



Rolling Bearing Analysis: Essential and Advanced Concepts, Sixth Edition - Two-Volume Set

By Tedric A. Harris, Michael N. Kotzalas



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For the last four decades, Tedric Harris' Rolling Bearing Analysis has been the "bible" for engineers involved in rolling bearing technology. Why do so many students and practicing engineers rely on this book? The answer is simple: because of its complete coverage from low- to high-speed applications and full derivations of the underlying mathematics from a leader in the field. Updated, revamped, and reorganized for the new millennium, the fifth incarnation of this classic reference is the most modern, flexible, and interactive tool in the field.

What makes this edition so revolutionary?

For starters, the coverage is split conveniently into two books: Essential Concepts of Bearing Technology introduces the fundamentals involved in the use, design, and performance of rolling bearings for more common applications; Advanced Concepts of Bearing Technology delves into more advanced topics involving more dynamic loading, more extreme conditions, and higher-speed applications. Furthermore, each book in this edition includes a CD-ROM that contains numerical examples as well as tables of dimensional, mounting, and life-rating data obtained from ABMA/ANSI standards.

Whether you are interested in the mathematics behind the empirical values or methods for estimating the effects of complex stresses on fatigue endurance, Rolling Bearing Analysis, Fifth Edition compiles the techniques and the data that you need in a single, authoritative resource.

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