

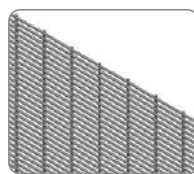


A1 ArmorMesh Level I

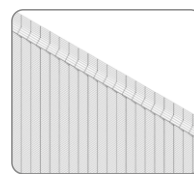
High Security Welded Wire Mesh Fencing System

Engineered to deter climbing, restrict unauthorized access, and provide reliable perimeter protection for commercial, industrial, utility, and infrastructure applications.

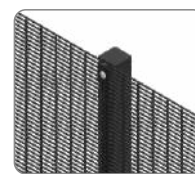
AVAILABLE CONFIGURATIONS



Flat Welded
Mesh Panel



V-Bend
Reinforced Panel

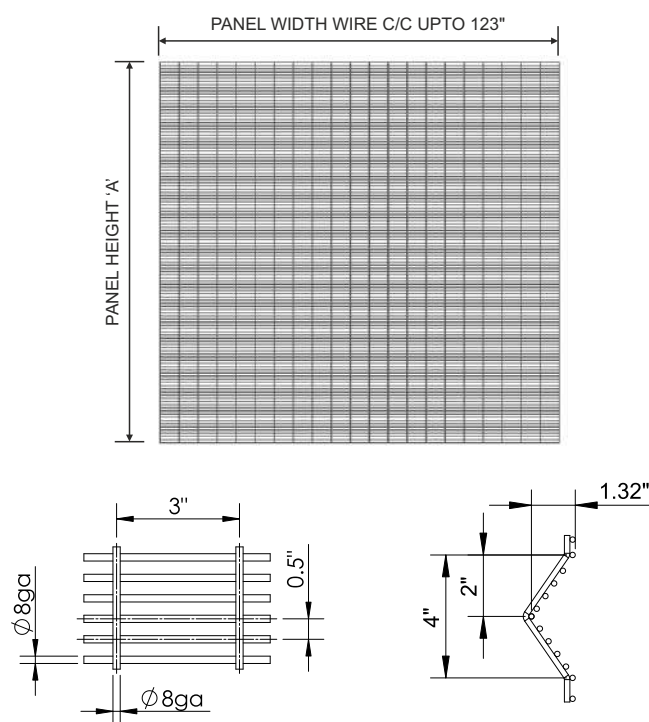


Multiple post
compatibility

WELDED MESH PANEL SPECIFICATIONS

Parameter	Specifications
Mesh Size	3" × 0.5"
Panel Width	Upto 123"
Panel Heights	48" / 60" / 72" / 84" / 96" / 108" / 120"
Wire Diameter	8ga i.e. 0.162" ± 0.003"
Tensile Strength	75–105 KSI
Finish	Galvanized Before Welding (GBW) Galvanized After Welding (GAW) Powder Coated (GBW+PC)
Zinc Coating	Min 0.5 oz/sqft [GBW] Min 1.2 oz/sqft [GAW] 3. min 0.5 oz/sqft [GBW+PC]
Coating Thickness	60–80 microns [2.4–3.15 mils]
Color Options	Black / White / Bronze / Desert Tan / Olive Drab

TECHNICAL DRAWING



MESH DETAIL VIEW

CODE APPROVALS & PERFORMANCE STANDARDS

A1 ArmorMesh Level I fencing systems are manufactured in accordance with recognized ASTM standards to ensure structural integrity, coating performance, and long-term perimeter security.



ASTM F2919/F2919M

Standard Specification for Welded Wire Mesh Fence Fabric (Metallic-Coated or Polymer Coated) with Variable Mesh Patterns or Meshes Greater than 6 in.2 [3871 mm²] in Panels



ASTM A641/A641M

Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire



ASTM A653/A653M

Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot-Dip Process



ASTM A90/A90M

Standard Test Method for Weight [Mass] of Coating on Iron and Steel Articles with Zinc or Zinc-Alloy Coatings



A123/A123M

Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products



ASTM A853

Standard Specification for Steel Wire, Carbon, for General Use



ASTM A1064/A1064M

Standard Specification for Carbon-Steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete



ASTM B117

Standard Practice for Operating Salt Spray (Fog) Apparatus



ASTM D523

Test Method for Specular Gloss



ASTM D3359

Test Method for Measuring Adhesion by Tape Test



ASTM D2794

Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact)

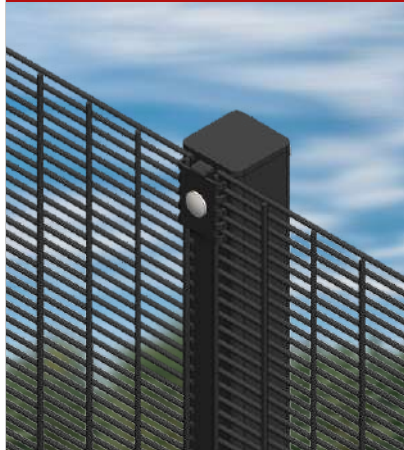


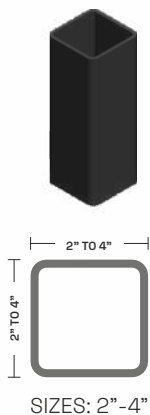
ISO 2178

Non-Magnetic Coatings on Magnetic Substrates—Measurement of Coating Thickness—Magnetic

