

AMIGUARD

PERIMETER SYSTEM



AMIGUARD™
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DIAMOND TOUGH PERIMETER PROTECTION

AMIGUARD™ PERIMETER SYSTEM



AMIGUARD™ is a complete “unitized” perimeter security system which incorporates many innovative components, tied together creating a unified curtain wall perimeter barrier.

AMICO offers its products in both galvanized and powder coated finishes, with a 10 year limited warranty.

AMIGUARD's unique approach incorporates innovative solutions to solve common high security concerns including aesthetics, a seamless design, and ease of installation.

UNITIZED CONSTRUCTION

AMICO's unitized construction method ties together the entire perimeter system and anchors it to the ground through our Amiguard Posts™. The full length of the fence is tied together using longitudinal Infini-Rails™. This ensures that any load or impact to the fence is distributed throughout the entire system, greatly enhancing the strength of Amiguard™. Each panel is tied together and through bolted to the framework with Diamond Fasteners™ and Finish Plates™. This creates a curtain wall, greatly enhancing the strength of the system.



WIND LOAD AND BREACH TESTING

The Amiguard™ system is one of the most thoroughly engineered and tested perimeter systems on the market today. This revolutionary perimeter barrier was developed to maximize strength, wind load, and breach time under specific ASTM standards. AMICO engineers have conducted Finite Element Analysis to verify Amiguard's strength under specific loads. The results were then tested and verified at Georgia Tech's aerospace wind tunnel.





AMIGUARD POSTS™

Amiguard's prefabricated posts are specifically designed to anchor the entire system to the ground. Unlike other fences, AMIGUARD POSTS™ are plasma cut to allow the Infini-Rail™ to pass directly through the post eliminating the need for fittings and hardware which are typical weak points within the system. This feature also significantly reduces installation time and cost by eliminating fittings, clamps and the need to cut the rails during installation.



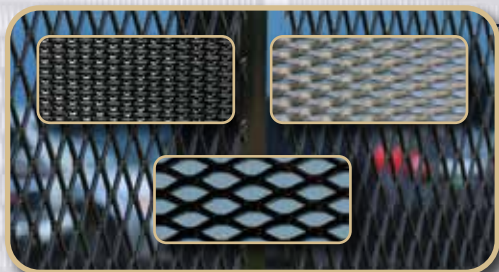
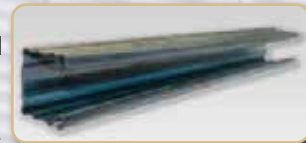
SECURA - SLEEVE™

The AMICO Secura-Sleeve™ is a two part insert that slides through the AMIGUARD POSTS™ to provide a smooth surface to pass the Infini-Rail™ through. Secura-Sleeve™ prevents water intrusion which would result in corrosion and freeze expansion that would compromise the performance and longevity of the system.



INFINI-RAIL™

Infini-Rail™ is AMICO's continuous rail design which eliminates cutting rails between posts, typical in traditional fences. Infini-Rail™ is an engineered shape that is stronger and lighter than traditional rails. Infini-Rail™ ties the entire system together the full length of the fence. Additionally, it can discretely accommodate impact and fiber optic cables throughout the fence.



MESH and PANELS

The AMIGUARD™ system was designed to accommodate various types of infill. This allows customers to customize the system to defend against a wide array of threats. As the world's largest producer of meshes for security, AMICO offers a wide array of medium to high security designs. These meshes can be produced to meet many project specifications including: anti-climb, anti-cut, ballistic, visual screening and a broad spectrum of architectural appearances.



DIAMOND FASTENERS™

The AMIGUARD™ panels are attached to the structure by our Diamond Fasteners™, allowing you to bolt panels directly to the Infini-Rail™. Diamond Fasteners™ are another step in our unitized process providing a safe secure attachment that is extremely difficult to breach.



