



# CSA C225:20

## National Standard of Canada



# Vehicle-mounted aerial devices



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# *National Standard of Canada*

## *CSA C225:20*

### *Vehicle-mounted aerial devices*



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# Preface

This is the sixth edition of CSA C225, *Vehicle-mounted aerial devices*. It supersedes the previous editions, published in 2010, 2000, 1988, 1976, and 1969.

The major changes to this edition include the following:

- a) the addition of insulating aerial device Category E;
- b) updated requirements for vacuum protection systems; and
- c) the addition of Annex I – Vacuum protection systems.

This Standard is substantially harmonized with ANSI/SIA A92.2.

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This Standard was prepared by the Technical Committee on Vehicle-Mounted Aerial Devices, under the jurisdiction of the Strategic Steering Committee on Occupational Health and Safety, and has been formally approved by the Technical Committee.

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# CSA C225:20

## Vehicle-mounted aerial devices

### 1 Scope

#### 1.1 Purpose

The purpose of this Standard is to establish criteria for the design, manufacture, testing, inspection, installation, maintenance, use, and operation of vehicle-mounted aerial devices installed on a chassis, primarily used to position personnel, and for the training of operators for that equipment, to achieve the following objectives:

- a) prevention of personal injuries and accidents;
- b) uniformity in ratings; and
- c) understanding by manufacturers, dealers, installers, maintenance personnel, operators, owners, and users of their respective responsibilities.

#### 1.2 Equipment

##### 1.2.1 Equipment covered

This Standard applies to the following types of vehicle-mounted aerial devices:

- a) extensible boom aerial device;
- b) aerial ladder;
- c) articulating-boom aerial device;
- d) vertical tower; and
- e) a combination of Items a) to d).

The vehicle can be a truck, trailer, or all-terrain vehicle.

##### 1.2.2 Equipment not covered

This Standard does not apply to the following equipment:

- a) mobile elevating work platforms, which are covered in CAN/CSA-B354.6, CAN/CSA-B354.7, and CAN/CSA-B354.8;
- b) vehicle-mounted vertical lift devices for airline ground support, which are covered in ANSI/SIA A92.7;
- c) vehicle-mounted bridge inspection and maintenance devices, which are covered in ANSI/SIA A92.8;
- d) mast-climbing work platforms, which are covered in CSA B354.9 and CSA B354.10/B354.11;
- e) mobile cranes, which are covered in CSA Z150;
- f) suspended elevating platforms, which are covered in CAN/CSA-Z271;
- g) fire-fighting equipment, which is covered in NFPA 1901;
- h) construction and demolition operation digger derricks, which are covered in ANSI/ASSE A10.31;
- i) powered crane tip-mounted personnel-carrying attachments; and
- j) personnel platforms attached to the crane boom or suspended by hooks.

**Note:** Where the above Standards refer to ANSI/SIA A92.2, this Standard should be referred to.