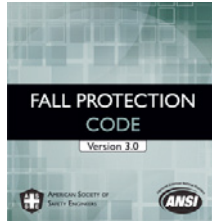


RIGGERS SAFETY



ANSI Z359 REGULATIONS & COMPLIANCE

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General Industry:

ANSI/ASSE Z359 Fall Protection Code Package Version 3.0

ANSI/ASSE Z359.0-2012 Definitions & Nomenclature Used for Fall Protection & Fall Arrest - Free

ANSI/ASSE Z359.1-2016 Safety Requirements for Personal Fall Arrest Systems, Subsystems & Components

ANSI/ASSE Z359.2-2017 Minimum Requirements for a Comprehensive Managed Fall Protection Program

ANSI/ASSE Z359.3-2017 Safety Requirements for Positioning & Travel Restraint Systems

ANSI/ASSE Z359.4-2013 Safety Requirements for Assisted-Rescue & Self-Rescue Systems, Subsystems & Components

ANSI/ASSE Z359.5 Safety Requirements for Personal Fall Arrest Systems (PFAS) *pending approval*

ANSI/ASSE Z359.6-2016 Specifications & Design Requirements for Active Fall Protection Systems

ANSI/ASSE Z359.7-2011 Qualification & Verification Testing of Fall Protection Products – Free Download

ANSI/ASSE Z359.8 Requirements for Rope Access

ANSI/ASSE Z359.9 Personal Equipment for Protection Against Falls - Descending Devices *pending approval*

ANSI/ASSE Z359.10 Reserved

ANSI/ASSE Z359.11-2014 Safety Requirements Full Body Harness for Personal Fall Arrest Systems

ANSI/ASSE Z359.12-2009 Connecting Components for Personal

Fall Arrest Systems

ANSI/ASSE Z359.13-2013 Personal Energy Absorbers & Energy-Absorbing Lanyards

ANSI/ASSE Z359.14-2014 Self-Retracting Devices for Personal Fall Arrest & Rescue Systems

ANSI/ASSE Z359.15-2014 Safety Requirements for Vertical Lifelines for Personal Fall Arrest Systems (PFAS)

ANSI/ASSE Z359.16-2016 Safety Requirements for Fall Arresters for Personal Fall Arrest Systems (PFAS)

ANSI/ASSE Z359.17 Safety Requirements Horizontal Lifelines for Personal Fall Arrest Systems *pending approval*

ANSI/ASSE Z359.18-2017 Safety Requirements for Anchorage Connectors for Personal Fall Arrest Systems

** ANSI/ASSE Z359.1-2016 final edition standard for fall arrest equipment is being replaced by a series of standards for components and systems.*

Construction Safety:

ANSI/ASSE A10 Construction Package

ANSI/ASSE A10.8 Scaffolding Safety Requirements

ANSI/ASSE A10.24 Roofing - Safety Requirements for Low-Sloped Roofs

ANSI/ASSE A10.13 Safety Requirements for Steel Erection

ANSI/ASSE A10.32 Personal Fall Protection Used in Construction and Demolition Operations

Confined Spaces:

ANSI/ASSE Z117.1 Safety Requirements for Confined Spaces

Ladder Requirements:

ANSI/ASSE A14.3 Fixed Ladder - Safety Requirements

Training:

ANSI/ASSE Z490.1 Acceptable Practices in Safety, Health and Environmental Training



OSHA: Title 29 CFR Personal Fall Arrest Systems:

<http://www.osha.gov/SLTC/fallprotection/>

OSHA: Law & Regulations: <https://www.osha.gov/law-regs.html>

OSHA STANDARDS FOR GENERAL INDUSTRY

Subpart D, Walking/Working Surfaces

6' Trigger Height Rule

- Fixed Ladder Safety Devices 20' Trigger Height Rule..... 1910.27(d)(5)
- Safety Requirements for Scaffolding, Boatswain's Chair..... 1910.28(j)(1)

Subpart F, Powered Platforms, Manlifts, and Vehicle-Mounted Work Platforms

- Powered Platforms for Building Maintenance... 1910.66(f)(5)(ii)(L)
- Personal Fall Arrest System..... 1910.66 Appendix C (Mandatory)

Subpart J, Permit-Required Confined Spaces..... 1910.146

Subpart R, Special Industries

- Telecommunications
- 4' Trigger Height Rule 1910.268(g)(1)
- Electric Power Generation, Transmission and Distribution..... 1910.269(g)(2)

OSHA Safety and Health Regulations for Construction

Subpart E, Personal Protective and Life Saving Equipment

- Body Belts, Lifelines, and Lanyards..... 1926.104

Subpart L, Scaffolds

- Fall Protection
- 6' Trigger Height Rule..... 1926.451(g)

Subpart M, Fall Protection - 03/15/2013

- 6' Trigger Height Rule
- Scope, Application and Definitions..... 1926.500

- Duty to Have Fall Protection.....1926.501(b)(13)

“Residential construction.” Each employee engaged in residential construction activities 6 feet (1.8 m) or more above lower levels shall be protected by guardrail systems, safety net system, or personal fall arrest system.