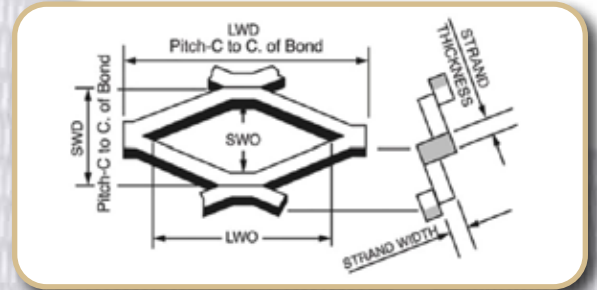
FINISH PLATES™

AMICO Finish Plates™ provide a seamless flow throughout the entire length of the fence. The Finish Plates are bolted through the mesh panels and into the AMIGUARD POSTS™. Finish Plates™ provide a smooth surface to eliminate pry points. This is the final step in AMICO's unitizing process – tying together the entire curtain wall while providing a finished, seamless and aesthetically pleasing appearance.

Also AMICO Security offers a complete line of walk gates, double drive and slide gates.

AMIGUARD™ MESHES

Each AMIGUARD™ Security Mesh panel goes through a process of slitting and stretching metal sheet to form the desired style. The Security Panel now has strands and intersecting strands called bonds forming a sharp angle to the original plane of the solid sheet. This process creates the unique pattern and allows a single sheet of metal to be processed into several sheets of Security Mesh Panels.



AMIGUARD Mesh Style	SWD	LWD	Weight per sq. ft. galv.	Overall Thickness	Percent Open Area
6100	.500"	1.20"	1.73 lbs	.212"	57%
6300	.923"	2.00"	1.95 lbs	.329"	68%
7100	.500"	1.20"	3.10 lbs	.275"	25%
7700	1.00"	2.40"	3.70 lbs	.550"	52%

Tolerances: Short Way of Diamond (SWD) & Long Way of Diamond (LWD) 0 + 0.25" per 12" of width.

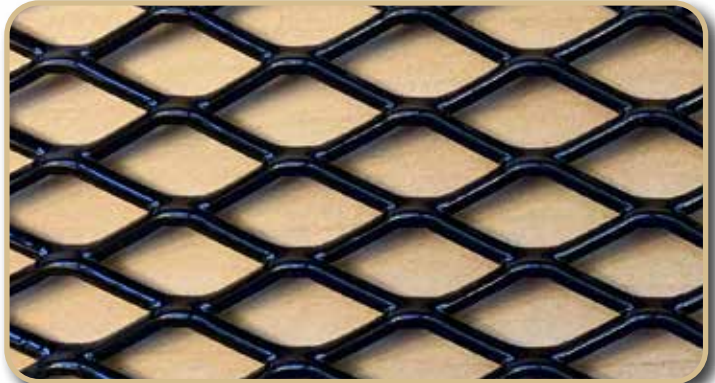


MESH STYLES

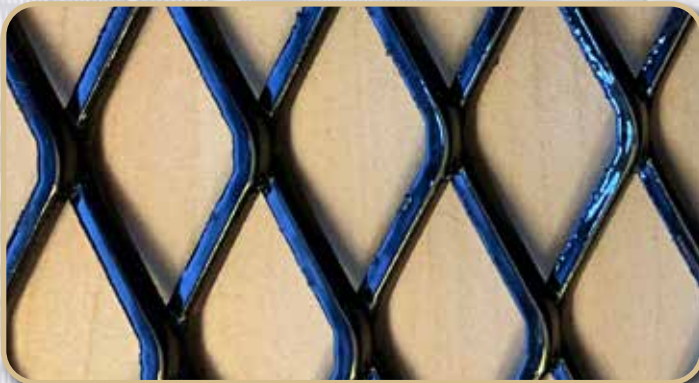
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AMIGUARD 6100 Mesh (vertical - standard)



AMIGUARD 6100 Mesh (horizontal - optional)

