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Now substantially revised and improved, this invaluable handbook provides engineers and technicians with more than 5,000 direct and related calculations for solving day-to-day problems quickly and easily. The book covers 13 disciplines--including civil, architectural, mechanical, electrical, electronics, control, marine, and nuclear engineering--enabling readers to become familiar with procedures in fields apart from their own. The third edition features a major new section on environmental engineering, plus increased emphasis on environmental factors in the other 12 disciplines.

Mechanical Engineer's Data Handbook provides a comprehensive yet concise set of information relevant in the practice of mechanical engineering. The book is comprised of eight chapters that cover the main disciplines of mechanical engineering. The text first details the strengths of materials, and then proceeds to discussing applied mechanics. Next, the book talks about thermodynamics and fluid mechanics. The fifth chapter presents manufacturing technology, which includes cutting tools, metal forming processes, and soldering and brazing. The next two chapters deal with engineering materials and measurements, respectively. The last chapter of the text presents general data, such as units, symbols, and fasteners. The book will be most useful to students and practitioners of mechanical engineering.

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This resource covers all areas of interest for the practicing engineer as well as for the student at various levels and educational institutions. It features the work of authors from all over the world who have contributed their expertise and support the globally working engineer in finding a solution for today's mechanical engineering problems. Each subject is discussed in detail and supported by numerous figures and tables.

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