

Bench Grinder

DO NOT use this machine unless a teacher has instructed you in its safe use and operation and has given you permission.

REMEMBER

PERSONAL PROTECTIVE EQUIPMENT:



Safety glasses must be worn at all times in work areas.



Long and loose hair must be contained.



Sturdy footwear must be worn at all times in work areas.



Close fitting/protective clothing must be worn



Rings and jewellery must not be worn.



Hearing protection may be required for some operations.

This Safety Operating Procedure does not necessarily cover all possible hazards associated with the machine and should be used in conjunction with other references. It is designed to be used as an adjunct to teaching Safety Procedures and to act as a reminder to users prior to machine use.

Date of last review

Signature

Bench Grinder

SAFETY OPERATING PROCEDURES

Only one person may operate this machine at any one time.

PRE-OPERATIONAL SAFETY CHECKS

1. Check workspaces and walkways to ensure no slip/trip hazards are present.
2. Ensure all guards and safety shields are in position before starting the grinder.
3. Ensure that the wheels do not touch the work rest and that the gap between wheel and rest is no greater than 1.5mm.
4. Check that wheels are running true and are not glazed or loaded.
5. Locate and ensure you are familiar with the operation of the ON/OFF starter.
6. Faulty equipment must not be used. Immediately report any suspect machinery.

OPERATIONAL SAFETY CHECKS

1. Stand to the side of the wheels when starting up.
2. Let the wheels gain maximum speed before starting to grind.
3. Do not grind on the side of the wheel.
4. Small objects must not be held by hand.
5. Never leave the machine running unattended.
6. Do not bend down near the machine whilst it is running.
7. Never force the workpiece against a wheel.
8. Slowly move the workpiece across the face of the wheel in a uniform manner.
9. Coolant spilt on the floor should be immediately absorbed.

HOUSEKEEPING

1. Switch off the grinder.
2. Leave the machine in a safe, clean and tidy state.

POTENTIAL HAZARDS

- Hot Metal
- Sparks
- Noise
- Sharp edges and burrs
- Entanglement
- Wheels 'run on' after switching off
- Eye injuries

FORBIDDEN

- Workpiece must never be held with gloves, cloth, apron or pliers
- Grinding non-ferrous metals

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