

## Practice Your GD&T Skills With ETI's Geometric Dimensioning and Tolerancing Workbook



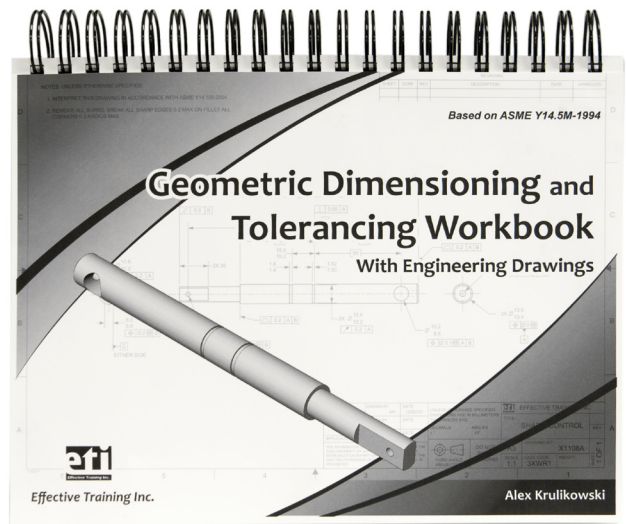
The Geometric Dimensioning and Tolerancing Workbook With Engineering Drawings was developed by Alex Krulikowski, an expert on geometric tolerancing and a member of several national tolerancing committees. As a design manager with one of the world's largest manufacturing corporations, Alex gained more than 30 years of industrial experience putting GD&T to practical use on the shop floor.

Alex has a degree in industrial vocational education and has been teaching GD&T for more than 20 years. Because he understands how to apply adult learning principles, all of his books and courses utilize a series of goals and objectives that reinforce concepts and produce measurable results.

Practice interpreting GD&T on industrial drawings can help you interpret GD&T on the job. ETI's *Geometric Dimensioning and Tolerancing Workbook* (ASME Y14.5M-1994) provides hours of practice applying GD&T skills to engineering drawings.

The 204-page workbook can be used in the classroom as a reinforcement to ETI's Fundamentals of GD&T course. It can also be used after the class is complete, because interpreting actual drawings will give students extra practice applying concepts taught in the classroom.

The *GD&T Workbook* is also the perfect companion to ETI's *Fundamentals of GD&T* textbook. It reinforces the goals and objectives taught in the book as you work through more than 450 practice problems. You'll gain experience with typical industrial engineering drawings as you learn to apply GD&T concepts through questions that apply specifically to the drawings.



The workbook contains 28 sections with practice problems that help you learn the terms, symbols, modifiers, rules, and basic concepts of geometric tolerancing as prescribed in ASME Y14.5M-1994. Exercise questions cover:

- Interpreting Engineering Drawings
- Understanding Why GD&T is Superior to Coordinate Tolerancing
- Recognizing Key Terms
- Identifying Modifiers and Symbols Used in GD&T
- Understanding Rules #1 and #2
- Recognizing GD&T Concepts
- Interpreting Flatness, Straightness, Circularity, and Cylindricity
- Specifying and Interpreting Planar Datums, Datum Targets, and Size Datums (RFS and MMC)
- Interpreting Perpendicularity, Angularity, Parallelism, and Position (RFS/MMC/LMC)
- Drawing Cartoon Gages
- Interpreting Tolerance of Position Special Applications
- Calculating Part Distances and Fastener Formulas
- Interpreting Concentricity, Symmetry, Circular Runout, Total Runout
- Interpreting Profile Tolerancing, Profile of a Surface, and Profile of a Line



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For more details about the GD&T Workbook, call 1-800-886-0909, or visit [www.etinews.com](http://www.etinews.com) today.

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Questions refer to content in the *Fundamentals of GD&T* textbook, by Alex Krulikowski, and are designed to let you gain practice using GD&T in the same manner you would on the job. Drawings include adaptors, retainers, shafts, plates, pulleys, housings, and more.

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NOTES: UNLESS OTHERWISE SPECIFIED  
1. INTERPRET THIS DRAWING IN ACCORDANCE WITH ASME Y14.100-2004

THIS DRAWING MAY CONTAIN INTENTIONAL ERRORS

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The *Geometric Dimensioning and Tolerancing Workbook* can be used:

- As a companion to the *Fundamentals of GD&T* textbook
- During workshops for practice at the end of each lesson
- After class to practice newly learned concepts
- Anytime you need to review and brush up on GD&T skills
- As a companion to the *GD&T Trainer* computer-based training
- As a companion to ETI's *Fundamentals of GD&T* web-based training

Order the *GD&T Workbook* through ETI's website, where you can also see more sample pages and details. The workbook and ETI's *Ultimate GD&T Pocket Guide* are also included with the student materials in every ETI *Fundamentals of GD&T* onsite and public workshop.

**Order this valuable on-the-job reference.**

The *Ultimate Pocket Guide on Geometric Dimensioning and Tolerancing* is a handy reference tool in one convenient pocket-sized package. Carry it with you on the job and have a resource to all your GD&T questions at your fingertips.

The pocket guide's 77 information-packed pages contain definitions and drawings that illustrate concepts, explanations of symbols and modifiers, rules and topics, and information-packed charts. It's also available in a Spanish-language version. Order one for every member of your team.



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