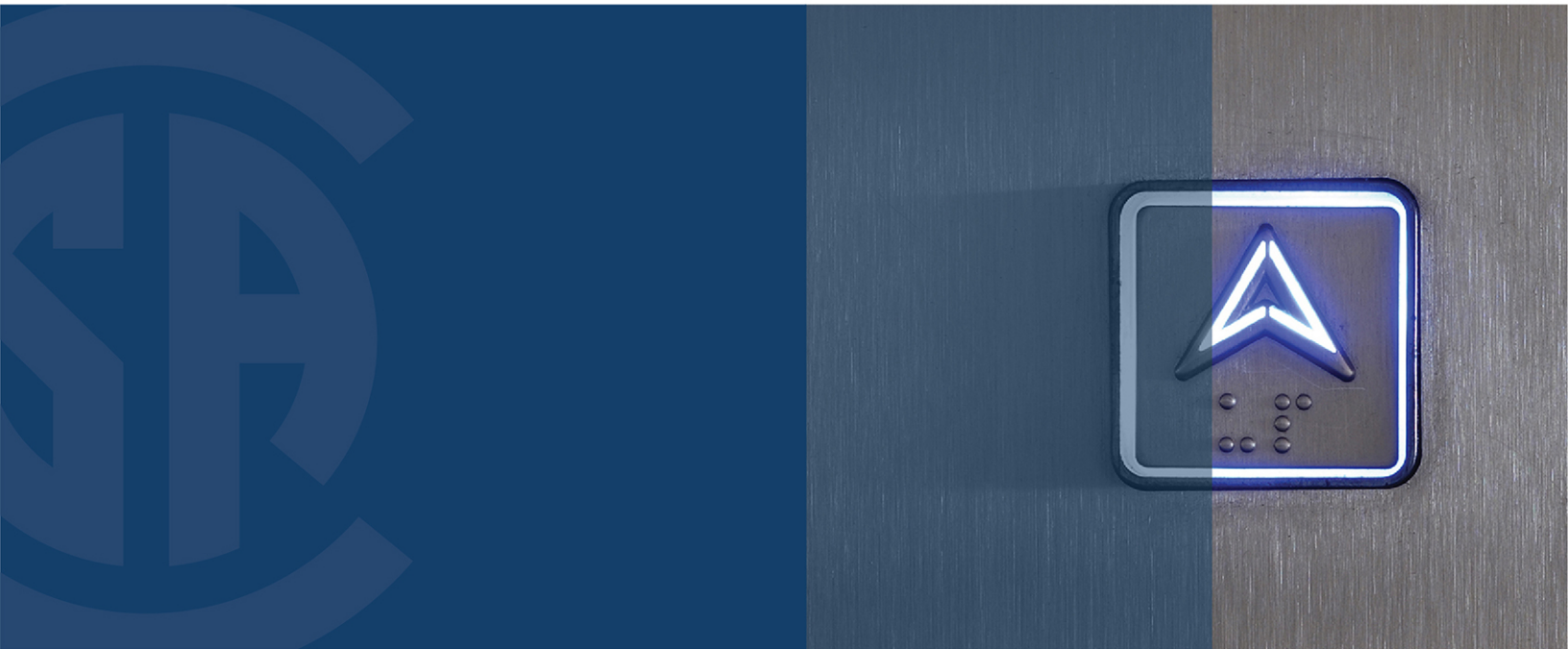




**CSA Z185:23**  
National Standard of Canada



# Safety code for personnel hoists



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# Technical Committee on Construction Hoists

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|-----------------------|---|-------------------|
| <b>S. Beekman</b>     | Les Produits Fraco Ltee.,<br>Cocoa, Florida, USA<br><i>Category: Producer Interest</i>  | <i>Chair</i>      |
| <b>L. Csaszar</b>     | UCEL Inc.,<br>Uxbridge, Ontario, Canada<br><i>Category: Producer Interest</i>   | <i>Vice-Chair</i> |
| <b>B. Alexander</b>   | Operating Engineers Training Institute of Ontario,<br>Oakville, Ontario, Canada<br><i>Category: General Interest</i>                      |                   |
| <b>D. Bruce</b>       | Alberta Municipal Affairs,<br>Edmonton, Alberta, Canada<br><i>Category: Regulatory Authority</i>  |                   |
| <b>M. P. Burrell</b>  | Burrell & Associates Inc.,<br>Toronto, Ontario, Canada  | <i>Non-voting</i> |
| <b>N. Chahal</b>      | Technical Safety BC,<br>New Westminster, British Columbia, Canada   | <i>Non-voting</i> |
| <b>M. Chan</b>        | Technical Standards & Safety Authority,<br>Toronto, Ontario, Canada<br><i>Category: Regulatory Authority</i>                              |                   |
| <b>A. Fantini</b>     | Hydro Mobile,<br>L'Assomption, Québec, Canada<br><i>Category: Producer Interest</i>   |                   |
| <b>A. Gafoor</b>      | Ontario Ministry of Labour, Training and Skills<br>Development,<br>Peterborough, Ontario, Canada<br><i>Category: Regulatory Authority</i> |                   |
| <b>J. Glendenning</b> | International Union of Operating Engineers Local<br>793,<br>Newmarket, Ontario, Canada<br><i>Category: General Interest</i>               |                   |

