

Made In
America

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AMERISTAR® HIGH SECURITY

Fences, Barriers & Obstacle Systems

STALWART®

IMPASSE®

DELTA FORCE®

STALWART®

Security Upgrade Options

Anti-Ram Cable Barrier



Ameristar's Stalwart® cabling system provides an anti-ram defense against forced entry, or vehicular impact. The Impasse rail provides a concealing tray for the cables. The Impasse™ posts and horizontal rails accept the Stalwart integrated cable system for added perimeter security. The Stalwart® can be installed as a stand-alone anti-ram barrier system as shown to the right or as an integral part of the Impasse® ornamental pale fence (see Pages 2 & 3 for Impasse styles). In several systems, the rails function as conduit trays that eliminate the need to trench for underground runs. This enables quicker installation and lowers the overall construction cost.

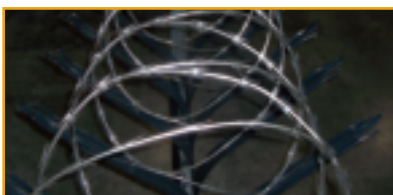


AMERISTAR® IMPASSE®
WITH STALWART® CABLE SYSTEM



This system has successfully tested to the US Department of State K8 and K12 ratings, stopping a 15,000 pound truck traveling at 40 mph and 50 mph, respectively.

• Barbed Tape



• Anti-Scale Screening System



• CCTV and Lighting Systems



• Intrusion Detection System (IDS)



Detect

Delay

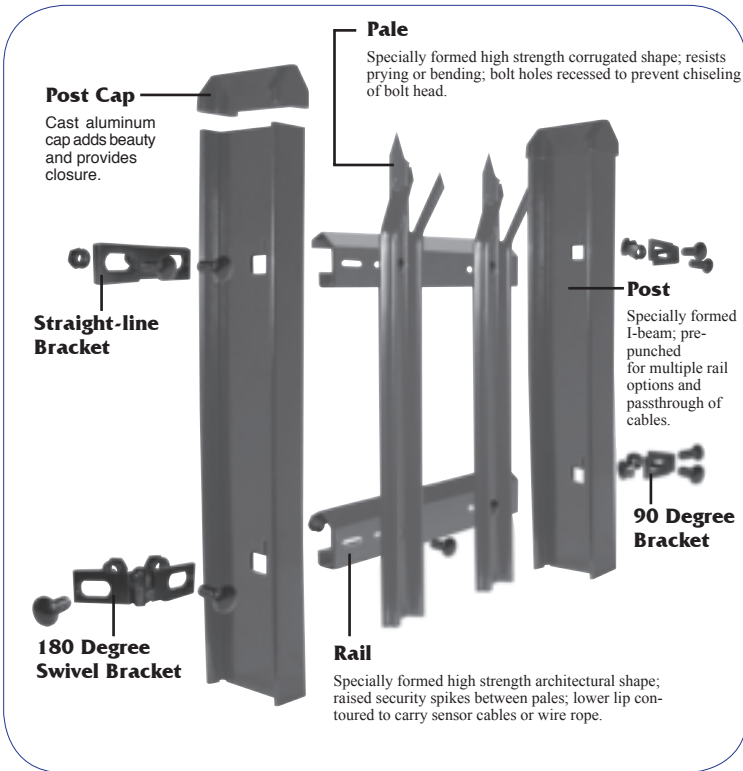
Deter

Deny

IMPASSE®

Ornamental Pale Security Fence

Traditional security fences of chain-link or wire mesh and barbed razor tape are no longer enough to meet today's increased security demands. They do not delay serious attacks or intrusion attempts for more than a few seconds. Ameristar's (Patent Pending) Impasse Security Fence offers the resistive strength of heavy-duty steel spears secured vertically to a framework of specially formed steel rails and I-beam posts. The stylish design of the Impasse, combined with its strength and security, provides a successful first line of defense. The structural configuration of the Impasse system not only delays aggressive attacks, but also allows for the seamless integration of additional security features such as anti-ram cables, sensors and alarm systems. Impasse carries a 15 year warranty.



Standard security features of the Impasse® fence include the unique roll-formed Impasse® I-beam which acts as a strong barrier to support the entire fence system. The mounting bracket, a solid steel flat bar, fits through slotted holes pre-punched into the post. Heavy stainless steel tamperproof nuts and bolts attach adjacent rails to either end of the mounting bracket, ensuring a solid and secure connection. Tamperproof carriage bolts fit snugly into the recessed depression on the face of each pale, deterring attempts to pry or chisel the bolt head.

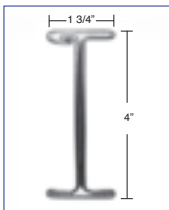


Break-Away Hex Nut

Stainless steel security nut prevents tampering or removal by normal tools.

The Impasse® Pale (picket) is designed with a special corrugated shape to ensure greater resistance to bending loads, particularly with attempts at pale separation.

