
29 C.F.R. § 1926.552

Material hoists, personnel hoists, and elevators.

- (a) *General requirements.* (1) The employer shall comply with the manufacturer's specifications and limitations applicable to the operation of all hoists and elevators. Where manufacturer's specifications are not available, the limitations assigned to the equipment shall be based on the determinations of a professional engineer competent in the field.
- (2) Rated load capacities, recommended operating speeds, and special hazard warnings or instructions shall be posted on cars and platforms.
- (3) Wire rope shall be removed from service when any of the following conditions exists:
- (i) In hoisting ropes, six randomly distributed broken wires in one rope lay or three broken wires in one strand in one rope lay;
 - (ii) Abrasion, scrubbing, flattening, or peening, causing loss of more than one-third of the original diameter of the outside wires;
 - (iii) Evidence of any heat damage resulting from a torch or any damage caused by contact with electrical wires;
 - (iv) Reduction from nominal diameter of more than three sixty-fourths inch for diameters up to and including three-fourths inch; one-sixteenth inch for diameters seven-eighths to 1 1/8 inches; and three thirty-seconds inch for diameters 1 1/4 to 1 1/2 inches.
- (4) Hoisting ropes shall be installed in accordance with the wire rope manufacturers' recommendations.
- (5) The installation of live booms on hoists is prohibited.
- (6) The use of endless belt-type manlifts on construction shall be prohibited.
- (b) *Material hoists.* (1)(i) Operating rules shall be established and posted at the operator's station of the hoist. Such rules shall include signal system and allowable line speed for various loads. Rules and notices shall be posted on the car frame or crosshead in a conspicuous location, including the statement "No Riders Allowed."
- (ii) No person shall be allowed to ride on material hoists except for the purposes of inspection and maintenance.
- (2) All entrances of the hoistways shall be protected by substantial gates or bars which shall guard the full width of the landing entrance. All hoistway entrance bars and gates shall be painted with diagonal contrasting colors, such as black and yellow stripes.

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