Coiled Tubing

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Coiled Tubing

1 Scope

This specification covers the manufacturing, inspection, and testing of all carbon and low alloy steel coiled tubing in Grades CT70, CT80, CT90, CT100 and CT110, in the designations and wall thicknesses given in Table A.5, that can be used as work strings, completion strings, and static installations in oil and gas wells. Coiled tubing may be ordered to this specification.

Coiled tubing is manufactured using the continuously milled process. This specification does not cover the joining of seamless or welded tubing segments in lengths less than 200 ft (61 m).

Tubing of a higher grade is not be substituted for tubing ordered as a lower grade without purchaser approval.

In the dimensional tables herein, coiled tubing is designated by outside diameter, expressed to the thousandth of an inch (0.1 mm), with OD sizes ranging from 0.750 in. (19.1 mm) through 3 1/2 in. (88.9 mm).

Both U.S. Customary units and SI units are shown in this document. Annex H covers specific information about conversion factors and rounding procedures.

The suitability of the coiled tubular products made to this specification for use in environments containing hydrogen sulfide (H_2S) is outside of the scope of this document. It is the responsibility of the purchaser (and/or the user) of coiled tubing to determine the level of resistance to sour service damage mechanisms such as sulfide stress cracking necessary for the end use of the tubing.

2 References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

Requirements of other standards included by reference in this specification are essential to the safety and interchangeability of the equipment produced.

Other nationally or internationally recognized standards shall be submitted to and approved by API for inclusion in this specification prior to their use as equivalent standards.

API Technical Report 5C3, *Technical Report on Equations and Calculations for Casing, Tubing, and Line Pipe used as Casing or Tubing; and Performance Properties Tables for Casing and Tubing*

API Specification 5LCP, *Specification for Coiled Line Pipe*

API Recommended Practice 5SI, *Recommended Practice for Purchaser Representative Surveillance and/or Inspection at the Supplier*

API Standard 5T1, *Imperfection Technology*

API Standard 1104, *Welding of Pipelines and Related Facilities*

ASME *Boiler and Pressure Vessel Code* [1], *Section IX, Welding and Brazing Qualifications*

[1] ASME International, 3 Park Avenue, New York, New York 10016-5990, www.asme.org.