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Offers instruction in manufacturing engineering management strategies to help the student optimize future manufacturing processes and procedures. This edition includes innovations that have changed management's approach toward the uses of manufacturing engineering within the business continuum.

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Shigley 's Mechanical Engineering Design is intended for students beginning the study of mechanical engineering design. Students will find that the text inherently directs them into familiarity with both the basics of design decisions and the standards of industrial components. It combines the straightforward

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focus on fundamentals that instructors have come to expect, with a modern emphasis on design and new applications. The ninth edition of Shigley ' s Mechanical Engineering Design maintains the approach that has made this book the standard in machine design for nearly 50 years.

Offering a broad-based review of the factors affecting the design, assembly and behaviour of bolted joints and their components in all industries, this work details various assembly options as well as specific failure modes and strategies for their avoidance. This edition features material on: the contact stresses between bolt head or nut face and the joint; thread forms, series and classes; the stiffness of raised face flange joints; and more.

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