

Belt Drives

OEM: Rockwell Automation • Duration: 1 Day (8 hrs) • Code: MMS-225

COURSE MODULES & TOPICS

Objectives

- List and describe the principals of operation of belt drives
- Identify the types of belts and their uses
- Demonstrate the proper installation, alignment and tensioning of belt drives
- Discuss common drive failures

Student Materials

- Student Manual includes the key concepts, definitions, examples, and activities presented in this course
- Lab Guide includes the hands-on exercises

Next Level Learning

- Chain Drives course (MMS-230)

Course Agenda

- Explain Pulley Functions
- Describe Torque Transfer
- List Pulley Types
- Compare Belt Drives
- Describe V-Belts
- Distinguish Variable Speed Methods
- Explain Positive Drives
- Describe Flat Belts
- List Advantages and Disadvantages of Different Types of Belt Arrangements
- Apply Belt Inspection Methods
- Perform Pulley Maintenance
- Demonstrate Alignment Checks
- Perform Belt Installation and Setup
- Lab Exercises
- Review
- Written Exam

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