AS1

BARRIER SERIES

AUTOMATIC SYSTEMS

AS1 Barrier Series

Raising the bar on security

Imagine an access control solution designed not just to meet your needs, but to streamline and strengthen them. The **AS1 Barrier Series** delivers a smarter, **more efficient, barrier system** built on **decades of engineering experience and patented technology**.

The **AS1** is more than a gate it's a practical, high-performance solution that adapts to a **wide range of applications.**

Engineered for **durability** and **consistent performance**, the **AS1** provides **dependable protection** in any environment.

WHAT SETS THE AS1 APART?

Unmatched durability & reliability

Better connectivity for secure control

Versatility & customisation

Advanced safety features

Performance

The new AS1 Series from AUTOMATIC SYSTEMS offers innovative solutions designed for a variety of access control applications.

Combining advanced technology with high performance and reliability.

AS1 PARK

is the perfect solution for parking facilities, offering both **standard and articulated**.

The articulated boom arm is designed for areas with restricted overhead clearance, such as underground garages, ensuring smooth and efficient vehicle movement even in areas where space is limited.

Additional options like **LED lighting on the gate boom arm** are also available, providing enhanced security and visibility.

AS1 GUARD

is designed to secure the perimeter of sites with **passage widths of up to 23' (7 m). Equipped with a more powerful motor**, it's perfect for environments that require reliability and strength.

Additionally, the AS1 barriers feature a **crank-shaft rod locking system** that secures the barrier boom arm in both open and closed positions, providing the same level of reliability as its predecessor, the BL229.
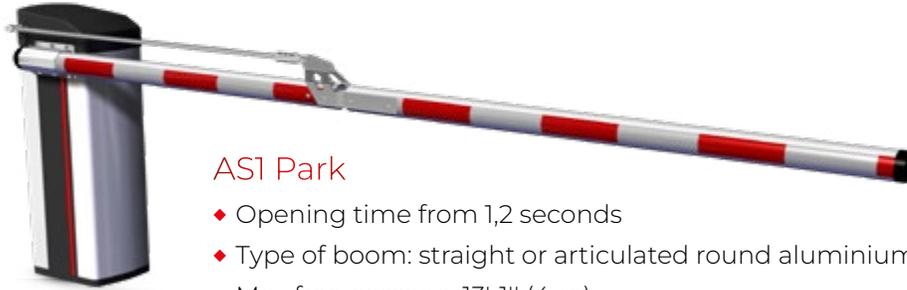
AS1 TOLL

is specifically engineered for toll applications, featuring **advanced AUTOMATIC SYSTEMS technologies such as the Carbon Protecta® boom arm**.

This innovative boom arm is designed to reduce vehicle damage during high-speed impacts by absorbing collision forces, protecting both the vehicle and driver.
The Carbon Protecta® boom arm also reduces gate boom replacements.
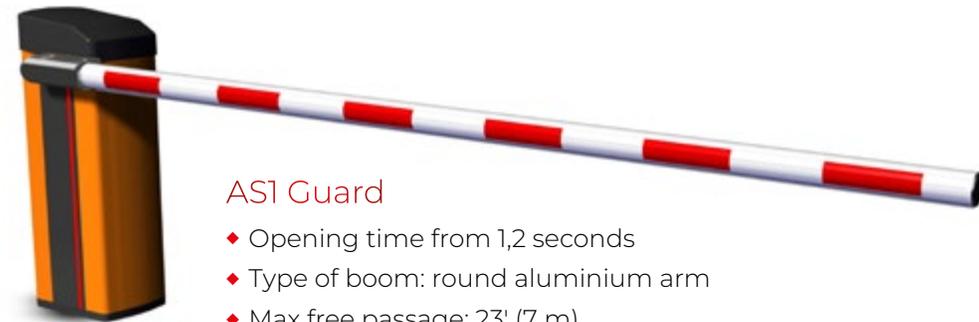
AS1 PARK

