

Galvanized Before Weaving (GBW) Chain Link Systems



FENCE SOLUTIONS IN ORNAMENTAL • CHAIN LINK • WOOD • PVC • ACCESS CONTROL • TEMPORARY WWW.MERCHANTSMETALS.COM 866-888-5611



Product Features:

- 15-Year Limited Warranty
- Residential, Commercial, Industrial and High Security Applications
- Matching Framework, Fittings and Gates Available

GBW Wire Class:

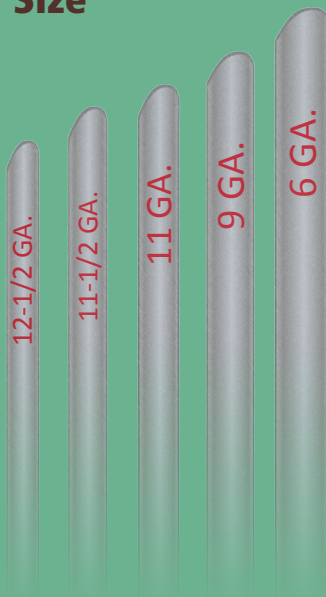
Type II, Class 3:

Contains between 0.8 and 1.0 oz/ft² of zinc coating depending on diameter of wire

Type II, Class 4:

Contains minimum of 1.2 oz/ft² of zinc coating

Measuring Gauge Size



GBW Chain Link Fence Systems

With a long reputation for endurance and strength, chain link is one of the most widely used fence systems today and offers cost effective and economical solutions for residential, commercial, institutional and industrial applications.

Fabric

GBW fabric, also referred to as *Galvanized Before Weaving*, is produced from wire which is first galvanized with a zinc coating and then woven into fabric. Prior to weaving, the wire is cleaned and drawn through a bath of molten zinc using the hot-dip process. The wire goes through several wiping stations to ensure a clean and even coating around the entire surface resulting in flexible joints and ease of installation.

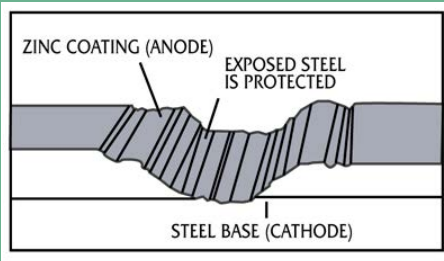
Manufactured to the demanding requirements of ASTM specification A817, Merchants Metals Galvanized Before Weaving (GBW) Chain Link Fabric provides long-lasting security and protection. GBW fabric made with a minimum of 11-gauge wire carries a 15-Year Limited Warranty against rust and corrosion.

GBW chain link fence fabric is available in a variety of gauges and mesh sizes, and is produced in heights of 36", 42", 48", 60", 72", 84", 96", 120", and 144".

GALVANIZED BEFORE WEAVING (GBW) CHAIN LINK MESH AND GAUGE SIZE CHART					
GALVANIZED COATED MESH SIZES	12-1/2 GAUGE	11-1/2 GAUGE	11 GAUGE	9 GAUGE	6 GAUGE
2-3/8"	✓	✓			
2-1/4"	✓	✓			
2"			✓	✓	✓
1-3/4"			✓	✓	✓
1-1/4"			✓	✓	
1"			✓	✓	

Self Healing of ZINC

All zinc coatings have “self healing,” or cathodic properties which protect exposed core metal. Even after years of wear, the remaining zinc stays alive. Zinc is the most electrochemically active of all metals used for protective coatings. Meaning, zinc provides a far superior coating in both barrier and cathodic protection.



Zinc Protects Base Steel Even When Scratched:

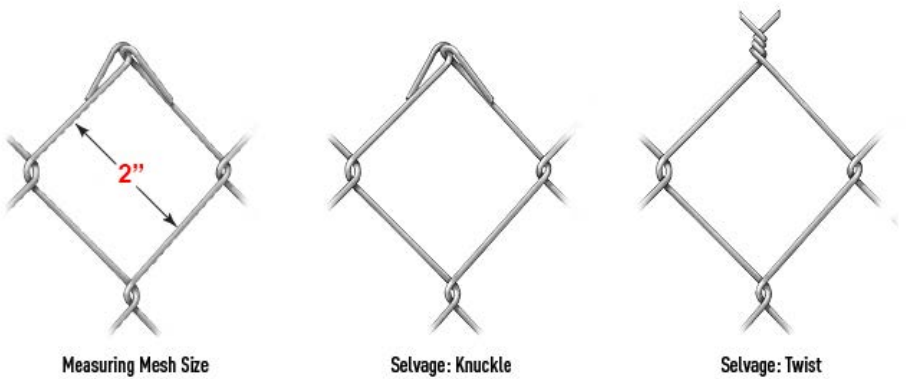
This is what happens at a scratch on galvanized steel. The zinc coating sacrifices itself slowly by galvanic action to protect the base steel. This sacrificial action continues as long as any zinc remains in the immediate area.

Fabric Terminology

Gauge: Refers to the diameter of the wire used to produce the fabric; the higher the gauge number the smaller the wire diameter.

Mesh Size: Is the clear distance between parallel wires forming a diamond; the smaller the mesh size, the tighter the fabric.

Selvage: Refers to the way the individual ends of the wire are finished after being woven together. The wire can be “knuckled” to avoid sharp ends or “Twisted” when more security is required.



Framework

Having strong framework is important when installing a chain link fence as it is the backbone of the entire structure. Make sure you are choosing the right components to withstand all application conditions.

Matching galvanized steel framework is available in a variety of gauge and diameter sizes, for 3’ to 12’ high chain link fence systems.



WALL THICKNESS OF GALVANIZED FRAMEWORK

FRAME- WORK DIAMETER	FRAMEWORK GAUGE							
	18 gauge	17 gauge	16 gauge	LG - 15	LG - 20	LG - 30	LG - 40	SCH. 40
1-3/8"	.047"	.055"	.065"	.072"	.080"		.104"	
1-5/8"	.047"	.055"	.065"	.072"	.085"	.095"	.111"	.140"
1-7/8"	.047"	.055"	.065"	.072"	.090"	.105"	.120"	.145"
2-3/8"	.047"	.055"	.065"	.072"	.095"	.115"	.130"	.154"
2-7/8"					.110"	.125"	.160"	.203"
3-1/2"						.145"	.160"	.216"
4"						.145"	.160"	.226"
6-5/8"								.280"
8-5/8"								.322"

Additional Fence Solutions

Merchants Metals is one of the largest manufacturers and distributors of fence systems in the nation. Our complete line of fencing solutions for residential, commercial and industrial applications includes:

- Hot-Dipped Galvanized Chain Link
- Color Coated Chain Link
- Steel Ornamental in both Component and Fully-Welded Systems
- Aluminum Ornamental Systems
- Wood Fence
- PVC Fence
- Temporary Fence
- Aluminum Track Gates
- Access Control Products
- Guardrail
- Pre-hung Security Gates
- Welded Wire

All Merchants Metals products are available through professional fence contractors nationwide.

To find out more about Merchants Metals and the fencing solutions we offer, please call 866.888.5611 or visit www.merchantsmetals.com.



AIA Continuing Education



ORNAMENTAL



PVC



CHAIN LINK



WOOD



GATES



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