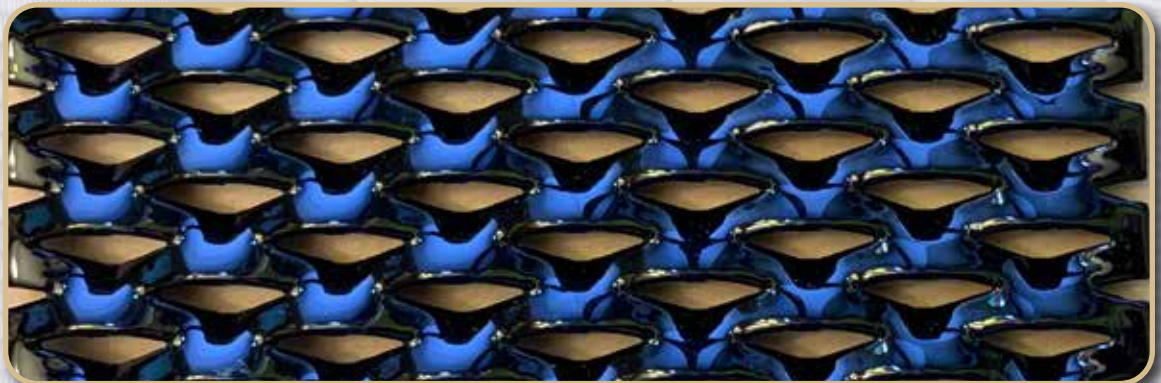


AMIGUARD 6300 Mesh (vertical - standard)



AMIGUARD 6300 Mesh (horizontal - optional)

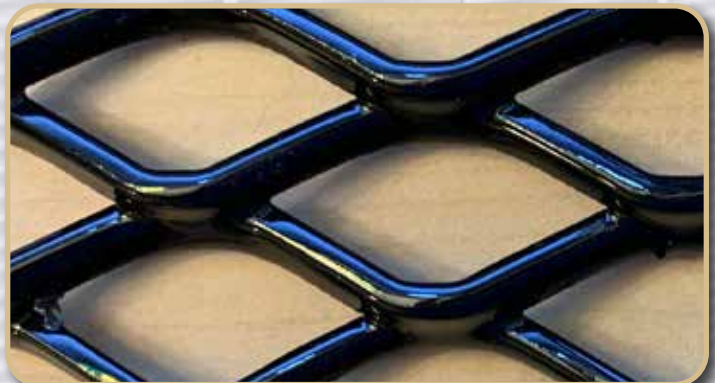
**All shown
in 1:1 scale**



AMIGUARD 7100 Mesh (horizontal only)



AMIGUARD 7700 Mesh (vertical - standard)



AMIGUARD 7700 Mesh (horizontal - optional)

AMIGUARD™ 5000 SERIES MESHES

The AMIGUARD™ System is compatible with the AMIGUARD™ 5000 Series Wire Meshes. The Wire Meshes enhance the safety in a cost effective system without compromising the visibility or aesthetics. The AMICO Security Wire system includes the 5500 double wire mesh, the 5600 3D wire mesh and the 5700 wire mesh for enhanced security. These meshes are coated with a polyester powder coating over galvanized wire. Panels come in 8 or 10 feet height.



AMIGUARD 5700 Mesh shown in 1:1 scale

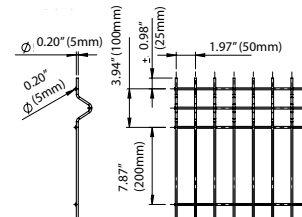
5700 Mesh

The 5700 mesh is a wire perimeter security system. The design makes it extremely difficult to scale or cut the fence without compromising visibility or aesthetics. The 0.5" spacing between the wires prevents getting a foothold for climbing, and it delays or deters cutting as power tools won't fit in.



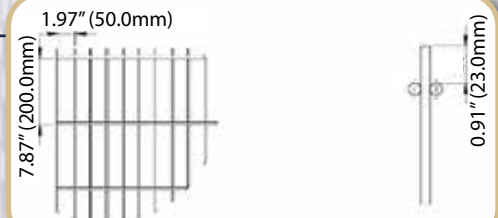
5600 Mesh

The 5600 3D V-mesh is a cost effective solution for schools, residential, public and light industry applications. The 5600 Mesh is ideal for the AMIGUARD™ rail-less Spider Clamp System since the integrated V gives the 5600 Mesh a structural rigidity similar to a fence mounted on a rail system.



5500 Mesh

The 5500 mesh is a durable double wire panel and is available in hot dipped galvanized finish or the standard polyester powder coating over galvanized wire. These very solid 8/6/8 double wire fences are perfectly suited for industrial estates, sports stadiums, public buildings, airfields, schools, etc. The threaded rods are welded at the intersections so that these wire panels observe high safety standards.



For further information on AMIGUARD™ 5000 Series meshes please refer to the AMIGUARD™ 5000 brochure.

