

RCI Safety Series Passport — Band Saw

Student Name: _____

Certification Date: _____, 20____

What should you do before using a band saw?

A band saw can be dangerous if not used properly.

- ✓ Operate only with Mr. Ferguson's permission and after you have received proper instruction.
- ✓ Make sure you understand the instructions before attempting to use any tool or machine.
- ✓ Learn the applications and limitations before use.
- ✓ Securely anchor the band saw to the floor (or a workbench of appropriate height) to reduce vibration.

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

What safety procedures should you follow when using a band saw?

- ✓ Wear safety glasses or a face shield.
- ✓ Wear hearing protection that is suitable for the level and frequency of the noise you are exposed to in the woodworking area.
- ✓ Make sure all guards are in place and properly adjusted. Ensure all band wheels are enclosed.
- ✓ Adjust blade guard height to about 3 mm or 1/8 inch above the top of the material being cut.
- ✓ Ensure the blade is tracking correctly and runs freely in and against the upper and lower guide rollers.
- ✓ Ensure the blade is under proper tension. A band saw equipped with automatic tension control is desirable.
- ✓ Use band saw blades that are sharp, properly set and otherwise suitable for the job (e.g., the right tooth pitch; tooth form; blade width).
- ✓ Hold stock firmly and flat on the table to prevent the stock from turning and drawing your fingers against the blade. Keep hands braced against the table.
- ✓ Use a push stick when you remove cut pieces from between the fence and saw blade or when your hands are close to the blade. Keep your hands on either side of the blade - not in line with the cutting line and the blade. See Woodworking Machines - Push Sticks for more information .
- ✓ Make release (relief) cuts before tight curves when doing intricate scroll-type work.
- ✓ Keep the floor around a band saw clean and free of obstructions or clutter.
- ✓ Keep the machine properly oiled and serviced.
- ✓ Provide adequate lighting at the machine table. A light fixture with a flexible connection can provide essential lighting.



What should you avoid when working with a band saw?

- ✓ Do not use excessive force when pushing the wood past the blade.
- ✓ Do not back the stock away from the blade while the saw is in motion if the work piece binds or pinches on the blade.
- ✓ Do not stop a band saw by thrusting stock against the cutting edge or the side of a blade immediately after the power has been shut off.
- ✓ Do not remove sawdust or cuttings from the table by hand or with compressed air. Use a stick or brush. Do not leave a saw running unattended. Turn off the power and make sure the machine has stopped running before leaving.

Ensure that you follow all shop safety rules

➡ **Safety First** ⬅