned above, e.g. for grinding of finishing coats, fiber-reinforced putty, etc. Correct, reliable, and safe functioning of the grinder depends upon its adequate operation, and therefore: Before you proceed to use the tool, read the whole manual and keep it.

Attention! Dust generated while grinding certain surfaces may be harmful and even toxic.

The note above regards for example grinding surfaces coated with lead-containing paints, certain kinds of woods, some metals (e.g. lead) and materials, and therefore during work it is necessary to apply an efficient dust extraction system, dust masks and other means of protection of the skin and respiratory system. The supplier shall not be held responsible for any damage due to failure to observe safety regulations and the recommendations included in this manual.

Technical Data

The technical data of the equipment are described in the following table :

Technical Data		
Parameter	Unit of measurement	Value
Mains voltage	[V]	230
Frequency	[Hz]	50
Input Power	[Watt]	500
Oscillating Angle	[degrees]	2,8

Safety matters regarding the power tool

Warning! Read all safety warnings, illustrations and specifications provided with this power tool. Failure to do so may result in electric shock, fire or serious injury. Keep all warnings and instructions for future reference. The term “power tool” used in warnings applies to all tools driven by power both wired and wireless tools.

Workplace safety

Keep the workplace well-lit and clean. Disorder and poor lighting can be causes of accidents. Do not work with power tools in an environment with an increased risk of explosion, containing flammable liquids, gases or vapors. Power tools generate sparks that can ignite dust or fumes. Children and third persons should not be allowed to enter the workplace. Loss of concentration can result in loss of control.

Electrical safety

The plug of the electric cable must match the power socket. You must not modify the plug in any way. Do not use any plug adapters with earthed power tools. An unmodified plug that fits the outlet reduces the risk of electric shock. Avoid contact with earthed surfaces such as pipes, radiators and coolers. Grounding the body increases the risk of electric shock. Do not expose power tools to contact with atmospheric precipitation or moisture. Water and moisture that gets inside the power tool increases the risk of electric shock. Do not overload the power cable. Do not use the power cord to carry, pull or unplug the power plug from the power outlet. Avoid contact of the power cable with heat, oils, sharp edges and moving parts. Damage or entanglement of the power cord increases the risk of electric shock. In the case of working outside closed rooms, use extension cords intended for work outside closed rooms. The use of an extension cord adapted for outdoor use reduces the risk of electric shock. When using a power tool in a humid environment is unavoidable as a protection against supply voltage use a residual current device (RCD). The use of RCD reduces the risk of electric shock.

Personal safety

Stay alert, pay attention to what you do and keep common sense while working with the power tool. Do not use a power tool when you are tired or under the influence of alcohol or medication. Even a moment of inattention while working can lead to serious personal injury. Use personal protective equipment. Always wear eye protection. The use of personal protective equipment such as dust masks, anti-slip safety shoes, helmets and hearing protection reduces the risk of serious personal injury. Prevent accidental operation. Make sure that the electric switch is in the “off” position before connecting to the power supply and/or battery, lifting or moving the power tool. Moving the power tool with the finger on the switch or powering the power tool, when the switch is in the “on” position can lead to serious injuries. Before turning on the power tool remove any keys and other tools that were used to adjust it. The key left on the rotating parts of the power tool can lead to serious injuries. Do not reach and do not lean too far. Keep the right attitude and balance all the time. This will allow easier control over the power tool in case of unexpected work situations. Dress accordingly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts of the power tool. Loose clothing, jewelry or long hair can be caught by moving parts. If the devices are fitted for the connection of dust extraction or dust collection, make sure that they are connected and used properly. The use of dust extraction reduces the risk of dust hazards. Do not let the experience acquired from frequent use of the tool result in carelessness and ignoring safety rules. Carefree action can cause serious injuries in a fraction of a second.

