

875—73.14(89A) Car safeties and speed governors.

73.14(1) Each elevator suspended by ropes shall be provided with mechanically applied car safeties which shall be capable of stopping and sustaining its rated load.

73.14(2) Broken rope or slack rope safeties may be allowed if the car speed is not in excess of 50 FPM.

73.14(3) Elevators which are provided solely with broken rope or slack rope safeties shall not be used for passenger service. EXCEPTION: Handicapped restricted use elevators.

73.14(4) All safeties shall be adjusted so that clearances from the rail shall be in accordance with ANSI A17.1, 1971, rule 1001.2, or later editions of the ASME A17.1 code.

73.14(5) All slack cable safeties shall be provided with an electrical switch which disconnects power to the elevator machine and brake when setting of the safeties occurs.

73.14(6) All safeties operated by a speed governor shall be provided with a speed switch operated by the governor when used with type B or C car safeties on elevators having a rated speed exceeding 150 FPM. A switch shall be provided on the speed governor when used with a counterweight safety for any car speed.

73.14(7) Speed governors shall have their means of speed adjustment sealed.

73.14(8) For hoistways not extending to the lowest floor and where space below the hoistway is used for a passageway or is occupied by persons, or if unoccupied but not secured against unauthorized access, the counterweights of the elevator shall be provided with safeties. Safeties shall be tripped by a speed governor if the car speed is in excess of 150 FPM. Speed governors shall be set to trip above the car governor tripping speed but not more than 10 percent greater.