

BARRIER SERIES



 **AUTOMATIC**
SYSTEMS

Leading the way to future
safety and security



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, and highly reliable barrier system** built on **decades of engineering experience and patented technology**.

AUTOMATIC SYSTEMS has developed a barrier that **enhances security, improves operational efficiency, and adapts to a wide range of applications**.

The **AS1** is more than a gate it's a practical, high-performance solution.

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

It reflects the **expertise we've refined over many years** and is designed for users who expect **uncompromising quality**.



WHAT SETS THE AS1 APART?



Unmatched durability & reliability



Better connectivity for secure control



Modularity & customisation



Advanced safety features



Performance & versatility



DISCOVER THE VIDEO 



The New Series: AS1 Family

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 boom options**.

The articulated boom 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 **ANPR (Automatic Number Plate Recognition)** and **LED lighting on the gate boom** are also available, providing enhanced security and visibility.

AS1 GUARD

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

The barrier can be customised with options such as an aluminium **rigid skirt** and a **semi-reinforced boom**.

Additionally, the AS1 barriers feature a **crank-shaft rod locking system** that secures the barrier boom 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.

This innovative boom is designed to reduce vehicle damage during high-speed impacts by absorbing collision forces, protecting both the vehicle and driver.

The Carbon Protecta® boom also reduces gate boom replacements. For enhanced operational efficiency, the **optional automatic re-hinging device is available**, allowing the barrier boom to automatically reset after an impact, **reducing downtime and maintenance needs while ensuring smooth toll operations**.

AS1 FLOW

is tailored for traffic management applications, offering diverse options to meet specific requirements.

These include **flashing lights** for improved visibility in low-light conditions and an **audible alarm** for enhanced safety while the barrier is in operation.

The **fibreglass barrier boom option** provides additional flexibility and strength for demanding environments. With numerous customisation options, **AS1 Flow adapts seamlessly to your traffic control needs**, ensuring smooth and secure operations in high-traffic areas.

APPLICATIONS



CAR PARKS



AS1 Park

- ◆ Opening time from 1,2 seconds
- ◆ Type of boom: straight or articulated round aluminium arm
- ◆ Max free passage: 4 metres



PERIMETER ACCESS



AS1 Guard

- ◆ Opening time from 1,2 seconds
- ◆ Type of boom: round aluminium arm
- ◆ Max free passage: 7 metres



HIGHWAYS

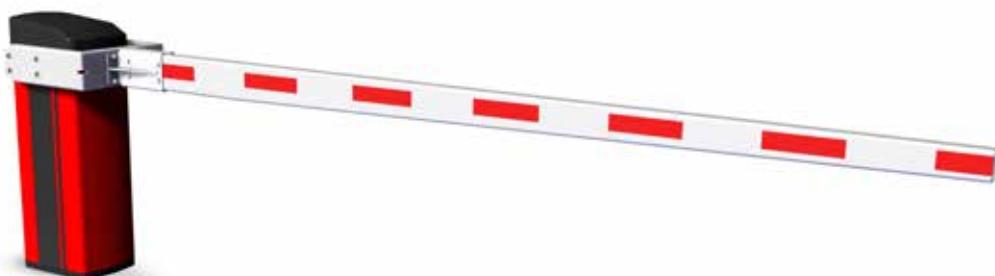


AST Toll

- ◆ Opening time from 0,6 seconds
- ◆ Type of boom: round aluminium or carbon Protecta® arm
- ◆ Max free passage: 4 metres



TRAFFIC MANAGEMENT



AST Flow

- ◆ Opening time from 1,2 seconds
- ◆ Type of boom: fiberglass or aluminium arm
- ◆ Max free passage: 7 metres

