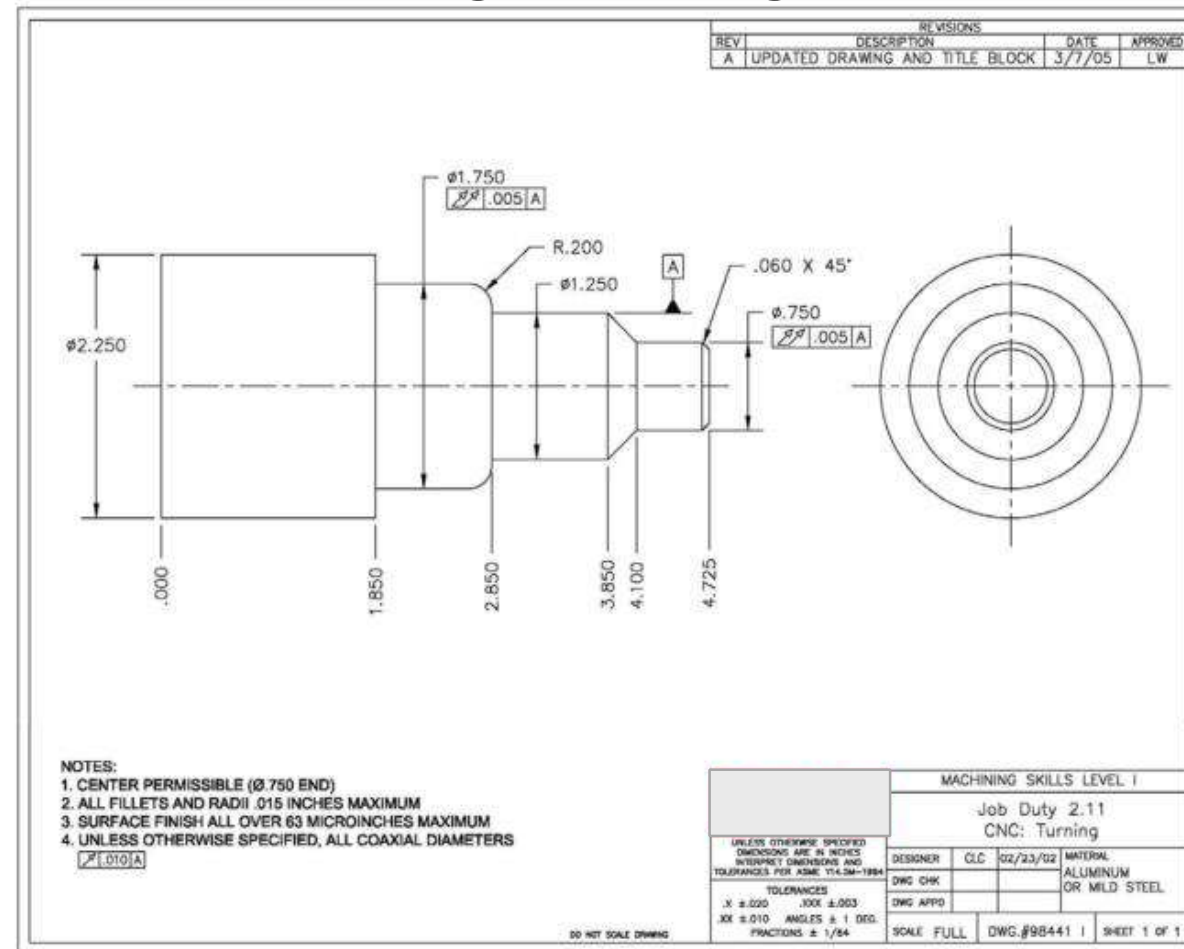


Metrology Exercise Form –Part 1

Understanding Drawings and Measurements



Purpose

To define dimensions by reading and understanding a component drawing and apply simple measuring tools for dimensional quality checks.

