

SAFE OPERATING PROCEDURES

Metal Lathe

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



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



Long and loose hair must be contained.



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



Close fitting/protective clothing must be worn.



Rings and jewelry must not be worn.



Gloves must not be worn when using this machine.

PRE-OPERATIONAL SAFETY CHECKS

1. Check workspaces and walkways to ensure no slip/trip hazards are present.
2. Locate, and ensure you are familiar with, the operation of the ON/OFF starter and emergency stop button.
3. Ensure all guards are in place.
4. Check that the job is clamped tight in the chuck.
5. Remove the chuck key before starting the lathe.
6. Remove all tools from the bed and slides of the machine.
7. Ensure that appropriate speeds and feeds for the machining process are selected.
8. Do not try to lift chucks or face plates that are too heavy for you.
9. Faulty equipment must not be used. Immediately report suspect machinery to your instructor.

OPERATIONAL SAFETY CHECKS

1. Never leave the lathe running unattended.
2. Before making adjustments or measurements, switch off and bring the machine to a complete standstill.
3. Do not attempt to slow/stop the chuck or revolving work by hand.
4. Avoid letting swarf build up on the tool or job. Stop the machine and remove the swarf with a brush.

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

- Flying objects--chuck key left in chuck
- Cutting tool injury when cleaning, filing, or polishing
- Rotating machine parts--entanglement
- Sharp/hot metal chips
- Eye injuries

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.