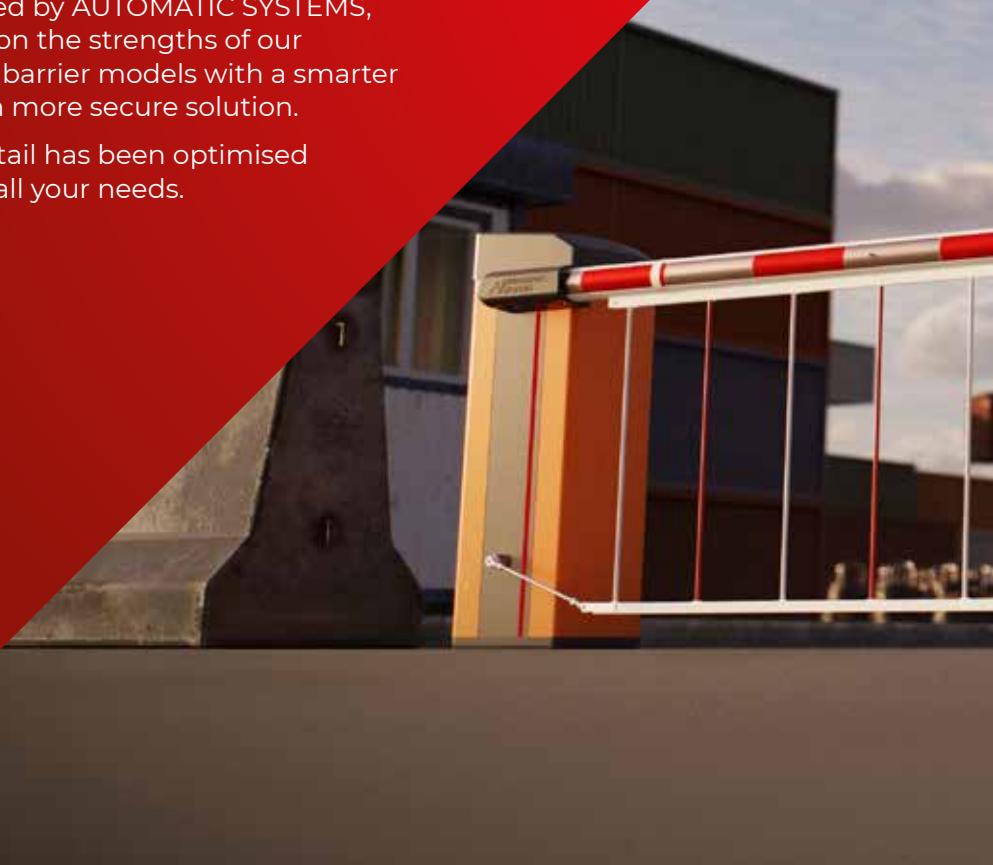


AS1: THE NEXT GENERATION AUTOMATIC BARRIER

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, fewer 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.



MODULARITY & 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. Choose the boom length, lighting and colour that best suits your environment.

- ◆ **Different types of booms:** covers entry points up to 7 metres wide.
- ◆ **Integrated LED lighting:** Improves visibility, with optional rail lighting.
- ◆ **Custom colours:** 4 standard shades available (orange, red, white or grey) or choose any RAL colour to match your environment.

PERFORMANCE & VERSATILITY

What it means for you ?

Automatic Systems introduces a new-generation brushless motor designed to meet all operational demands with unmatched versatility.

