

WAC 296-96-24148 Safeties and governors. (1) All inclined private residence elevators shall be equipped with a safety capable of stopping and sustaining a car carrying its rated load.

(a) Elevator safeties shall be type "A" or "B" or other devices approved by the department and shall be operated by a speed governor.

(b) Elevator safeties shall operate independently of governor speed action and without delay when a hoist rope breaks.

(2) Governors shall operate to set the safety at a maximum of 140 percent of rated speed. Upon slackening of the hoist ropes the safety shall set without appreciable delay and independently of the speed governor.

(a) The governor shall be located where:

(i) The governor will not be struck by the car or counterweight if over-travel occurs;

(ii) All parts can freely and fully move;

(iii) The governor is accessible for a complete examination.

(b) Governors are required to be of the mechanical type; and

(c) Belt driven governors shall be monitored. In the case of belt breakage or disengagement, the car shall be shut down.

(3) If ropes are used, the ropes shall be made of iron, steel, monel metal or phosphor bronze and be at least 6.35 mm (0.25 in.) in diameter. Tiller rope construction shall not be used.

(4) Motor-control circuits and brake-control circuits shall be opened either before the safety applies or at the time the safety applies.

(5) All safeties shall apply mechanically; electrically operated safeties shall not be used.

(6) All winding drum type inclined elevators that use rope suspensions shall be equipped with a manually reset slack-rope device. During a car's descent, if the travel of the car is obstructed and the hoisting ropes go slack, the slack-rope device shall stop power to the elevator motor and brake.

(7) Cast iron shall not be used to build any elevator safety part that stops and sustains the elevator.

[Statutory Authority: RCW 70.87.030. WSR 23-17-141, § 296-96-24148, filed 8/22/23, effective 10/2/23. Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24148, filed 8/31/18, effective 10/1/18.]