The old 25’ eave-to-ground height threshold no longer applies.

- Fall Protection Systems Criteria and Practices.....1926.502
- Training Requirements.....1926.503

Subpart R, Steel Erection Standards

15’ Trigger Height Rule, 30’ for Connectors

- Fall Protection1926.760

Subpart V, Power Transmission and Distribution

- Linemen Body Belts, Safety Straps and Lanyards1926.959

Subpart X, Ladders

- Ladders1926.1053

Subpart CC, Cranes & Derricks in Construction

- Fall Protection1926.1423

OSHA STANDARDS FOR SHIPYARD EMPLOYMENT

Subpart I, Safety and Health Standards for Shipyard Employment

- Personal fall arrest systems (PFAS)1915.159
- Positioning Device Systems1915.160

Subpart D, Safety and Health Regulations for Longshoring

- Working Surfaces, Deck Load.....1918.33

(b)

- Longshoring, Fall Protection & Fall Protection Systems.....1918.85(j) & (k)



Cal-OSHA: Title 8 for Fall Protection

Cal-OSHA: Law & Regulations Fall Protection: http://www.dir.ca.gov/dosh/etools/08-010/TE_FallProtection.htm

Cal-OSHA: Complete list of Subchapters: <http://www.dir.ca.gov/>

Cal-OSHA STANDARDS - GENERAL INDUSTRY SAFETY ORDERS

Subchapter 7, Group 1, Article 2, General Industry Safety Orders

- Fall Protection Standard Specifications in Subchapter 7.....

T8CCR §3209 - §3239

- Elevated Locations

30” Trigger Height..... §3210

- Floor Openings, Floor Holes and Roofs.....§3212

Subchapter 7, Group 1, Article 2, General Industry Safety Orders

- Fixed Ladders - Ladder safety systems may be used on tower, water tank, and chimney ladders over 20 feet.....§3212

Subchapter 7, Group 1, Article 5, General Physical Conditions and Structures

- Special Design - Permanent Roof Top Installations – Window Washing

Anchorage 5,000lbs load applied in and direction.....

§3291(f)(2)(C)

Subchapter 7, Group 2, Article 10, Safe Practices and Personal Protection
Repealed

- Safety Belts and Life Lines (Repealed).....§3388

Cal-OSHA STANDARDS – CONSTRUCTION SAFETY ORDERS

Subchapter 4, Article 24 Fall Protection..... T8CCR 1669 – 1672

- Construction Fall Protection General §1669

- Personal Fall Arrest Systems

7.5’ Trigger Height..... §1670(a)

(a) Approved personal fall arrest, personal fall restraint or positioning systems shall be worn by those employees whose work exposes them to falling in excess of 7 1/2 feet from the perimeter of a structure, unprotected sides and edges, leading edges, through shaftways and openings, sloped roof surfaces steeper than 7:12, or other sloped surfaces steeper than 40 degrees not otherwise adequately protected under the provisions of these Orders.

Personal Fall Arrest(PFA) Systems:

- a) It must limit the maximum arresting force on an employee to

1,800 lbs.

b) It must be rigged such that an employee can neither free fall more than 6 feet, nor contact any lower level, and, where practicable, the anchor end of the lanyard shall be secured at a level not lower than the employee's waist.

c) Anchorage points must be able to support 5,000 lbs. per employee attached or: (1) Must be designed, installed, and used as part of a complete PFA system with a safety factor of two; and (2) Under the supervision of a qualified person.

§1670(a)(10) Anchorages used for attachment of personal fall arrest equipment shall be independent of any anchorage being used to support or suspend platforms and capable of supporting at least 5,000 pounds per employee attached, or shall be designed, installed, and used as follows:

as part of a complete personal fall arrest system which maintains a safety factor of at least two; and (B) under the supervision of a qualified person.

PFA System must be used if a fall distance of 15 ft. or greater during the following:

a) Work from buildings, bridges, structures on construction members, such as trusses, beams, purlins, or plates that are of at least 4" nominal width. 1669(a)

b) Ironwork other than connecting. 1710(g)(2)

c) Work on structural wood framing systems and during framing activities on wood or light gauge steel frame residential/light commercial construction. 1716.1(c)(1), 1716.2(e)

PFA System must be used at any height during work:

On roofs sloped steeper than 7:12

On roofs, while an operator uses a feltlaying machine or other equipment that requires the operator to walk backwards

From boatswain's chairs. 1662(c)

From float scaffolds. 1663(a)(5)

From Suspended or Needle-beam scaffolds.

NOTES:



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