



Boom Truck Safety

If you operate boom trucks, follow these steps. Use the crane correctly and follow the loading chart to ensure that heavy loads can be lifted safely. Each time the crane lifts a load, the boom angle changes, the boom may extend, and the upper deck turns to swing the load. These motions change the distance from the load's center of gravity to the crane's tipping point. If the distance goes beyond the safe operating range listed in the load chart, the crane can tip over or the boom can collapse.

Bernardo's Story

A boom truck crane was lifting steel beams to the fourth floor of a building under construction. The operator did not know the beams were heavier than the crane's capacity. The heavy load caused the crane boom to buckle and collapse, dropping the load to the ground. Bernardo was working nearby. He saw what was happening and alerted other workers to get out of the way. No one was hurt, but the incident put the operator, Bernardo, and other workers in danger.

- ✘ What caused this incident?
- ✘ How could this have been prevented?
- ✘ Have you ever been injured by a boom truck crane, or do you know someone who was injured or killed by one that collapsed or dropped its load? If so, what happened?

Remember This

If you operate or work near a boom truck

- Check to see that the boom truck has been inspected and is certified for operation.
- Perform a required operational inspection.
- Use outriggers and check that support blocking is securely placed.
- **Never** operate the crane or give hand signals unless you have been trained and authorized to do so.
- **Never** go under a suspended load or move a suspended load over other people.
- **Never** operate the crane unless you and the person giving signals are in direct, clear view or in headset communication.
- **Always** verify the weight of the load and rigging; observe information provided by installed load sensors; and **never** lift more than the crane's capacity or exceed the manufacturer's load chart.
- **Always** check that the wind speed is safe for lifting.
- **Always** warn others when loads are moving or overhead, and obey posted warning signs, especially in critical areas.

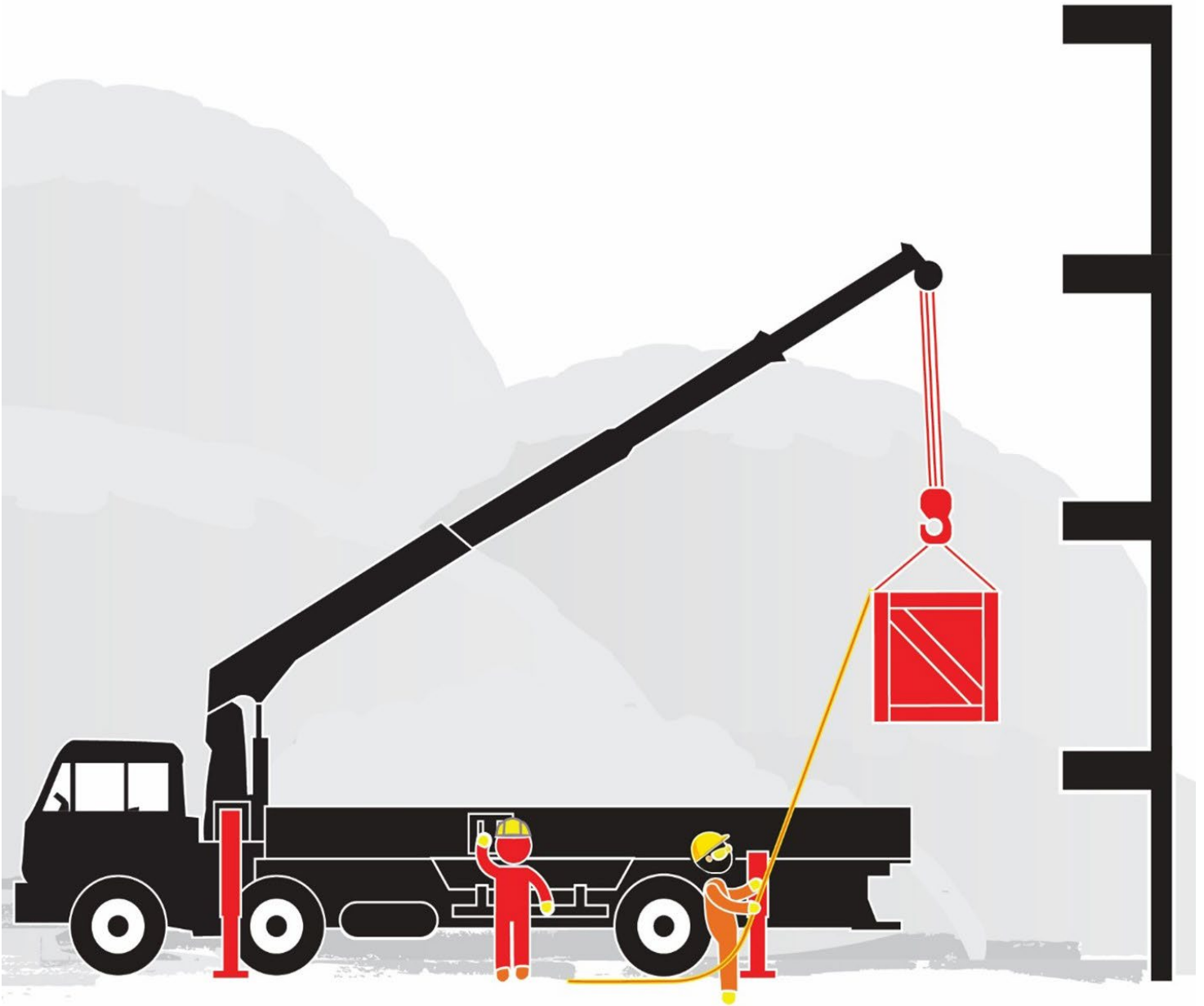
How can we stay safe today?

What will we do at the worksite to prevent injuries from crane overturn or boom truck collapse?

OSHA Standard: 1926.1412 for inspections



Boom Truck Safety



- ✓ **Always** perform an operational inspection as required for that piece of equipment.
- ✓ **Always** make sure the weight of the load and rigging is within the crane's capacity.
- ✓ **Always** use the manufacturer's load chart provided for each boom truck and **never** exceed the rated capacity shown on it.

**GET
INFORMATION**

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