3 STEP UNITIZED INSTALLATION

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STEP 1

Infiniti-Rail™ slides through the AMIGUARD POSTS™



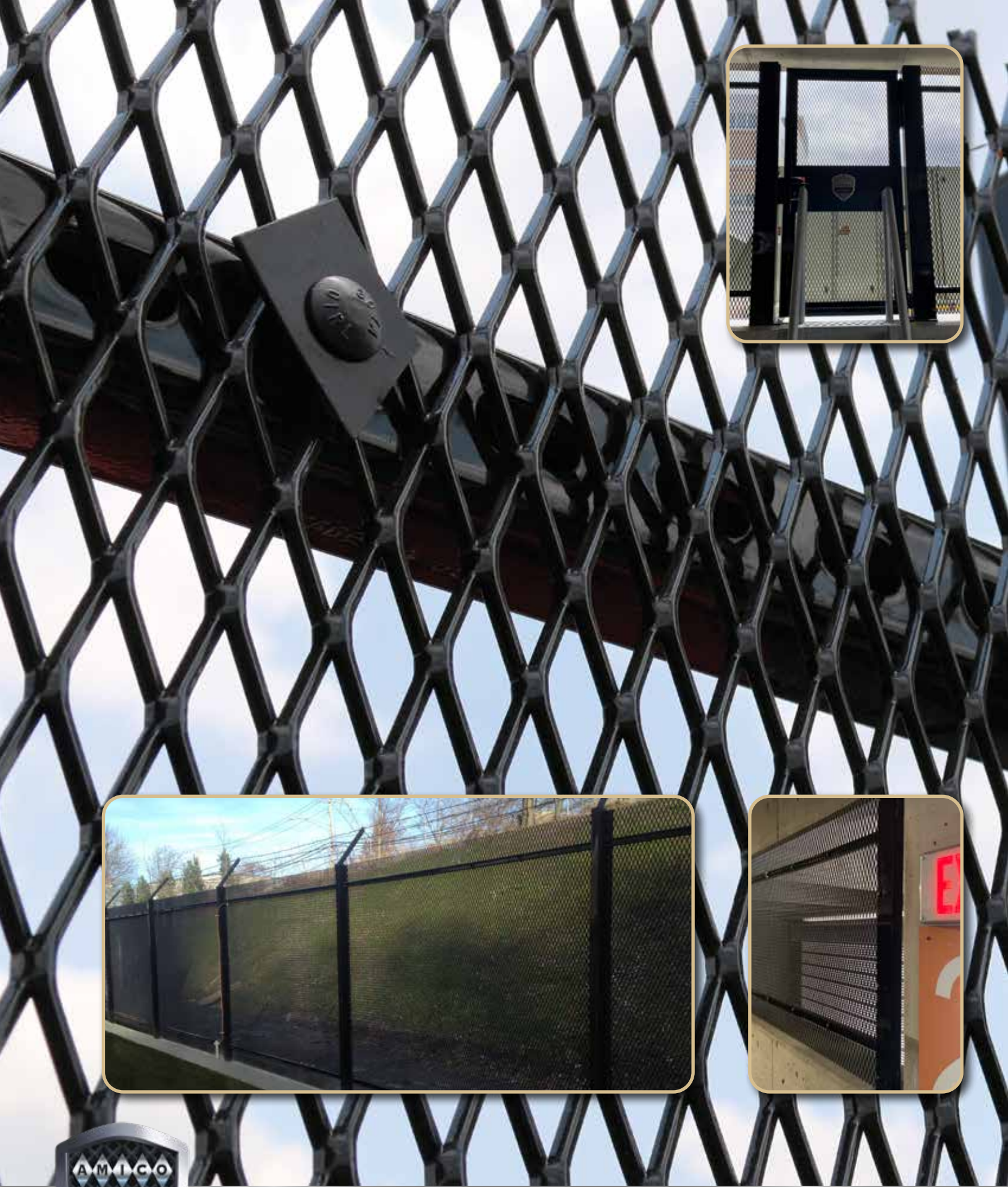
STEP 2

Panels are bolted to the Infiniti-Rail™ with Diamond Fasteners™



STEP 3

Finish Plates™ attached to the AMIGUARD POSTS™ and bolted through the mesh with Diamond Fasteners™



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