

Safety Notes

General Safety Warnings

⚠ WARNING Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference. The term “Mechhammer” in the warnings refers to your mains-operated planishing hammer.

Work area safety

Keep work area clean and well lit. Cluttered or dark areas invite accidents.

Do not operate planishing hammer in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.

Keep children and bystanders away while operating a planishing hammer. Distractions can cause you to lose control.

Electrical safety

The planishing hammer mains plug must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) planishing hammers. Unmodified plugs and matching outlets will reduce risk of electric shock.

Do not expose planishing hammers to rain or wet conditions. Water entering a planishing hammer will increase the risk of electric shock.

Do not abuse the cord. Never use the cord for carrying, pulling or unplugging. Keep cord away from heat, oil, sharp edges and moving parts. Damaged or entangled cords increase the risk of electric shock.

When operating a planishing hammer outdoors, use an extension cord suitable for outdoor use. The use of an extension cord suitable for outdoor use reduces the risk of electric shock.

If operating a planishing hammer in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

Products sold in GB only: Your product is fitted with a BS 1363/A approved electric plug with internal fuse (ASTA approved to BS 1362). If the plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place by an authorised customer service agent. The replacement plug should have the same fuse rating as the original plug. The severed plug must be disposed of to avoid a possible shock hazard and should never be inserted into a mains socket elsewhere.

Products sold in AUS and NZ only: Use a residual current device (RCD) with a rated residual current of 30 mA or less.

Personal safety

Stay alert, watch what you are doing and use common sense when operating a planishing hammer. Do not use a planishing hammer while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating planishing hammers may result in serious personal injury.

Use personal protective equipment. Always wear ear and eye protection. Protective equipment such as non-skid safety shoes or hearing protection (in accordance with EN352-2) used for appropriate conditions will reduce personal injuries.

Prevent unintentional starting. Ensure the foot pedal is not engaged before switching on the planishing hammer.

Do not overreach. Keep proper footing and balance at all times. This enables better control of the Mechhammer in unexpected situations.

Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

Planishing hammer use and care

Remove and replace grub screw by supplied modified allen bolt before turning the planishing hammer on. Not replacing the grub screw will result in damaging the hammer head internals.

Do not force the planishing hammer. Use the correct dies for your application. The correct die will do the job better and safer at the rate and shape for which it was designed.

Do not use the planishing hammer if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

Disconnect the plug from the power source from the planishing hammer before making any adjustments or changing accessories. Such preventive safety measures reduce the risk of starting the planishing hammer accidentally.

Locate idle planishing hammers out of the reach of children and do not allow persons unfamiliar with the planishing hammer or these instructions to operate the planishing hammer. Power tools can be dangerous in the hands of untrained users.

Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the planishing hammer's operation. If damaged, have the planishing hammer repaired before use. Many accidents are caused by poorly maintained power tools.

Use the planishing hammer, accessories and dies etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the planishing hammer for operations different from those intended could result in a hazardous situation.

When working with the machine, always hold the panel with both hands and provide for a secure stance. The panel is guided more secure with both hands.

Damaged belt covers should be changed immediately. We recommend having this carried out by an after-sales service.

If planishing hammer stops planishing sufficiently it has run out of oil. The internals of the cylinder needs oil to work properly. See post 13 on drawing where to put the oil.

The oil needs to be Airtool oil.

Service

Have your planishing hammer serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the planishing hammer is maintained. Beware of counterfit parts. In case of doubt please contact dealer and have serial number ready. All parts supplied with the Mechammer are made of high quality and tested material suitable for this application.

Hammer Safety Warnings



Wear ear protectors. Exposure to noise can cause hearing loss. Use ear protection in accordance with EN352-2.



After a use of about 20 minutes at full speed the cilinder will get hot so be carefull not touching it.

Product Description and Specifications



Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury and hearing loss.

Intended Use

The machine is intended for planishing and shaping sheet metal up to 2 mm when using the respective accessories.

Product Features

The numbering of the product features refers to the illustration of the machine on the graphics page.

- 1 Mechammer Head
- 2 First Arm
- 3 Second Arm
- 4 Fuse5 Handle
- 6 On/Off /Emergency Switch
- 7 Upper Die
- 8 Foot Pedal9 Adjustable /Floor Mountable Foot
- 10 Second Arm Slide
- 11 Slide Ring
- 12 Collumn
- 13 In this hole you put a few drops of oil

Accessories shown or described may not be part of the standard delivery scope of the product. A complete overview of accessories can be found in our accessories program.

