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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

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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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<td>Dennis Eckstine</td>
</tr>
<tr>
<td></td>
<td>Matthew Eckstine</td>
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</table>
Edison Electric Institute
Joseph DiPlacido, MS CSP
Carren Spencer

Elevator Industry Work Preservation Fund
Michael Morand
James Demmel

Ellis Fall Safety Solutions, LLC
J. Nigel Ellis, Ph.D., P.E., CSP, CPE
John Whitty, P.E.

Engineering Systems, Inc.
David Ahearn, P.E.
Edward Tuczak, P.E.

Fluor Corporation
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Thomas Trauger, CSP, ARM, CRIS

Hislop, Richard D.
Richard Hislop, P.E., CSP, ARM
Shawn Bradfield, CSP

Independent Electrical Contractors, Inc.
Paul Dolenc
Jerry Rivera

Innovative Safety, LLC
Barbara Paine

Institute of Makers of Explosives
Joshua Hoffman, Ph.D., P.E.
Susan Flanagan

International Association of Bridge, Structural, Ornamental & Reinforcing Iron Workers
Steven Rank

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Marcus Reiter, CSP, ARM, CRIS

Drew Youpel, CRIS, STSC

Timothy Bergeron, CSP, CRIS

Mischelle Vanreusel

Michael Daughaday, CHST

Peter Chaney, MS, CSP

Frank Trujillo

Alex Rodas, CHST

Robert Matuga

Christian Culligan

Michael Johnston

Wesley Wheeler

Thomas Bobick, Ph.D., P.E., CSP, CPE

G. Scott Earnest, Ph.D., P.E., CSP

Jeffrey Meddin, CSP, CHEP, CHCM

Harry Dietz

Thomas Shanahan

E. Ross Curtis, P.E., DFE, F.ASCE, F.NSPE

Michael Hayslip, P.E., CSP

Jack Madeley, M.S., P.E., CSP

Deven Johnson

James Borchers

Frank Massey

Dmitry Stott, CHST, GSP

Jim Lapping, MS, P.E., CSP

Kathy Stieler

Matthew Murphy

DeAnna Martin

Jackie Brown

Mike McCullion, CSP, ARM

Jamie Devan, CHST

Randall Krocka

Stanley Pulz, CSP, P.E.

Steve Stock, P.E., PLS

Kathleen Dobson, CSP, CHST, STS.C

Cindy DePrater, ALCM

Abdon Friend, CSP

Todd "Marty" Werdebaugh, MS, CSP, PMP

Craig Schumann

Maurice Haygood

Cheryl Ambrose, CHST, OHST

Rita Neiderheiser, CHST, CIT
United Brotherhood of Carpenters & Joiners of America
William Irwin
Royce Peters

United Union of Roofers, Waterproofers & Allied Workers
Richard Tessier
Keith Vitkovich

West Virginia University Extension Service
Brandon Takacs, CSP, CSHM
Mark Fullen, Ed.D., CSP

ZBD Constructors, Inc.
Greg Thompson, CSP
Jeffrey Meddin, CSP, CHEP, CHCM

Independent Experts & Observers:

DPR Construction
James Alexander, CSP, CHST, CET
Paul Butler, CSP, CHST

National Association of Tower Erectors
John “JP” Jones
Kathryn Stieler

U.S. Department of Labor - OSHA
Scott Ketcham
Eric Kampert, P.E., CSP, OHST

Warfel Construction Company
Jeffrey Pierce
Kevin Stoltzfus

Subgroup A10.5 had the following members:

Michael Morand (Chair)
Shanon Beekman (Vice Chair)
Richard Hislop, P.E., CSP, ARM (Liaison)
Ted Beville
James Demmel
J. Nigel Ellis, Ph.D., P.E., CSP, CPE
Charles Ernstes
Andrew “Drew” Gaskins, CHST, STS-C
Richard Gregory
Greg Janda
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Jeffrey Meddin, CSP, CHEP, CHCM
John Miller
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John O’Connor, P.E.
Kevin O’Shea
Brennan Paterson
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Eric Schmidt, P.E.
Todd Sharpe
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Francois Villeneuve
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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