Group challenge

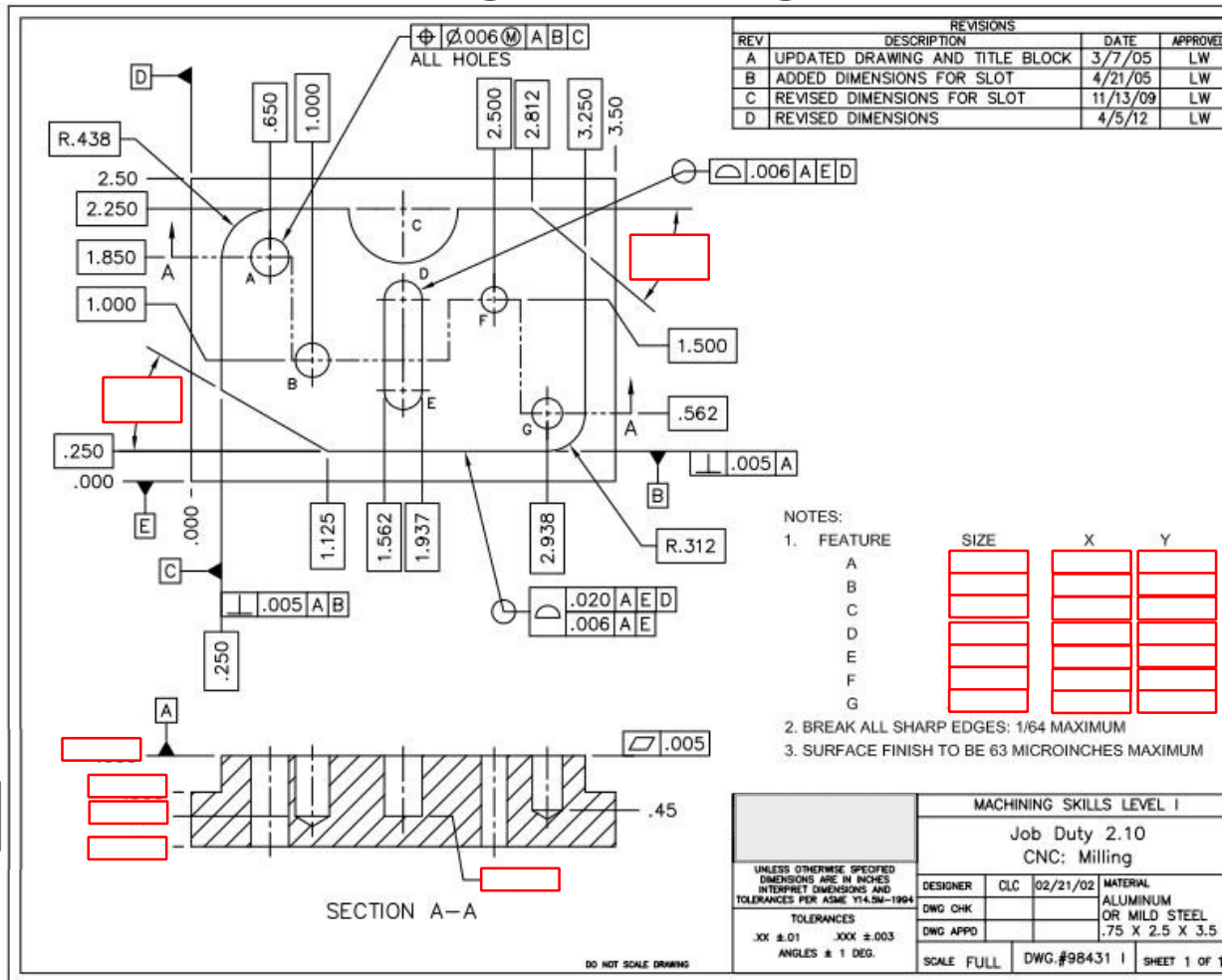
1. Review component drawing and understand title block, dimensions and tolerances, Notes and Revisions
2. Answer below questions
3. Check / confirm Total Runout where indicated, per drawing.

Questions

1. What is the Material? _____
2. What is the unspecified XXX place tolerance? _____
3. What Surface finish is required on this part? _____
4. What was the last revision date? _____
5. What diameter is datum "A" ? _____
6. What is the Total Runout? _____

Metrology Exercise Form – Part 2

Understanding Drawings and Measurements



Purpose

To define dimensions by reading and understanding a component drawing and apply simple measuring tools for dimensional quality checks.

Group challenge

- Review component drawing and understand title block, dimensions and tolerances, Notes and Revisions
- Check / confirm all missing dimensions where indicated by a red outlined box, per drawing.
- Check / confirm all Perpendicular surfaces where indicated, per drawing.

Questions

- What is the Perpendicular?

From datum "B" to "A" _____

From datum "C" to "A&B" _____