

**Course Length:** 2 hours

**Course Objective**

- Provide delegates assigned to rigging duties the necessary skills to safely perform their jobs.
- Provide delegates with recommended practices and guidelines to perform safely while working with cranes.
- Delegates should be able to demonstrate these necessary skills and demonstrate knowledge to their supervisor after this refresher.

**Course Design:**

- Narrated e-learning modules

**Successful Course Completion:**

- Requires successful completion of knowledge assessment.

**Course Outline**

**Rigging Requirements**

- Qualified Rigger – API RP 2D Definition
- Rigger Responsibilities
- Manufacturer Responsibilities
- Common Rigging Problems
- Rigging Plan

**Rigging Equipment**

- Definition & Terminology
- Blocks & Sheaves
  - Inspection Criteria
  - Typical Block Components
- Wedge Sockets
  - Installations and Inspection
- Hooks, Latches
  - Different Types
  - Inspection Criteria
  - Proper/Improper Use
- Shackles
  - Different Types
  - Inspection Criteria
  - Proper/Improper Use
- Slings
  - Different Types
  - Inspection Criteria
  - Characteristics

- Proper/Improper Use
- Rings, Links, Swings
  - Different Types
  - Characteristics
- Turnbuckles
  - Different Types
  - Inspection Criteria
- Spreader and Equalizer Beams
- Cable Clips
- Pad eyes, Eyebolts, and Other Lifting Equipment
- Housekeeping and Storage

### Rigging Technique

- 3 Basic Hitches
- Sling Configuration
- Sling Angles
- Rated Load
- Weight of a Load
- Center of Gravity
- Moving the Load
- Load Control/Taglines
- Unbinding Loads
- Pinch Points/Body Positions
- Load Stability
- Personnel Transfer
- Other Factors (Environmental/Electrical)

### Rigging Safety

- Lift Planning
- Personal Protective Equipment
- Hand Signals/Communication

### Reference Material / Documents

API RP 2D

*M&A Safety Services training conforms to OSHA CBT Training standards and ANSI Z490.1. Criteria for Accepted Practices in Safety, Health and Environmental Training. M&A Safety Services LLC. follows all ANSI training criteria.*

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