

Standards and Guidelines

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Rigging Inspector Guidelines



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Association of Crane and Rigging Professionals
P.O. Box 87907
Vancouver, WA 98687
800-690-3921 www.acrp.net

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The Association of Crane and Rigging Professionals encourages employers to incorporate the following subjects into training programs designed for employees who perform sling and rigging hardware inspections as part of their work activity. The level and content of this training should be suitable and appropriate for the type of work being performed.

The ACRP places emphasis on providing training programs which meet the organizations published 10 points of "Excellence in Training". Quality training starts with identifying the needs of the participants, having well established goals for the program, providing thorough instruction, giving suitable question and answer time, implementing knowledge checks, conducting hands-on activities whenever possible and finishing with a summary of the training event. For more information about the ACRP and its special workshops and publication visit www.acrp.net

- 1) **Inspection Intervals:** Employees should be trained in the types of inspections that are made on slings and rigging hardware. These inspections are to include Initial, Frequent, and Periodic inspections.
 - a. **Initial:** Inspection done prior to use of all new, altered, modified, or repaired rigging.
 - b. **Frequent:** Inspection performed by the user or designated person each day or shift the rigging is used.
 - c. **Periodic:** A complete documented inspection for damage of rigging performed by a designated person at least once every twelve months or sooner depending on conditions and environment in which the rigging is used.
- 2) **Proof Testing Requirements:** Employees should be trained on the types of testing requirements for Initial, New, and Repaired slings and/or rigging hardware.
- 3) **Slings and Assemblies:** Employees should be trained on the inspection requirements for wire rope (including 6-strand, cable laid, and multi-part slings); Alloy Chain, Metal Mesh, Synthetic Rope, Web, and Round slings. Training topics and proficiency testing should include:
 - Identification
 - Design Factor Requirements
 - Component Parts
 - Manufacturers Recommendations
 - Removal Criteria (OSHA and ASME)
 - Slings Types
 - End Fittings
 - Grade (where applicable)
- 4) **Rigging Hardware:** Employees should be trained on the inspection requirements for Rigging Hardware. Hardware devices should include Rings, Shackles (Anchor, Chain, Flat, etc.), Turnbuckles, Eye Bolts, Swivel Hoist Rings, Rigging Blocks, Wire Rope Clips and Wedge Sockets. Training topics and proficiency testing should include:
 - Identification
 - Manufacturers Recommendations
 - Design Factor Requirements
 - Removal Criteria (OSHA and ASME)

5) Below-The-Hook Lifting Devices: Employees should be trained on the inspection requirements for Below-The-Hook Lifting Devices used within the workplace. Below-The-Hook Lifting Devices may include spreader bars, lifting beams, magnetic and vacuum lifters, tongs, coil and plate lifters, and custom designed lifting devices developed by a qualified person. Training topics and proficiency testing should include:

- Markings
- Identification
- Manufacturers Recommendations
- Design Factor Requirements
- Proof Testing Requirements
- Removal Criteria (ASME)

6) Auxiliary Rigging Equipment: Employees should be trained on the inspection requirements for Auxiliary Rigging Equipment used within the workplace. Auxiliary Rigging Equipment may include chain lever hoists, portable winches, industrial rollers, jacks, chain falls, beam clamps, and similar equipment. Training topics and proficiency testing should include:

- Markings
- Identification
- Manufacturers Recommendations
- Design Factor Requirements
- Proof Testing Requirements
- Removal Criteria (ASME)

7) Rigging Protection:

- Identification (where applicable)
- Inspection points
- Manufacturers Recommendations