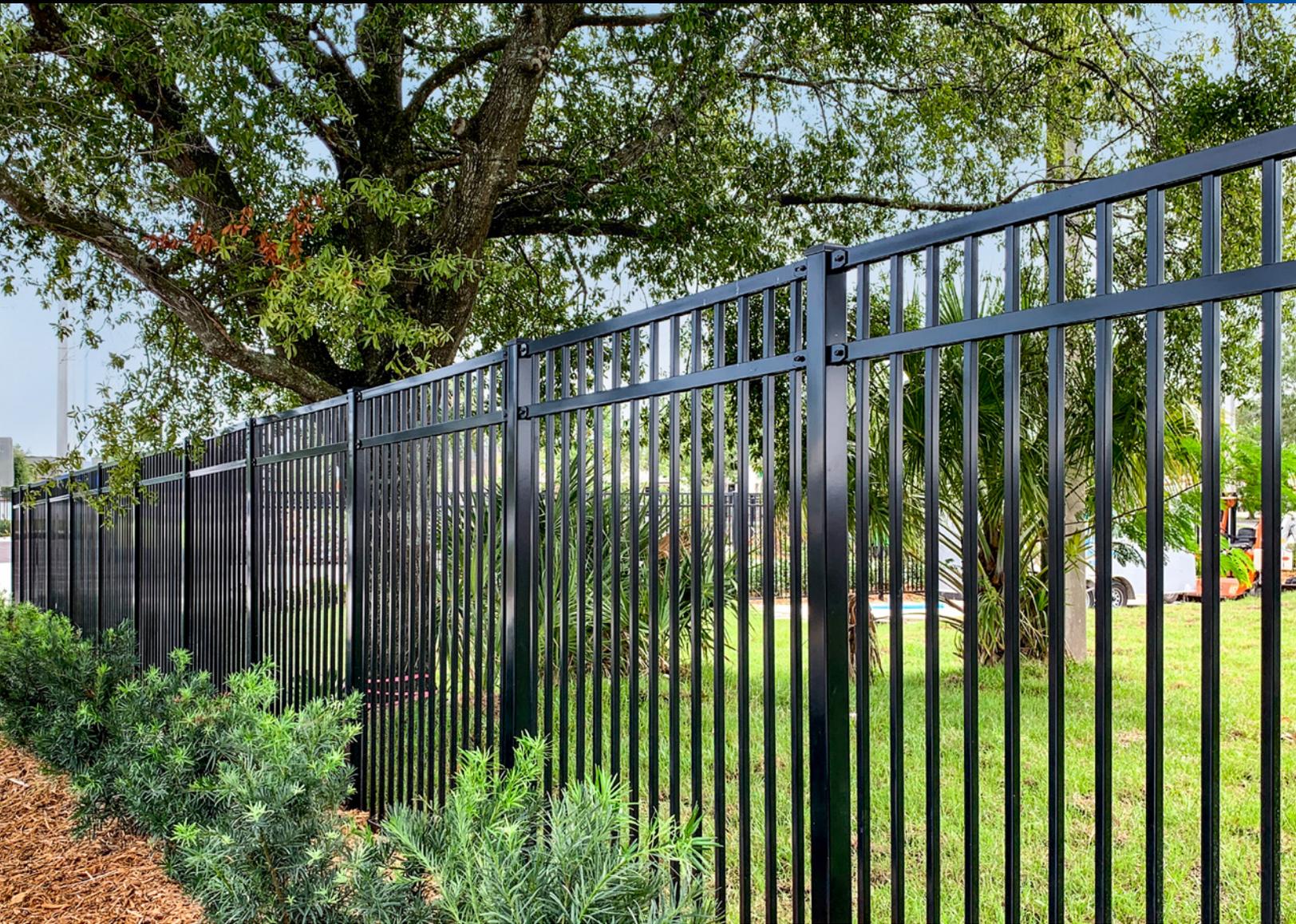


ECHELON II

Industrial Ornamental Aluminum Fence



FENCE PRODUCTS

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Experience a safer and more open world

AMERISTAR[®]

ASSA ABLOY



ECHELON II[®]

INDUSTRIAL ALUMINUM FENCE



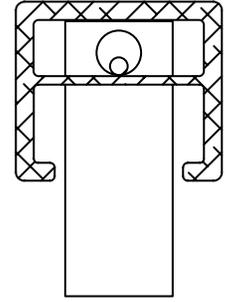
Echelon II is the strongest and most durable aluminum fence available in the industry. The ForeRunner rail design enables this fence to have several attributes uncommon to typical aluminum fences. Echelon II aluminum fence has a unique post design with an internal reinforcing web which increases the strength of the overall fence significantly.

