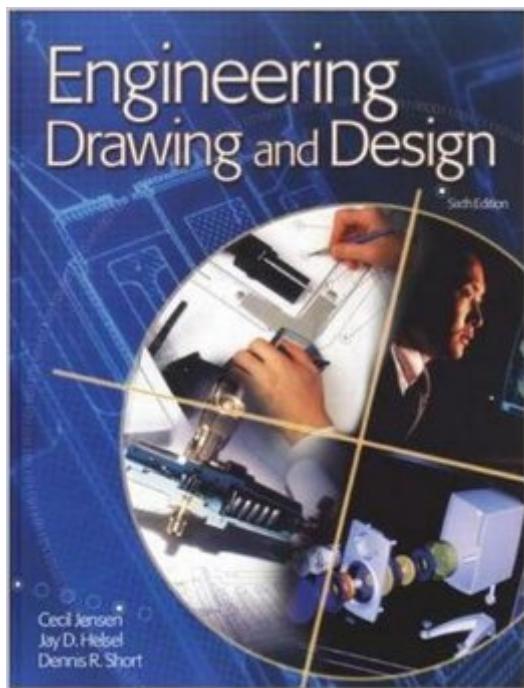


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# Engineering Drawing And Design Student Edition 2002



## **Synopsis**

"Engineering Drawing and Design" provides students with current, state of the art technical approaches to creating and providing technical drawings. This edition offers increasing coverage of digital preparation, and the storage and retrieval of technical drawings. Students and instructors will have computer access to problems and drawings in the student text, related workbook and a Student Tutorial CD-ROM. The support materials include the Instructors Wraparound Edition (IWE), Workbook Solutions Manual, Instructor Management System and the Instructor Productivity Center CD-ROM.

## **Book Information**

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## **Customer Reviews**

Having started in engineering as a draftsman more than 40 years ago, I have seen them all ... and in my humble opinion this is the best book of its kind ever written. The authors, Jensen and Helsel, have bypassed most of the fluff, like how to sharpen your pencil, and go directly to the heart of the matter. They have packed more pertinent, practical how-to information and technical reference data in this book than you will find in any other five books of its size. The book is easy to read, and to find specifically what you need. Proper and in-depth coverage is given to the very latest in drafting standards in both metric and inch systems; including limits and fits, geometric tolerancing, shop practices, and also standard parts. I started using this first edition of this book more than 20 years ago, and have found no other to compare with it, or any of the succeeding editions. If I had only one book to take with me to the job, it would be this one.

This book is what engineering is really all about- actually designing machinery and mechanical components to fill a need. I know that is why I got into the game several decades ago. Yet with all the management, scheduling, quoting, and clerical chores that are piled on engineers and engineering departments these days, it is easy to lose sight of why you chose this career in the first place. In fact, that's the only thanks you ever get in a largely thankless profession- the joy of occasionally getting to design something that works. This book is a rarity, it works as both an introductory text, as a design text, and as a life long reference book. I've taken mine along on many an assignment long after I had discarded lesser texts and references to save weight. You get the fundamentals of how to produce a useful, working, engineering drawing that the shop can actually use to produce a part (you would be amazed at how many CAD "experts" cannot do this.) Then you get detailed information on industrial processes and materials (casting, forging, cold heading, powder metallurgy, extruding, roll forming, electroforming, welding, plastic injection, etc.) Plus you get a good intro to standard design components like all types of fasteners, bearing, seals, couplings, clutches, speed reducers, etc.) Then, you also get excellent basics in speciality areas like sheet metal development, piping, jig and fixture design, fluid power, and structural drafting. The sections on beam equations, trusses, and strength of materials are quite clearly written and requires only a working knowledge of trig. You top it off with an appendix that covers everything from conversions and fastener specs to fit types and geometric tolerancing. Whenever I get disgusted and start to question why I am still doing this after so many others have gotten out, I pick up this text and flip through it. It reminds me that America used to be known as the land of engineers- real engineers.

I decided to order this item, since I work in the Engineering field, as a reference guide. The text book was in excellent condition and has already paid dividends in making my job a little easier and helping me be more knowledgeable with some of the designs I work with on a daily basis. The condition of this item was even "Better Than I Expected". Bravo to and its sellers!

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