



Designation: A702 – 13

Standard Specification for Steel Fence Posts, Hot Wrought¹

This standard is issued under the fixed designation A702; 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.

This standard has been approved for use by agencies of the Department of Defense.

1. Scope

1.1 This specification covers steel fence posts manufactured from hot-wrought sections and intended for use in field and line fencing.

1.2 The posts are available as studded tee and are furnished painted or galvanized, unless otherwise specified.

1.3 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

2. Referenced Documents

2.1 ASTM Standards:²

- A29/A29M Specification for Steel Bars, Carbon and Alloy, Hot-Wrought, General Requirements for
- A123/A123M Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products
- A499 Specification for Steel Bars and Shapes, Carbon Rolled from “T” Rails
- A641/A641M Specification for Zinc-Coated (Galvanized) Carbon Steel Wire
- A700 Practices for Packaging, Marking, and Loading Methods for Steel Products for Shipment

2.2 Federal Standards:³

- FED-STD-123 Marking for Shipments (Civil Agencies)

2.3 Military Standards:³

- MIL-STD-129 Marking for Shipment and Storage
- MIL-STD-163 Steel Mill Products, Preparation for Shipment and Storage

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 A01.15 on Bars. This standard is a revision of Commercial Standard CS 184-51, Steel Fence Posts—Field Line Type, formerly published by the United States Department of Commerce.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ Available from DLA Document Services, Building 4/D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, http://quicksearch.dla.mil/.

3. Terminology

3.1 Definitions:

3.1.1 *line posts*—posts that support the straight-line body of the fence.

4. Ordering Information

4.1 Orders for products under this standard should include the following information:

- 4.1.1 Quantity (number of pieces) of line posts (it is customary to order line posts in multiples of five of the required length),
- 4.1.2 Length or lengths required (see 6.2),
- 4.1.3 Finish: galvanized or painted,
- 4.1.4 ASTM designation and date of issue,
- 4.1.5 Anchor plates, if required (see 6.2.4).
- 4.1.6 Wire fasteners (state weight of zinc coating if other than Class 1) (see 5.5.2).

NOTE 1—A typical ordering description is as follows: 500 line posts; 8 ft long; painted; ASTM A702 dated ____; omit anchor plates.

5. Materials and Manufacture

5.1 Material:

5.1.1 Line posts shall be fabricated from Steel A as specified in Table 1.

5.1.2 The finished line post shall conform to the tensile properties specified in Table 1.

5.1.3 At the manufacturer's option, a Brinell or Rockwell B hardness test may be substituted for the tensile requirements in Table 1. In such cases the material shall conform to the Brinell or Rockwell B hardness specified in Table 2.

5.2 Line Post Section:

5.2.1 The posts shall be furnished as a studded tee section. The cross section of T posts shall be approximately 1 $\frac{3}{8}$ in. (35 mm) wide, 1 $\frac{3}{8}$ in. deep, and $\frac{1}{8}$ in. (3.2 mm) thick. Unless otherwise specified by the purchaser, the line post type is at the manufacturer's option.

5.2.2 Dimensions may vary slightly in individual design in maintaining the control weight per foot.

5.3 *Wire Attachments*—Line posts shall have corrugations, knobs, notches, holes, or studs so placed and formed as to engage a substantial number of fence line wires in proper positions.