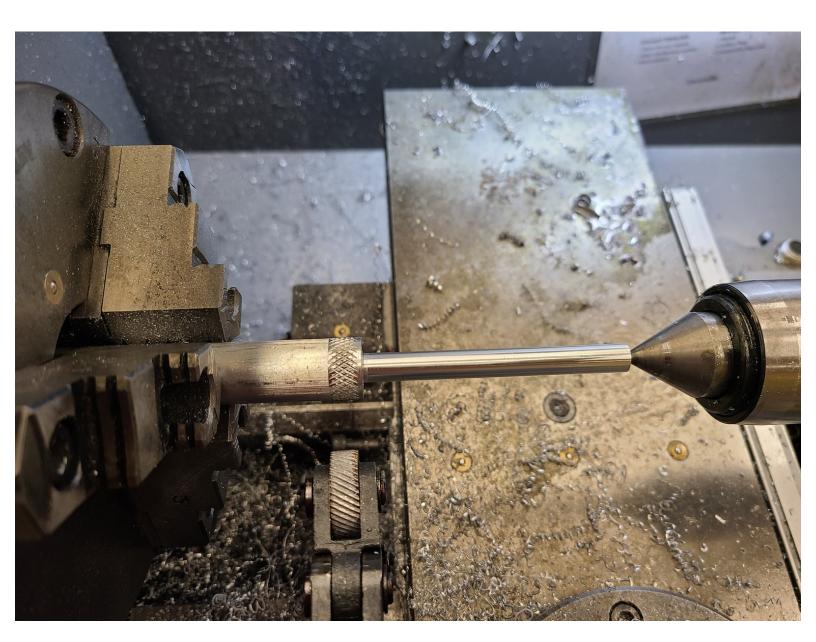


IFL Training Shift 07-2: Lathe (Simple Part)

Written By: Kenny Davis Jr



Introduction

- As part of your onboarding with the lathe, you will create a tool clamp post from 3/4" aluminum stock. It consists of 1 piece, done in four operations.
- The engineering drawing that you will follow to make the part are attached on the lathe. They will also be linked in this guide
- If you have any questions while completing the part, feel free to ask and SLM or LC in the lab!

Step 1 — Waterjet Tool Post







- The waterjet tool post will be completed in three checkpoints, pictures from each checkpoint will be included for reference.
- Checkpoint 1: Turning down the clamp holder part of the tool post and knurling the handle (Picture 1). This step requires the <u>face turning tool</u> and <u>knurling tool</u>.
- **Checkpoint 2:** Turning down the threaded section of the tool post (Picture 2). This step requires the <u>face turning tool</u>.
- Checkpoint 3: Threading the tool post (Picture 3). This step requires the <u>10-32 Die</u>.