

Machine Design Databook, Second Edition



by: K. Lingaiah

Abstract: This book provides the formulas and data you need to solve even the most complex machine design problems! Utilizing the latest standards and codes, "Machine Design Databook, Second Edition" is the power tool engineers need to tackle the full range of machine design problems. Packed with valuable formulas, tables, charts, and graphs this unique handbook provides information in both SI and US Customary units - more data than any other similar reference available today! Selecting the appropriate formula and locating the necessary information has never been easier ...or faster! With over 300 pages of additional material, "Machine Design Databook, Second Edition" has new chapters on: The Elements of Machine Tool Design; Applied Elasticity; Locking Machine Elements; and Retaining Rings. Turn to "Machine Design Databook, Second Edition" for: the latest Codes and standards from ASME, AGMA, BIS, ISO, DIN, and more; cutting-edge information on application of the latest analytic techniques in gear design; charts on material properties; calculations of friction, wear, and lubrication of sliding and contact bearings; determination of axial load, torsion, and bending moment for shafts; the design of couplings, clutches, and brakes; formulas (empirical, semi-empirical, and otherwise); the latest advances in tool design and composite materials; and much more! On the drafting table, at the workstation, and in the shop, here is the one-stop solution to all of your machine design problems.

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