

Zinc Coated (Galvanized) Steel Chain Link Fence Fabric

1. PRODUCT NAME

Zinc Coated (Galvanized) Steel Chain Link Fence Fabric

2. MANUFACTURER

Southwestern Wire, Inc.
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Norman, OK 73070
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3. PRODUCT DESCRIPTION

Basic Use:

Zinc coated (galvanized) steel chain link fence fabric is suitable for commercial, industrial, institutional and recreational applications. Zinc coated fabric is specified by many government jurisdictions for use in prison, road, dock, airport, housing, forestry and military applications.

Composition and Materials:

Southwestern Wire's Zinc Coated steel chain link fence fabric is produced by first cold-drawing good quality commercial grade steel rod into wire of the appropriate diameter and tensile. The open hearth, electric furnace or basic oxygen process produces the steel rod from which the wire is drawn.

A zinc coating is applied before weaving the wire into fabric. Consistent zinc coating weights of up to 2 oz./sq.ft. are obtained by using state of the art gas wipe galvanization systems. The basic wire is cleaned, submerged in molten zinc and then passed through various cooling and wiping stations, resulting in a uniform coating around the entire surface of the wire. The zinc-coated wire is then woven into chain link fabric of the appropriate height and mesh. The fabric is free and flexible at all joints, free of excess zinc clumps and smooth to the touch.

The Zinc used for the coating conforms to the requirements of ASTM specification B6.

Standards:

ASTM A 392 Zinc-Coated Steel Chain Link Fence Fabric
ASTM F567 Installation of Chain Link Fence
ASTM A 817 *Standard Specification for Metallic-Coated Steel Wire for Chain-Link Fence Fabric and Marcellled Tension Wire*
ASTM B6 Zinc (Slab Zinc)
Federal specification RR-F-191K/1D
Type 1, Fencing, Wire and Post Metal (Chain-Link Fence Fabric)
American Association of State Highway Transportation Officials
M-181 Chain Link Fence, Type 1

4. TECHNICAL DATA

General:

The manufacturer, if requested, will supply samples and certification that all materials furnished fully comply with the appropriate specifications.

Chain Link Fence Fabric:

The base metal of the chain link fence fabric is composed of commercial quality medium-carbon wire. The weight of zinc coating, wire sizes with allowable variances, and wire breaking strength, as shown in Table 2, conform to ASTM A817 for the wire size specified. The fabric is zinc coated before weaving...

While other methods may be available to zinc coat chain link fabric after it is woven, galvanized fabric woven with 11 Gauge or larger wire with mesh sizes less than 1-3/4" must be manufactured from wire which has been zinc coated before weaving.

Sizes:

Galvanized fabric is available in mesh sizes from 3/8 in. to 2 in. (10 mm to 50mm), and in heights from 36 inches to 240 inches (910 mm to 6,100 mm). See Table 1.

Unless otherwise specified, chain link fence fabric woven with a 2 inch (50 mm) mesh and 60 inches (1,520 mm) or less in height is knuckled at both selvages; for fabrics 72 inches (1,830 mm) and above the selvages are knuckled at one edge and twisted at the other. All fabrics woven into mesh sizes under 2 in. are knuckled at both selvages.

5. INSTALLATION

Install chain link fence fabric in accordance with ASTM Practice 567.

6. AVAILABILITY AND COST

Availability:

Zinc coated steel chain link fence fabric is available for shipment throughout the United States and worldwide.

Cost:

Material costs may vary depending on specific requirements. Costs may be obtained by calling Southwestern Wire, Inc. or one of their stocking dealers.

7. WARRANTY

Class 2 galvanized steel chain link fence fabric is warranted for 15 years against failure due to rust or corrosion.

8. MAINTENANCE

Periodic inspection is recommended but no routine maintenance is required.

