

Concrete Grinding Machine

250D Operator's Manual



Electric Model

SAFETY INSTRUCTION

Before using a new grinder

- Please read the operator's manual carefully and make sure you understand the instruction before using the machine
- WKG250D is designed for concrete floor grinding, flattening out concrete floors, surface removal of glue/adhesive residues and putty.
- The machine can cause serious personal injury. Read the safety instruction carefully. Learn how to use the machine
- Only staff that have received the necessary education, both practically and theoretically concerning their usage should operate the machinery

Always use common sense

It is not possible to cover every conceivable situation you can face. Always exercise care and use your common sense. Avoid all situations which you consider to be beyond your capability. If you still feel uncertain about operating procedures after reading these instructions, you should consult an expert before continuing.

Do not hesitate to contact your dealer if you have any more questions about the use of the machine. We will willingly be of service and provide you with advice as well as help you to use your machine both efficiently and safely.

Let your WORKER dealer regularly check the machine and make essential adjustments and repairs.

All information and data in the Operator's Manual were applicable at the time the Operator's Manual was sent to print.



WARNING! Under no circumstances should you modify the original design of the machine without approval from the manufacturer. Always use original spare parts. Unauthorized modifications and/or accessories may lead to serious injury or death to the user or others.



WARNING! Use of products which cut, grind, drill, sand or shape material can generate dust and vapors which may contain harmful chemicals. Know the nature of the material being worked on and wear appropriate dust mask or respirator protection.

Personal protective equipment



WARNING! You must use approved personal protective equipment whenever you use the machine. Personal protective equipment cannot eliminate the risk of injury but it will reduce the degree of injury if an accident does happen. Ask your dealer for help in choosing the right equipment.

- Protective helmet
- Hearing protection
- Protective goggles or a visor



- Breathing mask



- Tight-fitting, heavy-duty and comfortable clothing that permits full freedom of movement.



- Boots with steel toe-caps and non-slip sole.



- Always have a first aid kit nearby.



SAFETY INSTRUCTION

Use and care

- Only use the machine for the purpose it was intended for.
- Keep all parts in good working order and ensure that all fixtures are properly tightened.
- Never use a machine that is faulty. Carry out the checks, maintenance and service instructions described in this manual. Some maintenance and service measures must be carried out by trained and qualified specialists. See instructions under the heading Maintenance.
- Do not modify safety equipment. Check regularly that they function as they should. The machine must not be run with defective or disassembled safety equipment.
- Never use a machine that has been modified in any way from its original specification.
- Machinery should only be started when grinding Heads are resting on the ground unless carrying out a testing procedure as outlined in this manual.
- The machine should not be started without the rubber dust skirt attached. It is essential a good seal between machine and floor be established for safety, especially when operating in dry grinding applications.
- During grinding, the machine must be connected to a vacuum cleaner to sucking off the dust.
- When changing the grinding discs ensure power supply to the unit is OFF by engaging the Stop

Button and the power-plug disconnected.

- After each grinding/polishing operation always remove the diamond tools.
- Make sure that the rubber skirt is intact and clean and that it seals tightly against the floor. Damaged rubber skirt should always be replaced
- The grinding disc continues to rotate for some time after the motor has stopped. Maintain grinding action until the fan has come to a complete stop. Make sure the grinding head has stopped rotating before raising the machine.
- When removing glue, asphalt, paint etc. always raise the machine from the surface after use to prevent it from sticking to the floor due to the heat. Make sure the grinding head has stopped rotating before raising the machine.
- Diamond tools may be very hot after use. Leave machine to cool off before removing the diamond segments. Use protective gloves.
- Always use the machine mounted lifting eye when lifting.
- Always carry the machine by the carrying handle and the handle.

Transport and storage

- The machine should be transported under cover where possible, limiting the exposed to natural elements – in particular rain and snow.
- Store the equipment in a lockable area so that it is out of reach of children and unauthorized persons.
- The machine should always be stored in a dry place when not in use.

Operating Dimension



WKG250D Electric Model

Model	WKG250D
Length	740mm
Width	420mm
Height	850mm
Weight	68kg

Note :All dimensions and weight are all for **reference only** and subject to change at any time

HOW TO ORDER REPAIR PARTS

To insure product safety and reliability, always use replacement parts when making repairs to the equipment.

When ordering parts, please specify the MODEL.

In addition, give part number, description and quantity as listed on the parts list.

Please note: Due to improvements and changes in the equipment the illustrations shown may be different from the actual Machine.

Operating Instruction

Cup wheels layout

1. 1pc 10inch grinding cup wheel



2. 3pcs 4inch trapezoid



Connect the vacuum cleaner

Make sure that the filters in the vacuum cleaner are intact and clean. Pay attention to dust during operation.



Level and water cooling



Adjustable



Removable shroud for edge grinding



Transport

The machine can be folded to minimize space needed for transport. Carefully fold the machine forward. Put padding between the motor and the electric box to prevent damage to the machine

MAINTENANCE

Faults and trouble shooting

The machine will not run

- Check the power supply and the power cables and make sure that they are not damaged.
- Check that the emergency stop button is not pressed by turning it clockwise.

Machine is hard to hold onto

- Not enough diamonds under the machine (if grinding thick glue or soft floors, too few diamonds under the Machine will greatly increase the load on grinder and operator). Usually also accompanied by high current draw by motor. Increase number of diamonds under machine to reduce load on grinder and operator.

Machine is jumping around

- Rubber shock absorber pads in grinding unit may be worn out or damaged. Check and change if necessary.
- Diamonds may not be fitted correctly or have different heights. Check to ensure all diamonds are fitted correctly and are the same height.

The machine stops after just a while

- The machine is overloaded and the overload protection has been released. Reduce load. The machine will reboot after about a minute when the motor has cooled off.

The machine stops during start-up

- The electric motor has been overloaded or a phase is missing. Allow the machine one or two minutes to reset and try again. When this does not help, contact an authorized service workshop.

Cleaning

Always pull out the plug from the outlet socket before cleaning, maintenance or assembly.

Always clean all the equipment at the end of the working day

Do not use a high pressure washer to clean the machine.

In order for the machine to always be cooled sufficiently the cooling air openings must be kept clear and clean.

Rubber shock absorber pads

Check the rubber shock absorbing pads every month.

Replace if necessary.

Electrical Feed



WARNING! Never use damaged cables. They can cause serious, even fatal, personal injuries.

Check that the cord and extension cord are intact and in good condition. Never use the machine if the cord is damaged, hand it in to an authorized service workshop for repair.

Service



IMPORTANT! All types of repairs may only be carried out by authorised repairmen. This is so that the operators are not exposed to great risks.