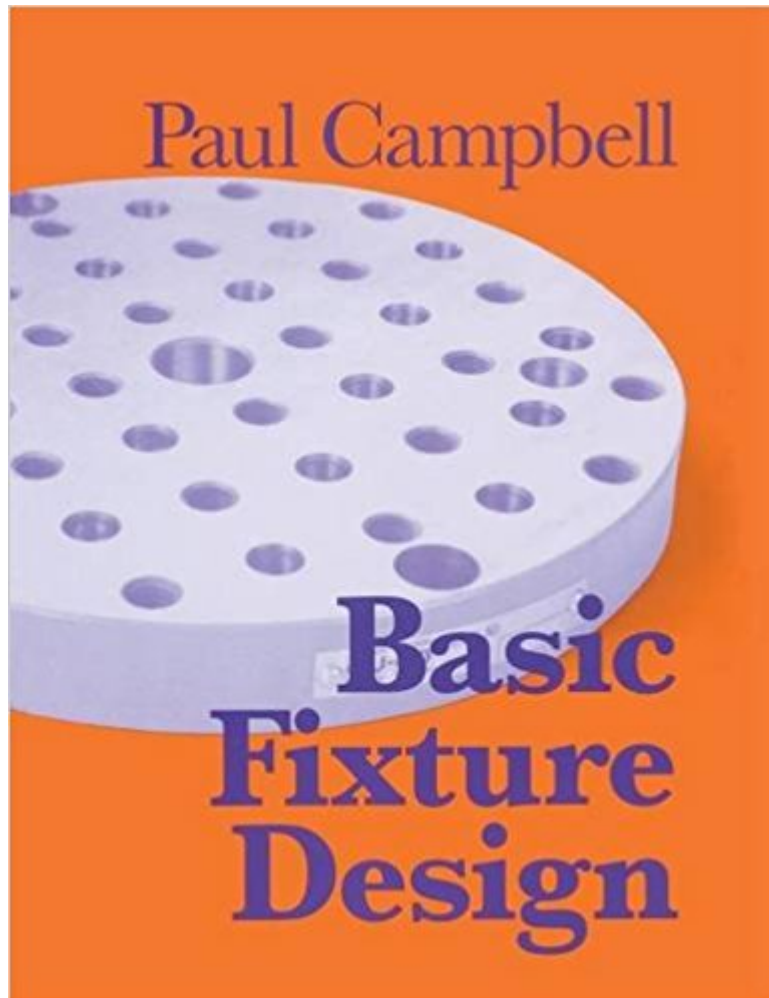




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Basic Fixture Design



Synopsis

Uses basic terms to explain fixture design. Focuses on actual tooling procedures throughout. Provides a full understanding of the design and application of fixture tools and checking fixtures, welding fixtures and procedures, three-dimensional space in checking compound warped surfaces, measurement systems, and the simple mathematics required. This Print-on-Demand version replaces the ISBN 978-0-8311-0207-4. This lavishly illustrated introduction to fixture design takes the reader from concept to building. It details the mechanics, materials used, commercially available components, design procedures, and economics.

Book Information

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Average Customer Review: 4.2 out of 5 stars 5 customer reviews

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Customer Reviews

I did get some more fixture insights from it. But I wish it was written more from a machinist's point of view. The insights on sheet metal check fixtures was interesting, but I would have appreciated more CNC fixture examples.

Great book.

This book was the textbook required for the MT264 Fixture Design course at Kishwaukee College in Illinois. This is a straightforward, easy to read textbook, but slightly outdated in relation to today's drafting and manufacturing techniques. CAD and CNC were in their infancy when this book was

written, but if you use the book just for theory of practical fixture design then you will get a lot out of it. The book includes questions after each chapter to test your comprehension, and, handily, answers to the questions are provided for the lazier among us. The last chapter is fairly humorous, and the author gives some personal insights and recommendations on how to comport yourself in an engineering office. Some of the advice includes avoiding the "infidels" in the department who might be troublemakers, not drinking and drugging excessively, and some other delightfully quaint advice that makes the author sound like he was raised in the 1880's. Overall, a good introduction to fixture design, but those looking to make a career out of designing tools, dies and fixtures will definitely want to supplement this text with some more up to date information. A solid 4 star book if it's regarded purely as an introduction to the wonderful world of design engineering.

We are using this book in classes of devices design in the technological graduate course of mechanical with emphasis in manufacturing. The contents helps to understand the principles to design devices that are used in clamping workpieces, and some basics concepts that will be useful in control devices to inspection. I recomend to graduate and technicians students.

The author does a good job of giving basic, practical information on fixture design without getting too technical. The writing style is very easy to read.

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