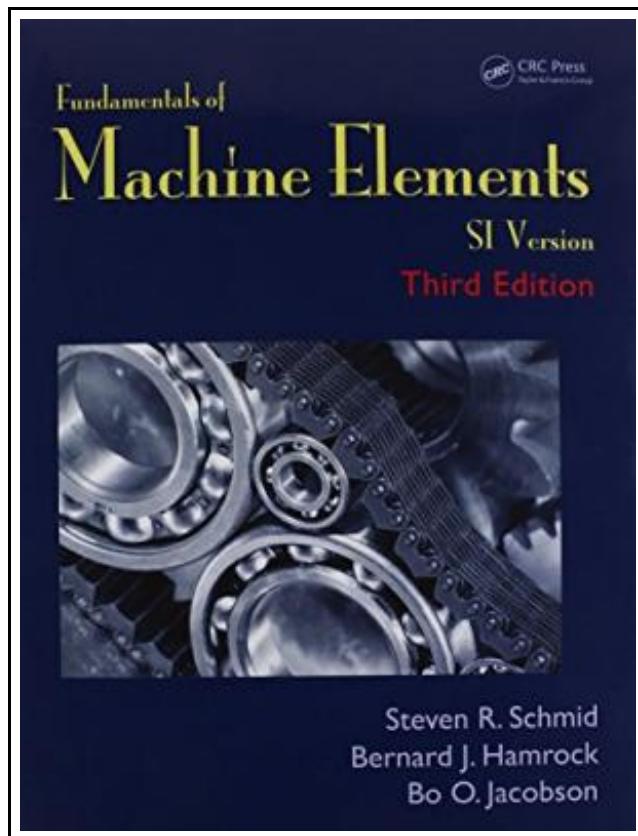


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Reviews

It is really an incredible publication which I actually have possibly read through. It really is written in easy phrases and not confusing. Once you begin to read the book, it is extremely difficult to leave it before concluding.

(Jodie Wehner)

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Apple Academic Press Inc. Paperback. Book Condition: new. BRAND NEW, Fundamentals of Machine Elements, Third Edition: SI Version (3rd Revised edition), Steven R. Schmid, Bernard J. Hamrock, Bo O. Jacobson, New and Improved SI Edition-Uses SI Units Exclusively in the Text Adapting to the changing nature of the engineering profession, this third edition of Fundamentals of Machine Elements aggressively delves into the fundamentals and design of machine elements with an SI version. This latest edition includes a plethora of pedagogy, providing a greater understanding of theory and design. Significantly Enhanced and Fully Illustrated The material has been organized to aid students of all levels in design synthesis and analysis approaches, to provide guidance through design procedures for synthesis issues, and to expose readers to a wide variety of machine elements. Each chapter contains a quote and photograph related to the chapter as well as case studies, examples, design procedures, an abstract, list of symbols and subscripts, recommended readings, a summary of equations, and end-of-chapter problems. What's New in the Third Edition: * Covers life cycle engineering * Provides a description of the hardness and common hardness tests * Offers an inclusion of flat groove stress concentration factors * Adds the staircase method for determining endurance limits and includes Haigh diagrams to show the effects of mean stress * Discusses typical surface finishes in machine elements and manufacturing processes used to produce them * Presents a new treatment of spline, pin, and retaining ring design, and a new section on the design of shaft couplings * Reflects the latest International Standards Organization standards * Simplifies the geometry factors for bevel gears * Includes a design synthesis approach for worm gears * Expands the discussion of fasteners and welds * Discusses the importance of the heat affected zone for weld quality *...



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