

Rigging Safety

The ability to safely move materials and pieces of equipment is a vital part of many construction projects. In part because of the complex nature of the seemingly simple task of lifting an object, an effective program is necessary to lift and move heavy loads safely. Attendees will be informed about OSHA and ASME standards, how to identify and mitigate rigging hazards, basic crane safety, crane hand signals, and inspection of slings and hardware. This program is based on 29 CFR 1910 OSHA General Industry Regulation Sub Part N Material Handling and Storage 1910.184 - Slings

Duration: 4 Hour Program

SELECTION, USE, AND INSPECTION OF SLINGS

- Chain
- Wire Rope
- Natural Fiber Rope
- Synthetic Fiber Rope
- Synthetic Web
- Advantages and Disadvantages
- Inspection Procedures
- OSHA and ASME Recommendations

HARDWARE

- Proper Selection and Utilization
- Hooks and Shackles
- Eye Bolts
- Wedge Sockets
- Wire Rope Clips

SLING CHARACTERISTICS

- Strength
- Convenience and Safety
- Load Protection
- Shock Absorbency
- Temperature & Chemical Resistance
- Economy & Service Life

SAFE LIFTING PRACTICES

- Load Size, Weight, and Center of Gravity
- Number of Legs and Angle with the Horizontal
- Weight Distribution
- Rated Capacity of the Sling
- Sling Tension
- Tables and Charts
- Balancing Loads

WORK SITE SAFETY

- Identifying & Designating the Swing Radius
- Utilizing Hand Signals
- Environmental & Surface Conditions
- Utilizing Tag Lines