

Mill Safety

Prior to using a mill, you **must** receive basic shop safety training and equipment specific training before using this tool. You **must** wear appropriate PPE and follow all shop rules. Refer to the manufacturer's operating manual for all operating procedures.

General Mill Safety

- Keep all guards in place while operating the machine.
- While operating the milling machine allow no one else to touch it.
- Keep hands away from moving cutting tools.
- Always use cutters which are sharp and in good condition.
- Always use the proper cutting fluid for the material being cut.

Before Starting the Mill

- Cutting tools must be securely fastened in the machine spindle with the proper accessory. Never try to tighten cutting bits or tools by hand.
- Work pieces and stock must be rigidly fastened to the mill bed with clamps, a vise, or special fixtures.
- Make sure the cutting tool is clear of the work piece before starting the machine.
- Make sure cutter is rotating in the proper direction before cutting material.

While in Operation

- Use appropriate speeds and feeds for the type and size of cutter being used and the material being machined.
- Do not make measurements of the stock while the milling machine is powered.
- Always stay at the machine while it is running.
- Use the milling machine spindle brake to stop the spindle after the power has been turned off.

Housekeeping and Maintenance

Housekeeping

- **Do not allow** large quantities of chips to accumulate around the work piece or machine table. After stopping the machine, use a brush or rag to remove all excess chips from the mill bed and stock.
- **Do not** place anything on the milling machine table such as wrenches, hammers, or tools.

Maintenance

- Follow EHS Guideline [Lock-out/Tag-out – Control of Hazardous Energy Sources](#) if making repairs or servicing.
- **Do not** power the machine to tighten or loosen cutting bits or tools.
- Before cleaning the mill, remove cutting tools from the spindle to avoid cutting yourself.
- Use a rag or Kevlar gloves to handle sharp cutting tools.

Revision History

REVISION #	DATE	REVISION #	DATE	REVISION #	DATE	REVISION #	DATE
Original	8/17/18						
(New							
Format)							
