

# **Coiled aluminum line pipe and accessories**



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and accessories***



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# Preface

This is the fourth edition of CSA Z245.6, *Coiled aluminum line pipe and accessories*. It supersedes the previous editions published in 2002, 1998, and 1992.

This edition differs from the previous edition mainly as follows:

- (a) the quality program requirements have been modified; and
- (b) the high-energy joining process for pipe using sleeves has been modified.

This Standard covers the requirements for coiled aluminum line pipe and accessories intended to be used for transporting fluids in accordance with CAN/CSA-Z662.

This Standard was prepared by the Subcommittee on Aluminum Piping, under the jurisdiction of the Technical Committee on Petroleum and Natural Gas Industry Pipeline Systems and Materials and the Strategic Steering Committee on Petroleum and Natural Gas Industry Systems, and has been formally approved by the Technical Committee.

March 2006

## 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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    - (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) 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](http://www.csa.ca).

# Z245.6-06

## Coiled aluminum line pipe and accessories

### 1 Scope

#### 1.1 General

This Standard specifies requirements for coiled aluminum line pipe and accessories primarily intended for use in oil and gas pipeline systems.

#### 1.2 Pipe diameter and wall thickness

This Standard specifies requirements for pipe with the outside diameters and wall thicknesses specified in [Table 1](#).

#### 1.3 Terminology

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; “may” is used to express an option or that which is permissible within the limits of the standard; and “can” is used to express possibility or capability. 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.

### 2 Reference publications

This Standard refers to the following publications, and where such reference is made, it shall be to the edition listed below, unless the user finds it more appropriate to use newer or amended editions of such publications.

#### CSA (Canadian Standards Association)

CAN/CSA-ISO 9001-00

Quality management systems — Requirements

CAN/CSA-Z662-03

Oil and gas pipeline systems

#### Aluminum Association

Aluminum Standards and Data (2003)

#### American International (American Society for Testing and Materials)

E 29-04

Standard Test Methods for Tension Testing of Metallic Materials [Metric]

E 29-04

Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications