Module Five: Milling Operations

Introduction to Fabrication Hands on Activity

Below are a few activities you will need to complete for the milling operation module. You are also required to create a simple part. Find those instructions toward the end of this document. A supplementary video and instruction manual is online.

Activity one: Mill Cutting Operations

This activity will ask you to draw cutting operations. Make sure to label axis clearly w rotation of the cutter and the feed direction. An example of the

drawings is found in the online presentation, they can be very basic. Use the space below to draw to the best of your ability the operations specified.
SLOT MILLING:
PLUNGE MILLING:
END MILLING:

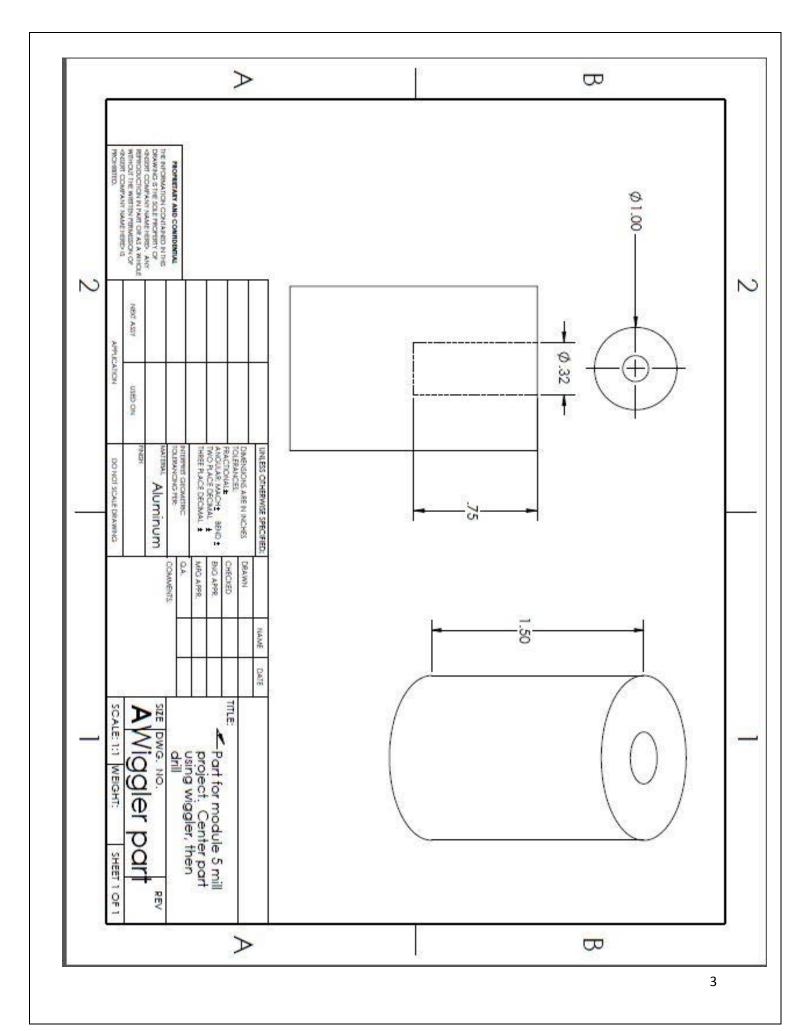
Activity two: Milling Cutter Identification

Found inside the toolkit will be two milling cutters, labelled "A" and "B." You will need to identify the type of cutter with its basic name and then give a very brief description of what that type of cutter might be used for IE, end milling, cutting contours, and basic plunging operations.

Cutter	Type of Cutter	Brief Description of cutter and where it might
Identification		be used
A		
В		

Activity 3: Use a Wiggler and Create a Part

On the next page is a part you are required to create for this class. Detailed instruction are included on the mill module page in another presentation. This activity will be completed in Shiley110 using the miniature mill. Use safe practices!



I have completed the tasks and module to the best of my ability on my own:					
	Signature				
	Date				