

Lumber Smith

Owners Manual

If you are having problems assembling the saw
and need assistance, please contact us at:

804-577-7398
info@lumberSmith.com

Safety Instructions

Failure to follow these instructions can lead to serious injury or death.

General

Band saw sawmills can be dangerous if safe and proper operating procedures are not followed.

As with all machinery, there are certain hazards involved with the operation of the product. Using the machine with respect and caution will considerably lessen the possibility of personal injury.

However, if normal safety precautions are overlooked or ignored, personal injury to the operator may result. Safety equipment such as proper clothing and footwear, goggles, dust masks and hearing protection can reduce your potential for injury.

But even the best guard won't make up for poor judgment, carelessness or inattention. Always use common sense and exercise caution in the workshop. If a procedure feels dangerous, don't try it.

Contributing to your danger, the environment in which you are working could cause major distractions. Stop. Think. What will be your reaction if you spot a snake while cutting a log? In these instructions we cannot think of all of the hazardous situations you may find yourself in. The hazardous situations we list are but a few of all of the possibilities. You are the one who must take charge of your safety and the ones around you.

REMEMBER: Your personal safety is your responsibility.

This machine was designed for certain applications only. Woodwrights, LLC does not recommend that this machine not be modified and/or used for any application other than that for which it was designed.

SAFETY RULES

1. **FOR YOUR OWN SAFETY, READ INSTRUCTION MANUAL** before operating the sawmill and learn the tool's application and limitations as well as the specific hazards peculiar to it.
2. **Always operate with the blade cover in place and secured.**
3. **Always store with the orange blade guard covering the blades.**
4. **Always wear eye protection.**
5. **Check all bolts, oil level etc.** Form a habit of checking to see that no bolts have worked loose during a previous operation.
6. **KEEP Cutting area clean.** Slab wood, hammers and chainsaws placed near the saw invite accidents.
7. **DON'T USE IN A DANGEROUS ENVIRONMENT.** Don't use sawmills in damp, wet or icy conditions. Don't operate on a hill with more than a 5 degrees of slope. Work in good light.
8. **KEEP CHILDREN AND VISITORS AWAY.** All children and visitors should be kept a safe distance from work area.
9. **Store the saw in a childproof area** with padlocks. If such space is not available, remove the spark plug wire or disable the machine.
10. **DON'T FORCE TOOL WHILE CUTTING.** It will do the job better and be safer at the feed rate for which it was designed.

11. **WEAR PROPER APPAREL.** Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry to get caught in moving parts. Nonslip, closed toe footwear is a must. Wear protective hair covering to contain long hair.
12. **ALWAYS USE SAFETY GLASSES.** Wear safety glasses. Everyday eyeglasses only have impact resistant lenses; they are not safety glasses. Also use face or dust mask if cutting operation is dusty.
13. **SECURE LOGS WELL.** Use clamps, wedges, nails and screws to secure logs to the track. Merely holding a log with your legs is unsafe.
14. **DON'T OVERREACH.** Keep proper footing and balance at all times.
15. **MAINTAIN TOOLS IN TOP CONDITION.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
16. **DISCONNECT SPARK PLUG WIRE** before servicing or changing/sharpening blades.
17. **USE ONLY RECOMMENDED ACCESSORIES.** The use of improper accessories may cause hazards or risk of injury to persons.
18. **NEVER STAND ON TOOL.**
19. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to ensure that it will operate properly and perform its intended function - check for alignment of moving parts, binding of moving parts, breakage or cracking of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
20. **NEVER, NEVER LEAVE TOOL RUNNING UNATTENDED.** Turn power off and do not leave the tool until it comes to a complete stop.
21. **DRUGS, ALCOHOL, MEDICATION.** Do not operate the sawmill while under the influence of drugs, alcohol or any medication.
22. **WARNING:** The dust generated by certain woods and wood products can be injurious to your health. Always operate machinery in well ventilated areas and provide for proper dust removal.

**WARNING: FAILURE TO FOLLOW THESE RULES MAY
RESULT IN SERIOUS PERSONAL INJURY**

ADDITIONAL SAFETY RULES FOR BAND SAWS.

