

ENGINEERING DRAWING BASICS

Learn the Best Practices for Working with Parts, Prints, and Tolerances

Section 1: Intro to Engineering Drawings

- Types of Drawings and How they are Used
- Goal of an Engineering Drawing

Simulators

- Most Important Parts of a Drawing

Section 2: Data & Information System

- Field of View
- Title Block
- General Drawing Notes
- Revision Block
- Bill of Materials
- Exercise #1: Data and Information

Drawing

Section 3: Graphics & Visualization System

- Part Geometry Lines
- Orthographic Views – Viewing a 2D to 3D
- Exercise #2: Orthographic Visualization
- Common Drawing Views
- Section Views
- Descriptive Dimension Lines
- Exercise #3: Drawing Views & Lines

Section 4: Symbols & Callouts System

- New Unit! Future Lessons: January 4th, 2021

Section 5: The Part Tolerancing System

- Introduction to Tolerances
- Inch vs Metric Dimensions
- Different Types of Dimensional Tolerances
- Coordinate Dimension Tolerances
- Exercise #4: Dimensioning & Tolerancing

Section 6: Review & Next Steps

- Engineering Drawing Basics Final Exam (online)
- Further Review: Drawing Examples of Interpretation / Application Bonus Recordings
- New Review Lesson - Intro to GD&T: January 4th, 2021

Online course access includes live weekly example webinars and our large library of real part examples where we show how to apply specific content from the course.

We promise, once you take our training & understand our GD&T framework, you will drastically improve the way you work with your drawings. We don't want you to just understand theory – we want you to apply what you learn!

GD&T Basics – Pareto Learning, LLC

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