







# SMSA – Safe Work Procedure

## ABRASIVE CUT OFF SAW



**DO NOT use this machine unless you have been instructed in its safe use and operation and have been given permission**

### PERSONAL PROTECTIVE EQUIPMENT

-  Safety glasses must be worn at all times in work areas.
-  Long and loose hair must be contained.
-  Hearing protection must be worn.
-  Sturdy footwear must be worn at all times in work areas.
-  Close fitting/protective clothing must be worn.
-  Rings and jewellery must not be worn.

### PRE-OPERATIONAL SAFETY CHECKS

- ✓ Locate and ensure you are familiar with all machine operations and controls.
- ✓ Ensure all guards are fitted, secure and functional. Do not operate if guards are missing or faulty.
- ✓ Ensure the saw is properly secured to a worktable by bolts/clamps at approximately hip height.
- ✓ Ensure the saw is operated on an RCD protected circuit.
- ✓ Use abrasive cut off wheels with the correct size arbor hole.
- ✓ Use abrasive cut off wheels with a maximum safe operating speed greater than the "no load RPM" marked on the machine's nameplate.
- ✓ Inspect the cut off wheel for chips and cracks.
- ✓ Check workspaces and walkways to ensure no slip/trip-hazards are present.
- ✓ Ensure the depth stop is properly adjusted.
- ✓ Keep table and work area clear of all tools and off-cut material.







### OPERATIONAL SAFETY CHECKS

- ✓ Ensure all adjustments to machine are secure before making a cut.
- ✓ Use the vice to clamp the work and properly support the over-hanging portion of the workpiece level with the base of the machine.
- ✓ Allow the machine to reach full speed before contacting the workpiece.
- ✓ Ease the abrasive disc against the workpiece when starting to cut.
- ✓ Keep hands away from the blade and cutting area.
- ✓ 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.
- ✓ Before making any adjustments, disconnect the plug from the power source and bring the machine to a complete standstill.









### CLEANING UP

- ✓ Remove foreign material from in and around ventilation openings and switch levers.
- ✓ Leave the machine in a safe, clean and tidy state.

### POTENTIAL HAZARDS AND INJURIES

-  Metal sparks.
-  Noise.
-  Sharp metal burrs.
-  Contact with rotating disc.
-  Eye injuries.
-  Burns from hot workpieces.

### DON'T

-  Do not use faulty equipment. Immediately report suspect equipment.
-  Do not grind on the side of abrasive cut off wheels.
-  Do not cut wood or wood products.
-  Do not hold a workpiece by hand, as it will become very hot while being cut.
-  Do not use a length stop on the free off-cut end of a clamped workpiece.
-  Do not have any part of your body in line with the path of the abrasive disc.
-  Do not force the tool into a cut.
-  Do not attempt to remove cut material while disc is moving.

**This SWP does not necessarily cover all possible hazards associated with this equipment and should be used in conjunction with other references. It is designed as a guide to be used to compliment training and as a reminder to users prior to equipment use.**

*This information is provided by Frontline Safety*