1. **WARNING:** Do not operate your band saw until it is completely assembled according to the instructions.
2. **IF YOU ARE NOT** familiar with the operation of band saws or other such machinery, ask a sales representative for safety advice and tips.
3. **ALWAYS WEAR EYE PROTECTION.**
4. **NEVER** turn the machine “**ON**” before clearing the area of all objects (tools, scrap pieces, etc.) that could cause a tripping hazard.
5. **MAKE SURE** the blade tension and blade tracking are properly adjusted.
6. **ALWAYS** keep hands and fingers away from the blade.
9. **CHECK** for proper blade size and type.
10. **HOLD saw** firmly and feed into a log or cant at a moderate speed.
11. **TURN OFF** machine if the material is to be backed out of an uncompleted cut.
12. **DO NOT** remove jammed cut-off pieces until blade has stopped.
13. **STOP** the machine after each cut or before removing material.
14. **AVOID** awkward foot positions where a sudden slip could cause you to fall toward the machine.
15. **DO NOT** cut material that is too small to be safely supported.
16. **ALWAYS** maintain proper adjustment of blade tension, blade guides, and blade support bearings.
17. **SHOULD** any part of your band saw be missing, damaged, or fail in any way, or any electrical component fail to perform properly, shut off and replace missing, damaged, or failed parts before resuming operation.
18. **THE USE** of unapproved attachments and accessories not recommended and may result in the risk of injuries.
19. **ADDITIONAL** information regarding the safe and proper operation of this product is available from the National Safety Council, 1121 Spring Lake Drive, Itasca, IL 60143-3201, in the Accident Prevention Manual for Industrial Operations and also in the Safety Data Sheets provided by the NSC. Please also refer to the American National Standards Institute ANSI 01.1 Safety Requirements for Woodworking Machinery and the U.S. Department of Labor OSHA 1910.213 Regulations.
20. **SAVE THESE INSTRUCTIONS.** Refer to them often. The combination to your lock is 1-2-3. The numbers will align to the line along the front of the lock. Always affix the lock to the spoke of your drive wheel when you leave the saw unattended. Doing so will impede unauthorized sawmill use.

ADDITIONAL SAFETY CONSIDERATIONS.

The saw setup

Are the tracks level? It is not necessary for the track to be perfectly level. However, it should be sufficiently level so that the saw does not roll away by itself. Side to side the tracks should be sufficiently level so that the saw cannot tip over.

Tracks may either be well supported on flat level ground or on cross members if the ground is uneven. If you use cross members, are the tracks fastened to the cross members? The track must be fastened to the cross members to prevent the track from lifting out of a cross member when the weight of the saw is on the extreme end of the track.

Does the track have stops at the end? Stops at the end of the track prevent the saw from rolling off of the end of the track.

Are the track cross members well supported? The track cross members should be sufficiently supported so that no movement of the track can occur while cutting a log.

Adjusting the saw

Stop the engine while making height (board thickness) adjustments.

Some blade adjustments require the cover to be removed and the engine to be slowly cranked. Stop the engine and remove the spark plug wire when making these adjustments. Observe safety precautions elsewhere in this manual. Make sure that the saw is in proper operating condition with bolts properly tightened.

Proper clothing

Think of proper clothing in from two perspectives. 1) Your clothing may contribute to your danger. 2) Your clothing may offer you protection.

Clothing can contribute to your danger by having straps or ties that can get caught in the machinery. For example a draw string on a hood could get caught in the teeth of the blade and pull your face into the blade.

Clothing that may offer you protection includes but is not limited to the following: Heavy gloves to protect your hands from the sharp teeth of the band. Heavy gloves may protect your hand from burns on the engine muffler. Eye protection may protect you from any debris kicked up by the blade. Ear protection may protect you from engine noise. Other safety clothing may be necessary because of the type of work you may be doing, i.e., lumbering with a chain saw, using a tractor, etc. Think of clothing as a second line of defense for protection. Your first line of defense is to avoid the danger.

The people around you

No one should stand in front of the saw while the saw is in operation. Bystanders should stand well back from the sawing operation. The sawing operation is no place for children. Children can endanger you (as well as themselves) by distracting your attention from your work. The people around you must be advised of the dangers of a band saw sawmill. Keep animals away from the work area.

You and the people around you must be free of fatigue, the influence of alcohol and drugs and be of good physical fitness.

The work area must be clear of obstacles and debris that can cause tripping hazards. It must have adequate light.

Working With The Blade.

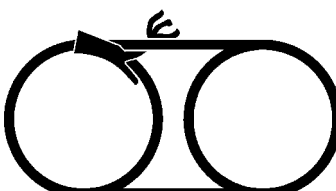
Unpacking a blade

Safety: a folded blade is like a coiled up spring with sharp teeth, it can unfold with force and cut anyone around it. Put on gloves and face protection and open the blade carefully.

Replacing a blade.

To change a blade, disconnect the spark plug wire. Release the tension on the blade via the blade tensioner. Slide the stainless steel motor mount in to provide slack in the blade. Remove the cover. Tie a line around the top of the casting to prevent the blade from coming off the wheels in an uncontrolled manner. Remove the blade from the wheels. Remove the line. Place the blade aside where it cannot be stepped on. Install the new blade, again tying a piece of line around the casting for safety. Tension the blade as outlined in the Assembly Manual. Crank the engine to make sure the blade tracks properly. Remove the line. Replace the cover. Connect the spark plug wire.

	⚠ DANGER
	Sharp cutting blade. Blade can sever body parts . Stand behind saw during operation. Read safety instructions.

	⚠ WARNING
	Moving parts can crush and cut. Do not operate with cover removed. Replace cover before operating saw.