



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 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
- 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.

4. Rail and Brace Ends

4.1 Rail and brace ends, when required, 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 (see Specification B 85), or alloy 356.0 or 713.0 (see Specification B 26/B 26M or Specification B 108).

4.2 Rail and brace ends, or other approved means of

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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.