

RCI Safety Series Passport — Hand Saw

Student Name: _____

Certification Date: _____, 20____

What should you do before using a hand saw?

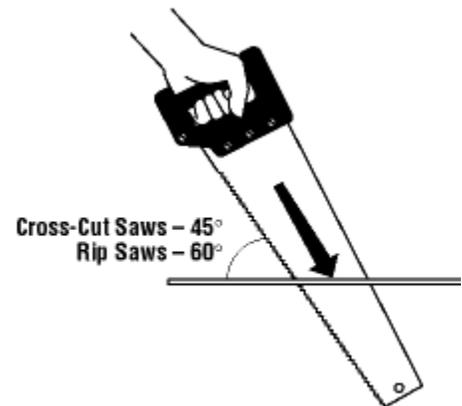
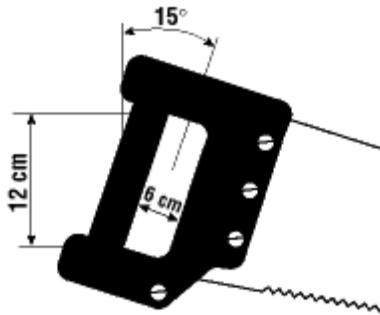
Hand saws can be dangerous if not used properly.

- ✓ Operate only with Mr. Ferguson's permission and after you have received proper instruction.
- ✓ Make sure you understand instructions before attempting to use any tool or machine.
- ✓ Learn the applications and limitations before use.

What should I know about hand saws?

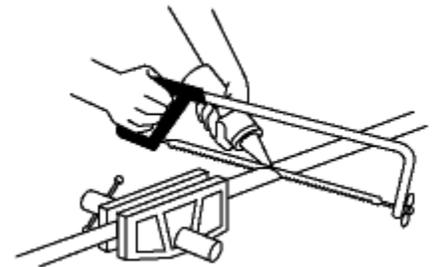
Saws are made in various shapes and sizes and for many uses. Use the correct saw for the job.

- ✓ Wear safety glasses or a faceshield.
- ✓ Select a saw of proper shape and size for stock being used.
- ✓ Choose a saw handle that keeps wrist in a natural position in the horizontal plane.
- ✓ Choose saw with a handle opening of at least 12 cm (5 in.) long and 6 cm (2.5 in.) wide and slanted at a 15° angle.
- ✓ Check the stock being cut for nails, knots, and other objects that may damage or buckle saw.
- ✓ Start the cut by placing your hand beside the cut mark with your thumb upright and pressing against blade. Start cut carefully and slowly to prevent blade from jumping. Pull upward until blade bites. Start with partial cut, then set saw at proper angle.
- ✓ Apply pressure on downstroke only.
- ✓ Hold stock being cut firmly in place.
- ✓ Use a helper, a supporting bench or vise to support long stock if required.
- ✓ Keep teeth and blades properly set.
- ✓ Protect teeth of saw when not in use.
- ✓ Keep saw blades clean.



What should I know about using a hacksaw?

- ✓ Select correct blade for material being cut.
- ✓ Secure blade with the teeth pointing forward.
- ✓ Keep blade rigid, and frame properly aligned.
- ✓ Cut using strong, steady strokes, directed away from yourself.
- ✓ Use entire length of blade in each cutting stroke.
- ✓ Use light machine oil on the blade to keep it from overheating and breaking.
- ✓ Cut harder materials more slowly than soft materials.
- ✓ Clamp thin, flat pieces requiring edge cutting.
- ✓ Keep saw blades clean and lightly oiled.



Ensure that you follow all shop safety rules

➡ Safety First ⬅