



Safety code for material hoists



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Safety code for material hoists



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Preface

This is the second edition of CSA Standard CAN/CSA-Z256, Safety Code for Material Hoists. It supersedes the first edition, published in 1972 as CSA Standard Z256.

The following are the major changes that have been made in this new edition:

- (a) the hoistway enclosure requirements (Clause 6) have been clarified and are now more comprehensive;
- (b) the terminal stopping devices requirements (Clause 19) have been rewritten mainly for purposes of clarification;
- (c) requirements have been added for hydraulic drive machines (Clause 21.9);
- (d) the sections dealing with erection, operation, and maintenance of the hoist have been relocated to an appendix where they are now recommendations instead of mandatory requirements.

This Standard was prepared by the CSA Committee on Construction Hoists under the jurisdiction of the Standards Steering Committee on Lifting, Hoisting and Related Devices and was formally approved by these Committees.

January 1987

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(a) define the problem, making reference to a specific Clause, and, where appropriate, include an illustrative sketch;

(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.

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CAN/CSA-Z256-M87

Safety Code for Material Hoists

1. Scope

1.1

This Standard applies to structures and hoists that are not a permanent part of buildings, structures, or other works and that are used during construction, alteration, or demolition to raise and lower materials connected with or related to a building project.

1.2

This Standard covers the design, construction, installation, operation, and acceptance inspection and testing of material hoists.

1.3

This Standard does not apply to

- (a) hoists for transporting personnel;
- (b) temporary elevators installed in their hoistways during the construction of buildings and incorporating a part of the permanent elevator to be installed later;
- (c) manlifts, counterbalanced or endless-belt type;
- (d) mine elevators;
- (e) cranes and derricks;
- (f) window cleaners and swing stages;
- (g) mobile fork lift trucks and similar equipment; or
- (h) rope-guided and non-guided personnel construction hoists.

2. Reference Publications

2.1

This Standard refers to the following and the year dates shown indicate the latest issues available at time of printing:

CSA Standards

C22.1-1986,
Canadian Electrical Code, Part I;
S16.1-1974,
Steel Structures for Buildings—Limit States Design;

S16.1S2-1981,
Supplement No. 2 to S16.1-1974, Steel Structures for Buildings—Limit States Design;

CAN3-S16.1-M84,
Steel Structures for Buildings (Limit States Design);

S136-M84,
Cold Formed Steel Structural Members;

S136.1-1986,
Commentary on S136-M84, Cold Formed Steel Structural Members;

W47.1-1983,
Certification of Companies for Fusion Welding of Steel Structures;

W59-1984,
Welded Steel Construction (Metal Arc Welding);

National Building Code of Canada
Supplement to NBC-1985, Chapter 1,
Climatic Information for Building Design in Canada;

ASTM Standard
E8-1983,
Tension Testing of Metallic Materials;

American Gear Manufacturers Association Standards

3. Definitions

3.1

The following definitions shall apply in this Standard:

Accessible means admitting close approach because not guarded by locked doors, elevation, or other effective means.

Readily accessible means capable of being reached quickly for operation, renewal, or inspection without requiring resort to portable ladders, chairs, etc., by those to whom ready access is a requisite.

Alteration means any change in or addition to equipment other than ordinary repairs or replacements.

Approved means approved by the regulatory authority.