

PREDATOR
POWER PRODUCTS

PD23.2
9" Diamond Grinder

User & Safety
Instructions



SAFETY RULES FOR THE OPERATING THE FLOOR GRINDER

The PD23.2 floor grinders are constructed according to safety rules and regulations. These technical precautions should not be removed or changed under any circumstances. While operating the machines the following points should be followed

The grinders should always be operated with all safety covers and guards in place

During maintenance and repair the grinders must be unplugged and disconnected from the mains. That also applies to the changing of the diamond tools

The safety ring aids in retaining air borne dust. Lay the ring on the floor, switch off the grinder, once the disc has stopped turning lower the machine body over the ring, once in place, re-start the grinder

The operator should never leave the machine unattended during operation

Before leaving the machine, all rotary parts should be brought to a standstill

Unplug from the mains before attempting maintenance, repair, cleaning or disc removal

After any maintenance and adjustment, all safety covers must be re-attached

Ear and eye protectors must be worn

Safety shoes with steel caps must be worn

Grinder should be connected to a suitable dust extraction unit whilst in use

Dust created from grinding floor coatings is extremely hazardous to health. A dust collector must be used and should be equipped with suitable filters

Make sure the floor is free and clear of debris and foreign bodies prior to commencing grinding. Anchor screws and bolts proud of the floor surface should be removed to prevent damage to the machine or grinding disc

OPERATING

Disconnect the grinder from the power supply

After mounting the appropriate tools, the operation of the grinder can begin

The machine is supplied ready for use. To adjust the grinder, loosen the bolt of the rear wheel swinging arm and change its position in the slots so that the motor axis and disc are 90° level to the floor. Re-tighten the bolts again

Before starting the machine, raise the disc up from the floor so that the machine is not starting under load. When switching on the motor

After the motor has reached full speed, lower the grinding head carefully to the floor. If the machine is correctly adjusted, it is easy to move across the floor. If the machine pulls to the left or right, the machine must be re-adjusted by changing the position of the rear wheel swing (see above)

Never start the motor while the grinding head is on the floor

Dust emission should be prevented by connecting a dust collector and in line pre-separator

Before finishing the grinding process the machine must be switched off and the tools should be brought to a standstill by letting them touch the floor

Disconnect from the power supply

CHANGING THE ABRASIVE TOOLS

Before changing the diamond grinding discs or doing machine maintenance disconnect from the power supply

Tilt the machine onto the back wheels and rest it on the handlebar. Chock up the head so it cannot drop down

The disc is fastened in place via three 8mm allen bolts

Remove the screws with an 8mm Allen key

Check the grinding tool for wear and tear for the next application

Adjust the different heights of the tools by changing the position of the rear wheel swing. The motor axis of the grinder needs to be 90° to the floor

SAFETY INSTRUCTIONS - ELECTRICAL

Before use always check the electrical cable, plug and switch for damage; always have any repairs done before use; minor electrical faults to the plug, cable or switch are the most frequent cause of equipment failure

Check that the voltage for the machine is matched to the electrical supply; if using a 110 volt machine, a 5 kva transformer 32amp supply is required

Conform to all Health & Safety, electrical and trade association standards; observe site electrical rules; most building sites are strictly 110 volts

Do not drag the machine by the cable or try to disconnect it by tugging the cable

Do not use the electric machine in the rain or wet conditions; use an RCD if the environment is damp

Stop working with the machine if there is any sign of electrical faults or overloading

Keep extension cables as short as possible; ensure cables are not left coiled or on a reel; cables, plugs and sockets should be suitable for site and external work

Always unplug machine when not in use

USE

WARNING! The machine can be a dangerous tool if used incorrectly or carelessly, which can cause serious or fatal injury to the operator or others. Please read the operator's manual carefully and make sure you understand the instructions before using the machine

Always wear: the appropriate PPE

- Approved hearing protection
- Protective goggles or a visor
- Breathing mask
- Wear boots with steel toe-caps and non-slip sole.
- Always wear protective gloves

WARNING! Dust from grinding can cause injuries if inhaled. Use an approved breathing mask. Always work in an area with good ventilation

This product is in accordance with applicable EC directives

By ensuring that this product is taken care of correctly, you can help to counteract the potential negative impact on the environment and people that can otherwise result through the incorrect waste management of this product