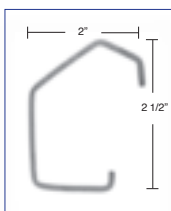
Impasse® I-Beam



Structural Parameters	Impasse® I-Beam	Std RSJ H-Post	Square Post		Round Post	
Architectural Profile of Post						
Bending Strength (lb/in)	93,700	68,875	36,950	54,520	24,400	43,900

NOTE: Materials roll-formed to achieve a double wall effective thickness of 0.200"

Impasse® Rail



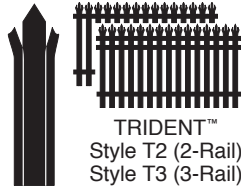
Structural Parameters		Impasse® Rail	Std RSA Rail	U-Channel Rail	Square Rail	Round Rail
Architectural Profile of Rail						
			2" x 2-1/2"	1-1/2" x 1-3/8"	1-1/2" x 1-1/2"	1-5/8" Dia
Design Load (Vert)	P _{vd} 6' Span	425	338	178	211	191
	P _{vd} 8' Span	319	253	134	158	143



IMPASSE®

STYLES

Trident™



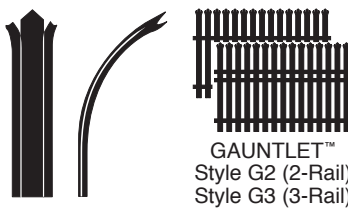
The Impasse® Trident™ is designed for high-risk security applications. It is the most suited first line of defense to surround a military installation, a government complex, an airport or seaport, a nuclear or chemical plant, a munitions facility or armory, a reservoir, or any other facility in need of the utmost protection from the possibility of attack. High-tensile steel corrugated pales rise above the topmost rail and terminate with a menacing triple-pointed and splayed spear tip.

Stronghold™



The blunt slightly rounded tip of the Stronghold™ is ideal for facilities like schools, hospitals, sports complexes, racetracks and other public situations where strength is necessary, but safety of the general populace is also an important design consideration.

Gauntlet®



The Gauntlet® is the most serious Impasse® design as it couples the fearsome triple point with an outward curve that discourages attempts to gain entry by climbing. Barbed tape can be attached to make an even more difficult obstacle.

Also available 4-Rail and 5-Rail

COLORS

Request Color Chip samples for actual color
SPECIAL COLORS AVAILABLE
UPON REQUEST



Black



Bronze



White



Desert Sand

BIASABILITY

No Stair Stepping Required



Panel will rack over 30 degrees without special drilling or assembly operations.

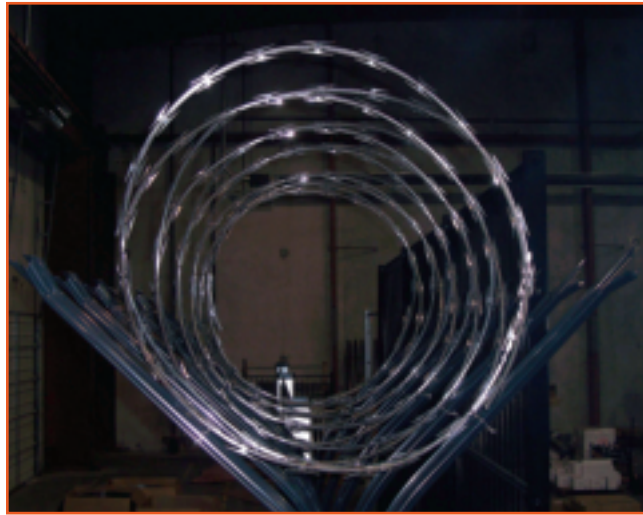
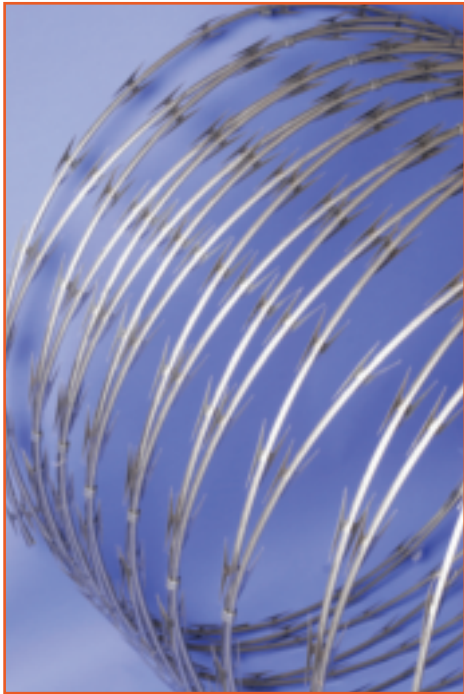
GATES



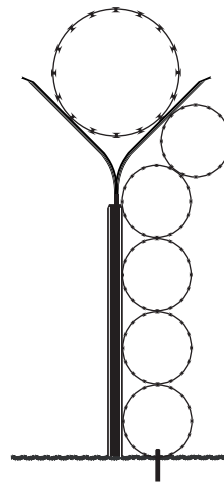
Contact the Ameristar Architectural Department for detailed information and literature on gates.

DELTA FORCE®

Delta Force® reinforced long-barbed helical and concertina systems are available in coil sizes from 18” to 60”, in both galvanized and stainless steel. Non-reinforced coils are also available for rapid deployment situations.



Delta Force® can be readily deployed as a security topping for any type of parapet type fence, including chain-link with barb arms or with ornamental security fencing such as the Impasse Gauntlet fence shown here.



Barbed Tape Entanglement System

Example:
Impasse® Extreme™
Hardened With
Extended
Gauntlet® Pales
& Delta Force®
DefCon Alpha®

Specifications

For specifications and more detailed information on Impasse High Security Ornamental Pale Fence Systems, Stalwart Anti-Ram Cable Barrier Systems and Delta Force Barbed Tape Obstacle and Entanglement Systems, see Ameristar’s Architectural Brochure, 32 31 00/AME.



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