

California Code of Regulations
TITLE 8, DIVISION 1, CHAPTER 4
Subchapter 7. General Industry Safety Orders
Group 2. Safe Practices and Personal Protection
Article 7. Miscellaneous Safe Practices

§3324. Horizontal Sliding and Swinging Gates

(a) Application. This section applies to gate panels exceeding 100-pounds or 12-feet wide or 4-feet tall.

(b) Definitions.

Entrapment. The condition when a person is caught or held in a position that increases the risk of injury.

Horizontal slide gate. A gate that travels in a horizontal straight-line path.

Horizontal swing gate. A gate that swings in a horizontal arc in a horizontal plane.

Positive stop. A physical device that limits gate travel.

(c) Horizontal Sliding Gate Design, Construction, and Installation:

~~(a)~~(1) All horizontal sliding gates shall be equipped with positive stops or devices that limit the gate travel to the designed fully open and closed positions.

(A) The positive stops or devices shall be designed, constructed, and installed to withstand four times the working impact forces from gate opening and closing.

(B) The function of limiting gate travel to the designated fully opened and closed positions shall be:

1. Designed by a registered professional engineer

2. Constructed and installed with a redundancy such that failure of the primary positive stop or device component results in functioning of an independent secondary positive stop or device component.

(d) Horizontal Sliding Gate Maintenance, Inspection, and Repair:

(1) Horizontal sliding gates shall be removed from service when its primary positive stop device unit does not limit gate travel to the designated fully opened and closed positions.

(2) Gates missing positive stop device units or whose positive stop device unit does not limit gate travel to the designated fully opened and closed positions shall be locked-out to prevent function. Locked out gates shall be tagged with information describing the cause of removal from service and the contact information of the authorized person(s) for lock removal.

(3) Gates undergoing installation, repair, or service shall be locked-out to prevent function. Locked out gates shall be tagged with information describing the cause of removal from service and the contact information of the authorized person(s) for lock removal.

(e) Requirements for All Horizontal Sliding And Swinging Gates:

(1) Have an effective number of devices or design elements that prevents a person from being entrapped or put at risk of injury from the gate or any of its components.

(2) Be designed, constructed, and installed to not fall over more than 45 degrees from the vertical plane. Gates shall be equipped with a redundancy component independent in function from its original supporting hardware, to prevent gates from falling more than 45 degrees from the vertical plane.

(3) Be designed, constructed, and installed such that their movement shall not be initiated by gravity and shall not result in continuous, unimpeded movement.

(4) Gates shall be inspected at least annually and documented with the following information:

(A) Name of person performing the inspection.

(B) Date of the inspection.

(C) Proper functioning of primary and secondary positive stop devices for horizontal sliding gates.

(D) Proper functioning of primary and secondary fall over 45-degree prevention devices.

(E) Nip points are guarded against contact.

(F) Balanced to prevent gravity-initiated movement and impeded to prevent continuous movement.

(G) Check for defects, corrosion, wear, and improper function off all gate components.

(5) All gate hardware, its construction, and installation shall be of sufficient strength and durability to support four times the operating force of the gate and the demands of repeated open-close cycles.

~~(b)(6) Positive stops or devices~~ All gate components shall be constructed, installed and maintained by a qualified person to resist impact loads at least four times their operating force in order to safely contain sliding all gate components and operate safely within their designed stop-limits.

~~(c)(7)~~ Employees responsible for operating or inspecting horizontal sliding gates shall be instructed in the safe operation of such gates.

~~(d)(8)~~ Repairs to gate hardware shall only be performed by a qualified person.

Note: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.