The unrivaled strength and durability of Echelon II is International Building Code (IBC) compliant.

- Exceeds all IBC 2018 Handrail & Guards load requirements
- Standard 8 ft. panels yield project savings
- Unique rail design for strength and maximum load capacity

FORERUNNER® LOCKING SYSTEM

Ameristar engineered the Echelon II ForeRunner rail to maximize strength. The innovative design of the ForeRunner rail contains an internally-secured rod that allows for variable pitch connection and high-angle biasability and eliminates the need for external fasteners.



Rail Cross Section

Increased security

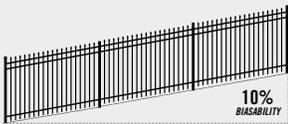
The ForeRunner rail, with an internal retaining rod, prevents the attachment from being compromised. Fasteners are not exposed.

Aesthetic details

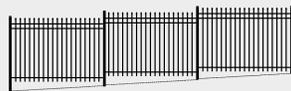
The “Good Neighbor Design” rod follows the ForeRunner centerline, providing a clean and uninterrupted look void of visible screws or rivets.

RACKABLE VS STAIR-STEP

Having a unique picket to rail connection allows Echelon products a minimum biasability of 10%, eliminating any possible security risks due to large gaps under the fence panels.



FULLY RACKABLE PANELS



STAIR-STEPPING PANELS



GROMMET

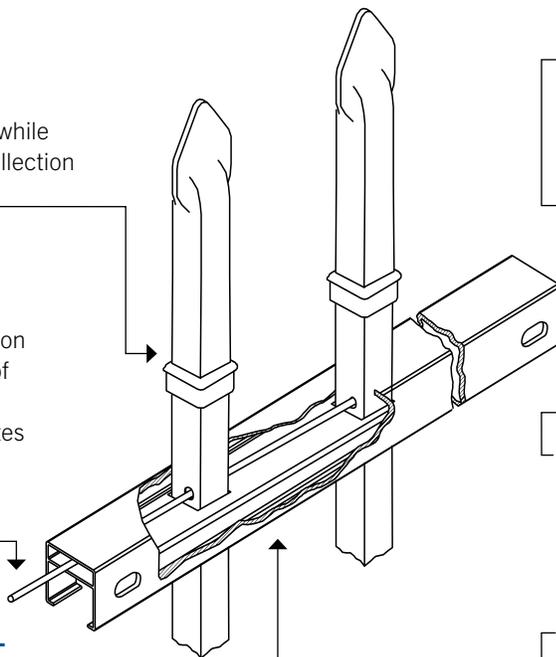
Aesthetic appearance while preventing moisture collection

INTERNAL RETAINING ROD

Variable pitch connection system provides ease of installation, high-angle biasability and eliminates unsightly external fasteners

FORERUNNER RAIL

Reengineered for optimal performance and strength



REINFORCED POST

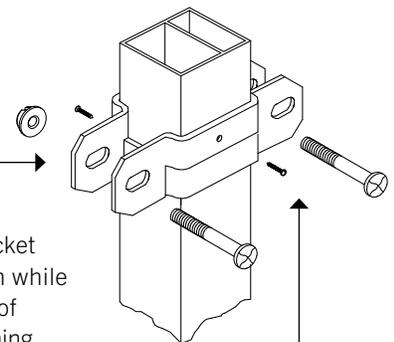
Center rib increases strength against wind loading and other horizontally applied forces

PANEL BRACKET

Universal Boulevard Bracket enables easy installation while allowing for adjustment of panel height and positioning

SECURITY FASTENER

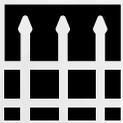
Security fastener secures the rail and deters removal by typical tools



NO RIVETS. NO SCREWS. NO WELDS.



STYLES



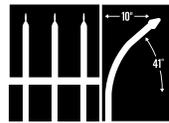
CLASSIC™



MAJESTIC™



GENESIS™



INVINCIBLE™

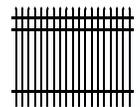
Note: Classic, Majestic, Genesis & Invincible 3- & 4-rail panels are IBC compliant.

