

RCI Safety Series Passport — Hollow Chisel Mortiser

Student Name: _____

Certification Date: _____, 20____

What should you do before using a hollow chisel mortiser?

Hollow chisel mortisers can be dangerous if not used properly.

- ✓ Operate only with Mr. Ferguson's permission and after you have received proper instruction.
- ✓ Wear appropriate safety glasses.
- ✓ Ensure that the hollow chisel mortiser has a start/stop button within easy reach of the operator.
- ✓ Use a vacuum, brush or rake to remove cuttings.
- ✓ Remove burrs and chips from a drilled hole. When making deep holes, clean out the hole frequently.
- ✓ Always use the clamp to prevent work from moving.
- ✓ Keep drill bits clean and sharp. Dull drills are a common cause of breakage.
- ✓ Keep floor around the hollow chisel mortiser free of oil and grease.
- ✓ Keep the working surface clean of scraps, tools and materials.
- ✓ Keep guards in place and in good working order.
- ✓ The auger bit should extend 1/16" - 1/8" beyond the end of the chisel for clearance.
- ✓ Set depth stop high enough so the chisel will not strike the table at the bottom of the cutting stroke.
- ✓ Make sure the workpiece is securely attached or clamped to the table.
- ✓ Maintain a balanced stance at all times so that you do not fall or lean against the chisel and drill bits or other moving parts

Refer to Woodworking Machines - General Safety Tips for general safety precautions.



What are some things you should avoid doing?

- ✓ Do not wear any loose clothing or ties. Roll sleeves above the elbow to prevent them from being caught in revolving parts. Confine long hair.
- ✓ Do not wear gloves, rings, watches, or bracelets while working with a hollow chisel mortiser.
- ✓ Do not set speeds, adjust, or measure work until machine is completely stopped.
- ✓ Do not leave chuck key in drill chuck. Make adjustments and remove key immediately.
- ✓ Do not place hands under the stock being drilled.
- ✓ Do not stop rotation of chuck and spindle with your hand.
- ✓ Do not remove a broken drill with a centre punch and hammer.
- ✓ Do not leave the hollow chisel mortiser running unattended.
- ✓ Do not overreach or use excessive force to perform any machine operation.

Ensure that you follow all shop safety rules

➡ **Safety First** ⬅