

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

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**Duration** 2 days

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**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

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**Prerequisites** None

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**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

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**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.