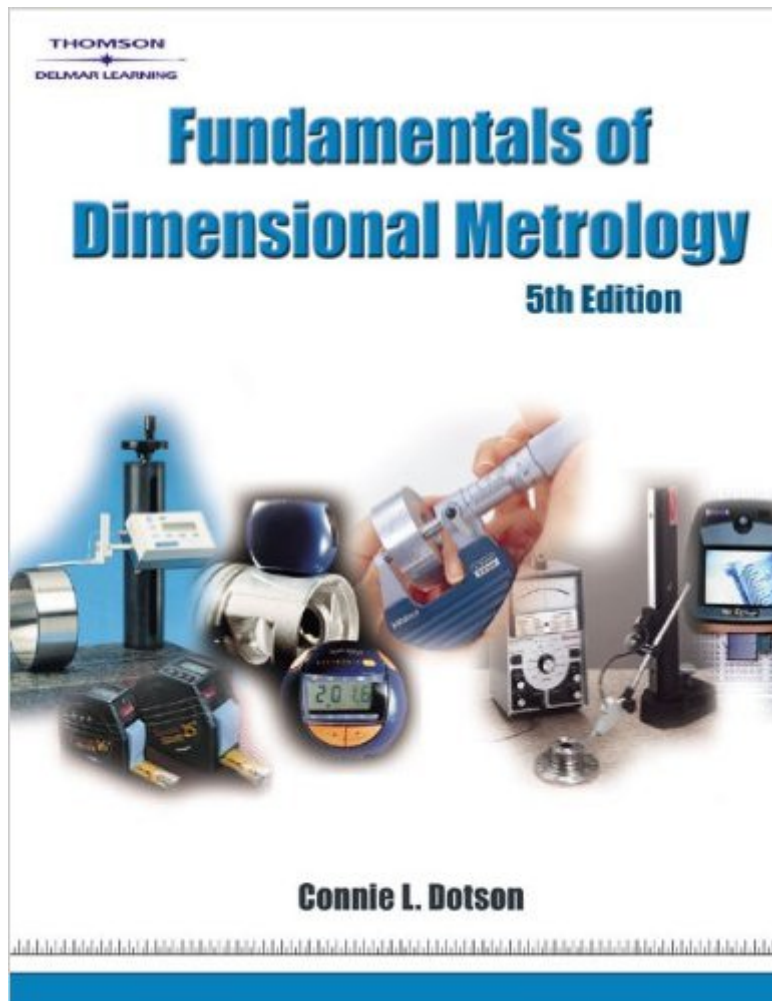


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# Fundamentals Of Dimensional Metrology



## Synopsis

In modern industrial environments where responsibility for quality control is being placed upon individual workers, the understanding of dimensional metrology principles is becoming increasingly important. That's why the fifth edition of our best-selling *Fundamentals of Dimensional Metrology* book offers a direct path to understanding and applying the principles, techniques, and devices used within the dimensional metrology field today. This edition uses both the Metric and Imperial systems, yet emphasizes Metric measurement devices and concepts in all examples for greater consistency with the latest industry trends. Information on particular devices and concepts, previously presented in separate chapters, has been combined to improve the logical flow of the material. New chapter-end review questions have also been added to eliminate the potential for ambiguity, allowing readers to gauge their understanding as they progress through the book.

## Book Information

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## Customer Reviews

Very dry reading. Of all my CNC class books, this one is definitely the most boring to read. The graphics could be better, as well. An example, there is a diagram of a engine lathe. There were tons of names and arrows to the parts, however, the diagram was so small, you needed a magnifying glass to see what they were pointing at. Either explode some parts, then label them, or have the diagram take up the entire page.

This book was a syllabus requirement for one of my quality assurance classes. It was a simple book

to learn from, as there were several drawings and illustrations explaining several dimensional metrology factors. The chapters are pretty much spelled out with each section focusing on a different metrology subject matter. A book on this subject matter can be intimidating to read especially for those who are just starting out with learning about the subject. The author does a great job explaining everything through wording and illustrating which shows the author really does know metrology very well. I was very pleased with this book and I still use it as a reference to this day.

As some others have said, this book would be great for hobbyists. There's a wealth of information in it that is invaluable to machinists, metrologists, engineers and the like. That said, I'm not a hobbyist - I'm a student. As of this writing (Spring 2013), Morrisville State College uses this book for their Dimensional Metrology course. As a teaching aid, this book is awful. The questions are vague - poorly worded, and with little indication if several answers are desired (as is often the case). The chapters are poorly organized. If you need to go back into a chapter to look for specific information, good luck finding it. This book tries to pander to English and Metric units, and it does so poorly. Sometimes, it will address English first and then (the next paragraph, perhaps) Metric. Other times, it will do the opposite. There are still other times when it tries to tackle both at once, and it renders passages of the book unreadable. The writing style of the book is the horrible love-child of "incredibly dry" and "get to the point!". There's lots of superfluous wording and anecdotes, and all of it is a chore to plod through. Originally written in the 1960's, the Band Aids applied over the years certainly show. Many of the images ("Figures", in book-speak) have captions only tangentially related to them. The image may have things labeled A, B, C, etc. on it, but the labels are never addressed anywhere else in the text. If you're someone that \*wants\* to learn about dimensional metrology, I'm sure you could overlook this book's flaws. For people that \*need\* to learn it, these flaws are inexcusable, especially at this price point.

Very hard to read this book. It runs on an on an on.... Takes 3 pages to say what could be said in a paragraph. This book was for a College class. 4th Chapter thought I was reading a foreign language.

Something as straightforward as dimensional metrology should not be ambiguous. The author must have really hated writing this book (I admit, it is an incredibly dull subject). The review questions are not well written and don't really help in relating to the material and are frustrating at best. The

subject matter is correct for the most part, however there is contradicting information and many typos throughout.. the first few chapters make this obvious immediately. I can't recommend this book to anyone. I'm sure there are better books out there for this subject. The best way to learn the fundamentals of dimensional metrology is to get hands on time with all of the tools.. This just shows lots of pictures and theories on how and when to use them.

I rented this textbook because the price for a new copy, and even a used one, were outrageous. I noticed as well that students from the previous term were eager to sell their copies--it wasn't a book they wanted to keep or thought would be a useful reference in the future. The end-of-chapter quizzes sometimes presented questions about material not covered in the chapter, and some of the "correct" answers were debatable or confusing, even to our instructor. I know I was not alone in finding the book difficult to read--others in the class also found it a to be a fantastic sleep aid. I did find some information in it to be useful and enlightening, but I am also glad to be through with it. There must be a better resource out there on this topic.

Needed the book for college a couple of years ago. It did the job just fine.

This book needs to be completely scrapped and rewritten from scratch by someone who reads their own definitions and illustrations. Example: The definition of "resolution" refers to hand width at one point, to band width at another point, and the drawings contradict both of these. A plea: Would someone who has experience in the field please write a better book?

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