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| <b>R. Harpin</b>     | I.U.E.C. Local 89,<br>LaSalle, Québec, Canada<br><i>Category: General Interest</i>                                 |                   |
| <b>R. Hopkins</b>    | Infrastructure Health and Safety Association,<br>Mississauga, Ontario, Canada<br><i>Category: General Interest</i> |                   |
| <b>G. E. Janda</b>   | Alimak Group USA, Inc.,<br>Dallas, Georgia, USA<br><i>Category: Producer Interest</i>                              |                   |
| <b>P. A. Jones</b>   | EllisDon Construction Ltd.,<br>Mississauga, Ontario, Canada<br><i>Category: General Interest</i>                   |                   |
| <b>K. Langereis</b>  | Technical Safety BC,<br>Victoria, British Columbia, Canada<br><i>Category: Regulatory Authority</i>                |                   |
| <b>D. Leibeck</b>    | Avro Hoist Company,<br>Mississauga, Ontario, Canada  | <i>Non-voting</i> |
| <b>C. Leveque</b>    | Aylmer Construction Hoist,<br>Ottawa, Ontario, Canada<br><i>Category: Producer Interest</i>                        |                   |
| <b>M. Leveque</b>    | Aylmer Construction Hoist,<br>Ottawa, Ontario, Canada  | <i>Non-voting</i> |
| <b>J. Makrugin</b>   | Mak Hoists, Inc.,<br>Strathmore, Alberta, Canada<br><i>Category: Producer Interest</i>                             |                   |
| <b>T. O'Reilly</b>   | AlumaSafway, Inc.,<br>Toronto, Ontario, Canada<br><i>Category: Producer Interest</i>                               |                   |
| <b>S. Rachiteanu</b> | CNESST,<br>Québec, Québec, Canada<br><i>Category: Regulatory Authority</i>   |                   |
| <b>A. Sharma</b>     | TSSA,<br>Etobicoke, Ontario, Canada  | <i>Non-voting</i> |

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| <b>G. Taillon</b>    | Ontario Ministry of Labour,<br>Toronto, Ontario, Canada   | <i>Non-voting</i>      |
| <b>B. Thomas</b>     | PCL Constructors Canada Inc.,<br>Oakville, Ontario, Canada  | <i>Non-voting</i>      |
| <b>W. Tutton</b>     | PCL Construction Management Inc.,<br>Edmonton, Alberta, Canada<br><i>Category: General Interest</i>         |                        |
| <b>F. Villeneuve</b> | Les Produits Fraco Ltee.,<br>St-Mathias-sur-Richelieu, Québec, Canada                                       | <i>Non-voting</i>      |
| <b>T. Violette</b>   | Tall Crane Equipment Limited,<br>Aldergrove, British Columbia, Canada<br><i>Category: Producer Interest</i> |                        |
| <b>P. Chao</b>       | CSA Group,<br>Toronto, Ontario, Canada  | <i>Project Manager</i> |

# Preface

This is the fourth edition of CSA Z185, *Safety code for personnel hoists*. It supersedes the previous editions published in 1987, 1975, and 1972.

Changes to this edition include the following:

- a) The Standard was updated to reflect changes in industry practice. Requirements related to the following technologies that are no longer in use were removed:
  - i) winding drum drive machines; and
  - ii) traction drive machines.
- b) Requirements for new technologies were added, including the following:
  - i) electronic solid state devices; and
  - ii) software technologies.

CSA Group acknowledges that the development of this Standard was made possible, in part, by the financial support of AlumaSafway, Aylmer Construction Hoist, CKG Elevator Ltd., Les Produits Fraco Ltee., Hydro Mobile, MakHoist, Oxford Builders Supplies, PCL Constructors Inc., Tall Crane Equipment Limited, UCEL Inc., and YSB Hoist Inc.

This Standard was prepared by the Technical Committee on Construction Hoists, under the jurisdiction of the Strategic Steering Committee on Mechanical Industrial Equipment Safety, and has been formally approved by the Technical Committee.

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.

## 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 Standard 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 Standard.*
- 4) *To submit a request for interpretation of this Standard, please send the following information to [inquiries@csagroup.org](mailto:inquiries@csagroup.org) and include “Request for interpretation” in the subject line:*
  - a) *define the problem, making reference to the specific clause, and, where appropriate, include an illustrative sketch;*
  - b) *provide an explanation of circumstances surrounding the actual field condition; and*
  - c) *where possible, phrase the request in such a way that a specific “yes” or “no” answer will address the issue.*

*Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization and are available on the Current Standards Activities page at [standardsactivities.csagroup.org](http://standardsactivities.csagroup.org).*

- 5) *This Standard is subject to review within five years from the date of publication. Suggestions for its improvement will be referred to the appropriate committee. To submit a proposal for change, please send the following information to [inquiries@csagroup.org](mailto:inquiries@csagroup.org) and include “Proposal for change” in the subject line:*
  - a) *Standard designation (number);*
  - b) *relevant clause, table, and/or figure number;*
  - c) *wording of the proposed change; and*
  - d) *rationale for the change.*