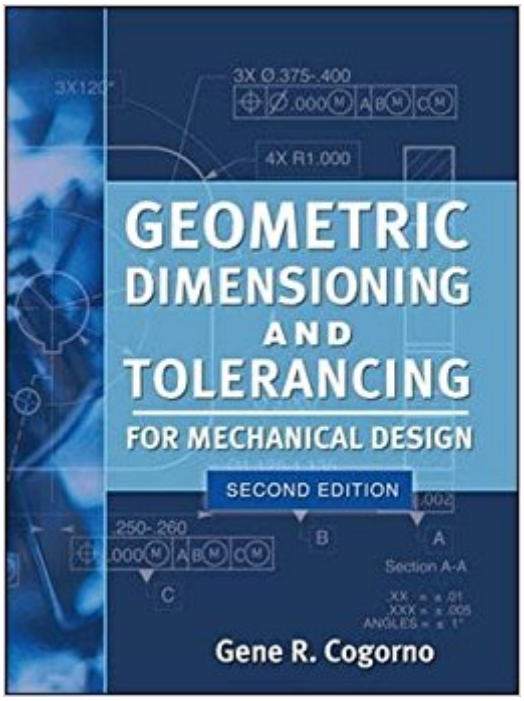
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Geometric Dimensioning And Tolerancing For Mechanical Design 2/E (Mechanical Engineering)



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Synopsis

AN UP-TO-DATE GUIDE TO GEOMETRIC DIMENSIONING AND TOLERANCING Written in accordance with the latest revision of the geometric dimensioning and tolerancing (GD&T) stanedard, ASME Y14.5-2009, this book teaches the principles and practical applications of GD&T in an easy-to-understand manner. Geometric Dimensioning and Tolerancing for Mechanical Design, Second Edition, begins the discussion of each control with a definition, and then describes how the control is specified, interpreted, and inspected. Detailed drawings illustrate the topics discussed. Study questions and problems at the end of each chapter emphasize key concepts and serve as a self-test. Ensure the proper assembly of parts, improve quality, and reduce costs with help from this authoritative resource. Coverage includes: * Dimensioning and tolerancing fundamentals * Symbols, terms, and rules * Datums * Form--flatness, straightness, circularity and cylindricity * Orientation--perpendicularity, parallelism, and angularity * Position--general, location, and coaxially * Concentricity and symmetry * Runout * Profile * Graphic analysis * Strategy for tolerancing parts

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Customer Reviews

Gene R. Cogorno is a professional educator, speaker, and author with more than 30 years of experience in education and training. He teaches courses in geometric dimensioning and tolerancing and tolerance analysis and instructs technical courses in blueprint reading fundamentals

and inspection techniques.

Supremely written especially in comparison to many other available resources. This book is great for someone new to GD&T as well as those already familiar who would like a deeper understanding

Book goes into great depth about application, interpretation, and inspection of geometric tolerance. It has a great format that is easy to follow and it's illustrations are not overly simplistic nor colorfull and convoluted. In general the book is succinct and to the point. Remember however that GD&T is an art form and thus it's application can vary.

As a new student to GD&T, I find this text to be helpful with its chapter review questions, end of chapter summaries and illustrations of the symbols and how they are used. The author also explains how some GD&T concepts can be misconceived and warns the reader of these issues by further explanation and illustration.

As a professional engineer, but not an expert drafter, I have often had difficulty deciphering and applying GD&T. After reading this book everything was much more clear. I now use it as a reference when I have to apply GD&T to a drawing and am not sure exactly the right approach.

Easy to follow layouts, great details with working examples. The author builds understanding by linking information from earlier chapters and providing multiple solutions to problems.

Clarifies concepts pretty simple

great book and simply and clear explanations. The only downside is that there is no answer for all the questions at the end of each chapter.

Very good.

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