

Access controlled... Future secured.



**AS** **AUTOMATIC**  
**SYSTEMS**  
LEBR GROUP

VEHICLE





AUTOMATIC SYSTEMS, a world leader in the automation of secure entrance control, has been designing and manufacturing pedestrian, vehicle and passenger access systems for over 40 years. Now in use all over the world, over 90 million people use Automatic Systems solutions daily.



# VEHICLE PRODUCTS

40 years ago, Automatic Systems marketed its first rising barriers. Today, thanks to our experience and our wide range of vehicle access control equipment, we can supply the solutions to meet your requirements. Whether your requirement is for toll roads, parking areas, access to bridges, tunnels, level crossings, or the closing and entry control of private or industrial sites... among our ranges of barriers, rising bollards and road blockers, you will find the product to suit your application.

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# SHORT AND MEDIUM-LENGTH BARRIERS

The short and medium-length barriers meet the latest requirements for access control. The barriers can be manual (for very light use) or automatic for the efficient management of your access.

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## BL 10

The BL 10 manual rising barrier is ideal for the closure of accesses with very occasional traffic. Its design makes it easy to rise, even if the arm is long.

## BL 12

The BL 12 is a basic-design automatic barrier offering simple and efficient access control for moderate and occasional traffic.

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## Strengths and advantages

- Easy installation and easy handling
- Ideal barriers for a low budget
- Low-maintenance



## Applications

Rising barriers BL 10 and BL 12 are suitable for perimeter access (residential, SME, SMI...)



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## BL 229

The BL 229 rising barrier is a universal barrier: its high performance and great reliability enable it to be used in a wide range of applications: traffic management, parking areas, industrial sites... and even toll roads.

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### Strengths and advantages

- Barrier designed for many applications and environments
- Numerous accessories offered, allowing to meet various installation constraints, and various requirements in terms of security
- Barrier equipped with control unit allowing operation perfectly adapted to every situation
- Fast and silent movements
- Capacity to deal with high vehicle throughput
- High performance: barrier designed for intensive use



### Applications

The BL 229 rising barrier is suitable for perimeter access (residential, SME, SMI, office buildings, industrial sites, hospitals...) and parking areas.

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## BL 229 Toll

The BL 229 Toll barrier is the rapid version of the BL 229 designed for highway toll type applications or high throughput parking lots.

In order to meet user safety requirements, Automatic Systems has designed different types of boom for this barrier: un hingeable boom Protecta ® (carbon fibre) boom, automatic un hingeable boom, etc.

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### Strengths and advantages

- Range of booms available depending on the installation and operation policies
- Fast and silent movements
- Capacity to deal with high vehicle throughput
- Lane opened and closed rapidly
- Intensive use



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### Applications

Barrier BL 229 Toll is specially designed for toll roads.





# SECURITY BARRIERS

The security barriers have robust mechanisms and anti-vandal booms built to resist vandalism and forced opening. For this reason they are recommended for all sensitive sites where a high level of security is required.

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BL 43 / BL 44 / BL 53 / BL 46

The BL 43 barrier is especially suitable for harsh environments, prone to vandalism or fraud. The integrated locking system prohibits entry to any unauthorized vehicle, and the reinforced boom prevents any forcing of passage.

The rapid model BL 44, which rises in just 2 seconds, is ideal for coping with heavy vehicle flows.

For lengths of up to 8 m, the BL 53 model is the best, with its outside-standard capacities. The BL 46 has an articulated portcullis, which completely closes off access to both vehicles and pedestrians.

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## Strengths and advantages

- Very robust barriers
- Securely closed passage, with reinforced boom
- Ideal products to counter vandalism and fraud
- Closing access to pedestrians as well, even on a wide road (BL46)



## Applications

Our range of security barriers is particularly suited to perimeter access (office buildings, industrial sites, hospitals, etc.), sensitive sites (military sites, heavy industry, embassies, etc.), traffic management (bridges, tunnels, etc.) and parking areas.



# RISING FENCED BARRIERS

Rising fenced barriers close access to vehicles and pedestrians alike. In many cases, they can replace a gate, providing absolute, rapid control of points of access.

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## BLG 76 / BLG 77

The type BLG 76 / BLG 77 rising barrier are proprietary Automatic Systems solutions. These are actually rising fences, offering a robust alternative to a sliding gate, with advantages in terms of speed and ground footprint.

BLG 76 model is modulable up to a length exceeding 5 meters.

BLG 77 model is available in two versions (high or wide), and offers a greater dissuasion.

