



AMERICAN NATIONAL STANDARD

*ANSI/ASSE A10.5-2006
Safety Requirements for
Material Hoists*

*American National Standard
for Construction and
Demolition Operations*

ANSI/ASSE A10.5-2006



AMERICAN SOCIETY OF
SAFETY ENGINEERS

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**American National Standard
Construction and Demolition Operations**

Safety Requirements for Material Hoists

Secretariat

American Society of Safety Engineers
1800 East Oakton Street
Des Plaines, Illinois 60018-2187

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Foreword (This Foreword is not a part of American National Standard A10.5 - 2006.)

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 Planning for Construction Safety and Health (under development)
- 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 Transportation, Storage, Handling, and Use 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 and Debris 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 Floor Holes, Wall Openings, Stairways, and Other Unprotected Edges
- A10.19 Pile Installation and Extraction Operations (under development)
- A10.20 Ceramic Tile, Terrazzo, and Marble Work
- A10.22 Rope-Guided and Non-Guided Workers' Hoists
- A10.23 Back Injury Prevention Programs (under development)
- A10.24 Roofing – Safety Requirements for Low-Sloped Roofs (under development)
- A10.25 Sanitation in Construction (under development)
- A10.26 Emergency Procedures for Construction Sites (under development)
- A10.27 Hot Mix Asphalt Facilities
- A10.28 Work Platforms Suspended from Cranes or Derricks
- A10.29 Aerial Lifts in Construction (under development)
- A10.30 Construction Workplace Security
- A10.31 Digger-Derricks
- A10.32 Fall Protection Systems for Construction Industry Users
- A10.33 Safety and Health Program Requirements for Multi-Employer Projects
- A10.34 Public Protection
- A10.35 High Pressure Hydro Blasting (under development)
- A10.36 Railroad Construction Safety (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 Ergonomics in Construction (under development)
- A10.41 Equipment Operator and Supervisor Qualifications and Responsibilities (under development)
- A10.42 Rigging Qualifications and Responsibilities in the Construction Industry
- A10.43 Confined Spaces in Construction (under development)

A10.44 Lockout/Tagout in Construction (under development)
A10.46 Hearing Loss Prevention (under development)
A10.47 Highway Construction Safety (under development)
A10.48 Communication Tower Erection (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.

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 paragraph 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.

Interpretations: Upon a request in writing to the Secretariat, the A10 Committee will render an interpretation of any requirement of the standard. The request for interpretation should be clear, citing the relevant paragraph number(s) and phrased as a request for a clarification of a specific requirement. Oral interpretations are not provided.

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

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Committee Meetings: The A10 Committee meets twice a year. Persons wishing to attend a meeting should contact the Secretariat for information.

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 this standard was published, the A10 Committee had the following members:

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Contents	SECTION.....	PAGE
	1. General.....	12
	1.1 Scope	12
	1.2 Purpose	12
	1.3 Exceptions	12
	2. Related Standards.....	12
	2.1 Related American National Standards	12
	2.2 Other Related Standards	12
	3. Definitions.....	13
	4. Requirements for Hoist Towers	14
	4.1 Construction	14
	4.2 Initial Inspections	14
	4.3 Periodic Inspection	14
	4.4 Car-Arresting-Device Test	14
	4.5 Design	14
	5. Design and Construction of Foundations.....	14
	6. Erection	14
	6.1 Vertical Alignment.....	14
	6.2 Guide Rails	14
	6.3 Grounding	14
	6.4 Hoist-Tower Enclosures	14
	6.5 Hoistway Entrances	15
	6.6 Tower Height	15
	6.7 Bottom Enclosure	15
	6.8 Segment Connections	16
	6.9 Diagonal Bracing	16
	6.10 Supervision of Erection and Dismantling	16
	6.11 Shutdown for Service	16
	7. Guying	16
	7.1 Guys or Braces	16
	7.2 Wire Rope Guys	16
	8. Cantilever Towers.....	16
	8.1 Exceptions	16
	8.2 Guying or Bracing	16
	8.3 Erecting or Dismantling	16
	9. Requirements for Inside Hoists	16
	9.1 Enclosure.....	16
	9.2 Covering at Cathead.....	16
	10. Hoist Platforms and Cages.....	16
	10.1 Prohibition of Riders	16
	10.2 Rolling Equipment	16
	10.3 Overhead Protection.....	17
	10.4 Hinged Covers	17
	10.5 Securing Long Material.....	17
	10.6 Slip-Resistant Floors	17
	10.7 Platform Enclosure	17
	10.8 Load-Rating Plate	17
	10.9 Car-Arresting Safety Device	17

