



Standard Specification for Fence Fittings¹

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1. Scope

1.1 This specification covers the materials, coating requirements, and inspection of fence accessories for chain-link fence for the following:

- 1.1.1 Post and line caps,
- 1.1.2 Rail and brace ends,
- 1.1.3 Top rail sleeves,
- 1.1.4 Tie wires, clips, and fasteners,
- 1.1.5 Tension and brace bands,
- 1.1.6 Tension bars,
- 1.1.7 Truss rod assembly,
- 1.1.8 Barbed wire arms,
- 1.1.9 Color coating of fittings, and
- 1.1.10 Fitting size terminology.

1.2 The values stated in inch-pound units are to be regarded as the standard. The SI values given in parentheses are for information only.

2. Referenced Documents

2.1 ASTM Standards:

- A 641 Specification for Zinc-Coated (Galvanized) Carbon Steel Wire²
- A 641M Specification for Zinc-Coated (Galvanized) Carbon Steel Wire (Metric)²
- A 809 Specification for Aluminum-Coated (Aluminized) Carbon Steel Wire²
- A 817 Specification for Metallic-Coated Steel Wire for Chain Link Fence Fabric²
- B 26/B 26M Specification for Aluminum-Alloy Sand Castings³
- B 85 Specification for Aluminum-Alloy Die Castings³
- B 108 Specification for Aluminum-Alloy Permanent Mold Castings³
- B 117 Practice for Operating Salt Spray (Fog) Testing Apparatus⁴

B 209 Specification for Aluminum and Aluminum-Alloy Sheet and Plate³

B 209M Specification for Aluminum and Aluminum-Alloy Sheet and Plate (Metric)³

B 211 Specification for Aluminum and Aluminum-Alloy Bar, Rod, and Wire³

B 211M Specification for Aluminum and Aluminum-Alloy Bar, Rod, and Wire (Metric)³

B 221 Specification for Aluminum-Alloy Extruded Bars, Rods, Wire, Shapes, and Tubes³

B 221M Specification for Aluminum-Alloy Extruded Bars, Rods, Wire, Shapes, and Tubes (Metric)³

B 429 Specification for Aluminum-Alloy Extruded Structural Pipe and Tube³

B 800 Specification for 8000 Series Aluminum Alloy Wire for Electrical Purposes: Annealed and Intermediate Temperatures

F 552 Terminology Relating to Chain Link Fencing²

F 668 Specification for Poly(Vinyl Chloride) (PVC)-Coated Steel Chain-Link Fence Fabric²

F 934 Specification for Standard Colors for Polymer Coated Chain Link Fence Materials²

2.2 U.S. Government Standard:

MIL-R-60346-C Roving, Glass, Fibrous (For Prepreg Tape and Roving, Filament Winding, and Pultrusion Applications)⁵

3. Post and Line Caps

3.1 Post and line caps shall be fabricated from pressed steel or cast iron and hot-dip galvanized with a minimum of 1.2 oz/ft² [366 g/m²] of zinc coating of surface area, or from aluminum alloy 360.0 conforming to die cast Specification B 85, or sand cast or permanent mold alloy 356.0 or 713.0 conforming to Specification B 26/B 26M or B 108.

3.2 Post and line caps shall be designed to fit snugly over posts and exclude moisture from inside when tubular posts are used.

¹ This specification is under the jurisdiction of ASTM Committee F14 on Fences and is the direct responsibility of Subcommittee F14.40 on Chain Link Fence and Wire Accessories.

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² *Annual Book of ASTM Standards*, Vol 01.06.

³ *Annual Book of ASTM Standards*, Vol 02.02.

⁴ *Annual Book of ASTM Standards*, Vol 03.02.

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