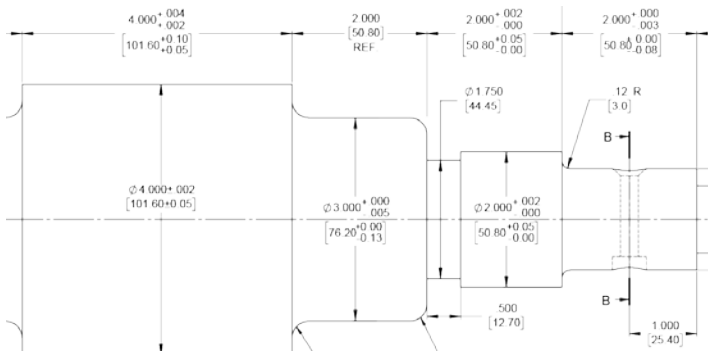


MEASUREMENTS: BASIC CONCEPTS

eLearning courses designed to increase productivity and profits



Learning made Simple, Visual, and Interactive

This course is designed to provide inspectors and beginning engineers with an overview of general concepts that are helpful for the measurement process. The course begins with a discussion on how to read decimal places like a machinist, followed by an introduction to understanding tolerance and fit.

Credit Hours **1**

Learning Objectives

- 💡 Understand how to pronounce decimal places like a machinist.
- 💡 Recognize the different types of tolerances.
- 💡 Distinguish between the two types of fit that are important for measurements.

Table of Contents

I. Shop Talk: Reading the Decimal Place

- Metric
 - o Metric Grouping Video
 - o Metric Grouping Step-By-Step
- Imperial (U.S. Standard)
 - o Imperial Grouping Video
 - o Imperial Grouping Step-By-Step

II. Understanding Tolerance and Fit

- Tolerance
 - o Bilateral Tolerance
 - o Unilateral Tolerance
- Fit
 - o Slip Fit
 - o Interference Fit

