

ANSI/ASSP A10.5-2020

Safety Requirements for Material Hoists



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

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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.

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.

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Member Representative(s)

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Raymond Mann

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Alliance of Hazardous Materials Professionals
American Insurance Services Group

Michael McCaffrey

Kevin Cannon

American Society of Civil Engineers

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Thad Nosal

American Society of Safety Professionals

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American Wind Energy Association

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APT Research, Inc.

A. David Brayton, CSP, CPC

Christopher Daniels

Associated Builders & Contractors, Inc.

Michele Myers Mihelic

Saralyn Dwyer

Stephen Wiltshire, MSc

Barton Malow Company

Greg Sizemore

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Black & Veatch

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John Johnson, CSP

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Building & Construction Trades Department

Chris Cain, CIH

Gary Gustafson

Century Elevators

Paula Manning

Eric Schmidt, P.E.

Clark Construction Group

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Barry Cole

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Construction & Realty Safety Group, Inc.

Ken Bogdan

Ron Lattanzio

CPWR - The Center for Construction Research & Training

Frank Marino

Bruce Lippy, Ph.D., CIH, CSP

Babak Memarian, Ph.D.

Eckstine & Associates, Inc.

Dennis Eckstine

Matthew Eckstine

Edison Electric Institute	Joseph DiPlacido, MS CSP
Elevator Industry Work Preservation Fund	Carren Spencer
Ellis Fall Safety Solutions, LLC	Michael Morand
Engineering Systems, Inc.	James Demmel
Fluor Corporation	J. Nigel Ellis, Ph.D., P.E., CSP, CPE
Gilbane Building Co.	John Whitty, P.E.
Hislop, Richard D.	David Ahearn, P.E.
Independent Electrical Contractors, Inc.	Edward Tuczak, P.E.
Innovative Safety, LLC	Michael Weatherred, CSP
Institute of Makers of Explosives	Jim Bates, CSP
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International Association of Heat & Frost Insulators & Allied Workers	Thomas Trauger, CSP, ARM, CRIS
International Brotherhood of Boilermakers	Richard Hislop, P.E., CSP, ARM
International Brotherhood of Electrical Workers	Shawn Bradfield, CSP
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International Safety Equipment Association	Jerry Rivera
International Union of Bricklayers & Allied Craftworkers	Barbara Paine
International Union of Operating Engineers	Joshua Hoffman, Ph.D., P.E.
IUPAT	Susan Flanagan
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	Cody Williams, ASP
	Walter Jones, MS, CIH
	Travis Parsons
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	Beth Phelps
	Joel Pickering, CET, CHMM
	Michael Lentz
	Stan Williams, ARM, CHST
	Kevin Newlan, ASP, CHST

Lockton Companies	Marcus Reiter, CSP, ARM, CRIS
	Drew Youpel, CRIS, STSC
Marsh LLC	Timothy Bergeron, CSP, CRIS
Maryland Occupational Safety & Health	Mischelle Vanreusel
	Michael Daughaday, CHST
Mechanical Contractors Association of America	Peter Chaney, MS, CSP
Miller & Long Co., Inc.	Frank Trujillo
	Alex Rodas, CHST
National Association of Home Builders	Robert Matuga
	Christian Culligan
National Electrical Contractors Association	Michael Johnston
	Wesley Wheeler
National Institute for Occupational Safety & Health	Thomas Bobick, Ph.D., P.E., CSP, CPE
	G. Scott Earnest, Ph.D., P.E., CSP
National Railroad Construction & Maintenance Association	Jeffrey Meddin, CSP, CHEP, CHCM
National Roofing Contractors Association	Harry Dietz
	Thomas Shanahan
National Society of Professional Engineers	E. Ross Curtis, P.E., DFE, F.ASCE, F.NSPE
NESTI, Inc.	Michael Hayslip, P.E., CSP
	Jack Madeley, M.S., P.E., CSP
Operative Plasterers & Cement Masons International Association	Deven Johnson
PATMI	
Phoenix Fabricators & Erectors, Inc.	James Borchers
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	Jim Lapping, MS, P.E., CSP
Safety Environmental Engineering, Inc.	Kathy Stieler
Scaffold & Access Industry Association	Matthew Murphy
	DeAnna Martin
Sheet Metal & Air Conditioning Contractors National Association	Jackie Brown
	Mike McCullion, CSP, ARM
SMART Union	Jamie Devan, CHST
SPA, LLC	Randall Krocka
Stock Enterprises	Stanley Pulz, CSP, P.E.
The Association of Union Constructors	Steve Stock, P.E., PLS
Turner Construction Company	Kathleen Dobson, CSP, CHST, STS.C
	Cindy DePrater, ALCM
U.S. Army Corps of Engineers	Abdon Friend, CSP
	Todd "Marty" Werdebaugh, MS, CSP, PMP
U.S. Department of Energy	Craig Schumann
	Maurice Haygood
United Association of Plumbers and Pipefitters	Cheryl Ambrose, CHST, OHST
	Rita Neiderheiser, CHST, CIT

United Brotherhood of Carpenters & Joiners of America
United Union of Roofers, Waterproofers & Allied Workers
West Virginia University Extension Service
ZBD Constructors, Inc.

William Irwin
Royce Peters
Richard Tessier
Keith Vitkovich
Brandon Takacs, CSP, CSHM
Mark Fullen, Ed.D., CSP
Greg Thompson, CSP
Jeffrey Meddin, CSP, CHEP, CHCM

Independent Experts & Observers:

DPR Construction
National Association of Tower Erectors
U.S. Department of Labor - OSHA
Warfel Construction Company

James Alexander, CSP, CHST, CET
Paul Butler, CSP, CHST
John "JP" Jones
Kathryn Stieler
Scott Ketcham
Eric Kampert, P.E., CSP, OHST
Jeffrey Pierce
Kevin Stoltzfus

Subgroup A10.5 had the following members:

Michael Morand (Chair)
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Ted Beville
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John Miller
David Morgan
John O'Connor, P.E.
Kevin O'Shea
Brennan Paterson
Jim Runyan
Eric Schmidt, P.E.
Todd Sharpe
Steve Simpson
Josh Snead
Francois Villeneuve

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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*