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Jig And Fixture Design, 5E (Delmar Learning Drafting)



Synopsis

By emphasizing similarities among types and styles, Jig and Fixture Design, 5E speeds readers to a complete understanding of the why's and how's of designing and building a variety of different workholders for manufacturing. From simple template and plate-type jigs to complex channel and box-type tooling, this newly revised edition features more than 500 illustrations of tools and applications to spur readers to success. All-new sections on assembly tools, handling tools, and catalog reading enable readers to develop important skills. Specific examples of various jigs and commercially available fixtures also appear to guide readers in developing their understanding of how design principles, as well as the latest design and manufacturing technologies, are being applied in the construction of jigs and fixtures today. As in past editions, heavy emphasis is placed on the economics of jigs and fixtures, including methods and formulas for use in estimating workholder costs. A solid background in industrial processes, as well as machine shop technology, is assumed.

Book Information

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Preface Section 1 - Basic Types & Functions of Jigs and Fixtures 1 - Purpose of Tool Design 2 - Types and Functions of Jigs and Fixtures 3 - Supporting and Locating Principles 4 - Clamping and Workholding Principles 5 - Basic Construction Principles Section II - Considerations of Design Economics 6 - Design Economics 7 - Developing the Initial Design 8 - Tool Drawings Section III -

Designing and Constructing Jigs and Fixtures 9 - Template Jigs 10 - Vise-held and Plate Fixtures 11 - Plate Jigs 12 - Angle-Plate Jigs and Fixtures 13 - Channel and Box Jigs 14 - Vise-Jaw Jigs and Fixtures Section IV - Specialized Workholding Topics 15 - Power Workholding 16 - Modular Workholding 17 - Welding and Inspection Tooling 18 - Low-Cost Jigs and Fixtures 19 - Tooling for Numerically Controlled Machines 20 - Setup Reduction for Workholding 21 - Tools Materials Appendix

Edward Hoffman is a leading scholar in humanistic psychology, and has been writing and lecturing on topics related to emotional well-being, higher motivation, and spirituality for more than 30 years. He is an Adjunct Associate Psychology Professor at Yeshiva University in New York City, where he created its popular course on positive psychology. A senior editor of the Journal of Humanistic Psychology, Dr. Hoffman received his degrees from Cornell University and the University of Michigan-Ann Arbor.

This text is directed towards students or professionals new to jig and fixture design. The author covers a broad range of fixturing and workholding principles without delving into advanced topics. I would recommend this text for someone new to the trade, but it was not much use to me as a seasoned designer.

This is a great text to get new engineers and designers up to speed and on the right track for tool design. A really great course. Any mechanical engineer should have a copy too.

Covered a wide variety of aspects when it comes to designing jigs and fixtures.

Was a little outdated but gave the principles of the subject. A few minor errors in some of the questions and review at the end of each chapter.

Save yourself the money and buy this one over the American version for 1/4 the price. It's exactly the same thing and yes it's in English.

EVERYTHING IS THE SAME AS THE AMERICAN EDITION.

had a set of extra wide pages that were ripped together, like they got stuck in the book printer, but if

that is what is required to buy this book here for \$57.00 rather than at school for \$184.00 I'm all for it.

the item is what I paid for. this item give me everything to know about jig and fixture. yes, recommend to cnc starter

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