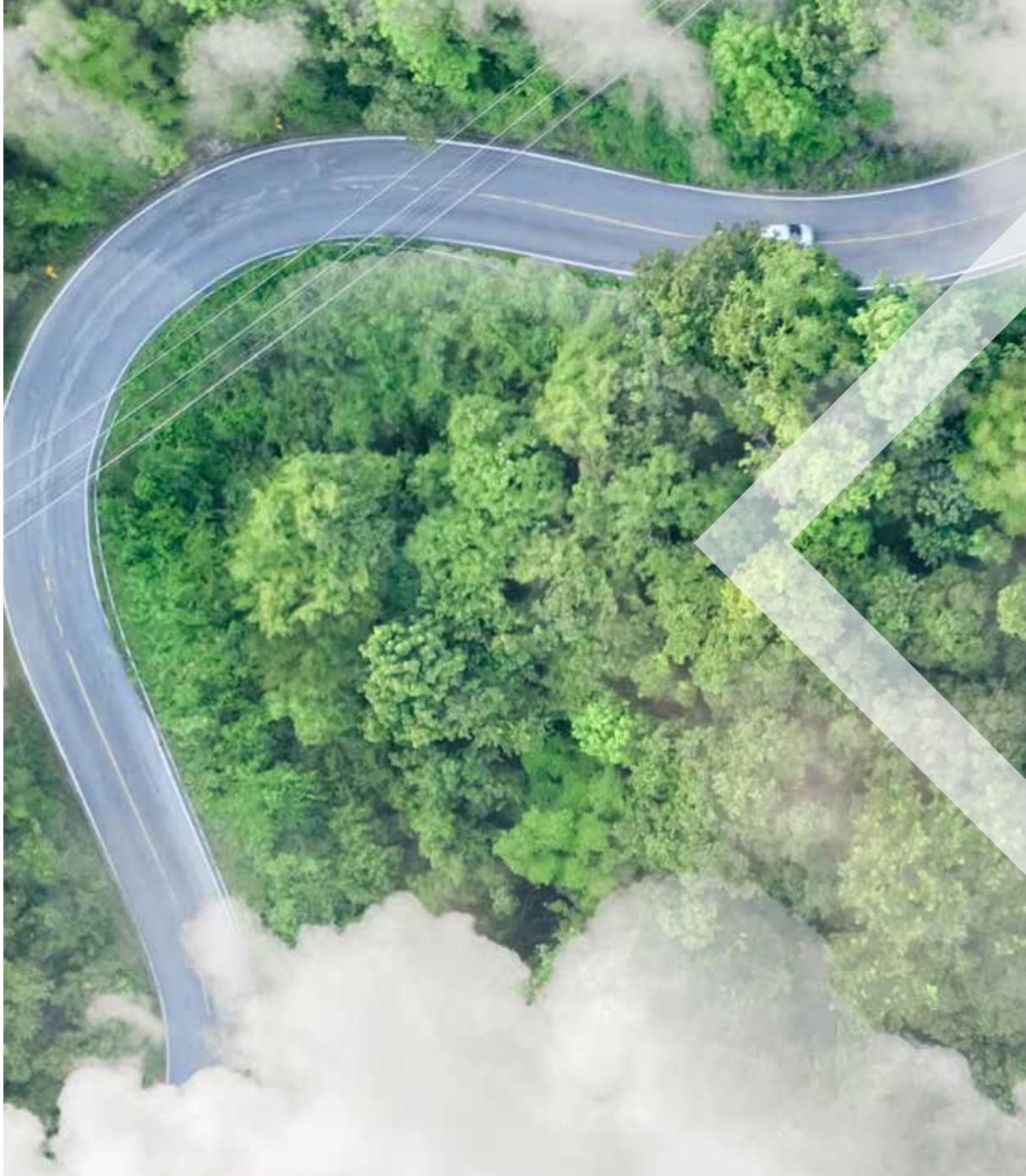
- ◆ **10,000,000 MCBF:** extended service life, reduced downtime and replacement costs.
- ◆ **Compact size and increased power:** cover long lanes with a compact housing.
- ◆ **Energy-efficient design:** reduced consumption and low environmental impact.
- ◆ **Fast opening speed:** opens from 0.6 seconds depending on the barrier model and its settings.

ADVANCED SAFETY FEATURES

What it means for you ?

Safety is built into every detail. The AS1 protects pedestrians and vehicles with intelligent features that prevent accidents and ensure compliance with international standards.

- ◆ **Anti-entrapment top cover:** prevents injury during maintenance.
- ◆ **CE-compliant safety sensors:** monitors conditions and switches to safe mode if needed.
- ◆ **Patented automatic re-hinging system:** protects the barrier and vehicle in case of impact (in option).



AS1: SUSTAINABILITY AT THE CORE

The AS1 embodies AUTOMATIC SYSTEMS' dedication to compliance, sustainability, and responsible manufacturing. **Designed to meet the highest standards, it ensures both environmental care and long-term reliability.**

- ◆ **Durable construction:** built with an aluminium structure, the AS1 minimises material waste and ensures fewer replacements over its lifespan.
- ◆ **Energy-saving design:** equipped with a low-consumption motor, it reduces power usage, helping lower environmental impact and operational expenses.
- ◆ **Locally assembled components:** assembled in Europe, the AS1 cuts down on transportation emissions, supporting sustainable manufacturing practices.



COMPLIANCE WITH GLOBAL STANDARDS

The AS1 is designed and produced in compliance with internationally recognised norms:

- ◆ Certified to ISO 9001 (Quality Management) and ISO 14001 (Environmental Management).
- ◆ Meets CE and UL standards, ensuring safety, reliability, and regulatory compliance for global markets.



Durable, energy-efficient, and environmentally friendly, the AS1 is built to last: designed with the planet and your needs in mind.

