

## SAFE OPERATING PROCEDURES

# Horizontal Metal Bandsaw

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



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



Long and loose hair must be contained.



CSA approved footwear must be worn at all times in work areas.



Close fitting/protective clothing must be worn.



Rings and jewelry must not be worn.



Hearing protection may be required for some operations.

### PRE-OPERATIONAL SAFETY CHECKS

1. Check workstation and walkways to ensure no slip/trip hazards are present.
2. Locate and ensure you are familiar with the operation of the ON/OFF starter and emergency stop button.
3. Check that all guards are in position.
4. Ensure hydraulic damping mechanism functions.
5. Check that the blade is in good condition.
6. Ensure that blade speed, blade tension and blade tracking are properly adjusted.
7. Check coolant delivery system to allow for sufficient flow of coolant.
8. Faulty equipment must not be used. Immediately report suspect machinery to your instructor.

### OPERATIONAL SAFETY CHECKS

1. Lift the head of unit up and lock it in the upward position.
2. Set the angle of the vise, or check it to ensure its squareness.
3. Clamp work piece firmly into the vise. Long material must be supported.
4. Adjust blade guards to cover unused portion of blade. Be sure the blade is above the work.
5. Ensure hands are away from the blade, and then turn the machine on.
6. Allow the upper head assembly to come down slowly until the teeth are cutting the material.
7. Do not push down on the saw while it is cutting.
8. Keep hands away from the point of operation during cutting.
9. Turn off the machine and bring it to a complete standstill if the blade is to be lifted out of an uncompleted or jammed cut.
10. Stop the machine and bring it to a complete standstill before removing scrap pieces from the vise area or making adjustments.
11. Stop the saw immediately if the blade develops a 'click'. Report it to your instructor.
12. Ensure the cutting head is locked in the upward position before removing work piece from vise.

### HOUSEKEEPING

1. Switch off the saw and reset all guards to a fully closed position.
2. Leave the machine and surrounding area in a safe, clean, and tidy state.

This SOP does not necessarily cover all possible hazards associated with the machine and should be used in conjunction with other references. It is designed to be used as an adjunct to teaching Safety Procedures and to act as a reminder to users prior to machine use.