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**CSA Z259.18:19**  
National Standard of Canada



## Counterweighted guardrail systems

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# Contents

Technical Committee on Fall Protection	3
Subcommittee on Temporary Guarding	8
Preface	10
<b>1 Scope</b>	<b>11</b>
1.1 General	11
1.2 Exclusions	11
1.3 Tolerances	11
1.4 Terminology	11
1.5 Units of measurement	11
<b>2 Reference publications</b>	<b>11</b>
<b>3 Definitions</b>	<b>12</b>
<b>4 CGS classifications</b>	<b>13</b>
<b>5 General requirements</b>	<b>14</b>
5.1 Materials — General	14
5.2 Non-metallic materials	14
5.3 Fasteners	14
5.4 Temperature	14
5.5 Drainage	14
5.6 Finish	14
5.7 Welded assembly	14
<b>6 Design requirements</b>	<b>15</b>
6.1 Configuration	15
6.2 Counterweights	15
6.3 Strength	15
<b>7 Test requirements</b>	<b>15</b>
7.1 Static tests	15
7.2 Dynamic test	15
<b>8 Test samples, equipment, and procedures</b>	<b>19</b>
8.1 Samples	19
8.2 Test equipment	20
8.2.1 Test mass	20
8.2.2 Test surface	21
8.2.3 Wire rope test lanyard	21
8.2.4 Static test structure	21
8.2.5 Quick release	22
8.2.6 Dynamic test structure	22
8.3 Test procedures	23

- 8.3.1 Static tests 23
- 8.3.2 Dynamic test 24

**9 Markings and instructions 25**

- 9.1 Markings 25
- 9.2 Instructions 26

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Annex A (normative) — Class I CGSs 28

# Preface

This is the first edition of CSA Z259.18, *Counterweighted guardrail systems*.

This Standard provides design requirements, test methods, and requirements for marking used for manufactured free-standing guardrails that rely on mass and friction.

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 Temporary Guarding, 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.

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

# CSA Z259.18:19

## Counterweighted guardrail systems

### 1 Scope

#### 1.1 General

This Standard specifies requirements for the design, performance, testing, marking, and instructions of manufactured free-standing guardrails that rely on mass and friction and that are intended to protect workers from a fall hazard. These guardrails are not fixed to a structure.

#### 1.2 Exclusions

This Standard does not apply to

- a) warning lines used for control zones;
- b) netting or infill panels used as barriers;
- c) guardrails that penetrate the structure and secure to the substrate;
- d) guardrails designed to support material-handling equipment; and
- e) guardrails intended for use on surfaces with a slope of more than 5° (1:12).

#### 1.3 Tolerances

Unless otherwise stated in this Standard, all units have an acceptable tolerance range of  $\pm 2\%$ .

#### 1.4 Terminology

In this Standard, “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 (non-mandatory) to define their application.

#### 1.5 Units of measurement

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 amendments published thereto.