



for Construction and Demolition Operations –

Personnel and Debris Nets



ANSI American National Standards Institute

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ANSI A10.11-1979

American National Standard for Construction and Demolition Operations –

Personnel and Debris Nets

Secretariat

National Safety Council

Approved April 19, 1989

American National Standards Institute, Inc

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Standard

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The first edition of this standard, a revision of part of American National Standard Safety Code for Building Construction, ANSI A10.2-1944, was approved and published by ANSI under the title, American National Standard Minimum Requirements for Safety Nets, ANSI A10.11-1971.

The next revision was retitled American National Standard Safety Nets Used During Construction, Repair and Demolition Operations, and was published in 1979.

This edition is based on the comments, the needs, and the technology of the industry and the user.

The standard establishes safety requirements for the selection, installation, and use of personnel and debris nets during construction, repair, and demolition operations.

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 major applications in industry and will serve as guides 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.

- A10.3 Powder-Actuated Fastening Systems
- A10.4 Personnel Hoists
- A10.5 Material Hoists
- A10.6 Demolition
- A10.7 Transportation, Storage, Handling and Use of Commercial Explosives and Agents in the Construction Industry
- A10.8 Scaffolding
- A10.9 Concrete and Masonry Work
- A10.10 Temporary and Portable Space Heating Devices and Equipment Used in the Construction Industry
- A10.11 Personnel and Debris Nets Used During Construction, Repair and Demolition Operations
- A10.12 Excavation (under development)
- A10.13 Steel Erection
- A10.14 Safety Belts, Harnesses, Lanyards, Lifelines and Drop Lines for Construction and Industrial Use (under development)
- A10.15 Dredging
- A10.16 Tunnels, Shafts and Caissons
- A10.17 Asphalt Pavement Construction
- A10.18 Temporary Floor and Wall Openings, Flat Roofs, Stairs, Railings and Toeboards
- A10.19 Pile Driving (under development)
- A10.20 Ceramic Tile, Terrazzo and Marble Work
- A10.22 Rope-Guided and Nonguided Workmen's Hoists
- A10.24 Roofing (under development)
- A10.27 Asphalt Mixing Plants for Construction Projects (under development)
- A10.28 Suspended Work Platforms for Cranes and Derricks
- A10.30 Drilled Caissons (under development)
- A10.31 Digger Derricks
- A10.32 Fall Prevention Systems (under development)
- A10.33 Minimum Requirements of Safety and Health Programs (under development)
- A10.34 Public Protection (under development)
- A10.35 High Pressure Hydro Blasting (under development)
- A10.36 Dry Diamond Saws (under development)

adopted for government use, the reference of other national codes of standards in the individual volumes may be changed to refer to the corresponding regulations of the governmental authorities.

All inquiries requesting interpretation of the language of the Committee's approved American National Standards must be in writing and directed to the secretariat. The A10 Committee shall approve the interpretation before a response is sent to the inquirer. (No one but the A10 Committee is authorized to provide any interpretation of this standard.)

The A10 Committee solicits comments on, and criticisms of, the requirements of the standards. The standards will be revised from time to time to provide for new developments. Suggestions for improvement of this standard are welcome.

All requests for interpretation and all suggestions for improvement should be sent to the A10 Committee, National Safety Council, 444 North Michigan Avenue, Chicago, IL 60611.

This standard was processed and approved for submittal to ANSI by Accredited Standards Committee on Safety in Construction and Demolition Operations, A10. Committee approval of the standard does not necessarily imply that all Committee members voted for its approval. At the time it approved this standard, the A10 Committee had the following members.

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Subcommittee A10.11, which developed this revision, had the following members:

Daniel Paine, Chair

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Demolition Operations –

Personnel and Debris Nets

1. General

- 1.1 Scope. This standard establishes safety requirements for the selection, installation, and use of personnel and debris nets during construction, repair, and demolition operations.
- 1.2 Purpose. The purpose of this standard is to provide minimum design, testing, and use requirements for personnel and debris nets.
- 1.3 Exceptions. The enforcing authority may grant exceptions to the literal requirements of this standard and permit alternative methods, but only when it is clearly evident that equivalent safeguards are being provided.

2. Referenced and Related Standards

- 2.1 Referenced Standard. This standard is intended to be used in conjunction with Standard Method of Salt-Spray (Fog) Testing, ASTM B 117-85.
- 2.2 Related American National Standards. The following standards are listed for information only, and are not essential for the completion of the requirements of this standard.

ANSI A10.4-1981, Safety Requirements for Personnel Hoists

ANSI A10.5-1981, Safety Requirements for Material Hoists

ANSI A10.6-1983, Demolition Operations — Safety Requirements

ANSI A10.8-1988, Construction and Demolition Operations — Scaffolding — Safety Requirements

ANSI A10.9-1983, Construction and Demolition Operations — Concrete and Masonry Work — Safety Requirements

ANSI A92.2-1979, Vehicle-Mounted Elevating and Rotating Aerial Devices

ANSI/ASME A39.1-1987, Safety Requirements for Window Cleaning (including supplements ANSI/ASME A39.1a-1988 and A39.1b-1989)

3. Definitions

competent person. One who is capable of identifying existing and predictable hazards in the surroundings or working conditions that are hazardous or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them.

construction project. Any activity involving the construction, alteration, maintenance, or demolition of a structure.

debris net. A net that is designed to catch only debris. It must be used in conjunction with a personnel net if there is any possibility for personnel to fall.

natural fiber. A fiber produced by nature, such as manila, sisal, or hemp.

perimeter net system. A system of personnel and debris nets and their supports arranged to hold nets on the edge of a floor, work surface, or structure so that when the net is fully impact-loaded, the test weight will not contact any part of the supporting structure.

personnel net. A net that is designed, tested, and installed in accordance with this standard for personnel fall protection.

synthetic fiber. A fiber produced artificially by manufacturing processes, such as nylon, polypropylene, or polyester.