BOTTOM OPTION

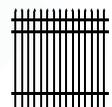


STANDARD
BOTTOM
RAIL

PANEL LENGTH



8' OPTION



6' OPTION

PICKETS

**1" SQ. X .062" /
.125" WALL***
**Invincible Only*

RAILS

**1.75" X 1.75" X (.070" SIDE & TOP WALL)
FORERUNNER® RAILS**

POSTS

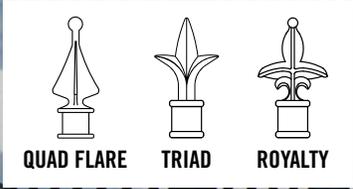
**2.5" SQ X .080"
3" SQ X .125"
4" SQ X .250"**

HEIGHTS

4', 5', 6', 7', 8', 9', 10'



MAJESTIC™

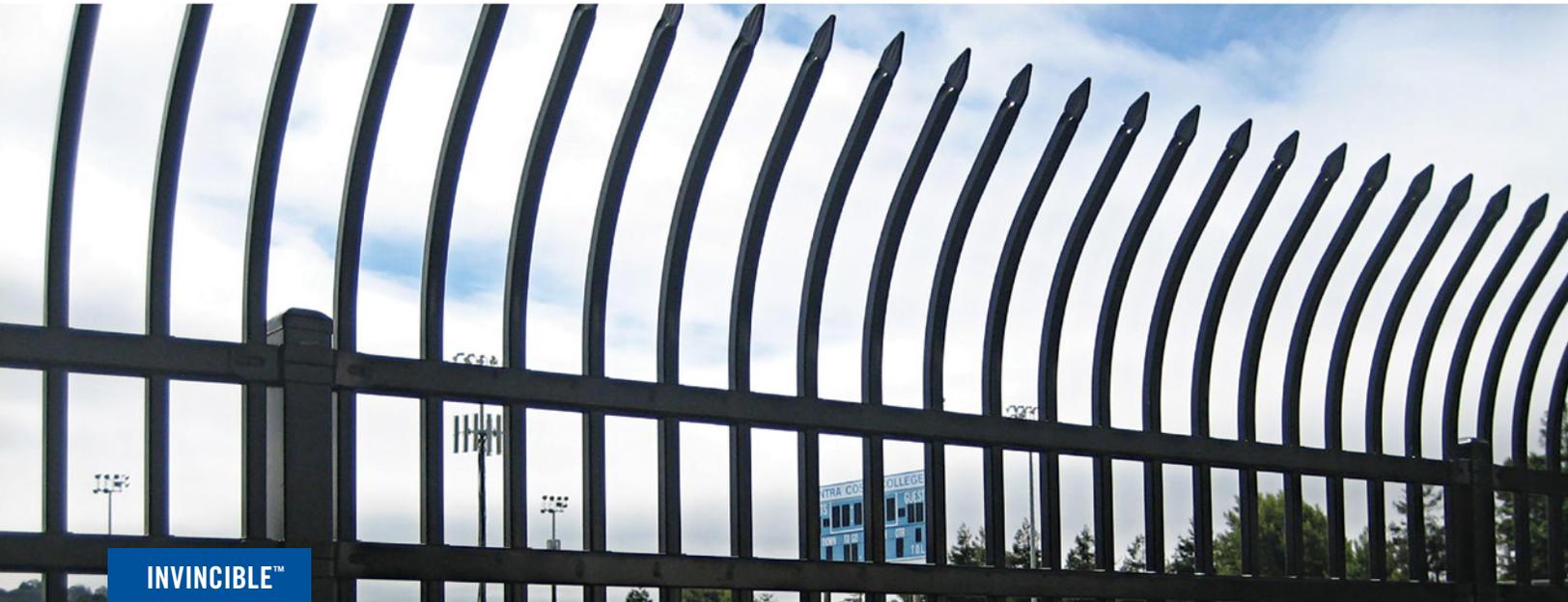


QUAD FLARE

TRIAD

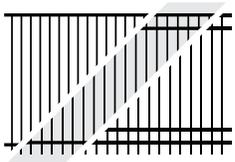
ROYALTY

GENESIS™



INVINCIBLE™

PANELS



**2-RAIL, 3-RAIL & 4-RAIL
PANELS AVAILABLE**

*Note: 4-rail is standard for heights 8' and over,
3-rail is standard for heights 4' thru 7' &
2-rail is standard for heights 4' thru 6'.*

COLORS



BLACK BRONZE SAND WHITE

*Custom colors also available.
Refer to color sample for actual color.*

ADORNMENTS



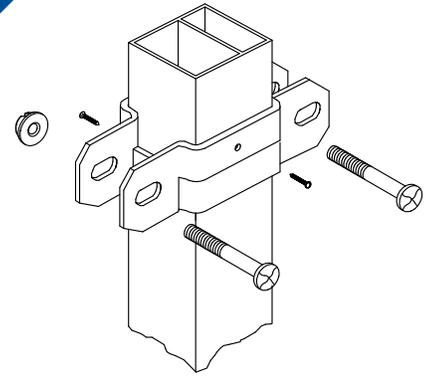
BALL CAP



RING
(internally secured)

POST STRENGTH & SECURITY

There are many advantages to choosing Echelon II® reinforced posts over standard punched posts made by typical aluminum fence manufacturers.