CAR PARKS

AS1 Park
- ◆ Opening time from 1,2 seconds
- ◆ Type of boom: straight or articulated round aluminium arm
- ◆ Max free passage: 13'-1'' (4 m)

AS1 GUARD

PERIMETER ACCESS

AS1 Guard
- ◆ Opening time from 1,2 seconds
- ◆ Type of boom: round aluminium arm
- ◆ Max free passage: 23' (7 m)

AS1 TOLL

HIGHWAYS

AS1 Toll
- ◆ Opening time from 0,7 seconds
- ◆ Type of boom: round aluminium or carbon Protecta® arm
- ◆ Max free passage: 13'-1'' (4 m)

RAL
2000

RAL
9010

RAL
7016

AS1: THE NEXT GENERATION AUTOMATIC BARRIER

AS1 is not just a new model, it's a complete rethink.

Developed by AUTOMATIC SYSTEMS, it builds on the strengths of our previous barrier models with a smarter and even more secure solution.

Every detail has been optimised to meet all your needs.

UNMATCHED DURABILITY & RELIABILITY

What it means for you ?

You get a barrier that stands the test of time, even in harsh conditions. Fewer breakdowns, less maintenance, and lower costs. Whether it's exposed to rain, dust or heavy use, the AS1 keeps performing.

- ◆ **Corrosion-resistant aluminium base:** provides lasting protection against rain and humidity.
- ◆ **Lightweight yet sturdy aluminium structure:** reduces wear and tear, cuts transport costs, and supports eco-friendly logistics.
- ◆ **IP55-rated protection:** keeps dust and water out, for reliable performance in harsh conditions.
- ◆ **Crank-shaft rod locking system:** secures the arm in both open and closed positions for dependable operation.

BETTER CONNECTIVITY

What it means for you ?

Managing your barrier becomes effortless and secure. You can configure it quickly on-site without specialised tools, while built-in cybersecurity features protect your system from unauthorised access. Manage your operations and data with peace of mind.

- ◆ **Encrypted data protection:** keeps your system safe from unauthorised access.
- ◆ **Wi-Fi connection & QR code-based configuration:** set-up on site quickly with a password-protected system. No extra tools or apps needed.

FEATURES

VERSATILITY & CUSTOMISATION
What it means for you ?
Whether you are securing a car park, industrial site or private property, the AS1 adapts to your space and style.

- ◆ **Different types of boom arms:** covers entry points up to 23' (7 m) wide.
- ◆ **Integrated LED lighting:** Improves visibility, with optional rail lighting.
- ◆ **Housing can be easily replaced** if damaged or new look is wanted.
- ◆ **Custom colors:** 3 standard shades available (orange, white or grey) or choose any RAL color to match your environment.

RAL **2000**   RAL **9010**   RAL **7016**

ADVANCED SAFETY FEATURES

What it means for you ?
Safety is built into every detail.