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## Strengths and advantages

- Robustness and dissuasion
- Absolute and efficient entry control
- Small ground footprint
- Capacity to cope with high vehicle flows



## Applications

Our range of security barriers is particularly suited to perimeter access (office buildings, industrial sites, hospitals, etc.) and sensitive sites (military sites, heavy industries, embassies, etc.).

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# EXTRA-LONG BARRIERS

Extra-long barriers are designed to close off very wide lanes, especially on industrial sites. These robust barriers are also capable of supporting accessories such as folding skirts and signposting elements.

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## BL 40 / BL 41 / BL 52

The extra long barriers are exceptionally strong and forged Automatic Systems products' reputation for reliability and long service life. They can be found in all four corners of the world, in the most demanding circumstances.

We offer 3 models depending on the capacities required: BL40: boom up to 8 m / BL41: boom up to 12 m / BBL 52: boom up to 14 m.

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## Strengths and advantages

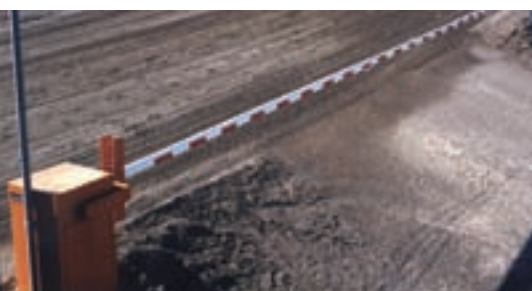
- Suitable for intensive use
- Suitable for industrial environments
- Can carry signposting and dissuasion elements, without degrading performance
- Able to close very wide lanes with a single barrier (up to 14 m)
- Low maintenance



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## Applications

Extra-long rising barriers are especially suited to perimeter access (office buildings, industrial sites, hospitals...) and traffic management (bridges, tunnels...).



# ROAD BLOCKERS

**Recommended for the security of sensitive sites, the retractable obstacles prohibit, in a dissuasive or strict way, the entry of vehicles at a perimeter, whether it is a parking facility or a very sensitive site such as an embassy or a military site.**

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## RSB 70 / RSB 71 / RSB 76

The RSB 70 product is an electro-mechanically retractable obstacle, which is fixed to the roadway, thus not requiring a specific infrastructure to be installed. It is recommended for dissuasive access control, and is therefore particularly suitable for applications such as parking areas and private property.

The RSB 71 is a more resistant version, installed in a shallow pit.

The RSB 76 road blocker is very high-security and is available with either hydraulic or electromagnetic actuator. It is capable of stopping a vehicle of up to nearly 7 tons going at a speed of 48 km/hr (equivalent to the K4 standard).

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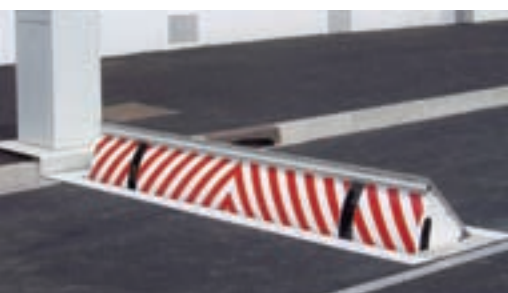
## Strengths and advantages

- Robustness and dissuasion
- Effective resistance of the obstacles
- Remain operational in all environments (the electro-mechanical road blockers are not affected by freezing conditions)
- High performance mechanisms requiring low maintenance



## Applications

The RSB series road blockers are particularly suitable for perimeter access (office buildings, industrial sites, hospitals, etc.), sensitive sites (military sites, heavy industries, embassies, etc.) and parking areas.



# RISING BOLLARDS

The Automatic Systems rising bollards combine integration and security. Their design makes them suitable for the protection of sites in both urban or prestigious environments.

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## RB 60 / RB 80 / RB 70S

The RB 60 and RB 80 automatic rising bollards are intended for controlling the access to a site, while protecting it from any attempt at intrusion.

In the raised position, these rising bollards close a road to vehicles, without restricting access to pedestrians.

In the lowered position, they are hidden, allowing access to vehicles. They have various applications: access to pedestrian paths, entrances to sites, protection of public or private buildings...

For demanding applications in terms of security, the RB 70S model is recommended, designed to withstand violent impacts: it is ideal when the intrusion risk is high.

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## Strengths and advantages

- Simple and elegant design
- Proven robustness and reliability and intensive use
- Tolerate soft impacts without any consequences
- Possibility of combining a large number of bollards to control a large perimeter
- Anti-terrorism protection



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## Applications

RB series road blockers are especially suited to perimeter access (private property, PME, PMI, office buildings, industrial sites, hospitals, etc.) and to sensitive sites (military sites, heavy industries, embassies, etc.).



