

API RP 2D Qualified Rigger Training (16-hour)

Duration 2 days

Target group Personnel who have had little or no training and/or experience in rigging and lifting operations and wish to gain an introductory certificate in rigging and lifting operations

Prerequisites None

Objective Upon the completion of this course, candidates will be able to:

Rigging Hardware

- Identification of types and application of rigging hardware to include: blocks; sheaves; hooks/latches; rings, links, swivels; shackles; turnbuckles; spreader and equalizer beams; cable clips; pad eyes; eyebolts; and wedge sockets/termination
- Describe the application of each piece of rigging hardware.
- Describe inspection points, how to inspect, and criteria for removal of each piece of rigging hardware.
- Describe and explain safe and unsafe conditions for usage
- Describe the purpose and proper use of different types/variations of basic rigging hardware under discussion
- Describe rigging hardware working load limit (WLL) rating where applicable
- Describe how to properly maintain hardware
- Describe safe and proper storage techniques/practices for each piece of rigging hardware

Slings:

- Identification of types and application of slings and material to include: wire rope; synthetic; chain; and two-, three-, and four-leg bridle
- Sling application (configuration and function); inspection/rejection criteria; angle and load tension; handling and storage
- D/d ratio
- Cargo nets and other basket types (e.g. bulk bags/flexible fabric)
- Describe function, applications, and safety precautions of hitches (vertical, choker, basket)
- Describe configurations to include different types of hitches (vertical, choker, basket)
- Describe when to use and how to use
- Describe the effect of the sling load at different sling angles
- Describe safe and proper storage techniques/practices for all rigging hardware

Procedures and Precautions:

- Load control/taglines
- Describe the procedures and inspection for each type of personnel transfer equipment.
- Unbinding loads
- Personnel transfer/pre-lift considerations
- Sling handling and storage
- Determining load weights and center of gravity of load
- Softeners (e.g. wear pads)
- Attaching unused sling legs
- Improving sling efficiency
- Turning, securing, and placement of loads

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- Rigging Basics
- Pinch points/body positions,
 - Personal protective equipment (PPE)
 - Hand signals/radio communications
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Contents

This 2 day (16 hours) course will cover the following topics:

- Rigging Hardware
- Slings
- Procedures and Precautions
- Rigging Basics

Exam

Delegate necessary skills shall be evaluated through written, practical, and oral assessment. For successful completion, delegates must attain a minimum satisfactory score of 75% on a closed-book written assessment and 100% on all practical assessments in accordance with the latest edition of the API RP 2D standard.