



Standard Specification for Steel Fence Posts and Assemblies, Hot Wrought¹

This standard is issued under the fixed designation A 702; 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 and assemblies manufactured from hot-wrought sections and intended for use in field and line fencing.

1.2 The posts are available in tee, channel, or U and Y-bar shapes or angle shapes and are furnished painted or galvanized, unless otherwise specified.

1.3 The values stated in inch-pound units are to be regarded as the standard.

2. Referenced Documents

2.1 ASTM Standards:

A 29/A 29M Specification for Steel Bars, Carbon and Alloy, Hot-Wrought and Cold-Finished, General Requirements for²

A 36/A 36M Specification for Carbon Structural Steel³

A 123 Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products⁴

A 153 Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware⁴

A 499 Specification for Steel Bars and Shapes, Carbon, Rolled from “T” Rails²

A 641 Specification for Zinc-Coated (Galvanized) Carbon Steel Wire⁴

A 700 Practices for Packaging, Marking, and Loading Methods for Steel Products for Domestic Shipment²

2.2 Federal Standards:

Federal Standard No. 123 Marking for Shipments (Civil Agencies)⁵

2.3 Military Standards:

MIL-STD-129 Marking for Shipment and Storage⁵

MIL-STD-163 Steel Mill Products, Preparation for Shipment and Storage⁵

3. Terminology

3.1 Definitions:

3.1.1 *assemblies*—angel section post components for installation of gates, fence ends or corners, and intermediate bracing.

3.1.2 *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, end or gate assemblies, corner or intermediate brace assemblies (It is customary to order line posts in multiples of five of the required length and the required number of end or corner assemblies),

4.1.2 Type of section (if a specific section is required) (see 5.2 and Fig. 1),

4.1.3 Length or lengths required (see 6.2),

4.1.4 Finish: galvanized or painted,

4.1.5 ASTM designation and date of issue,

4.1.6 Anchor plates, if required (see 5.4.3), and

4.1.7 Wire fasteners (state weight of zinc coating if other than Class 1) (see 5.6.2 and 5.6.3).

NOTE 1—A typical ordering description is as follows: 500 line posts; 8 ft long; painted; ASTM A 702 dated ____; omit anchor plates.

5. Materials and Manufacture

5.1 Material:

5.1.1 Line posts shall be fabricated from Steels A or B and assemblies from Steels A, B, or C as specified in Table 1.

5.1.2 Except as provided in 6.1.3, the finished line post and assemblies shall conform to the tensile properties specified in Table 1 for the applicable steel.

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.

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 Annual Book of ASTM Standards, Vol 01.05.

³ Annual Book of ASTM Standards, Vol 01.04.

⁴ Annual Book of ASTM Standards, Vol 01.06.

⁵ Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5094, Attn: NPODS.