



# AMERICAN NATIONAL STANDARD

*ANSI/ASSE A10.19–2008  
Safety Requirements  
for Pile Installation and  
Extraction Operations*

*American National Standard  
for Construction and  
Demolition Operations*

ANSI/ASSE A10.19-2008



AMERICAN SOCIETY OF  
SAFETY ENGINEERS

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**ANSI A10.19 – 2008**

**American National Standard**  
**Construction and Demolition Operations**  
**Safety Requirements for Pile Installation**  
**and**  
**Extraction Operations**

Secretariat

**American Society of Safety Engineers**  
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**Approved (March 24, 2008)**

**American National Standards Institute, Inc.**

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## Foreword (This Foreword is not a part of American National Standard A10.19-2008.)

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 Safety Requirements for Temporary Floor Holes, Wall Openings, Stairways, and Other Unprotected Edges
- A10.19 Pile Installation and Extraction Operations
- A10.20 Ceramic Tile, Terrazzo, and Marble Work
- A10.22 Rope-Guided and Non-Guided Workers' Hoists
- A10.24 Roofing – Safety Requirements for Low-Sloped Roofs
- 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
- A10.36 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 Reduction of Musculoskeletal Problems in Construction
- 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
- A10.46 Hearing Loss Prevention
- A10.47 Highway Construction Safety (under development)

A10.48 Communication Tower Erection (under development)

A10.49 Control of Health Hazards in Construction and Demolition Operations

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.*

*Approval:* Neither the A10 Committee nor American National Standards Institute (ANSI) "approves," "certifies," "rates," or "endorses" any item, construction, proprietary device, or activity.

*Appendices:* Appendices are included in most standards to provide the user with additional information related to the subject of the standard. Appendices are not part of the approved 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 this standard was approved, the A10 Committee had the following members:

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## AMERICAN NATIONAL STANDARD A10.19 SAFETY REQUIREMENTS FOR PILE INSTALLATION AND EXTRACTION OPERATIONS

### 1. GENERAL

**1.1 Scope.** This standard establishes safety requirements for the installation and extraction of piles during construction and demolition operations.

**1.2 Application.** This standard applies to employment and places of employment where employees are exposed to hazards associated with pile installation and extraction operations during construction and demolition operations. This standard applies to piles comprised of hot and cold rolled steel, concrete, wood and composite materials. This standard does not apply to structural steel erection covered by ANSI/ASSE A10.13 or jacking or pier drilling operations covered by ANSI/ASSE A10.16.

**1.3 Purpose.** The prevention of injuries and illnesses to persons exposed to hazards associated with pile driving and extraction operations.

**1.4 Exceptions.** In cases of practical difficulties, unnecessary hardships or new developments, exceptions to the literal requirements of this standard 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.

**1.5 Mandatory and Advisory Rules.** Mandatory rules of this standard are characterized by the word “shall.” If a rule is of an advisory nature, it is indicated by the word “should,” or is stated as a recommendation.

**1.6 Equivalent.** In this standard, the word “equivalent” shall mean alternative materials, designs, or features that will

provide an equal degree of strength and safety.

### 2. REFERENCED STANDARDS

**2.1 Related American National Standards.** The following American National Standards are referred to, supplement or relate to this document. All provisions of the referenced standards that are applicable to demolition operations should be observed. When the following American National Standards are superseded by a revision approved by the American National Standards Institute, Incorporated, the revision shall apply:

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

ANSI/ASSE A10.12, *Safety Requirements for Excavation*

ANSI/ASSE A10.18, *Safety Requirements for Temporary Floor Holes, Wall Openings, Stairways and Other Unprotected Edges*

ANSI/ASSE A10.27, *Safety Requirements for Hot Mix Asphalt Facilities*

ANSI/ASSE A10.32, *Fall Protection Systems for Construction and Demolition Operations*

ANSI/ASSE A10.33, *Safety and Health Program Requirements for Multi-Employer Projects*

ANSI/ASSE A10.42, *Rigging Qualifications and Responsibilities in the Construction Industry*

ANSI/ASME B30.5a, *Safety Code for Mobile and Locomotive Cranes*