

Rigging and Slinging

Duration 16 hours

Target group Offshore - Industrial - Marine - Rigger Personnel

Prerequisites Trainees are expected to be in a good state of health and physically capable of taking part in and completing all practical exercises.

ITEMS REQUIRED FOR TRAINING:

- When checking in for training, please have your GOVERNMENT ISSUED PHOTO ID with you (ie: Passport or Drivers Licences, etc.)
- Coveralls
- CSA Approved Footwear (safety boots)

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.

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

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

Exam

Yes