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**Z259.2.4-12**

# Fall arresters and vertical rigid rails

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# Preface

This is the first edition of CSA Z259.2.4, *Fall arresters and vertical rigid rails*. It is part of a series of Standards on components of fall-protection systems and replaces that part of CAN/CSA-Z259.2.1-98, *Fall arresters, vertical lifelines and rails*, covering vertical rigid rails.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

This Standard was prepared by the Subcommittee on Fall Arresters and Vertical Rigid Rails, under the jurisdiction of the Technical Committee on Fall Protection and the Strategic Steering Committee on Occupational Health and Safety, and has been formally approved by the Technical Committee.

## 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.*
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  - (b) *relevant clause, table, and/or figure number;*
  - (c) *wording of the proposed change; and*
  - (d) *rationale for the change.*



# Z259.2.4-12

## ***Fall arresters and vertical rigid rails***

### **1 Scope**

#### **1.1**

This Standard specifies design, testing, and marking requirements for manufactured fall arresters and fixed vertical rigid rails that are used on a vertical or slope plane. "Vertical plane" means an angle of not more than 15° from the vertical, which prevents the worker from leaning back.

#### **1.2**

The equipment specified in this Standard is intended for use where there is a danger of falling from heights. In the event of fall, the fall arrester will lock on the fixed vertical rigid rail to arrest the fall.

#### **1.3**

This Standard does not cover work positioning and horizontal travel systems.

#### **1.4**

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.

Annexes are designated normative (mandatory) or informative (nonmandatory) to define their application.

#### **1.5**

The values given in SI units are the units of record for the purposes of this Standard. The values given in parentheses are for information and comparison only.

### **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 Group**

Z259.10-06 (R2011)

*Full body harnesses*

Z259.11-05 (R2010)

*Energy absorbers and lanyards*

Z259.12-11

*Connecting components for personal fall arrest systems (PFAS)*