



DO NOT use this machine unless a teacher has instructed

you in its safe use and operation and has given permission.



Safety glasses must be worn at all times in work areas.

Long and loose hair must be contained.



Appropriate footwear with substantial uppers must be worn.

Close fitting/protective clothing must be worn.



Rings and jewellery must not be worn.

Hearing protection must be worn when using this machine.

PRE-OPERATIONAL SAFETY CHECKS

1 Ensure the saw is properly secured to a worktable by bolts/ clamps at approximately hip height.

2 Ensure the saw is operated on an RCD protected circuit.

This SOP should be used in conjunction with Education Policy and Procedures Register (EPPR) -
HLS-PR-012: Curriculum Activity Risk Management Modules

Acknowledgement: Much of the information for this document has been sourced from content kindly provided by Department of Education & Children's Services SA website : Machine Guarding - Safe Operating Procedures.

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3 Use abrasive cut off wheels with the correct size arbor hole.

4 Use abrasive cut off wheels which have a maximum safe operating speed greater than the “no load RPM” marked on the machine’s nameplate.

5 Before each use inspect the cut off wheel for chips and cracks.

6 Check workspaces and walkways to ensure no slip/trip-hazards are present.

7 Ensure all guards are in place, in working order, and in proper adjustment and alignment.

8 Ensure the depth stop is properly adjusted.

9 Ensure you are familiar with the operation of the ON/OFF starter.

10 Keep table and work area clear of all tools and off-cut material.

11 Faulty equipment must not be used. Immediately report suspect equipment.

OPERATIONAL SAFETY CHECKS

This machine and abrasive wheel is not intended to cut wood or wood products.

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- 1 **Ensure all adjustments to machine are secure before making a cut.**
- 2 **Do not hold a workpiece by hand. Workpiece will become very hot while being cut.**
- 3 **Use the vice to clamp the work and properly support the over-hanging portion or the workpiece level with the base of the machine.**
- 4 **Do not use a length stop on the free off-cut end of a clamped workpiece.**
- 5 **Allow the machine to reach full speed before contacting the workpiece.**
- 6 **Do not have any part of your body in line with the path of the abrasive disc.**
- 7 **Ease the abrasive disc against the work piece when starting to cut. Do not force tool.**
- 8 **Keep hands away from cutting area. Do not attempt to remove cut material while wheel is moving.**
- 9 **After finishing the cut, release the switch, hold the saw arm down and wait for the disc to stop before removing work or off-cut piece.**
- 10 **Disconnect the plug from the power source and bring the machine to a complete standstill before making any adjustments.**

HOUSEKEEPING

- 1 **Ensure ventilation openings and switch levers are kept clean and free of foreign matter.**
- 2 **Leave the machine in a safe, clean and tidy state.**

POTENTIAL HAZARDS

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☐ **Metal sparks** ☐ **Noise** ☐
Sharp metal burrs

☐ **Contact with rotating disc** ☐ **Eye injuries** ☐ **Burns**
from workpiece

FORBIDDEN

☐ **Do not grind on the side of abrasive cut off wheels**

- 1 For operation of the chop saw, a full face shield and safety glasses are required. Operators should always wear safety glasses under a full face shield.
- 2 Gloves, loose clothing, jewelry, or any dangling objects including long hair should not be worn as they may catch in the rotating parts of the saw.
- 3 All guards must be in place and operating. If a guard seems slow to return to its normal position or hangs up, adjust it or repair it immediately. Unplug or lockout power when making repairs.
- 4 Hands and fingers must be kept clear of the path in which the blade travels.
- 5 Clean the lower guard frequently to help visibility and movement. Unplug before adjusting or cleaning.
- 6 Use only the recommended RPM and sizes of blades.
- 7 Regularly check and tighten the blade and the blade-attachment mechanism.
- 8 Prior to installing or changing a blade, be sure to lockout or unplug equipment. Ensure that the blade and its related washers and fasteners are correctly positioned and secured on the saw's arbor.
- 9 To avoid losing control or placing hands in the blade path, hold or clamp all material securely against the fence when cutting. Do not perform operations freehand.
- 10 Never re-cut small pieces. Long material should be supported at the same height as the saw table.
- 11 Never place hands or fingers in the path of the blade or reach in back of the fence.
- 12 Use the brake if one is provided. To avoid contact with a coasting blade, do not reach into the cutting area until the blade comes to a full stop.
- 13 After completing a cut, release the trigger switch and allow the blade to come to a complete stop, then raise the blade from the workpiece. If the blade stays in the cutting area after the cutting is complete, injury can result from accidental contact.

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