



CSA M682:04 National Standard of Canada *(reaffirmed 2019)*



Agricultural front-end loaders — Safety requirements



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Update No. 1

M682-04

July 2005

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The following revisions have been formally approved:

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|----------------|------------------------------------|
| Revised | Outside front cover and title page |
| New | National Standards of Canada text |
| Deleted | None |

CSA M682-04 originally consisted of **13 pages** (vi preliminary and 7 text), each dated **May 2004**. It now consists of the following pages:

| | |
|------------------|--|
| May 2004 | iii–vi and 1–7 |
| July 2005 | Cover, National Standards of Canada text, title page, and copyright page |

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CSA M682:04

May 2004

Title: *Agricultural front-end loaders — Safety requirements*

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This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

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Preface

This is the first edition of CSA M682, *Agricultural front-end loaders — Safety requirements*.

While this Standard is harmonized with European standards on agricultural loaders, it has been developed in response to the specific design and performance requirements of North American machinery. As indicated by the title, this Standard focuses on requirements for the safe design, performance, and operation of agricultural loaders intended for use on and around Canadian farms. Agricultural loaders are implements designed to be mounted on agricultural tractors. They should not be confused with construction and utility loaders, which are mobile machines designed entirely for earth moving and handling construction materials.

This Standard was prepared by the Technical Committee on Agricultural Machinery, under the jurisdiction of the Strategic Steering Committee on Occupational Health and Safety, and has been formally approved by the Technical Committee. It will be submitted to the Standards Council of Canada for approval as a National Standard of Canada.

May 2004

Notes:

- (1) Use of the singular does not exclude the plural (and vice versa) when the sense allows.
- (2) Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.
- (3) This publication was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as “substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity”. It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this publication.
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 - (b) provide an explanation of circumstances surrounding the actual field condition; and
 - (c) be phrased where possible to permit a specific “yes” or “no” answer.Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization and are published in CSA’s periodical Info Update, which is available on the CSA Web site at www.csa.ca.

M682-04

Agricultural front-end loaders — Safety requirements

1 Scope

1.1

This Standard specifies safety requirements for the design and construction of agricultural front-end loaders (front loaders) designed to be mounted on agricultural wheeled tractors (as defined in CSA M684). The purpose of this Standard is to provide a reasonable degree of personal safety for operators and other persons during normal operation and servicing of agricultural front-end loaders on agricultural tractors.

1.2

In CSA Standards, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; “should” is used to express a recommendation or that which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the standard. Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material. Notes to tables and figures are considered part of the table or figure and may be written as requirements. Legends to equations and figures are considered requirements.

2 Reference publications

This Standard refers to the following publications, and where such reference is made, it shall be to the edition listed below, including all amendments published thereto.

CSA (Canadian Standards Association)

CAN/CSA-M665.1-95 (R2000)

Operator Controls on Agricultural Machinery — Location and Direction of Motion

CAN/CSA-M665.3-95 (R1999)

Operator Controls on Agricultural Machinery — Colour Coding

M669-02

Lighting and Marking of Agricultural Equipment on Highways

M684-03

Definitions and Classifications of Agricultural Field Equipment

ASAE (American Society of Agricultural Engineers)

EP363.1 FEB03

Technical Publications for Agricultural Equipment

EP443.1 FEB04

Color Coding Hand Controls