



Design Engineers Case Studies and Examples

By Keith L. Richards

Taylor Francis Inc, United States, 2013. Paperback. Book Condition: New. 251 x 175 mm. Language: English . Brand New Book. The Engineering Council (UK) have reported an encouraging increase in the applications for Engineering Technician (Eng. Tech) registration, both from applicants following a work-based learning program and individuals without formal qualifications but who have verifiable competence through substantial working experiences and self-study. Design Engineers Case Studies and Examples has been written for these young engineers. The contents have been selected on typical subjects that developing engineers may be expected to cover in their professional career and gives solutions to typical problems that may arise in mechanical design. The subjects covered include the following: * Introduction to stress calculations * Basic shaft design * Beams under bending * Keys and spline strength calculations * Columns and struts * Gears * Material selection * Conversions and general tables.

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