

ANSI/ASSP A10.28-2018

Safety Requirements for Work Platforms
Suspended from Cranes or Derricks



AMERICAN SOCIETY OF
SAFETY PROFESSIONALS



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**American National Standard
Construction and Demolition Operations**

**Safety Requirements for Work Platforms
Suspended from Cranes or Derricks**

Secretariat

American Society of Safety Professionals
520 N. Northwest Highway
Park Ridge, Illinois 60068

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American National Standards Institute

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Foreword (This Foreword is not a part of American National Standard A10.28-2018.)

This standard is one of a series of safety standards that have been formulated by the Accredited Standards Committee on Safety in Construction and Demolition Operations, A10. It is expected that the standards in the A10 series will find a major application in industry, serving as a guide to contractors, labor and equipment manufacturers. For the convenience of users, a list of existing and proposed standards in the A10 series for Safety Requirements in Construction and Demolition Operations follows.

A10.1	Pre-Project & Pre-Task Safety & Health Planning
A10.2	Safety, Health and Environmental Training (under development)
A10.3	Powder-Actuated Fastening Systems
A10.4	Personnel Hoists and Employee Elevators
A10.5	Material Hoists
A10.6	Demolition Operations
A10.7	Use, Storage, Handling and Site Movement of Commercial Explosives and Blasting Agents
A10.8	Scaffolding
A10.9	Concrete and Masonry Construction
A10.10	Temporary and Portable Space Heating Devices
A10.11	Personnel Nets
A10.12	Excavation
A10.13	Steel Erection
A10.15	Dredging
A10.16	Tunnels, Shafts and Caissons
A10.17	Safe Operating Practices for Hot Mix Asphalt (HMA) Construction
A10.18	Temporary Roof and Floor Holes, Wall Openings, Stairways and Other Unprotected Edges
A10.19	Pile Installation and Extraction Operations
A10.20	Ceramic Tile, Terrazzo and Marble Work
A10.21	Safe Construction and Demolition of Wind Generation/Turbine Facilities (under development)
A10.22	Rope-Guided and Non-Guided Workers' Hoists
A10.23	Safety Requirements for the Installation of Drilled Shafts
A10.24	Roofing – Safety Requirements for Low-Sloped Roofs
A10.25	Sanitation in Construction
A10.26	Emergency Procedures for Construction Sites
A10.27	Hot Mix Asphalt Facilities
A10.28	Work Platforms Suspended from Cranes or Derricks
A10.29	Aerial Platforms in Construction (under development)
A10.31	Digger-Derricks
A10.32	Personal Fall Protection Used in Construction and Demolition Operations
A10.33	Safety and Health Program Requirements for Multi-Employer Projects
A10.34	Public Protection
A10.37	Debris Nets
A10.38	Basic Elements of a Program to Provide a Safe and Healthful Work Environment
A10.39	Construction Safety and Health Audit Program
A10.40	Reduction of Musculoskeletal Problems in Construction
A10.42	Rigging Qualifications and Responsibilities in the Construction Industry
A10.43	Confined Spaces in Construction and Demolition Operations
A10.44	Lockout/Tagout in Construction
A10.46	Hearing Loss Prevention
A10.47	Highway Construction Safety
A10.48	Communication Structures
A10.49	Control of Health Hazards

One purpose of these standards is to serve as guides to governmental authorities having jurisdiction over subjects within the scope of the A10 Committee standards. If these standards are adopted for governmental use, the reference of other national codes or standards in individual volumes may be

changed to refer to the corresponding regulations.

Normative Requirements: This standard uses the single column format common to many international standards. The normative requirements appear aligned to the left margin. To meet the requirements of this standard, machinery, equipment and process suppliers and users must conform to these normative requirements. These requirements typically use the verb "shall."

NOTE: The informative or explanatory notes in this standard appear indented, in italics, in a reduced font size, which is an effort to provide a visual signal to the reader that this is informative note, not normative text, and is not to be considered part of the requirements of this standard; this text is advisory in nature only. The suppliers and users are not required to conform to the informative note. The informative note is presented in this manner in an attempt to enhance readability and to provide explanation or guidance to the sections they follow.

Revisions: The A10 Committee welcomes proposals for revisions to this standard. Revisions are made to the standard periodically (usually five years from the date of the standard) to incorporate changes that appear necessary or desirable, as demonstrated by experience gained from the application of the standard. Proposals should be as specific as possible, citing the relevant section number(s), the proposed wording and the reason for the proposal. Pertinent documentation would enable the A10 Committee to process the changes in a more-timely manner.

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No one but the A10 Committee (through the A10 Secretariat) is authorized to provide any interpretation of this standard.

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Standard Approval: This standard was processed and approved for submittal to ANSI by the American National Standards Committee on Safety in Construction and Demolition Operations, A10. Approval of the standard does not necessarily imply (nor is it required) that all Committee members voted for its approval. At the time ANSI approved this standard, the A10 Committee had the following members:

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AMERICAN NATIONAL STANDARD A10.28 SAFETY REQUIREMENTS FOR WORK PLATFORMS SUSPENDED FROM CRANES OR DERRICKS

1. Scope

This standard applies to platforms suspended from the load lines of cranes or derricks in order to:

1. perform work at elevations that cannot be reached in a safe manner by other types of scaffolds or aerial work platforms; or
2. transport personnel to elevations where other means of access are unsafe or impractical because of design or worksite conditions.

1.1 Application

This standard shall apply to platforms hoisted by cranes or derricks in order to:

1. perform work at elevations that cannot be reached in a safe manner by other types of scaffolds or aerial work platforms, as determined by a qualified person; or
2. transport personnel to elevations where other means of access are unsafe or impractical because of design or worksite conditions. Safe use of such equipment is dependent upon the user following all provisions contained herein.

1.2 General Requirements

The use of a crane or derrick to hoist employees on a personnel platform is acceptable only after the qualified person (person responsible for the lift) has completed a job safety analysis (JSA) that includes consideration of conventional means of access such as a personnel hoist, ladder, stairway, aerial lift, elevating work platform or scaffold as a practical alternative. The JSA shall also include the following at a minimum and shall be maintained on the jobsite:

1. Jobsite information including physical description of area (north, east, south, west).
2. Reasons for lift including factors prohibiting the use of scaffolds, aerial work platforms, ladders or other such equipment; such as considerations related to environmental and work factors such as ability to reach work area in a feasible manner; impact of ice, snow, oil on ladders, steps or runways; structural stability, etc.
3. Steps to be followed to complete the lift.
4. Hazards associated with each step in the process.
5. Controls associated with each hazard.

1.3 Critical Lift Plan

A critical lift plan identifying the following must be prepared in advance and signed by the qualified person.

1.3.1 A critical lift plan shall include the following:

- Make, model and serial number of crane or derrick.
- Configuration of crane or derrick including boom length, jib, counterweight, wire rope allowable line pull and capacities at maximum expected radius.
- Ground conditions and blocking required for stability, proximity to power lines and other overhead hazards.