

## Rigger

<b>Duration</b>	8 hours
<b>Target group</b>	Offshore, Industrial, Marine Personnel looking to gain knowledge about the basics of Rigging
<b>Prerequisites</b>	<p>Trainees are expected to be in a good state of health and physically capable of taking part in and completing all practical exercises.</p> <p>ITEMS REQUIRED FOR TRAINING:</p> <ul style="list-style-type: none"> <li>- When checking in for training, please have your GOVERNMENT ISSUED PHOTO ID with you (ie: Passport or Drivers Licences, etc.)</li> <li>- Coveralls</li> <li>- CSA Approved Footwear (safety boots)</li> </ul> <p>PLEASE NOTE: Certificates CANNOT be issued unless valid Government issued ID has been presented on Day 1 of training for all RONC courses, including OPITO approved training.</p>
<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</li> </ul>

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hardware

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**Contents**

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

Rigging Basics

- Pinch points/body positions,
  - Personal protective equipment (PPE)
  - Hand signals/radio communications
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**Exam**

Delegate necessary skills shall be evaluated through written assessment only. For successful completion, delegates must complete a written assessment in accordance with local standards