



Standard Specification for Zinc-Coated Steel Chain-Link Fence Fabric¹

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1. Scope

1.1 This specification covers zinc-coated steel chain-link fence fabric, zinc coated either before or after weaving.

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

2. Referenced Documents

2.1 ASTM Standards:

A 90 Test Method for Weight of Coating on Zinc-Coated (Galvanized) Iron or Steel Articles²

A 370 Test Methods and Definitions for Mechanical Testing of Steel Products³

A 700 Practices for Packaging, Marking, and Loading Methods for Steel Products for Domestic Shipment⁴

A 817 Specification for Metallic-Coated Steel Wire for Chain Link Fence Fabric²

B 6 Specification for Zinc (Slab Zinc)⁵

2.2 Federal Standard:

Fed. Std. No. 123 Marking for Shipments (Civil Agencies)⁶

2.3 Military Standards:

MIL-STD-129 Marking for Shipment and Storage⁶

MIL-STD 163 Steel Mill Products, Preparation for Shipment and Storage⁶

3. Terminology

3.1 Definitions of Terms Specific to This Standard:

3.1.1 *chain-link fence fabric*—a fencing material made from steel wire helically wound and interwoven in such a manner as to provide a continuous mesh without knots or ties except in the form of knuckling or of twisting the ends of the wires to form the selvage of the fabric.

3.1.2 *diamond count*—the number of diamond openings from one edge of the fabric to the other. The diamond count of a given fabric shall begin at the first completed diamond at one

edge and continue to the unfinished (½) or full opening at the other edge.

3.1.3 *knuckling*—the type of selvage obtained by interlocking adjacent pairs of wire ends and then bending the wire ends back into a loop. The loop shall be closed or nearly closed to a measurement less than the diameter of the wire.

3.1.4 *twisting*—the type of selvage obtained by twisting adjacent pairs of wire ends together in a close helix of 1½ machine turns, which is equivalent to 3 full twists, and cutting the wire ends at an angle. The wire ends beyond the twist shall be at least ¼ in. (6.4 mm) long. This type of selvage is not used on fabric with a mesh size of less than 2 in. (50.8 mm).

4. Ordering Information

4.1 Orders for chain-link fence fabric purchased to this specification shall include the following information:

4.1.1 Quantity (Section 14),

4.1.2 Zinc coated after weaving or before weaving (Section 5),

4.1.3 Size of mesh (Section 7),

4.1.4 Size of wire (Section 8),

4.1.5 Height of fabric (Section 9),

4.1.6 Diamond count, if specified (Section 6),

4.1.7 Type of selvage (Section 10),

4.1.8 Class of coating (Section 11),

4.1.9 ASTM designation and year of issue, and

4.1.10 Certification if required (Section 17).

4.2 All rolls of fencing accepted by the purchaser shall be billed on the basis of the original footage of the rolls before sampling, unless changed by contractual arrangement.

NOTE 1—A typical ordering description is as follows: 25 rolls, 50 ft each, chain-link fence fabric, zinc coated after weaving, 2-in. mesh, 0.148-in. wire, 60 in. high, knuckled both selvages, Class 2 coating to ASTM A —392–XX.

5. Materials

5.1 If zinc-coated before weaving, the wire from which the fabric is woven shall conform to all requirements of Specification A 817 for Type II coating, in the class of coating specified (Class 1 or Class 2).

5.2 If zinc-coated after weaving, the base metal shall be steel of such quality and purity that, when drawn to the size of wire specified and coated with zinc after fabrication, the

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² Annual Book of ASTM Standards, Vol 01.06.

³ Annual Book of ASTM Standards, Vol 01.03.

⁴ Annual Book of ASTM Standards, Vol 01.05.

⁵ Annual Book of ASTM Standards, Vol 02.04.

⁶ Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5094, Attn: NPODS.

APPENDIX

(Nonmandatory Information)

X1.

TABLE X1.1 Approximate Metric Equivalents for Tables 1 and 2

Sizes of Wire and Mesh		Height of Fence Fabric	
in.	mm	in.	mm
0.192	4.88	36	910
0.148	3.76	42	1070
0.120	3.05	48	1220
0.113	2.87	60	1520
1	25	72	1830
1 $\frac{3}{4}$	44	84	2130
2	50	96	2440
2 $\frac{1}{8}$	54	108	2740
		120	3050
		144	3660

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