First published in 1969, the Power Transmission Distributors Association's Power Transmission Handbook® is the most comprehensive primer on the products, technology and concepts that move industry.

Explore 17 chapters on mechanical, electrical and hydraulic/pneumatic components such as bearings, belts, chains, clutches and brakes, couplings, drives, gears, linear motion devices, motors and many more.

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Power Transmission Handbook
The Definitive Hands-on Resource and Textbook for the Power Transmission/Motion Control Industry

Chapter 00 “Table of Contents / Preface”
CORE PURPOSE

"The PowerTransmission Distributors Association, consisting of distributors and manufacturers who serve customers through distribution and encompassing the mechanical, electrical/electronic, fluid power and related technologies, is committed to advancing distribution and strengthening members to be successful, profitable and competitive in a changing market environment."
## A Note on the Arrangement of Chapters

The Power Transmission Distributors Association has arranged most chapters of the *Power Transmission Handbook®* alphabetically.

These are the exceptions:

- **“Fundamentals,” Chapter 1.** Provides the reader with basic knowledge essential to understanding later chapters.
- **“Adjustable Speed Drives,” Chapter 12, and “Controls and Sensors,” Chapter 13.** Follow “Motors,” Chapter 11, because these chapters are closely interrelated, and information contained in each chapter should be mastered before moving on to the next.

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Preface

The *Power Transmission Handbook* material has four broad objectives: (1) motivate the learner who is being introduced to new products, technology, and concepts; (2) provide experience in solving problems (using SI and common units) and presenting solutions in a logical manner; (3) introduce the learner to subject areas that are common to most PT/Motion Control practitioners and that require the application of fundamental engineering concepts; and (4) develop a basic knowledge base necessary to effectively solve open-ended problems through an applications process.

The material in the *Power Transmission Handbook* is written in a manner that allows for individual home study or for presentation in an organized classroom setting.

The *Power Transmission Workbook* offers a series of true-false, multiple-choice, and short answer questions for each of the 17 chapters. Requiring learners to complete the answers to these questions increases their potential to understand and retain the information by four times.