Use and care of the power tool

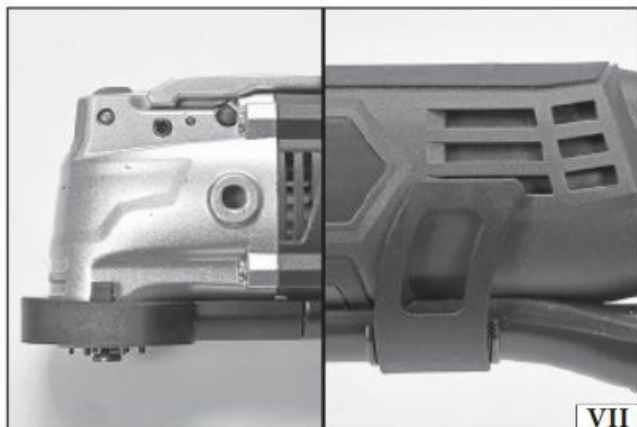
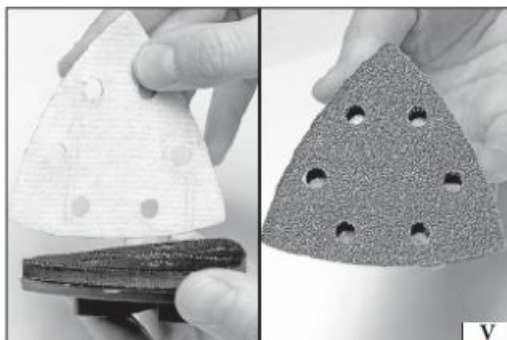
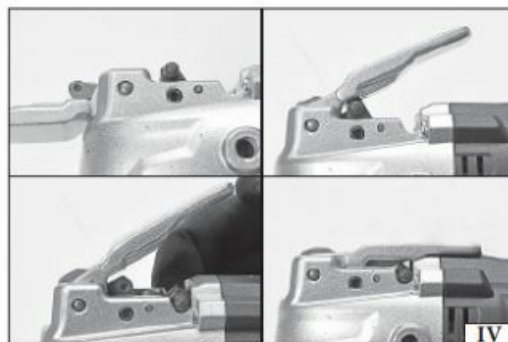
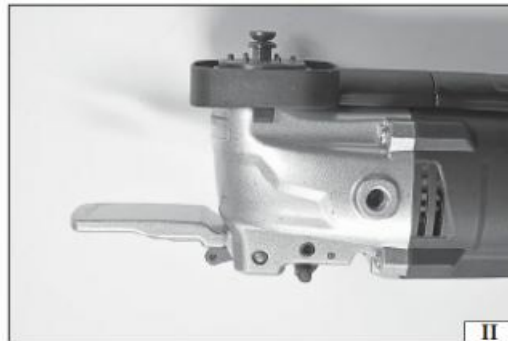
Do not overload the power tool. Use the power tool appropriate for the selected application. The right power tool will provide a better and safer job if used according to the designed load. Do not use the power tool, if the electric switch does not allow switching on and off. Power tool, which cannot be controlled by means of a power switch is dangerous and must be returned for repair. Disconnect the plug from the power socket and/or remove the battery if it is detachable from the power tool before adjusting, changing accessories or storing the tool. Such preventive measures will allow you to avoid accidentally turning on the power tool. Keep the tool out of the reach of children, do not let people who do not know how to operate the power tool or these instructions use a power tool. Power tools are dangerous in the hands of untrained users. Maintain power tools and accessories. Check the tool for mismatches or jams of moving parts, damage to parts, and any other conditions that may affect the operation of the power tool. Damage must be repaired before using the power tool. Many accidents are caused by incorrectly maintained tools. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp edges are less prone to jamming and are easier to control when working. Use power tools, accessories and inserted tools etc. in accordance with these instructions, taking into account the type and conditions of work. The use of tools for work other than designed is likely to result in a dangerous situation. Handles and gripping surfaces must be dry, clean

and free from oil and grease. Slippery handles and gripping surfaces do not allow for safe operation and control of the tool in dangerous situations

Repairs

Repair the power tool only in authorized facilities using only original spare parts. This ensures proper operation and safety of the power tool.

Operation of the tool



Mounting the inserted tool

Attention! The steps described in this chapter should be carried out only when the power supply is disconnected. Pull the plug of the tool out from the socket!

During the installation of the inserted tool equipped with sharp edges, be careful and use personal protective

equipment, in particular protective gloves. Lift, and then turn for 180 degrees the lever of the quick installation mechanism (II). Install the inserted tool which is designed for the selected type of work. Mount the inserted tool holder on the spindle handle so that the work was as easy as possible, yet safe. Attention! It is prohibited to assemble at the place, where the working part of the inserted tool (blade) would be directed towards the tool operator. Make sure, that the holes of the tool are inserted in line with the pins of the handle spindle (III). Attention! It is prohibited to mount the tool of the place where the inserted tool will be mounted with less than two pins. Attention! It is possible to install the inserted tools with open or closed mounts. The lever of mechanism for rapid installation is equipped with protection, which protects the operator's fingers against being trapped by the descending lever. Before you completely lower the lever you should move the protection to the position which is enabling to close the lever (IV). Turn the lever of the quick installation mechanisms for 180 degrees, allowing the inserted tool to be mounted into spindle handle. Push the lever of the quick installation, so as to protect it from accidental opening during its operation (IV). Attention! Adapter for grinding may be provided with a pad located in the mounting hole, before mounting the adapter for grinding, the pad should be removed from the opening, for example by a small screwdriver.

