

# Specification for Coiled Line Pipe

API SPECIFICATION 5LCP  
SECOND EDITION, OCTOBER 18, 2006

EFFECTIVE DATE: APRIL 18, 2007

ERRATA, JULY 2007

REAFFIRMED, JULY 2020



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## Upstream Segment

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# Specification for Coiled Line Pipe

## 1 Scope

**1.1** The purpose of this Specification is to provide standards for pipe suitable for use in conveying gas, water, and oil in both the oil and natural gas industries.

This Specification covers welded steel continuously milled coiled line pipe in the size range 0.5 in. (12.7 mm) to 6.625 in. (168.3 mm). Pipe that is pipe-to-pipe welded outside the confines of the manufacturing plant is not included within this document.

**1.2** Grades covered by this specification are X52C, X56C, X60C, X65C, X70C, X80C, and X90C. Grades shall not be mixed within a milled length, or a spool.

Note: Grade designations used herein are composed of the letter X followed by the first two digits of the specified minimum yield strength in U.S. customary units, and the letter C is added to indicate coiled pipe.

**1.3** Pipe manufactured as Grade X60C or higher shall not be substituted for pipe ordered for Grade X52C without purchaser approval.

**1.4** Although the coiled line pipe meeting this specification is intended to be suitable for field welding, the manufacturer will not assume responsibility for field welding.

**1.5** The size designations used herein are outside-diameter sizes. Pipe sizes 2-<sup>3</sup>/<sub>8</sub> and larger are expressed as integers and fractions; pipe sizes smaller than 2-<sup>3</sup>/<sub>8</sub> are expressed to three decimal places.

**1.6** US customary units are used in this specification; SI (metric) units are shown in parentheses in the text and in many tables. See Appendix M for specific information about conversion factors and rounding procedures.

**1.7** The suitability of these products for use in environments containing hydrogen sulphide is outside of the scope of this document.

## 2 References

**2.1** This specification includes by reference, either in total or in part, the latest editions of the following API, industry and government standards. In the event there are conflicting requirements, this specification shall govern.

### API

RP 5C7	<i>Recommended Practice for Coiled Tubing Operations in Oil and Gas Well Services.</i>
Spec 5L	<i>Specification for Line Pipe.</i>
Std 1104	<i>Welding Pipelines and Related Facilities.</i>

### ASME<sup>1</sup>

*Boiler and Pressure Vessel Code, Section IX, "Welding and Brazing Qualifications"*

### ASNT<sup>2</sup>

SNT-TC-1A *Personnel Qualification and Certification in Nondestructive Testing.*

### ASTM<sup>3</sup>

A 370	<i>Methods and Definitions for Mechanical Testing of Steel Products.</i>
A 450	<i>Specification for General requirements for Carbon, Ferritic Alloy, and Austenitic Alloy Steel Tubes</i>
A 751	<i>Test Methods, Practices, and Definitions for Chemical Analysis of Steel Products</i>
E 4	<i>Practices for Force Verification of Testing Machines</i>
E 8	<i>Test methods for Tension Testing of Metallic Materials</i>
E 18	<i>Standard Test Methods for Rockwell Hardness and Rockwell Superficial Hardness of Metallic Materials</i>
E 29	<i>Practice for Using Significant Digits in Test Data to Determine Conformance With Specifications</i>

<sup>1</sup>ASME International, 3 Park Avenue, New York, New York 10016-5900, [www.asme.org](http://www.asme.org)

<sup>2</sup>ASNT, 1711 Arlingate Lane, Columbus, Ohio 43228, [www.asnt.org](http://www.asnt.org)

<sup>3</sup>ASTM International, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania, 19428-2959, [www.astm.org](http://www.astm.org)