- ◆ **Anti-entrapment top cover:** prevents injury during maintenance.
- ◆ **UL 325 Compliant with multiple independant entrapment devices:** using safety sensors such as photoelectric cells, contact edges, inductive loop detectors, ultrasonic and radar sensors.
- ◆ **Audible and visual alarms** signal gate movement to nearby drivers and pedestrians.
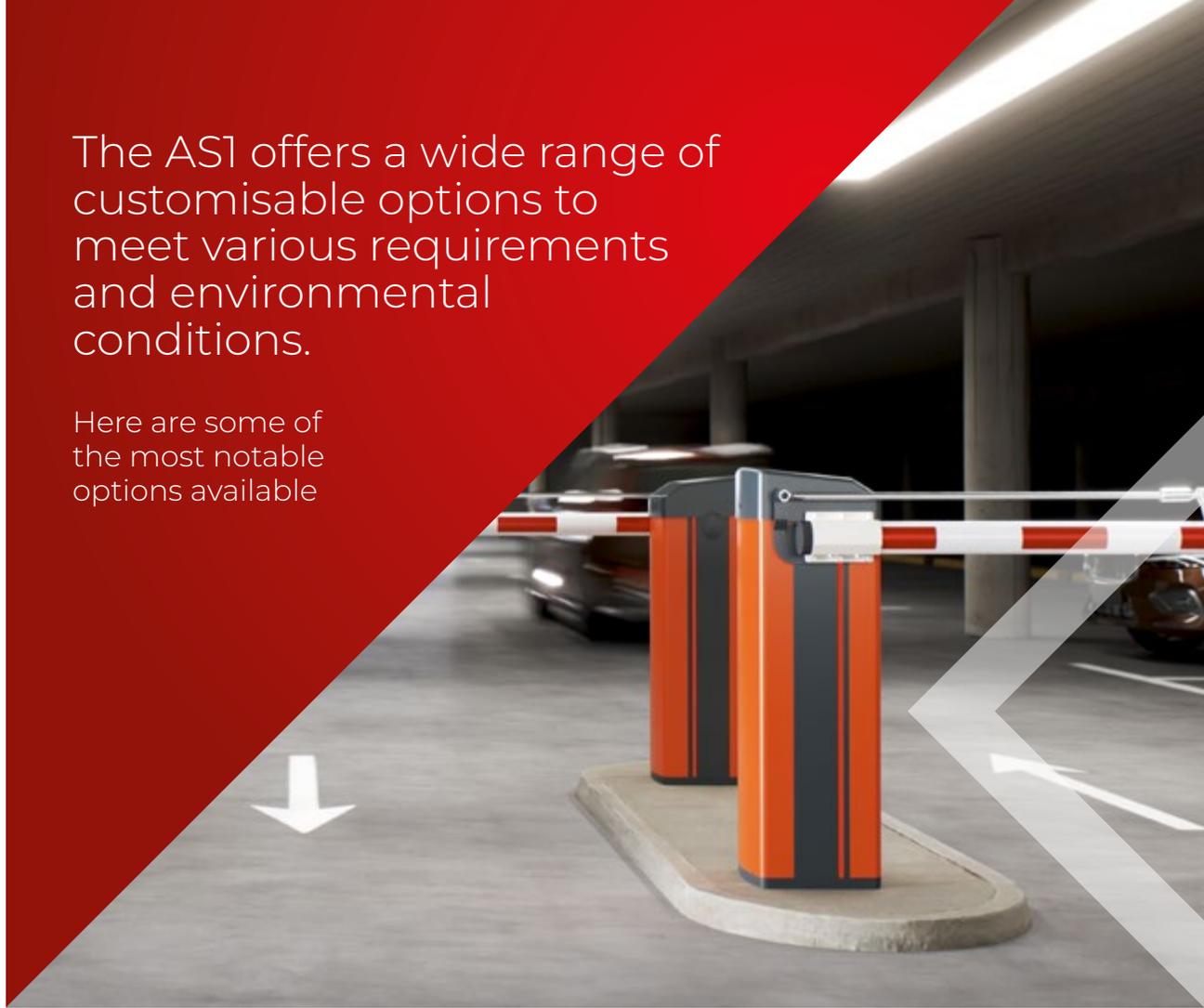
PERFORMANCE

What it means for you ?
Automatic Systems introduces a new-generation brushless motor designed to meet all operational requirements.

- ◆ **10,000,000 MCBF:** extended service life, reduced downtime and replacement costs.
- ◆ **Compact size and increased power:** cover long lanes with a compact housing.
- ◆ **Energy-efficient design:** reduced consumption and low environmental impact.
- ◆ **Fast opening speed:** can open in 0.7 seconds depending on the barrier model and its settings.

MAIN OPTIONS

The AS1 offers a wide range of customisable options to meet various requirements and environmental conditions.

Here are some of the most notable options available

BARRIER BOOM ARM VARIETIES

The boom arm is available with a variety of options, straight, articulated and foam protection.

