



## RIGGING THE FORCE IN YOUR FAVOR

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### INTRODUCTION

Upon completion you should be able to understand rigging techniques that are driven from industry standards such as:

- ▶ OSHA (29 CFR 1910.184)
- ▶ ASME (B30.9)
- ▶ ASME (B30.26)

## LET'S DEFINE...

- ▶ **Authorized/Designated:** Approved by an employer to perform a specific task
- ▶ **Approved:** Certified by a nationally recognized authority or agency
- ▶ **Qualified:** One who has successfully demonstrated the ability to resolve problems related to the work
- ▶ **Competent:** One who can identify existing and predictable hazards in the surroundings and has the authority to take prompt corrective measures to eliminate them
- ▶ **Shall:** Means mandatory
- ▶ **Should:** Means recommended
- ▶ **WLL:** Working Load Limit
- ▶ **SWL:** Safe Working Load

## WHAT IS OVERHEAD LIFTING?

- ▶ The act of moving equipment or materials from one elevation to another with the assistance of a mechanical device.

## ASME RIGGING STANDARDS

- ▶ ASME B30.9 | Slings
- ▶ “...Sling users shall be trained in the selection, inspection, cautions to personnel, effects of environment, and rigging practices...”
- ▶ “...Sling identification shall be done by the manufacturer...should be maintained by the user so as to be legible during the life of the sling...slings shall be removed from service if...missing or illegible sling identification”
- ▶ “Written records of the most recent periodic inspection shall be maintained and shall include the condition of the sling.”

## ASME RIGGING STANDARDS

- ▶ ASME B30.26 | Hardware
- ▶ Users shall be trained in the selection, inspection, cautions to personnel, effects of environment, and rigging practices
- ▶ Identification shall be maintained by the user so as to be legible throughout the life, they shall be removed from service if missing or illegible identification
- ▶ Initial inspection prior to use, frequent inspection each day before used, periodic inspection at least each year, written records are not required