

This CD is intended to complement the textbook and convey additional information through a number of different tools. The contents of the CD include:

(Note: Please use FullScreen mode when using this CD.)



Textbook Figures and Illustrations - Accessing these graphics in electronic form will allow you to more closely examine the figures. Also, you may use these graphics to add quality to your presentations or incorporate the figures into your documents.



Animations and Videos - Some components such as Planetary Gears, Rolling Element Bearings, and the like can be sketched in a textbook figure; but more information can be obtained quickly through animation. The animations also improve the student's ability to visualize these machine elements, unlike static figures in the textbook.



Tutorials - The tutorials cover selected problem types from the textbook. In addition to bringing out some design subtleties these tutorials direct you through a problem without "spoon-feeding" you the answers.



Additional Data - Most machine element textbooks list only a few types of bearings and give only limited choices regarding available sizes. This gives the false impression that rolling element bearings are available only in limited configurations. As the textbook does not have space for the many required for a full treatment, the additional data contained on this CD allows for the solution to a large number of problems. Additional data regarding rubber belt drives has also been included for high horsepower applications.