

GRT Shop Safety Training 22-23: Mill

In-Class Handout (Do this during class):

1. Before machining, always apply _____ to _____, only apply _____ to _____ when _____.
2. Always _____, _____, and _____ a part before submitting it to qc.
3. Mill operations are typically used to machine _____ and _____.
4. _____, _____, _____, _____, and _____ go directly into the collet.
5. _____ are used for facing operations, the process of removing material from an edge of the workpiece.
6. _____ are used with the DRO to create zeros relative to the edges of a part and map locations for other operations.
7. Before clamping a part in the vise, use _____ if the surface of the part needs to be elevated, and wipe _____ and _____ off of the vise, parallels, and your part.
8. The maximum pass for facing is _____.
9. Use _____ milling for facing and only use _____ milling on finishing passes/bringing the tool back.
10. As you get closer to a desired length, _____ and _____.
11. Steps for clean up: _____, _____, and _____.
12. When edge finding, offset the measurements by _____, represented by _____.
13. Spindle speeds are _____ for facing, _____ for drilling, _____ for center drilling, and _____ for edge finding.
14. For Rocky, only change the speed when _____.
15. Tools for drilling: _____, _____, and _____.
16. The maximum size for drilling (without a pilot) is _____.
17. Before drilling, always _____ and _____.
18. When drilling, always _____ to prevent large chips from developing.
19. Tools for tapping: _____, _____, and _____.
20. When tapping, perform _____ turn clockwise, then _____ turn counter-clockwise.