# PRODUCT CUSTOMISATION

Automatic Systems can supply numerous accessories and adapt its products to your particular needs, ensuring that the solution provided is perfectly adapted to your environment.

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## Security



Each site requires a specific level of security: it may be a question of regulating flow or of controlling access dissuasively or very strictly. This grading depends on the type of product and the security options selected.

**Security options:** anti-vandal tip support, boom locking, folding skirts, folding fences, reinforced obstacles and barriers, etc.

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## Detection and command

To ensure user safety and optimum management of entrances, exits and access requests, we supply a range of options and accessories.

Our equipment can operate in synergy with the control systems you decide to install.

**Detection options:** photo-electric cells, detection loops, presence detectors, etc.

**Control options:** remote control (radio), push button boxes, key switches, multiple autonomous product operation modes, housings for integration of readers, etc.



## Adaptation to your site



The installation of access control equipment for vehicles means full integration in your environment, as well as clear and visible signalling. It is from this perspective that we offer accessories for adaptation to the site.

**Site adaptation options:** traffic lights, signposts, obstacle lighting, raised bases, folding arms, choice of colour of the equipment, heating, cooling, 110/230V - 50/60 Hz power supply, etc.

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Select your barrier here

	Security Level	Maximum Passage Width		Passages/minute <sup>(1)</sup>	Opening Speed (sec)	Arm Type					Applications					Price Range
			(m)			Standard	Reinforced	Articulated	Swing-off	Protecta™ <sup>(2)</sup>	Fenced	Highway and Tolls	Parking	Perimeter Access	Sensitive Sites	
<b>Short and Medium-Length Barriers</b>																
BL 10 Manual	1	8		1	N/A	●								●		€
BL 12	1	4		15	1.5 - 2.2	●						●		●		€
BL 229	2	6		25	1 - 4	●		●*	●*			●		●		€€
BL Toll	1	3		50	0.6 - 1.7	●			●	●*		●				€€
<b>Extra-long Barriers</b>																
BL 40	3	8		8	3.5	●					●*			●	●	€€€
BL 41	3	12		8	3.5	●								●	●	€€€
BL 52	3	14		3	8 - 12	●					●*			●	●	€€€€
<b>Security Barriers</b>																
BL 43	4	6		8	3.5		●					●	●	●	●	€€€
BL 44	4	4		15	2		●					●	●	●	●	€€€
BL 46	4	7		8	3.5	●					●			●	●	€€€
BL 53	4	8		4	5 - 10		●							●	●	€€€€
		w (m) h (m)			(sec)											
<b>Rising Fenced Barriers</b>																
BLG 76	4	5.5	1.9	3	8 - 12	●					●			●	●	€€€€
BLG 77 - H	5	5.1	3.0	4	7 - 10		●				●			●	●	€€€€
BLG 77 - L	5	6.4	1.8	4	7 - 10		●				●			●	●	€€€€

Select your blocker here

	Security Level	Dimensions of the Obstacle		Passages/minute <sup>(1)</sup>	Opening Speed (sec)	Installation: Recessed (pit)	Installation: Surface-mount	Operator				Applications				Impact Resistance	Price Range
		Diameter (mm)	Height (mm)					Electromechanical	Hydraulic	Pneumatic	Manual	Highway and tolls	Parking	Perimeter access	Sensitive Sites		
<b>Rising Bollards</b>																	
MB 50	3	275	500	1	2.5	●				●	●			●		1500 kg at 45 km/h	€€
RB 60 / RB 80	3	275	600/800	3	6 / 8	●			●					●		1500 kg at 45 km/h	€€€
RB 70S	5	275	700	3	7	●			●					●	●	6800 kg at 48 km/h	€€€€
		Width (m)	Height (mm)		(sec)												
<b>Road Blockers</b>																	
RSB 70	3	2 / 3	350	8	3	●	●					●	●			1500 kg at 26 km/h	€€
RSB 71	4	3	350	8	3	●	●					●	●	●		1500 kg at 26 km/h	€€€
RSB 76H	5	3 / 3.5	665	8	3	●	●					●	●			6800 kg at 48 km/h	€€€€
RSB 76E	5	/ 4		8	3	●	●						●	●		(K4 theoretical)	€€€€

Legend: \* Optional

Security Level: 1 = Deterrent 5 = High Security | Price Range: € = Low End €€€€ = High End

<sup>(1)</sup> Including access control for each vehicle <sup>(2)</sup> Carbon Arm

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