

# ANSI/ASSP A10.5-2020

Safety Requirements for Material Hoists

PREVIEW ONLY



AMERICAN SOCIETY OF  
SAFETY PROFESSIONALS



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**ANSI/ASSP A10.5 – 2020**

**American National Standard  
Construction and Demolition Operations**

**Safety Requirements for Material Hoists**

Secretariat

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

**Approved July 7, 2020**

**American National Standards Institute**

# American National Standard

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## Foreword (This Foreword is not a part of American National Standard A10.5-2020.)

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 and technical materials in the A10 series for Safety Requirements in Construction and Demolition Operations follows.

- A10.0 The Construction and Demolition Compendium of Standards
- 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
- 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 Pre-Planning, Installation, Inspection and Use of Fall Protection for Construction and Demolition (under development)
- A10.30 Installation of Anchors and Micropiles (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
- A10.35 Pressure Testing of Steel and Copper Piping Systems (under development)
- 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
- A10.50 Heat Stress Management in Construction and Demolition Operations (under development)

- A10.100 Prevention through Design in Construction
- A10.101 Drones in Construction (under development)
- A10.102 Emerging Technology in Construction (under development)

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.

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## AMERICAN NATIONAL STANDARD A10.5 SAFETY REQUIREMENTS FOR MATERIAL HOISTS

### 1. General

#### 1.1 Scope

This standard applies to material hoists used to raise or lower materials during construction, alteration, maintenance or demolition. It is not applicable to the temporary use of permanently installed personnel elevators as material hoists.

#### 1.2 Purpose

The purpose of this standard is to set forth minimum requirements intended to provide for the safety of life, limb and property of those engaged in occupations requiring the use of material hoists. The requirements of this standard are the minimum for that purpose.

#### 1.3 Exceptions

In cases of practical difficulties, unnecessary hardships or new developments, exceptions to the literal requirements shall be permitted by the enforcing authority to allow the use of other devices or methods, but only when it is clearly established that equivalent protection is thereby obtained.

### 2. References

2.1 This standard shall not apply to:

2.1.1 Elevators constructed and operated in conformance with ANSI/ASME A17.1, *Safety Code for Elevators and Escalators*.

2.1.2 Personnel hoists constructed and operated in conformance with ANSI/ASSP A10.4, *Safety Requirements for Personnel Hoists and Employee Elevators on Construction and Demolition Sites*.

2.1.3 Manlifts constructed and operated in conformance with ANSI/ASME A90.1, *Safety Standard for Belt Manlifts*.

2.1.4 Transport platforms and overhead winch systems are not subject to this standard.

#### 2.2 Related Standards

2.2.1 **Related American National Standards.** This standard is intended for use in conjunction with the following American National Standards (see section 12 for additional information):

ANSI/ASSP A10.4, *Safety Requirements for Personnel Hoists on Construction and Demolition Sites*

ANSI/ASSP A10.8, *Scaffolding Safety Requirements*

ANSI/ASSP A10.10, *Safety Requirements for Temporary and Portable Space Heating Devices and Equipment*

ANSI/ASSP A10.32, *Personal Fall Protection Used in Construction and Demolition Operations*

ANSI Z97.1 *Standard - Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test*

ANSI Z535.1, *Safety Color Code*