FENCE POST OPTIONS

SHS POST

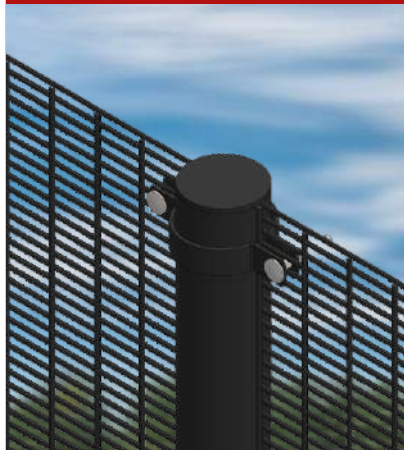


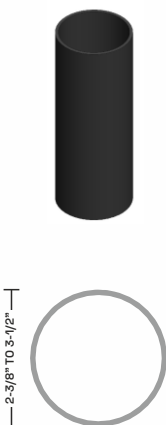


SIZES: 2"-4"

Parameter	Specifications
Section Type	HSS [Hollow Structural Section]
Sizes	2"-4"
Lengths	84" / 96" / 108" / 132" / 144" / 180"
Mounting	Embedded / Base Plate
Zinc Coating	Min. 1.0 oz/sqft
Finish	Polyester Powder Coated
Post Cap	Metal/ PVC
Coating Thickness	Min. 60 Microns

CHS POST

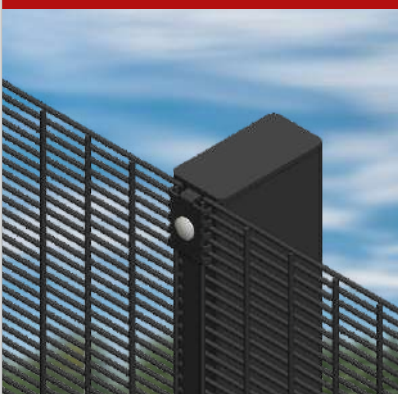




2-3/8" TO 3-1/2"

Parameter	Specifications
Section Type	Circular Hollow Section
Size	2-3/8" / 3" / 3-1/2"
Post Length	84" / 96" / 108" / 132" / 144" / 180"
Zinc Coating	Embedded / Base Plate
Mounting	Min. 1.0 oz/sqft
Finish	Polyester Powder Coated
Post Cap	PVC / Steel
Coating Thickness	Min. 60 Microns

RHS POST





2-3/8" 4-5/8"

Parameter	Specifications
Section Type	Hollow Rectangular Section
Sizes	4-5/8" × 2-3/8"
Post Length	84" / 96" / 108" / 132" / 144" / 180"
Mounting	Embedded / Base Plate
Zinc Coating	Min. 1.0 oz/sqft
Finish	Polyester Powder Coated
Post Cap	Flat Steel Cap / PVC Cap

SYSTEM ACCESSORIES & HARDWARE

SPIDER BRACKET



Parameter	Specifications
Compatible Posts	Square & Rectangular
Size	2" – 4" HSS
Finish	Polyester Coated
Zinc Coating	Min. 0.6 oz/sqft
Coating Thickness	Min. 60 Microns

OMEGA SHAPE BRACKET



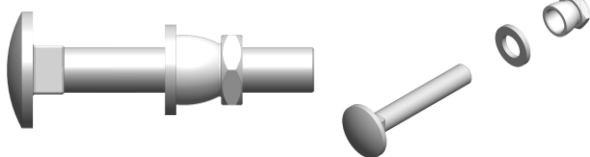
Parameter	Specifications
Compatible Posts	CHS
Sizes	2-3/8" & 3"
Finish	Polyester Coated
Zinc Coating	Min. 0.6 oz/sqft
Coating Thickness	Min. 60 Microns

FLAT COVER PLATE



Parameter	Specifications
Compatible Posts	2" & 3"
Length	As per system height
Zinc Coating	Min. 1.2 oz/sqft
Coating Thickness	Min. 60 Microns
Finish	Polyester Coated

SECURITY FASTENERS



Parameter	Specifications
Type	Carriage Bolt with Breakaway Nut
Diameter	5/16"
Bolt Length	Multiple Options
Finish	Stainless Steel 304

CHOSEN FOR PROJECTS WHERE PERIMETER SECURITY COMES FIRST



ASTM
COMPLIANT



BUILD AMERICA
BUY AMERICA



MANUFACTURED IN
HOUSTON, TEXAS



LIMITED 10 YEARS
WARRANTY



QR CODE TO
PRODUCT PAGE

