

Section 5 - Hoists and Other Moving Equipment

Objectives

When you have successfully completed this section, you should be able to:

- Describe the role that rated capacity, mechanical advantage, efficiency and weight of a hand operated hoist have in its selection and use.
- Identify examples of the following types of hoists and describe how they differ from each other, pre-use inspection guidelines, and good operating practices for each:
 - Hand-operated hoists
 - Chain-operated hoists
 - Lever-operated hoists
 - Power hoists
- Identify examples of the following types of moving equipment and describe how they differ from each other, pre-use inspection guidelines, and good operating practices for each:
 - Floor cranes
 - Portable cranes
 - Jacks
 - Construct cribbing
 - Skids and rollers for moving objects
 - Dollies

Hand-Operated Hoists

Specifications

Hand-operated hoists are designed to allow one person to raise a load, using a force that is moderate compared to the load being lifted. For example, with a pull of approximately 76 pounds, a hand-operated chain hoist is capable of lifting a load of 2,000 pounds. Never attempt to power this type of hoist with any energy source other than manual.