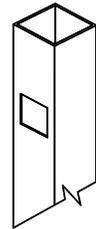


Echelon II® Posts

- Provide unparalleled strength due to a reinforced web profile design
- Require a single post (non-punched) for all line, end & corner posts (one post)
- Wrap-around brackets are secured to the rail with a tamper proof fastener, ensuring the greatest level of security

Standard Punched Posts

- ✗ Are weakened by removal of material from side-wall, yielding a vulnerable design
- ✗ Require different posts for all line, end & corner posts (multiple posts)
- ✗ The rail is inserted into the post and secured using a single screw — providing no level of security

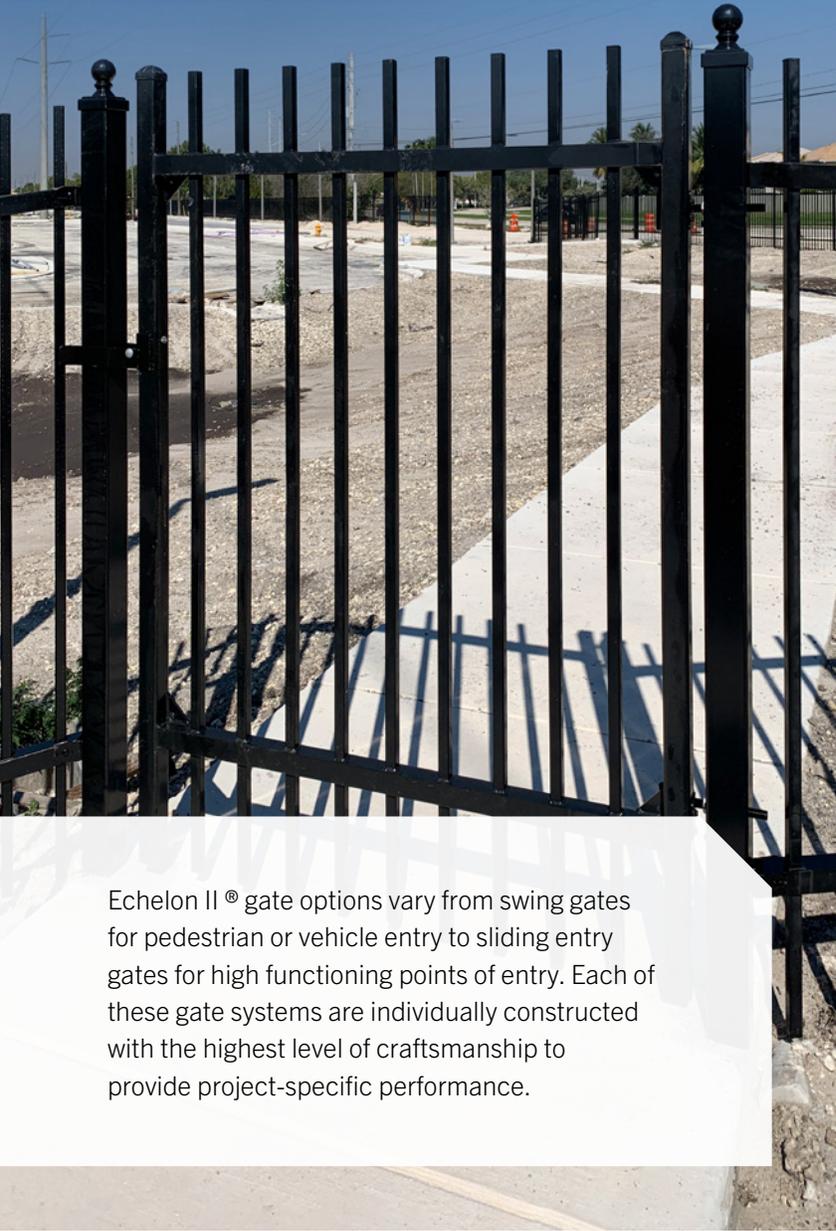


RAIL STRENGTH COMPARISON

STRUCTURAL PARAMETERS		FORERUNNER™ ECHELON II	U-CHANNEL COMPETITORS
Architectural Profile of rail shape. Vertical Design Loads are per rail. <i>(For capacity of fence panel, multiply by number of rails)</i>			
T_{eff} = Effective Wall Thickness (inches)		.070	.100 / .070
S_v = Section Modulus (inches vertical)		.125	.135
S_h = Section Modulus (inches horizontal)		.260	.260
Vertical Load Data	6' span	243#	262#
PV_f = Ultimate Vertical	8' span	182#	182#
Horizontal Load Data	6' span	505#	499#
PH_f = Ultimate Horizontal	8' span	379#	373#
Vertical Load Data*	6' span	145#	145#
PV_d = Vertical Design Load @ 66° F_y	8' span	109#	109#
Horizontal Load Data*	6' span	303#	299#
PH_d = Horizontal Design Load @ 66° F_y	8' span	227#	224#

