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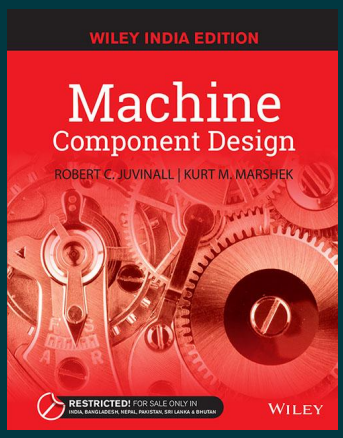

Machine Component Design

By Robert C. Juvinall, Kurt M. Marshek

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Description

Considered a standard in the course, Juvinall and Marshek's Machine Component Design continues to focus on the fundamentals of component design -- free body diagrams, force flow concepts, failure theories and fatigue design, with applications to fasteners, springs, bearings, gears, clutches and brakes. Problem-solving skills are developed by the implementation of a proven methodology which provides a structure for accurately formulating problems and clearly presenting solutions. The fifth edition includes additional coverage of composites, the material selection process and wear / wear theory, along with new and updated examples and homework problems.

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