Mounting the abrasive sheet (V)

When you select as an inserted tool the adapter for grinding, before starting the work you need to install a sanding sheet on it. The adapter is equipped with a velcro pad, to which the sanding sheet should be attached in such a way so the edges of the sheet would be covered with the adapter edges. For adapters that are equipped with holes for dust extraction, you should apply sanding sheets with holes. While attaching the sheet to the adapter, you should ensure that the holes in the sheet would cover the holes in adapter.

Dust extraction (VII)

The tool is equipped with the attached dust extraction system. Dust extraction fulfills its role only in the case of work performed with the grinding adapter. The dust extraction should be installed before installing the grinding adapter. The front part of the exhaust should be translated through the spindle so, the catches would be blocked on the protrusions of tool housing. The rear part of the dust extraction should be secured with a clamp engaging at the bottom row of the rear air vents. The dust extraction outlet should be connected to an external dust extraction system. In the case of using an external installation of dust extraction, you should follow the instructions supplied with these installations.

Installation of the auxiliary handle (VIII)

The tool enables for a two-handed grip, even without a mounted auxiliary handle, but where the handle will not interfere with the work, e.g. due to lack of space, it should be installed by firm screwing to the hole in the housing on the left or right side.

Preparation for work

Remove the plug of the power supply cable from the socket. Before any work with the tool, it is required to make sure the housing and the connection cord with the plug are not damaged. In case any damage is detected, it is prohibited to connect the tool to the mains! Insert the insertion tool designed for the given kind of work. Wear eye and hearing protectors and working gloves. Make sure the switch is, "OFF", and then insert the plug of the power supply cable to the mains socket. Adopt an adequate position, which guarantees stability during work and turn the tool on using the switch.

Using the tool

Commence work applying the insertion tool to the material to be processed. During work do not exert excessive pressure against the material being processed and do not make sudden movements, so as to avoid any damage to the insertion tool or the abrasive sheet. Due to the level of vibration noise and dust generated by the tool, it is necessary to make regular breaks during work. Avoid overloading the tool, the temperature of the external surfaces at any time must not exceed 60°C. Always use individual protection means: working gloves, safety goggles and hearing protection. Remove accumulated dust from the abrasive sheet from time to time. In order to do so turn the tool off and slightly tap the foot of the grinder. Do not process different materials using the same abrasive sheet! Once the work has concluded turn the tool off, remove the plug of the power supply cable from the mains socket, and begin maintenance and inspection of the tool. The declared total value of vibration has been measured through a standard measurement method and may be used to compare different tools. The declared total value of vibration may be used for the purpose of a preliminary evaluation of exposure. Attention! The actual vibration while operating the tool may vary from the declared value, depending on the use of the tool. Attention! It

is required to specify the safety measures to protect the operator, which are based upon the evaluation of exposure under actual conditions of work (including all the stages of the working cycle, e.g. the periods when the tool is off or is idling and the periods of active operation)

Maintenance and Overhaul

ATTENTION! Before any adjustment, technical service or maintenance operations unplug the tool. Once the operations have been finished, the technical conditions of the tool must be assessed by means of external evaluation and inspection of the following elements: body and handle, conductor with a plug and deflection functioning of the electric switch, patency of ventilation slots, sparking of brushes, the noise level of functioning of bearings and gears, start-up and smoothness of operation. During the guarantee period, the user cannot dismantle the electric tools or change any sub-assemblies or elements, since it will cancel any guarantee rights. All irregularities detected at overhaul or during the functioning of the tools are a signal to have the tool repaired at a service shop. Once the functioning has been concluded, the casing, ventilation slots, switches, additional handles, and protections must be cleansed with a stream of air (at a pressure not exceeding 0.3 MPa), with a brush or a cloth without any chemical substances or cleaning liquids. Tools and handles must be cleansed with a clean cloth.

ENVIRONMENTAL DISPOSAL

In order to avoid damages on transportation, the tool has to be delivered in solid packaging. Packaging as well as the unit and accessories are made of recyclable materials and can be disposed of accordingly. The tool's plastics components are marked according to their material, which makes it possible to remove environmentally friendly and different ted because of available collection facilities

Only for EU countries

Do not dispose of electric tools together with household waste material! In observance of European Directive 2002/96/EC 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.