* Recommended load value for safe structural design / allowable strength = .66° F

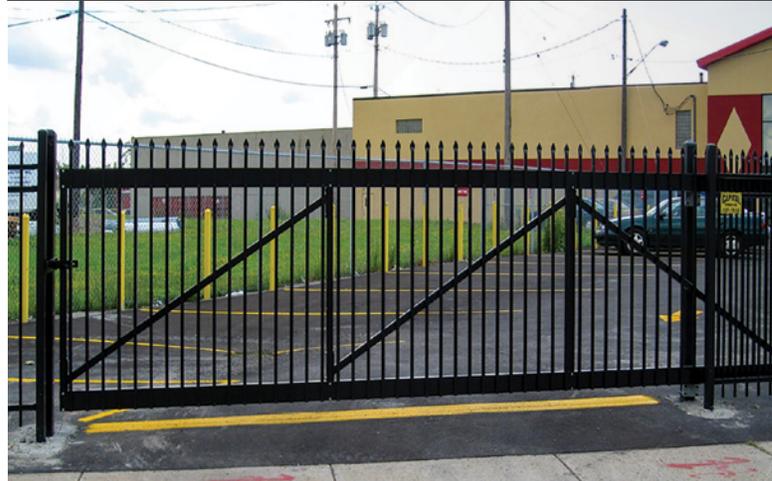
GATE SYSTEMS



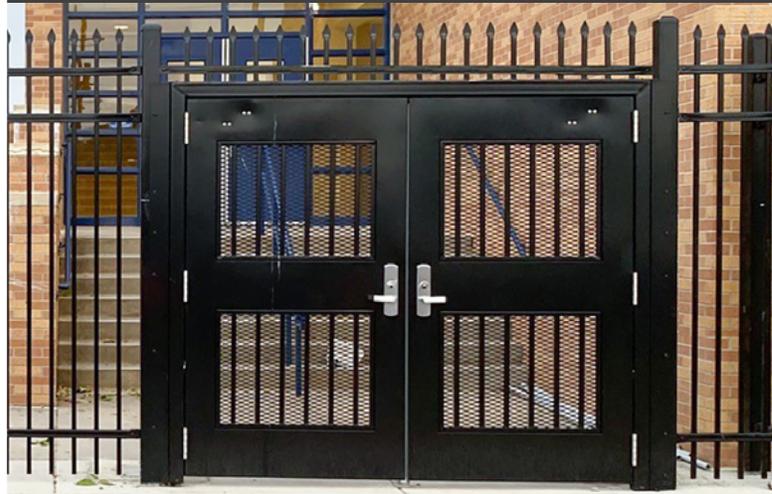
Echelon II[®] gate options vary from swing gates for pedestrian or vehicle entry to sliding entry gates for high functioning points of entry. Each of these gate systems are individually constructed with the highest level of craftsmanship to provide project-specific performance.



SWING GATE



SLIDE GATE



EXODUS GATE

Echelon fence systems are protected to endure the elements and are maintenance free.



Echelon fence systems are backed by over 40 years of excellence in the fencing industry.



Ameristar is committed to providing products that meet the Buy American Act.



Why Choose Ameristar?

KNOWLEDGE AND EXPERIENCE

For over 40 years we've delivered aesthetically pleasing, high-quality and innovative fencing products with superior design strength and easy installation.

PROVEN CAPABILITIES

Our integrated in-house processes, extensive raw materials and finished goods inventory translate into quality, on-time delivery.

INDUSTRY LEADERSHIP

We continually raise the bar in manufacturing customer-focused solutions. Our high standards produce premium products that go beyond merely meeting minimum industry standards.



Scan to learn
more about
Echelon II®



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