AESTHETICS AND ENVIRONMENT

Customise the look of your barrier with a variety of **RAL** color finishes, adapted to your branding. For colder climates, **thermostatically controlled heating** ensures smooth operation in low temperatures.

CONTROL AND COMMAND

Equip your AS1 barrier with advanced features for precise and secure control:

◆ **Ultrasonic sensors:** detect nearby obstacles to prevent accidental contact with vehicles or pedestrians.

◆ **Key switches:** enable secure manual control and restrict access to authorised users.

◆ **Laser or radar detection:** ensures accurate tracking of the barrier's position and the presence of users.

Additional options include **open/closed position** detection.

SIGNALLING

Improve safety and visibility with **integrated LED lights** on the barrier boom arms, as well as r**ed/green LED traffic lights** in various sizes.

For added safety, an **internal 100 dB audible alarm** and LED warning beacon with siren are available to signal barrier movements..

These options allow you to tailor the AS1 to your specific requirements, enhancing both functionality and security for any application. For the complete list of options, please refer to the technical datasheet.

CONNECTIVITY

CONNECT THE AS1 TO ASLYNK FOR ADVANCED MANAGEMENT

The AS1 becomes even more powerful when paired with
ASLYNK, AUTOMATIC SYSTEMS' advanced remote management tool.

Designed to enhance efficiency and simplify operations, **ASLYNK** offers a
comprehensive solution for monitoring and managing your access control systems.
By connecting the AS1 to ASLYNK, you gain access to key features such as :
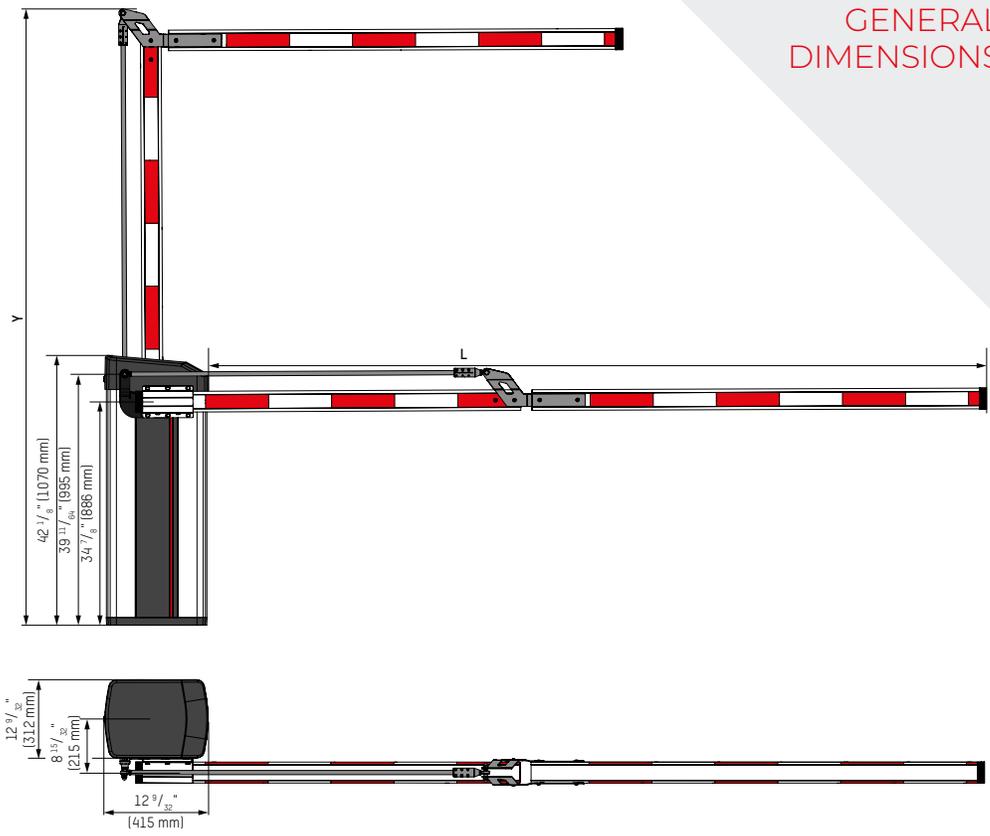
- ◆ **Comprehensive remote monitoring:** view real-time operational data and system status
  from any location.
- ◆ **Centralised management:** seamlessly control multiple access points through a
  user-friendly interface.
- ◆ **Enhanced security and cybersecurity:** benefit from industry-compliant measures that
  protect your system against potential threats.
- ◆ **Customisable alerts and reports:** stay informed with automated notifications and
  in-depth analytics tailored to your needs.