Technical Data

Planishing hammer		Mark II
Rated power input	W	400
Mains fuse	A	(Ceramic 5x20mm) 3.15 (T)
Impact rate	min ⁻¹	150 – 3000
Impact energy per stroke according to EPTA-procedure 05/2009	J	Superlight anvil 2.0 Light anvil 3.1 Standard anvil 8.3 Heavy anvil 11.4
Tool holder		Octo
Lubrication		Airtool oil
Weight	Kg	79

The values given are valid for a nominal voltage [U] of 230 V. For different voltages and models for specific countries, these values can vary.

Noise/Vibration Information

Measured sound values determined according to EN 60745. Typically the A-weighted noise levels of the product are: Sound pressure level 100 dB(A); sound power level 103 dB(A). Uncertainty k = 3.

Wear hearing protection in accordance with EN352-2!

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 according to the provisions of the directives 2011/65/EU, 2004 /108 /EC, 2006/42/EC, 2000 /14 /EC.

2000 /14 /EC: Guaranteed sound power level 105 dB(A). Conformity assessment procedure according to Annex VI.

Assembly

See assembly instruction. Disassembly in reversed order.

Dust/Chip Extraction

Dusts from materials such as lead-containing coatings, minerals and metals can be harmful to one's health. Touching or breathing-in the dusts can cause allergic reactions and/or lead to respiratory infections of the user or bystanders.

Certain dusts, such as oak or beech dust, are considered as carcinogenic, especially in connection with wood-treatment additives (chromate, wood preservative). Observe the relevant regulations in your country for the materials to be worked.

Operation

Starting Operation

Observe correct mains voltage! The voltage of the power source must agree with the voltage specified on the nameplate of the machine. Planishing hammers marked with 230 V can also be operated with 220 V.

Switching On and Off

- To start the machine, push the green On switch.
- To switch off the machine, push the red Off switch.

For low temperatures, the machine reaches the full impact rate only after a certain time.

To save energy, only switch the planishing hammer on when using it.

Setting the Impact Rate

By pushing the foot pedal further down the impact rate and speed will increase. Take a secure stance by placing both feet on the ground and engage the foot pedal with your toe.

⚠ATTENTION You can easily over stretch by using too much speed. Try to find the sweet spot between planishing and shaping. When you see the metal move you found the sweet spot for this die and material combination.

Changing the Tool

Before any work on the machine itself, pull the mains plug. With the Octo tool holder, simpler and easier tool changing is possible without additional aids. When inserting the dies, pay attention that they are clean. **Choosing the right die**

Choose the closest fitting lower die for a smooth result during planishing. For shaping a higher crown lower die will speed up the raising process.

Changing the position of the die (Octo)

In case of lower dies with a octo stem (e.g. double crown, edge tipping, etc.) the position can be rotated in 45 degrees steps.

Working Advice

Before any work on the machine itself, pull the mains plug.

Good results are only achieved with clean dies. This ensures a long service life of the tools and good working performance.

Maintenance and Service

Maintenance and Cleaning

Before any work on the machine itself, pull the mains plug.

For safe and proper working, always keep the machine and ventilation slots clean.

Damaged belt covers should be changed immediately. We recommend having this carried out by an after-sales service.

If the replacement of the supply cord is necessary, this has to be done by an authorized electrician in order to avoid a safety hazard.

After-sales Service and Application Service

In all correspondence and spare parts order, please always include the serial number given on the type plate of the machine.

Our after-sales service responds to your questions concerning maintenance and repair of your product as well as spare parts. Additional information on spare parts can also be found under:

www.mechammer.com

The application service team will gladly answer questions concerning our products and their accessories.

**Ben's Metalshapingshop
Hoofdstraat 48a
5706 AM Helmond
The Netherlands**



Disposal

The machine, accessories and packaging should be sorted for environmental-friendly recycling.

Do not dispose of planishing hammers into household waste!

Only for EC countries:



According to the European Directive 2012/19/EU for Waste Electrical and Electronic Equipment and its implementation into national right, power tools that are no longer usable must be collected separately and disposed of in an environmentally correct manner.

Subject to change without notice.