Automatic Systems is committed to ensuring the safety and compliance of its products. The company holds REACH and RoHS certifications, which certify that its products meet the most stringent European standards for chemicals and hazardous materials.

Pedestrian protection: Continuous passage monitoring with instant stop in case of hazard detection, in compliance with European standards (**EN 12453:2017**).

IT protection (cybersecurity): Securing communication channels to protect the system against any unauthorised access. Encrypted updates (data is transformed into a secret code that can only be decrypted with a specific digital key).

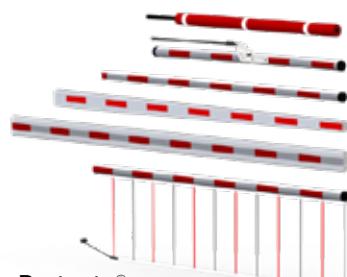


The AS1 offers a wide range of customisable options to meet various operational needs and environmental conditions. Here are some of the most notable options available



BARRIER BOOMS

Choose from several types of barrier booms, including the **Carbon Protecta® boom** for impact resistance, **articulated** booms for sites with height restrictions, and **detachable** booms for quick removal in case of impact.



Additional options like **foam protection** and **automatic re-hinging** ensure both safety and durability.



AESTHETICS AND ENVIRONMENT

Customise the look of your barrier with a variety of **RAL** colour 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 and **automatic number plate recognition (ANPR)** technology, further enhancing the system's security and reliability..