11. Buckets.....	17
11.1 Work in Pits	17
11.2 Prohibition of Riding	17
12. Booms	18
12.1 Fixed Radium.....	18
12.2 Live Booms.....	18
12.3 Boom Location.....	18
13. Material-Hoist Wire Rope and Sheaves	18
13.1 Breaking Strength.....	18
13.2 Wire Rope Inspection	18
13.3 Wire Rope Removal and Replacement	19
13.4 Wire Rope Installation	20
13.5 Drums and Sheaves	20
14. Wire Rope Fastenings	21
14.1 Wire Rope Attachment	21
14.2 Clip Number, Spacing and Torque	21
14.3 Retightening of Clips	21
15. Hoisting Machines	21
15.1 Capacity.....	21
15.2 Brakes	21
15.3 Stability	21
15.4 Location and Arrangement	21
15.5 Manning	21
15.6 Blocking and Bracing.....	21
15.7 Machinery Platform Rails.....	22
15.8 Hoisting Rope Guards	22
15.9 Gear Guards.....	22
15.10 Prohibition of Multiple Unit Operation	22
15.11 Brake Drums.....	22
15.12 Mechanical Brakes	22
15.13 Ratchet and Pawl	22
15.14 Engine Exhaust	22
15.15 Fuel Cans	22
15.16 Refueling Precautions	22
15.17 Fire Extinguishers.....	22
15.18 Hoisting During Maintenance	22
15.19 Daily Inspection	22
15.20 Electrical Equipment Protection.....	22
15.21 Direct-Coupled Machine Brakes.....	22
15.22 Rack and Pinion Devices.....	23
15.23 Hoisting Machine Location	23
15.24 Power Failure Disconnect.....	23
15.25 Machine Controls.....	23
16. Operator Qualification.....	23
16.1 Operators.....	23
16.2 Qualifications	23
16.3 Training.....	23

17. Protection of Operator	23
17.1 Overhead Protection.....	23
17.2 Enclosure.....	23
17.3 Prohibition of Open-Flame Heaters	23
17.4 Heater Requirements	23
17.5 Lighting	23
17.6 Glass	23
18. Signal Systems	23
18.1 Hand Signals	23
18.2 Electrical Communication	24
18.3 Speaker Location.....	24
18.4 Electrical System Protection	24
19. Indicators	24
19.1 Position Indicators	24
20. Electric Motors	24
20.1 Motor Installations	24
20.2 Switches	24
20.3 Control Panels	24
20.4 Emergency Electrical Cutoff	24
21. Landings and Runways	24
21.1 Design	24
21.2 Railings.....	24
21.3 Overhead Protection.....	24
21.4 Barricades	24
21.5 Working Platforms	24
21.6 Housekeeping.....	24
21.7 Prohibition of Material Storage	25
21.8 Surfaces	25
22. Capacity Statement and Design	25
22.1 Design	25
22.2 Booms and Auxiliary Equipment Loads.....	25
22.3 Steel Tower Design	25
23. Maintenance and Installation Records	25
23.1 Maintenance Records.....	25
23.2 Installation Records	25
23.3 Records Availability	25
23.4 Qualified Personnel	25
23.5 Replacement of Defective Parts	25
24. Revision of American National Standards Referred to in This Document.....	25
 Table 1: Groove Radii for New and Reconditioned Sheave Grooves	26
Table 2: Minimum Ratio of Rope Diameter to Sheave Tread Diameter ...	26

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 or demolition. It is not applicable to the temporary use of permanently installed personnel elevators as material hoists.

This standard shall not apply to:

- (1) Elevators constructed and operated in conformance with ANSI/ASME A17.1, *Safety Code for Elevators and Escalators*.
- (2) Personnel hoists constructed and operated in conformance with ANSI/ASSE A10.4, *American National Standard Safety Requirements for Personnel Hoists and Employee Elevators for Construction and Demolition Operations*.
- (3) Manlifts constructed and operated in conformance with ANSI/ASME A90.1, *Safety Standard for Belt Manlifts*.
- (4) Transport platforms and overhead winch systems are not subject to this standard.

1.2 Purpose. This standard defines safety requirements for the use and operation of material hoists used in construction.

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. RELATED STANDARDS

2.1 Related American National Standards. This standard is intended for use in conjunction with the following American National Standards (see Section 24):

ANSI/ASME A17.1, *Safety Code for Elevators and Escalators*.

ANSI/ASSE A10.4, *American National Standard Safety Requirements for Personnel Hoists and Employee Elevators for Construction and Demolition Operations*.

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

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

ANSI Z535.1, *Safety Color Code*.

ANSI Z535.2, *Environmental and Facility Safety Signs*.

ANSI Z535.3, *Criteria for Safety Symbols*.

ANSI/ASME A90.1, *Safety Standard for Belt Manlifts*.

NFPA 10, *Standard for Portable Fire Extinguishers*.

NFPA 70, *National Electrical Code*.

ANSI/ASME B15.1, *Safety Standard for Mechanical Power Transmission Apparatus*.

2.2 Other Related Standards. This standard is also intended to be used with the following publications:

ANSI/AF&PA NDS, *National Design Specification for Wood Construction*.