

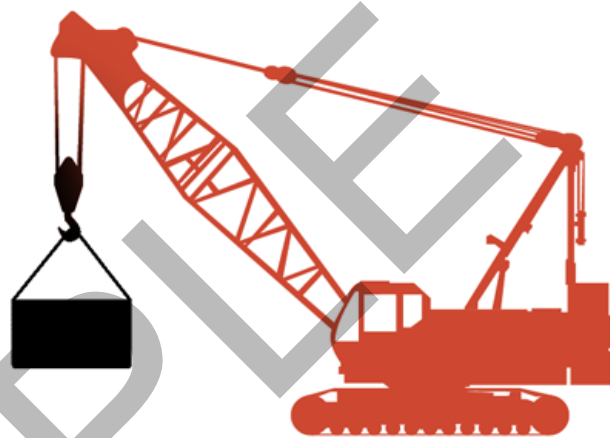
Steel Erection Rigging

Objective: To understand the basic principles of steel erection rigging.

In addition to normal rigging hazards, steel erections create additional circumstances that must be considered.

Operations:

- **Operator control:** Licensed operators are responsible for all operations under their direct control and are authorized to stop and refuse to handle loads if any concerns regarding safety arise.
- **Hoist riding:** Do not use the crane's headache ball, hook, or load to transport personnel unless conventional means are deemed more hazardous or impossible.
- **Safety latches:** Do not deactivate safety latches or render them inoperable unless a qualified rigger determines that the lift can be performed more safely by doing so or that equivalent protection is provided in a site-specific erection plan.
- **Working under loads:** Carefully pre-plan to assure that no employees are required to work in dangerous conditions, such as under a suspended load.
- **Multiple lifts:** Multiple lifts are **only** allowed if the following conditions are met:
 - A multiple lift rigging assembly is used.
 - A maximum of five members are hoisted per lift.
 - Only beams and similar structures are lifted.
 - All employees engaged in the lift have received proper training.
 - Cranes and hoisting equipment are used in compliance with the manufacturer's specifications and limitations.
 - Controlled lowering is used whenever the load is over the connectors.



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Operations (continued):

- **Hand signals:** Operators and signalers must be familiar with hand signals for directing cranes. Refer to **Hand Signals for Crane Operation** in the Risk Management Center.
- Each type of sling has different abilities, characteristics, restrictions for use, inspection and testing criteria, and conditions for repair or removal from service.

Pre-shift visual inspection:

Prior to each shift, a **competent person** must perform a visual inspection of the crane and its components to assure they are in good working condition. Rigging equipment must also be inspected by a **qualified rigger**.

SAMPLE

Steel Erection Rigging

This form documents that the training specified above was presented to the listed participants. By signing below, each participant acknowledges receiving this training.

Organization: _____ Date: _____

Trainer: _____ Trainer's Signature: _____

Class Participants:

Name: _____ Signature: _____

Name: _____ Signature: _____

Name: _____ Signature: _____

Name: _____ Signature: _____

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