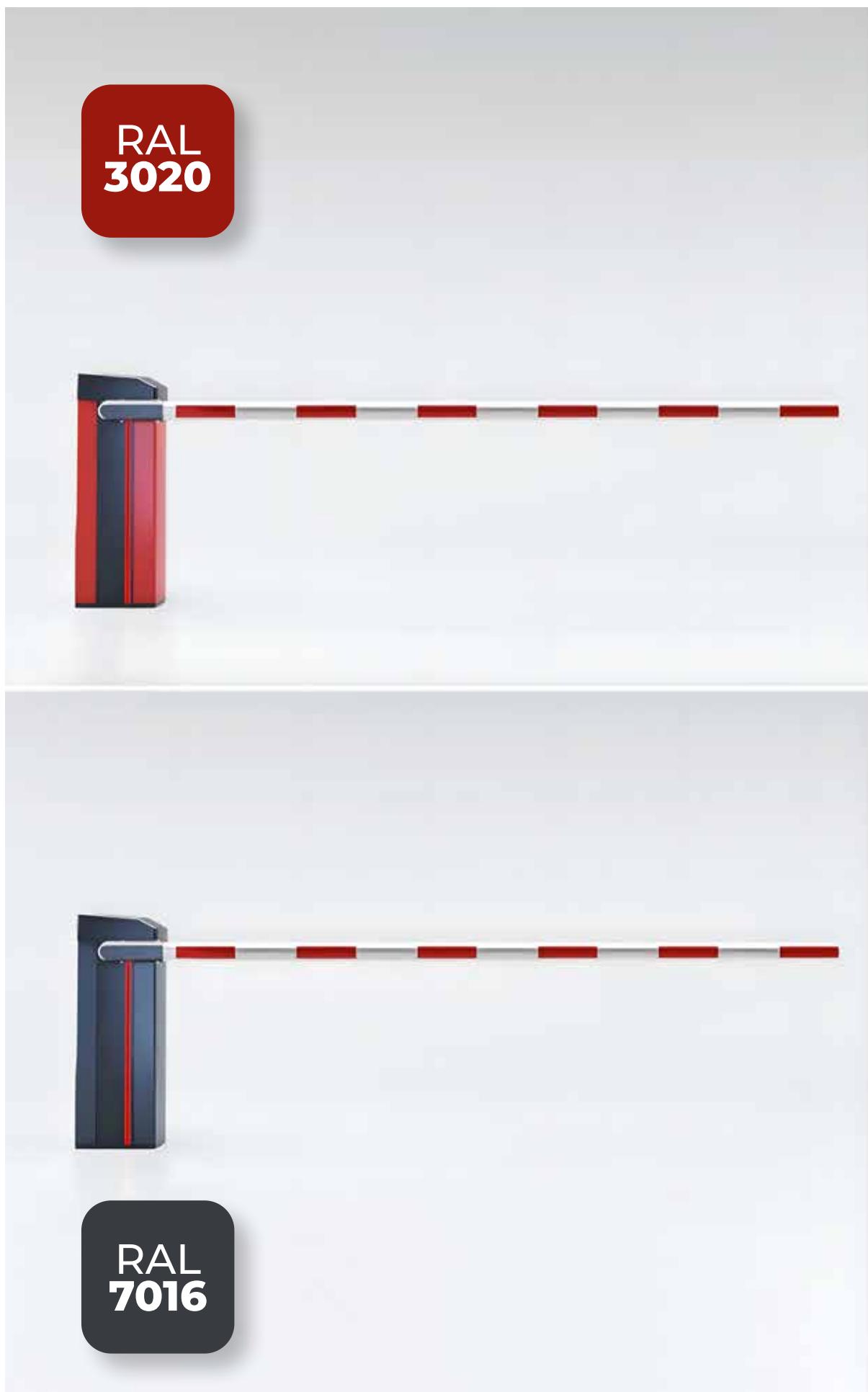
SIGNALLING

Improve safety and visibility with **integrated LED lights** on the barrier boom, as well as **red/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.

MAIN OPTIONS





**RAL
9010**



**RAL
2000**

MAIN OPTIONS



					
		ASI PARK	ASI GUARD	ASI TOLL	ASI FLOW
BOOM TYPE	Max Free Passage	4 m From 1.2 s (depending on settings)	7 m From 1.2 s (depending on settings)	4 m From 0.6 s (depending on settings)	7 m From 1.2 s (depending on settings)
	Opening Time	X	X	X	X
	Round - standard				
	Fiberglass				
	Semi-reinforced	X*			
	Articulated	X*	X*		
MAIN FEATURES	Carbon Fiber			X*	
	Fenced		X*		
	Automatic Lifting	X*	X*	X	X*
	Mechanical Locking	X	X	X	X
	Removable smooth up to 4m	X*	X*	X	
	Re-Hinging			X*	
COMMUNICATION	QR Code Configuration	X	X	X	X
	TCP/IP <small>several possible protocols</small>	X	X	X	X
	ANPR	X*	X*	X*	X*

*In option



OPTIONAL SERVICES



SERVICES OFFERED UPON REQUEST

At **AUTOMATIC SYSTEMS**, our commitment extends beyond delivering high-quality equipment. We provide a range of professional services to support you throughout the life of the products, ensuring their long-term performance and reliability.

OUR SERVICES INCLUDE:

- ◆ **Installation and Commissioning** to guarantee optimal setup.
- ◆ **Maintenance** (preventive and repair) to keep your barrier running smoothly.
- ◆ **Spare Parts** for fast, reliable replacements.
- ◆ **Training** to equip your team with the necessary skills.

Ask our team if those services are available in your country.

With service centres in 8 countries and an international network of partners, we're always ready to support you, ensuring peace of mind and long-term performance.



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

Power Supply	Single-phase 230/110V 50/60Hz + ground
Consumption	Maximum in use: 110 W - Maximum idle: 6 W
Motor	Brushless gear motor
Boom type	Standard boom type (Ø84 mm)
Opening/closing time (minimum)	From 0.6 to 4 seconds (depending on the model)
Ambient temperature for use	From -20°C to +60°C (without heating option)*
Relative humidity	Max. 95% (non-condensing)
Free passage (L)	From 2 to 7 m
MCBF (Mean Cycles Between Failures)	10,000,000 cycles (if recommended maintenance is followed)
Protection rating	IP55
Noise level	< 70 dB(A)
Compliance	Compliant with European standards 

