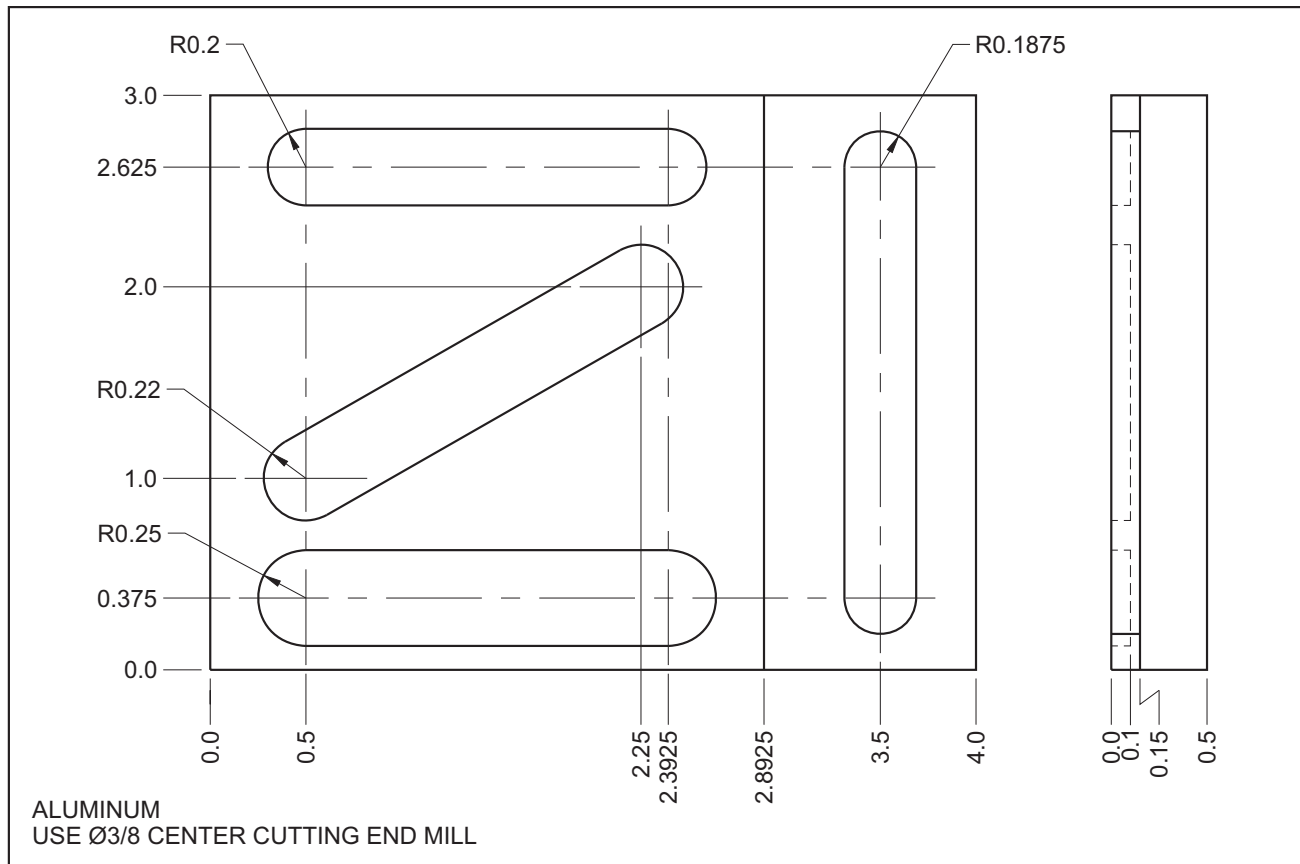


Peripheral milling is also known as *contour* milling. For various reasons, such as surface finish quality, cutter radius offset application and work clearances, the cutting tool (usually an end mill) cannot start directly *on* the contour, but must start *away* from it. The motion from this initial position to the contour itself is called a *lead-in* motion. The same method applies when the tool leaves the contour, in a *lead-out* motion.

This programming project requires a CNC program that will rough out and finish three slots and one spigot. Use a $\varnothing 3/8$ end mill on aluminum, and program the roughing and finishing contours with lead-in and lead-out motions.



Reference:

Chapter 32 Peripheral Milling
Chapter 33 Slots and Pockets