

Indicating a Vise Lesson Outline

1. Introduction of the lesson- Explaining the goal of indicating the milling machine vise
 - a. Displaying all of the equipment needed to complete the task
 - b. Briefly explaining (reviewing) what each tool is used for and how it works
 - c. Safety considerations
2. Getting started
 - a. Stoning the table to ensure it is flat
 - b. cleaning and stoning the underside of the vise to ensure flatness
 - c. Demonstrate how to safely lift the vise and place it on the table of the mill.
 - d. Positioning the mounting bolts, centering and tightening the vise.
 - e. Mounting the indicator to the head of the mill.
3. Demonstrate indicating procedure
 - a. Explain how to align the indicator by hand
 - b. Review use of the power feed.
 - c. Show the indicator reading of the vise initially.
 - d. Demonstrate how to “tap” the vise to align it.
 - e. Explain proper reading of the indicator.
4. Closure- Summarize everything that was done in the lesson and explain the next lesson briefly.