



Engineering Drawing and Design, Fourth Edition

ISBN 13: 978-1-4180-2987-6, 10: 1-4180-2987-4

Authors:

David A. Madsen, David P. Madsen, J. Lee Turpin

Published by: Cengage Learning Inc.

For over than twenty years, students have relied on *Engineering Drawing and Design* for its easy-to-read, comprehensive coverage of drafting and design instruction that complies with industry standards. The Fourth Edition continues its tradition of excellence with a multitude of actual quality industry drawings demonstrating content coverage, and the addition of new problems to the hundreds already on-hand for real world, practical application.

The engineering design process featured in this revision contains all-new material following an actual product design from concept through manufacturing, and a wide variety of new design problems for challenging applications or for use as team projects.

Other enhancements include updated coverage of CADD standards, CADD applications, 3D CADD, solid modeling, parametric applications, Civil Drafting and more.

Additional features include: updated to US National CADD standards, current ANSI, ASME, and related standards; dozens of new relevant CADD applications illustrate how the use of CADD is streamlining the design and drafting process; step-by-step instructions for applying manual and computer-aided drafting techniques prepare users for any design environment; explains how to prepare drawings from engineering sketches by providing the basic guides for layout and arrangement in a knowledge-building format; additional engineering drawing and design chapters and appendices have been provided on the accompanying CD and include Fluid Power, Engineering Charts and Graphs, Math Applications and ASME/ANSI exercises.