9. TECHNICAL SERVICES

Technical services are available at Southwestern Wire,



Technical Specifications

Table 1 - Zinc Coated Chain Link Fabric Characteristics

Recommended Use	Mesh Sizes		Nominal Wire	Height of Fence Fabric	
	Available			Inch (mm)	
	Inch	mm	gauge		
Industrial/Commercial	2"	50	6	36(910),42(1,070),48(1,220),60(1,520), 72(1,830), 84(2,130), 96(2,440), 108(2,740), 120(3,050),144(3,660), 168(4,270), 192(4,880), 216(5,490), 240(6,100)	
			9	36(910),42(1,070),48(1,220),60(1,520), 72(1,830), 84(2,130), 96(2,440), 108(2,740), 120(3,050),144(3,660), 168(4,270), 192(4,880), 216(5,490), 240(6,100)	
			10	36(910),42(1,070),48(1,220),60(1,520), 72(1,830), 84(2,130), 96(2,440), 108(2,740), 120(3,050),144(3,660), 168(4,270), 192(4,880), 216(5,490), 240(6,100)	
			11	36(910),42(1,070),48(1,220),60(1,520), 72(1,830), 84(2,130), 96(2,440), 108(2,740), 120(3,050),144(3,660), 168(4,270), 192(4,880), 216(5,490), 240(6,100)	
Industrial/Security	1"	25	6	36(910),42(1,070),48(1,220),60(1,520), 72(1,830), 84(2,130), 96(2,440), 108(2,740), 120(3,050),144(3,660), 168(4,270), 192(4,880), 216(5,490), 240(6,100)	
			9	36(910),42(1,070),48(1,220),60(1,520), 72(1,830), 84(2,130), 96(2,440), 108(2,740), 120(3,050),144(3,660), 168(4,270), 192(4,880), 216(5,490), 240(6,100)	
			9	36(910),42(1,070),48(1,220),60(1,520), 72(1,830), 84(2,130), 96(2,440), 108(2,740), 120(3,050),144(3,660), 168(4,270), 192(4,880), 216(5,490), 240(6,100)	
			11	36(910),42(1,070),48(1,220),60(1,520), 72(1,830), 84(2,130), 96(2,440), 108(2,740), 120(3,050),144(3,660), 168(4,270), 192(4,880), 216(5,490), 240(6,100)	
Security	1"	25	9	36(910),42(1,070),48(1,220),60(1,520), 72(1,830), 84(2,130), 96(2,440), 108(2,740), 120(3,050),144(3,660), 168(4,270), 192(4,880), 216(5,490), 240(6,100)	
			11	36(910),42(1,070),48(1,220),60(1,520), 72(1,830), 84(2,130), 96(2,440), 108(2,740), 120(3,050),144(3,660), 168(4,270), 192(4,880), 216(5,490), 240(6,100)	
	3/4"	19	9	36(910),42(1,070),48(1,220),60(1,520), 72(1,830), 84(2,130), 96(2,440), 108(2,740), 120(3,050),144(3,660), 168(4,270), 192(4,880), 216(5,490), 240(6,100)	
			11	36(910),42(1,070),48(1,220),60(1,520), 72(1,830), 84(2,130), 96(2,440), 108(2,740), 120(3,050),144(3,660), 168(4,270), 192(4,880), 216(5,490), 240(6,100)	
	5/8"	16	9	36(910),42(1,070),48(1,220),60(1,520), 72(1,830), 84(2,130), 96(2,440), 108(2,740), 120(3,050),144(3,660), 168(4,270), 192(4,880), 216(5,490), 240(6,100)	
			11	36(910),42(1,070),48(1,220),60(1,520), 72(1,830), 84(2,130), 96(2,440), 108(2,740), 120(3,050),144(3,660), 168(4,270), 192(4,880), 216(5,490), 240(6,100)	
	1/2"	13	9	36(910),42(1,070),48(1,220),60(1,520), 72(1,830), 84(2,130), 96(2,440), 108(2,740), 120(3,050),144(3,660), 168(4,270), 192(4,880), 216(5,490), 240(6,100)	
			11	36(910),42(1,070),48(1,220),60(1,520), 72(1,830), 84(2,130), 96(2,440), 108(2,740), 120(3,050),144(3,660), 168(4,270), 192(4,880), 216(5,490), 240(6,100)	
	3/8"	10	10	36(910),42(1,070),48(1,220),60(1,520), 72(1,830), 84(2,130), 96(2,440), 108(2,740), 120(3,050),144(3,660), 168(4,270), 192(4,880), 216(5,490), 240(6,100)	
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Tennis Court	1-3/4"	44	9	36(910),42(1,070),48(1,220),60(1,520), 72(1,830), 84(2,130), 96(2,440), 108(2,740), 120(3,050),144(3,660), 168(4,270), 192(4,880), 216(5,490), 240(6,100)	
			11	36(910),42(1,070),48(1,220),60(1,520), 72(1,830), 84(2,130), 96(2,440), 108(2,740), 120(3,050),144(3,660), 168(4,270), 192(4,880), 216(5,490), 240(6,100)	

Notes to tables:

Red text indicates conformance with ASTM A-382

Fabric with other characteristics may be available. Contact the Sales Department at 1-800-348-9473

Table 2 - Zinc Coated Wire Characteristics

Nominal Coated Wire			Allowable Variance		Zinc Coating Weight, min.				Breaking Strength	
Diameter					Class 1		Class 2		minimum	
Gauge	Inch	mm	Inch	mm	oz/ft ²	g/m ²	oz/ft ²	g/m ²	lbf	Newtons
6	0.192	4.88	+0.005	+ 0.13	1.20	366	2.00	610	2,170	9,650
9	0.148	3.76	+0.005	+0.13	1.20	366	2.00	610	1,290	5,740
11	0.120	3.05	+0.005	+0.13	1.20	366	2.00	610	850	3,780

Breaking strength (Table 2) based on a minimum tensile strength of 75,000 psi.