With **ASLYNK**, the AS1 becomes part of a connected, intelligent system that supports
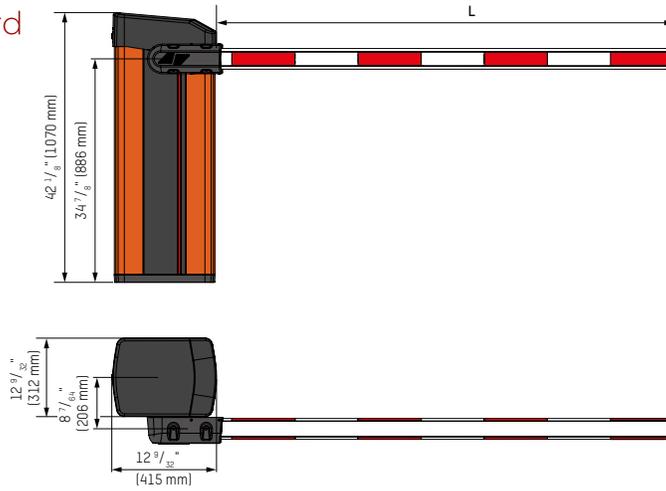operational excellence and long-term value.

TECHNICAL SPECIFICATIONS

AS1 Park

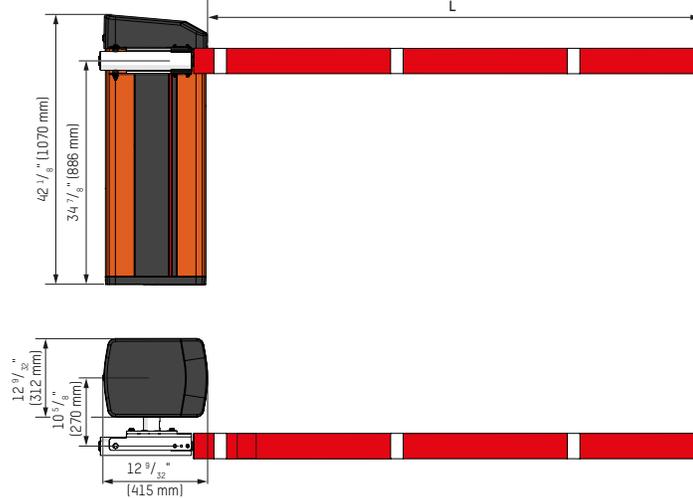## AS1 Guard

AS1 Toll

TECHNICAL SPECIFICATIONS

		AS1 PARK	AS1 GUARD	AS1 TOLL
Max Free Passage		13' (4 m)	23' (7 m)	13' (4 m)
Opening Time		From 1.2 s (depending on settings)	From 1.2 s (depending on settings)	From 0.7 s (depending on settings)
BOOM TYPE	Round - standard	x	x	x
	Articulated	x*	x*	
	Carbon Fiber			x*
MAIN FEATURES	Automatic Lifting	x*	x*	x
	Mechanical Locking	x	x	x
	Breakaway smooth up to 4m	x*	x*	x
COMMUNICATION	QR Code Configuration	x	x	x
	TCP/IP several possible protocols	x	x	x

*Optional

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VEHICLE PORTFOLIO

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1-800-263-6548

www.automatic-systems.us

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