

ANSI/SAIA A92.2 - 2021

# American National Standard for

VEHICLE-MOUNTED  
ELEVATING and  
ROTATING AERIAL  
DEVICES

**SAIA** SCAFFOLD & ACCESS  
INDUSTRY ASSOCIATION

**ANSI**  
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ANSI/SAIA  
A92.2-2021

AMERICAN NATIONAL STANDARD  
for VEHICLE-MOUNTED ELEVATING  
and ROTATING AERIAL DEVICES

PREVIEW ONLY

Secretariat  
Scaffold & Access Industry Association, Inc.

Approved July 28, 2021  
American National Standards Institute, Inc.

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## FOREWORD

This foreword is not part of American National Standard for vehicle-mounted aerial devices, ANSI/SAIA A92.2-2021.

This standard is one of a series on aerial platforms developed under the committee procedures of the American National Standards Institute. The A92 standards committee was organized by the Institute in 1948. The Scaffold & Access Industry Association, Inc. serves as Secretariat.

The primary objective of this standard is to prevent accidents associated with the use of vehicle-mounted aerial devices by establishing requirements for design, manufacture, installation, maintenance, performance, use and training.

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All inquiries requesting interpretation of the Committee's approved American National Standards must be in writing and directed to the Secretariat. The A92 Committee shall approve the interpretation before submission to the inquirer. Only the A92 Committee is authorized to provide any interpretation of this standard.

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### Erratum to A92.2.2021

Reference: Table 3 – Method Called Out in Section 5.4.3.1 Item 10(d) & Section 5.4.3.2 Item 5(c)

The A92.2 Subcommittee notes editorial errors in the 2021 edition of ANSI/SAIA A92.2, for Vehicle-Mounted Rotating and Elevating Work Platforms. Standard References were replaced with the correct references.

*Updated February 2022*

This Standard was processed and approved for submittal to ANSI by Accredited Standards Committee Aerial Platforms, A92 Aerial Work Platforms. The ASC A92 committee’s approval of the standard does not necessarily imply that all committee members voted for its approval. At the time the ASC A92 committee approved this standard, the A92 Aerial Work Platforms Committee had the following members:

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## 1. Scope, Purpose, Requirements, and Application

### 1.1 Scope.

**1.1.1 Equipment Covered.** This standard relates to the following types of vehicle-mounted aerial devices:

- (1) Extensible boom
- (2) Aerial ladders.
- (3) Articulating boom
- (4) Vertical towers.
- (5) A combination of any of the above. The vehicle may be a truck, a trailer, or an all-terrain vehicle.

**1.1.2 Equipment Not Covered.** This standard does not apply to the equipment listed below:

- (1) Equipment such as that covered in ANSI/SAIA A92.20-2020 Design, Calculations, Safety Requirements and Test Methods for Mobile Elevating Work Platforms (MEWPs).
- (2) Vehicle-mounted vertical lift devices such as those covered in American National Standard for Airline Ground Support Vehicle-Mounted Vertical Lift Devices, ANSI/SAIA A92.7-2014.
- (3) Mast Climbing Work Platforms such as those covered in ANSI/SAIA A92.9-2011.
- (4) Transport Platform such as those covered in ANSI/SAIA A92.10-2009 (R2014).
- (5) Equipment such as that covered in ANSI/ASME A120.1- 2014 Safety Requirements for Powered Platforms for Building Maintenance.
- (6) Vertically adjustable equipment used primarily to raise and lower materials and equipment from one elevation to another such as that covered in American National Standards in the A17 and B56 series.
- (7) Fire-fighting equipment such as that covered in American National Standard for Automotive Fire Apparatus, ANSI/NFPA 1901-2016.
- (8) Scaffolding such as that covered in American National Standard for Construction and Demolition Operations-Scaffolding Safety-Requirements ANSI/ASSP A10.8-2019.
- (9) Construction and demolition operation digger derricks such as those covered in American National Standard for Construction and Demolition Operations - Safety Requirements, Definitions, and Specifications for Digger Derricks, ANSI/ASSP A10.31-2019.
- (10) Personnel carrying attachments or personnel platforms attached to or suspended from cranes built to the ANSI/ASME B30 Standards. These excluded items are referred to in ANSI/ASME B30.23, which provides guidance for the use of such apparatus on cranes.
- (11) Cranes; products primarily designed with a hoist to raise, lower and horizontally move a suspended load. Such equipment includes but is not limited to products designed to ASME B30 standards.

**1.2 Purpose.** This standard applies to the establishment of criteria for design, manufacture, testing, inspection, installation, maintenance, use, training, and operation of vehicle-mounted aerial devices, primarily used to position personnel, installed on a chassis to achieve the following objectives:

- (1) Prevention of personal injuries and accidents.
- (2) Uniformity in ratings.
- (3) Understanding by manufacturers, dealers, brokers, installers, lessees, lessors, maintenance personnel, operators, owners, and users of their respective responsibilities.

**1.3 Requirements.** The requirements of this standard shall be met or exceeded.