



# Analysis and Design of Machine Elements

By V.K. Jadon & Suresh Verma

I.K. International Publishing House Pvt. Ltd., 2015. Paperback. Book Condition: New. Second Edition. 18.5cm x 24cm. Keeping everything nearly same except correcting some typographic errors, two new chapters namely, "Pipe and Pipe Joints" and "Internal Combustion Engines" have been added in this present edition to make the book more comprehensive and useful to the students as well as the faculty. The book covers fundamental concepts, description, terminology, force analysis and methods of analysis and design. The emphasis in treating the machine elements is on methods and procedures that give the student competence in applying these to mechanical components in general. The book offers the students to learn to use the best available scientific understanding together with empirical information, good judgement, and often a degree of ingenuity, in order to produce the best product. Few unique articles e.g., chain failure modes, lubrication of chain drive, timing belt pulleys, rope lay selection, wire rope manufacturing methods, effect of sheave size etc., are included. Friction materials are discussed in detail for both wet and dry running with the relevant charts used in industry. Design of journal bearing is dealt exhaustively. Salient Features: Compatible with the Machine Design Data Book (same author and publisher),...



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