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# CRANE SAFETY: OPERATION

What Would Cosmo Do?

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## Operation Precautions

**When operating a crane, be familiar with the following precautions:**

- Maintain firm footing or be otherwise secured
- Check brake function by tensioning the hoist prior to use
- Use hook latches
- Make sure hook latches are closed



- Avoid swinging the load or hook
- Inspect the hoist regularly
- Lubricate the hoist load per manufacturer recommended
- Do not operate except with manual power
- Do not allow your attention to divert

## Operators

**Cranes and hoists will only be operated by trained operators.**



- No individual under age 18 may operate a crane or hoist at BYU.
- Cranes will only be operated under normal operating conditions as defined by the manufacturer.
- Perform a Pre-Use inspection prior to each use.

## Critical Lifts

**Critical lifts require special considerations to ensure worker safety, including:**



- The weight of the hoisted load approaches the crane's maximum capacity.
- Two or more cranes simultaneously lift the same load.
- Personnel are being hoisted.

**Before a critical lift is performed, the responsible person must review a written safety plan with all individual who will be involved in the lift.**

**The risk among crane operators is significant, corresponding to a risk of more than one death per thousand workers over a working lifetime of 45 years.**

<https://www.osha.gov/archive/oshinfo/priorities/crane.html>

**29 CFR 1910.179**



***Safety Is Everyone's  
Responsibility***

**BYU**

**Risk Management and Safety**

**RMB | 801-422-4468**

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