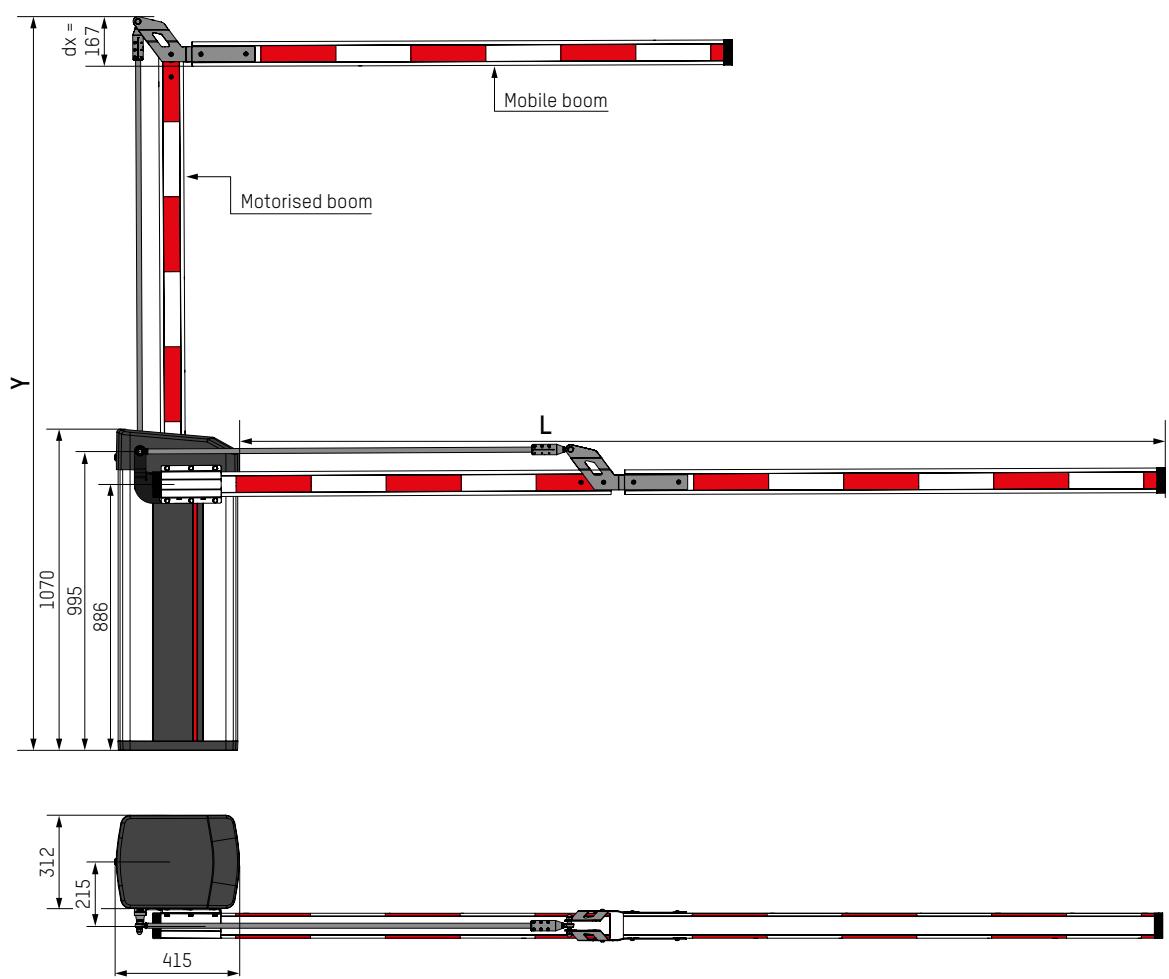
*Up to -49°C with the heating option



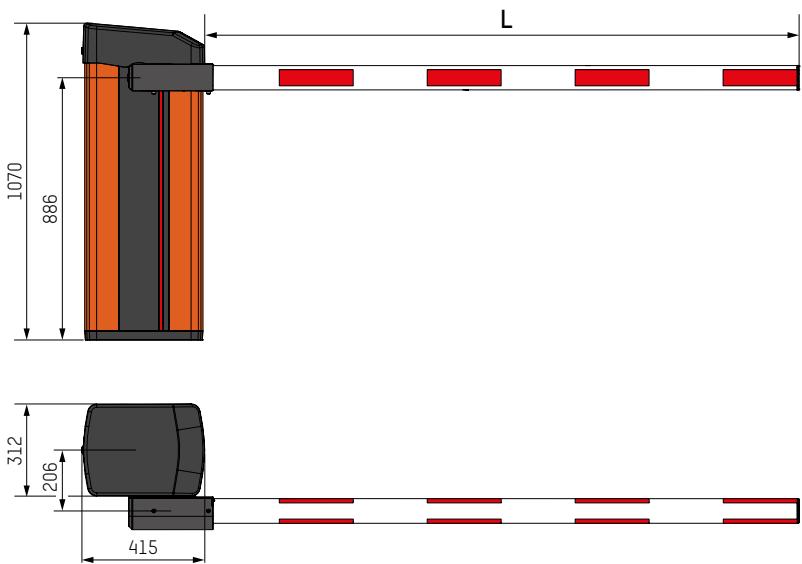
TECHNICAL SPECIFICATIONS

GENERAL DIMENSIONS (MM)

