

Chapter 4

Chain Drives

Chapter Objectives

When you have finished Chapter 4, “Chain Drives,” you should be able to do the following:

1. Describe the advantageous characteristics of chain drives.
2. Identify the features of roller chain.
3. Identify the features and benefits of self-lube roller chain.
4. Be familiar with “heavy series” and other high-strength roller chains.
5. Understand the various corrosion-resistant roller chains.
6. Be familiar with several common specialty roller chains.
7. Identify the features of double-pitch roller chain.
8. Identify the features of silent chain.
9. Differentiate various standard chain attachments.
10. Explain the applications for engineered steel class chain.
11. Describe the categories and applications of three types of chain lubrication.
12. Describe the application information needed to design a drive.