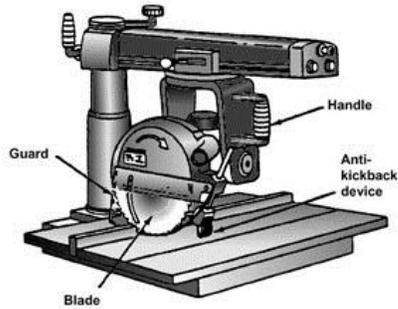


Radial Arm Saw



Source: *Concepts and Techniques of Machine Safeguarding*, OSHA

The Radial Arm Saw is a power tool used to make quick, accurate crosscuts. To avoid accidents the following operational safety rules must be observed by everyone working on the GWG Radial Arm Saw. **Failure to be certified or to follow the safety rules will result in loss of shop privileges.**

Radial Arm Saw Safety Rules:

Warning: This saw can be dangerous. Most accidents and kickbacks are caused by the failure of the operator to follow existing rules!

Boards can be cut on this saw ONLY IF: they are firmly supported by the saw table and firmly supported against the back fence on both sides of the saw blade with no rocking.

1. Wear proper apparel. Remove loose fitting clothing, jewelry and tie back long hair. Do not wear gloves.
2. Wear hearing and eye protection.
3. Be sure the saw is in good working order, the blade sharp and guards are in place and working freely.
4. Be aware of others around you. Stop the saw if involved in conversation.
5. Never overreach. Don't have your body in the path of the saw direction.
6. Never saw cross-arm. Never reach around the saw.
7. A two foot perimeter around the saw should be kept clear of people and debris that impair traction or footing to avoid slips and falls.
8. Unplug the saw before adjusting or doing maintenance.
9. Do not force the saw. Never try a free-hand cut. If the saw begins to bind or operations do not seem normal,
SHUT OFF THE SAW.
10. Check boards for foreign objects and cut only one piece at a time.
11. Hands must be kept at least **NINE** inches from the blade at all times. Do not have body parts within this distance while the saw is plugged in.
12. Give the work your undivided attention.
13. Never leave a running saw unattended.

Operational Rules:

Sign in on "Operator Log" before using the Radial Arm Saw.

Turn on the dust collector, be sure the gate is open.

Be sure the wood is firmly supported securely against the fence and the saw table.

Make sure blade is not in contact with material before starting this saw.

Keep in mind that as you pull toward you, through the stock, that the blade's rotation is cutting away from the body. This will push sawdust away from the user, but also can cause the saw to lurch forward as it cuts through the stock. With this in mind, keep a firm grip on the handle and don't let the saw determine the speed of the cut.

Begin a cut with the saw head against the rearward stop and the blade behind the guide fence.

Turn the saw on, **wait until the saw reaches full speed** and then pull the saw head through the wood, toward yourself to complete the cut.

Stand on the handle side and pull the cutting head with the hand nearest the handle and maneuver the stock with the other hand.

Make sure the hand holding the stock is **NEVER** in line with the blade.

Never begin a cut until the saw blade has reached it's maximum speed and be certain to control the speed of the cut, which will not only be safer, but will produce better cutting results. Always double-check to be sure that the hand holding the stock against the fence is clearly away from the path of the blade.

Always wait until the blade has stopped spinning after a cut to move the blade or the stock.

After use, push the blade back toward the fence. Make sure materila has not shifted sideways on saw.

Never free-hand any work on a radial-arm saw

Return the cutting head completely to the back of the saw table after each cut.

Never force the blade – always cut in a firm & steady fashion.

Never "Rip Cut" material.

Turn off the dust collector,& close the port. Clean up your area.