- The manufacturer reserves the right to make minor changes to product design and technical specifications without prior notice unless these changes significantly affect the performance and safety of the products. The parts described/illustrated in the pages of the manual that you hold in your hands may also concern other models of the manufacturer's product line with similar features and may not be included in the product you just acquired.
- To ensure the safety and reliability of the product and the warranty validity, all repair, inspection, repair, or replacement work, including maintenance and special adjustments, must only be carried out by technicians of the authorized service department of the manufacturer.
- Always use the product with the supplied equipment. Operation of the product with non-provided equipment may cause malfunctions or even serious injury or death. The manufacturer and the importer shall not be liable for injuries and damages resulting from the use of non-conforming equipment.
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The power tools have been manufactured according to strict standards, set by our company, which are aligned with the respective European quality standards. The power tools of our company are provided with a warranty period of 24 months for non-professional use, 12 months for professional use, and 6 months for batteries. The warranty is valid from the date of purchase of the product. Proof of the warranty right is the purchase document of the tool (retail receipt or invoice). Under no circumstances shall the company cover the relevant cost of spare parts and respective required working hours unless a copy of the purchase document is presented. In case the repair has to be done by our service department the cost of transport (to and from) is entirely borne by the sender (client). The tools must be sent for repair to the company or to an authorized workshop in the appropriate way and

mean of transport.

WARRANTY EXEMPTIONS AND RESTRICTIONS

1. Spare parts that wear out naturally as a consequence of being used (brushes, cables, switches, chargers, chokes, etc.).
2. Tools damaged as a result of non-compliance with the instructions of the manufacturer.
3. Tools poorly maintained.
4. Use of improper lubricants or accessories.
5. Tools were given to third parties free of charge.
6. Damage due to an electrical connection at a voltage other than that indicated on the appliance plate.
7. Connection to a non-earthed power supply.
8. Change in current voltage.
9. Damage resulting from the use of salty water (e.g., washing machines, pumps).
10. Damage or malfunction resulting from improper cleaning procedure of the tool.
11. Contact of the tool with chemicals, or damage as a result of moisture or corrosion.
12. Tools that have been modified or opened by unauthorized personnel.
13. Tools used for rent.

The warranty covers only the free-of-charge replacement of the component that presents a manufacturing defect or material failure. In case of a lack of a specific spare part, the company reserves the right to replace the tool with another corresponding model. After all warranty procedures have been concluded, the warranty period of the tool shall not be extended or renewed. Replacement of a spare part with a repair charge is covered by a 1-year warranty of the good operation, subject to compliance with the warranty terms. The spare parts or tools that are replaced remain in the possession of our company. Requirements, other than those mentioned in this warranty form, regarding power tools repair or damage thereof, do not apply. Greek law and relative regulations apply to this warranty.

WARRANTY

This appliance is a quality product. It was designed in compliance with current technical standards and made carefully using normal, good-quality materials. The warranty period is 24 months for non-professional use and 12 months for professional use and commences on the date of purchase, which can be verified by the receipt, invoice or delivery note. During this warranty period all functional errors, which, despite the careful treatment described in our operating manual, are verifiably due to material flaws, will be rectified by our after-sales service staff. The warranty takes the form that defective parts will be repaired or replaced with perfect parts free of charge at our discretion. Replaced parts will become our property. Repair work or the replacement of individual parts will not extend the warranty period nor will it result in a new warranty period being commenced for the appliance. No separate warranty period will commence for spare parts that may be used. We cannot offer a warranty for damage and defects on appliances or their parts caused by the use of excessive force, improper treatment, and servicing. This also applies for failures to comply with the operating manual and the installation or spare and accessory parts that are not included in our range of products. In the event of interference with modifications to the appliance by unauthorized persons, the warranty will be rendered void. Damages that are attributable to improper handling, overloading, or natural wear and tear are excluded from the guarantee. Damages caused by the manufacturer or by a material defect will be corrected at no charge by repair or by providing spare parts. The prerequisite is that the equipment is handed over assembled, and complete with the proof of sale and guarantee. For a guarantee claim, only use the original packaging. That way we can guarantee quick and smooth guarantee processing. Please send us the appliances post-paid or request a Freeway sticker. Unfortunately, we will be up to accepting appliances that are not postpaid. The warranty does not cover subject to natural wear and tear. If you wish to make a warranty claim or order spare parts or accessories, please contact the Subject to change without prior notice.

Documents / Resources



[BORMANN PRO BMF5000 Multi-Purpose Oscillating Tool](#) [pdf] User Manual
BMF5000, 031857, BMF5000 Multi-Purpose Oscillating Tool, Multi-Purpose Oscillating Tool, Oscillating Tool

References

-  [NIKOLAOU TOOLS](#)

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