

Chapter 10

Linear Motion

Chapter Objectives

When you have finished Chapter 10, “Linear Motion,” you should be able to do the following:

1. Understand new terminology introduced in the “Key Terms” section.
2. Remember one or more of the application acronyms and how they relate to sizing and selecting a system.
3. Remember the key questions to ask when selecting a motion system.
4. Understand the difference between plain, recirculating elements, and cam roller bearings, and their advantages and disadvantages in specific applications.
5. Understand the features and benefits of each bearing type and the application that best suits it.
6. List and describe the purpose of the major components of a linear motion system.
7. Describe the types of motors most commonly used with linear motion systems.