

3. Approaches to hoists shall be provided with solid gates or other equally effective fencing which—
- (a) Are at least 1 m. high; and
  - (b) Close automatically when the hoist platform leaves the landing.
4. Approaches to hoists shall be adequately lighted.
5. The guides of hoist platforms shall offer sufficient resistance to bending, and, in the case of jamming by a safety catch, to buckling.
6. The platform shall be so constructed that safe transport is ensured.
7. On platforms for truck transport the trucks shall be efficiently blocked in a safe position on the platform.
8. Counterweights consisting of an assemblage of several parts shall be made of specially constructed parts rigidly connected together.
9. The counterweight shall run in guides.
10. If two or more wire ropes are used the load shall be equally distributed between them.
11. Each suspension rope shall be in one piece.
12. The rope-ends shall be fastened to the platform attachment by splicing and tight binding with steel wire, by sealing, or by clamping with the aid of rope-clamps; wherever possible, thimbles shall be used.
13. Drum anchorages of suspension ropes shall be adequate and secure.
14. Ropes shall be long enough to leave at least two turns on the drum when the cage or platform is at its lowest position, and be of such diameter as to have a safety factor of at least eight under the maximum load.
15. When wire ropes are used, the diameter of the pulleys or drums shall not be less than 400 times the diameter of the wires in the rope.
16. When winch drums are grooved—
- (a) The radius of the grooves shall be approximately the same as, but not less than, the radius of the rope; and
  - (b) The pitch of the grooves shall not be less than the diameter of the rope.
17. Winch-drums shall be provided with flanges that prevent the rope from slipping off the drum.
18. It shall not be possible to reverse the motion of the hoist without first bringing it to rest.
19. It shall not be possible to set the hoist in motion from the platform.
20. Pawls and ratchet-wheels with which the pawl must be disengaged before the platform is lowered shall not be used.
21. Where the person operating the hoist cannot see clearly every position of the platform, arrangements shall be made for effective signals to be given to the hoist operator by a responsible person who can see the platform at each position.
22. (1) When the platform is at rest the brake shall be applied automatically.
- (2) During loading and unloading the platform shall be blocked by catches or other devices in addition to the brake.
23. Hoists shall be provided with devices that stop the winding-engine as soon as the platform reaches its highest stopping-place.
24. Above the highest stopping-place a clearance shall be provided high enough to allow sufficient unobstructed travel of the cage or platform in case of over-winding.
25. (1) No hoist shall be used unless it has been tested and examined by a competent person and a certificate of such test and examination has been issued by that person in the prescribed form.
- (2) Such test and examination shall be repeated—
- (a) At such regular intervals as are prescribed by the competent authority; and
  - (b) After every substantial alteration or repair and every re-erection.
26. (1) The above provisions apply only to hoists used for raising or lowering materials.
- (2) No hoist shall be used for the conveyance of persons unless—
- (a) Such use has been authorized by the competent authority; or
  - (b) The hoist complies with the conditions laid down for the installation and operation of lifts used for the conveyance of persons in industrial undertakings.
27. The following notices shall be posted up conspicuously and in very legible characters—
- (a) On all hoists—
    - (i) On the Platform—The carrying capacity in kilograms or other appropriate standard term of weight; and
    - (ii) On the Winding-engine—The lifting-capacity in kilograms or other appropriate standard term of weight;
  - (b) On hoists authorized or certified for the conveyance of persons: On the Platform or Cage—The maximum number of persons to be carried at one time;
  - (c) On hoists for goods only: On every Approach to the Hoist—"Goods Hoist! Use by persons prohibited."

*Regulation 35.—Miscellaneous Provisions.*

1. Precautions shall be taken to safeguard the workmen examining or lubricating a crane or hoist.
2. No person shall be lifted or carried by a crane except on the driver's platform, or ride in a barrow hoist or in a hod hoist.
3. Every part of a load in course of being hoisted or lowered shall be adequately suspended and supported so as to prevent danger.