

## Bench & Pedestal Grinders

**DO NOT use this machine unless you have been instructed in its safe use and operation and have been given permission.**



Safety glasses and face shields must be worn together at all times in work areas.



CSA-approved footwear must be worn at all times in work areas.



Rings and jewelry must not be worn in work areas.



Long and loose hair must be contained.



Close fitting/protective clothing must be worn in work areas.



Gloves must not be worn in work areas.

### PRE-OPERATIONAL SAFETY CHECKS

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

### 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. Do not hold small objects with hands.
5. Never leave the machine running unattended.
6. Do not bend down near the machine while it is running.
7. Never force the workpiece against the wheel.
8. Slowly move the workpiece across the face of the wheel in a uniform manner.
9. Coolant spilled on the floor should be immediately absorbed.
10. Do not grind non-ferrous materials on the grinder.

### HOUSEKEEPING

1. Switch off the machine and reset all guards to a fully closed position.
2. Leave the machine and surrounding area in a safe, clean and tidy state.

### POTENTIAL HAZARDS

- Hot metals, sparks, sharp edges, and burrs
- Entanglement
- Wheels "run on" after switching off
- Eye or facial injuries
- Sudden wheel disintegration

This SOP 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.