

OTC675

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

<b>Duration</b>	2 days
<b>Target group</b>	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
<b>Prerequisites</b>	None
<b>Objective</b>	<p>Upon the completion of this course, candidates will be able to:</p> <p><b>Rigging Hardware</b></p> <ul style="list-style-type: none"> <li>- 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</li> <li>- Describe the application of each piece of rigging hardware.</li> <li>- Describe inspection points, how to inspect, and criteria for removal of each piece of rigging hardware.</li> <li>- Describe and explain safe and unsafe conditions for usage</li> <li>- Describe the purpose and proper use of different types/variations of basic rigging hardware under discussion</li> <li>- Describe rigging hardware working load limit (WLL) rating where applicable</li> <li>- Describe how to properly maintain hardware</li> <li>- Describe safe and proper storage techniques/practices for each piece of rigging hardware</li> </ul> <p><b>Slings:</b></p> <ul style="list-style-type: none"> <li>- Identification of types and application of slings and material to include: wire rope; synthetic; chain; and two-, three-, and four-leg bridle</li> <li>- Sling application (configuration and function); inspection/rejection criteria; angle and load tension; handling and storage</li> <li>- D/d ratio</li> <li>- Cargo nets and other basket types (e.g. bulk bags/flexible fabric)</li> <li>- Describe function, applications, and safety precautions of hitches (vertical, choker, basket)</li> <li>- Describe configurations to include different types of hitches (vertical, choker, basket)</li> <li>- Describe when to use and how to use</li> <li>- Describe the effect of the sling load at different sling angles</li> <li>- Describe safe and proper storage techniques/practices for all rigging hardware</li> </ul> <p><b>Procedures and Precautions:</b></p> <ul style="list-style-type: none"> <li>- Load control/taglines</li> <li>- Describe the procedures and inspection for each type of personnel transfer equipment.</li> <li>- Unbinding loads</li> <li>- Personnel transfer/pre-lift considerations</li> <li>- Sling handling and storage</li> <li>- Determining load weights and center of gravity of load</li> <li>- Softeners (e.g. wear pads)</li> <li>- Attaching unused sling legs</li> <li>- Improving sling efficiency</li> <li>- Turning, securing, and placement of loads</li> </ul>

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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.