



Standard Specification for Steel Line Pipe, Black, Plain-End, Electric-Resistance- Welded¹

This standard is issued under the fixed designation A 984/A 984M; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This specification covers electric-resistance-welded, black, plain-end, steel pipe for use in the conveyance of fluids under pressure. Pipe in sizes NPS 1 to 26, inclusive, with nominal wall thickness 0.750 in. [19.1 mm] or less, as given in ASME B36.10M is included. Pipe having other dimensions, in this size range, may be furnished provided such pipe complies with all other requirements of this specification.

1.2 It is intended that the pipe be capable of being circumferentially welded in the field when welding procedures in accordance with the requirements of the applicable pipeline construction code are used.

1.3 The values stated in either inch-pound units or in SI units are to be regarded separately as standard. Within the text, the SI units are shown in brackets. The values in each system are not exact equivalents; therefore, each system is to be used independently of the other.

2. Referenced Documents

2.1 ASTM Standards:

A 370 Test Methods and Definitions for Mechanical Testing of Steel Products²

A 450/A 450M Specification for General Requirements for Carbon, Ferritic Alloy and Austenitic Alloy Steel Tubes³

A 530/A 530M Specification for General Requirements for Specialized Carbon and Alloy Steel Pipe³

A 751 Test Methods, Practices, and Terminology for Chemical Analysis of Steel Products³

A 941 Terminology Relating to Steel, Stainless Steel, Related Alloys, and Ferroalloys³

2.2 API Standard:

API RP 5L3 Recommended Practice for Conducting Drop-Weight Tear Tests on Line Pipe⁴

2.3 ASME Standard:

ASME B36.10M Welded and Seamless Wrought Steel Pipe⁵

3. Terminology

3.1 *Definitions*—For terminology used in this specification, refer to Terminology A 941.

3.2 Definitions of Terms Specific to This Standard:

3.2.1 *electric-resistance welding, n*—electric-resistance welding is a process of forming a longitudinal seam wherein the edges are pressed together mechanically after the heat for welding has been generated by the resistance to the flow of electric current.

3.2.2 *lot, n*—a quantity of pipe of the same ordered diameter, heat, wall thickness, and grade, as given in Table 1.

3.2.3 *specified outside diameter (OD), n*—the outside diameter specified in the purchase order or the outside diameter listed in ASME B36.10M for the nominal pipe size specified in the purchase order.

4. General Requirements

4.1 Pipe furnished under this specification shall conform to the applicable requirements of Specification A 530/A 530M unless otherwise provided herein.

5. Ordering Information

5.1 It is the purchaser's responsibility to specify in the purchase order all information necessary to purchase the needed material. Examples of such information include, but are not limited to, the following:

5.1.1 Specification designation and year of issue,

5.1.2 Quantity (feet or metres),

5.1.3 Grade (standard or intermediate, see Table 2 and 8.1.6),

5.1.4 Size (either nominal (NPS) or outside diameter and wall thickness),

5.1.5 Length (see 12.4),

5.1.6 End finish (plain-end beveled or special, see 13.1),

5.1.7 End use of the pipe,

5.1.8 Special requirements,

5.1.9 Supplementary requirements, and

5.1.10 Bar coding (see 16.3).

¹ This specification is under the jurisdiction of ASTM Committee A01 on Steel, Stainless Steel and Related Alloys and is the direct responsibility of Subcommittee A01.09 on Carbon Steel Tubular Products.

Current edition approved July 10, 2002. Published September 2002. Originally published as A 984 – 98. Last previous edition A 984 – 00.

² *Annual Book of ASTM Standards*, Vol 01.03.

³ *Annual Book of ASTM Standards*, Vol 01.01.

⁴ Available from The American Petroleum Institute (API), 1220 L. St., NW, Washington, DC 20005.

⁵ Available from American Society of Mechanical Engineers (ASME), ASME International Headquarters, Three Park Ave., New York, NY 10016-5990.