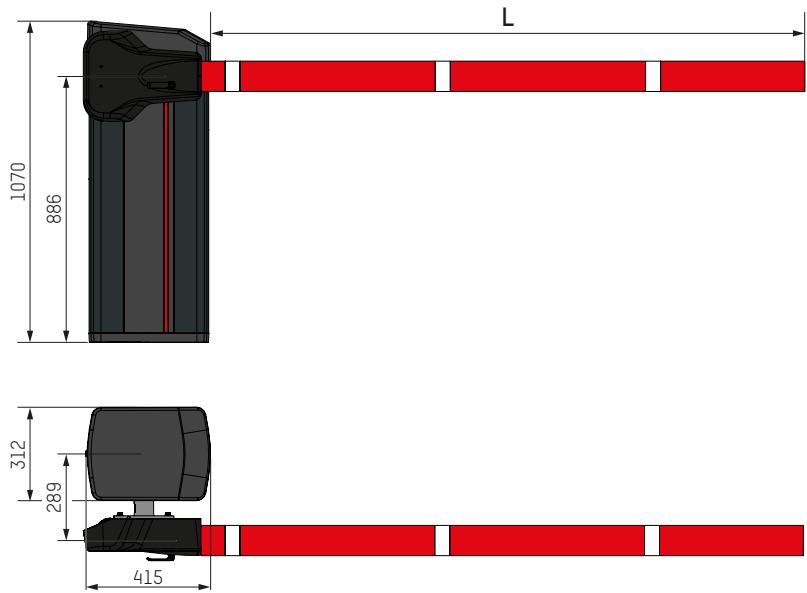
AS1 Park



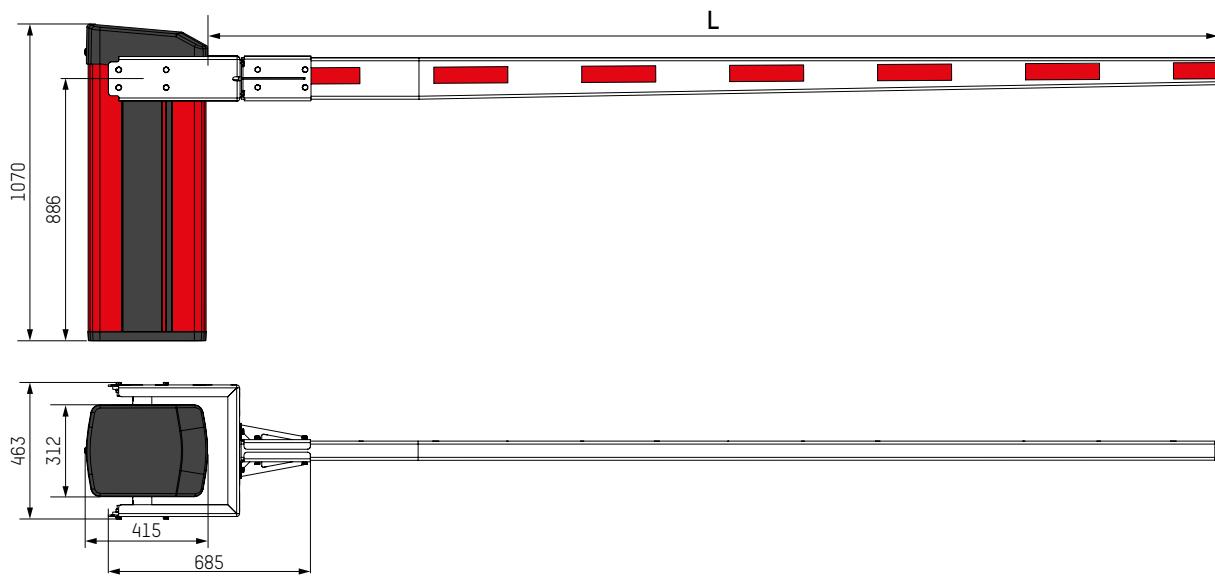
AS1 Guard



AS1 Toll



AS1 Flow



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