

Speed Snake



Alphatronics[®]
Innovators in Access Technology

*Alphatronics is a Belgian family business (2nd generation), located in Lokeren.
It's in our DNA to match innovation and quality.*

*With more than 30 years of experience as a manufacturer of access control systems,
we are present in more than 50 countries.*

*With this trackless Bi-folding gate, a unique patented development is made,
in which the hinge parts are directly driven.*

*As a result, there is no mechanical friction on the hinges, so less wear, metal fatigue or energy loss,
which results in an economical Bi-folding gate.*

*Using our Smart Controller and artificial intelligence,
the Bi-folding gate is constantly monitored by preventive measurements.*

Speed Snake

A unique patented trackless Bi-folding gate with direct transmission on each hinge section. No use of mechanical arms which means an optimal energy consumption!

- Security in terms of physical protection.
- The 'SpeedSnake' Bi-folding gates are the result of years of experience in the field of physical security systems and the technological know-how of Alphatronics.
- Direct motorised drive on each hinge section !
As a result, no need of energy-consuming mechanical transmission arms.
- Reduced and optimised energy consumption !
- With a wide choice of widths, heights and colours, these high-end Bi-folding gates harmonise perfectly with all types of fencing.
- These high-speed Bi-folding gates combining high operational safety and durability.
- Thanks to its design and concept, the trackless Bi-folding gate is suitable for all applications where operational safety and security are required: industry, parking, logistics, airports and seaports, military bases, etc.
- Belgian manufacturing !
- Fully trackless (no top or bottom rails).
- No rails with dirt accumulation or wear of mechanical transmission arms.



Versatile solutions

A Bi-folding gate is a factor in security that should not be underestimated. On the one hand to keep out potential intruders, but also to allow access to authorised vehicles.

Due to rising crime, this Bi-folding gate is your solution for a complete closure of your perimeter, with a high speed passage control.

Nowadays, companies and institutions have an increasing need for discreet but effective security of an entrance with controlled passage.

Connectivity

- Self-diagnosis of the Bi-folding gate allowing service/maintenance reports to be sent (SMS/e-mail/cloud...)
- IoT integration
- Industry 4.0 compatible
- Artificial Intelligence (under construction)

A complete system

The solution with the 'SpeedSnake' fits exactly into the Alpatronics range. This way, one manufacturer can be consulted and the user immediately has a total solution tailored to his specific safety needs.

It is a fully developed system with a perspective on future market requirements.

In other words: Ahead of his time!

The controller is implemented with IoT integration in the same way as the controllers of the entire Alpatronics range.

Innovative

- Each gate leaf is independently motor driven and can be controlled separately.
- Specially designed transmission gearbox with a very high torque in a compact housing.
- Position of each gate leaf is controlled by means of built-in encoders (= real time positioning).
- Due to the overdimensioning, there is a high safety factor, making the 'SpeedSnake' resistant to external factors such as: wind load or vandalism.

Dynamic

- Each gate wing is operated with an “electrically driven hinge”. This ensures silent and shock-free power transmission and a smooth movement (without unnecessary mechanical forces of transmission arms) on the gate leaves, which results in a longer lifespan.
- All electrical operating hinge parts are fully synchronised with each other by means of drivers.
- Self-braking reduction ratio which ensures increased safety for the user and makes a brake unnecessary.

Design

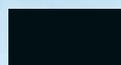
- The Bi-folding gates harmonise with the most beautiful architectures.
- The entire electronic drive is integrated into the column.
- Trackless: the gate moves free from the floor and ceiling; no obstacles.
- Choice of different versions to match your requirements.

Colours

We offer the SpeedSnake in 4 different standard colours, other colours are available as an option.



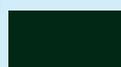
RAL7016
anthracite-grey



RAL9005
pitch-black



RAL6005
mossy green



RAL6009
pine green

Creative

- Unique drive system per wing (AES) - patented.
- Plug-and-play

Quality

- The bearing of the electrically operating hinge is designed to take all axial and radial loads and avoid metal fatigue on the hinges.
- The ‘SpeedSnake’ is exceptionally strong due to the robust section and oversized components.

Safety

- The distance between the vertical bars is 110 mm.
- All safety devices according to the standard EN13241-1
- Controlled speed (open, close) according to required application.
- Elimination of pinching danger by avoiding articulation push/pull arms.
- Use of high-quality safety sensors such as: photocells, pressure strips, ...

Easy installation

The mechanical and electrical installation of the SpeedSnake is quick and easy. The Bi-folding gate is delivered on site pre-assembled and wired as far as possible.

The pre-cabled integrated control unit only has to be connected when the Bi-folding gate is installed, which makes the startup easy.

Maintenance

- Few wear and tear on mechanical parts that require periodic maintenance.
- Easy maintenance, overhaul or replacement of parts, without dismantling the entire gate.

Options

- Various finishing versions
- Different panel styles
- Various wing infills: bar, double bar, perforated or solid
- LED traffic lights
- Access control
- ANPR
- Additional fences and/or gateways
- Acoustic warning
- Flash lighting
- Various safety sensors
- Pictograms
- Mounting materials (templates or foundation template)
- Voice and/or video intercom
- Registration- and operating columns

TYPE: SSS



SpeedSnake Single closed

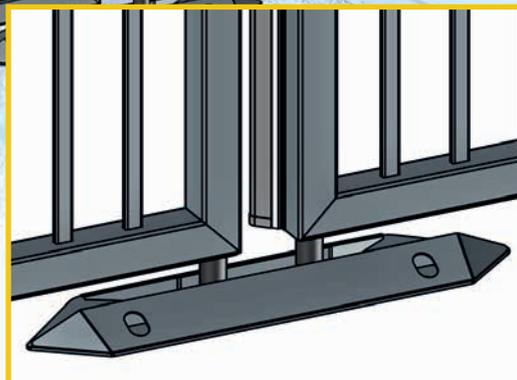


SpeedSnake Single open

TYPE: SSD



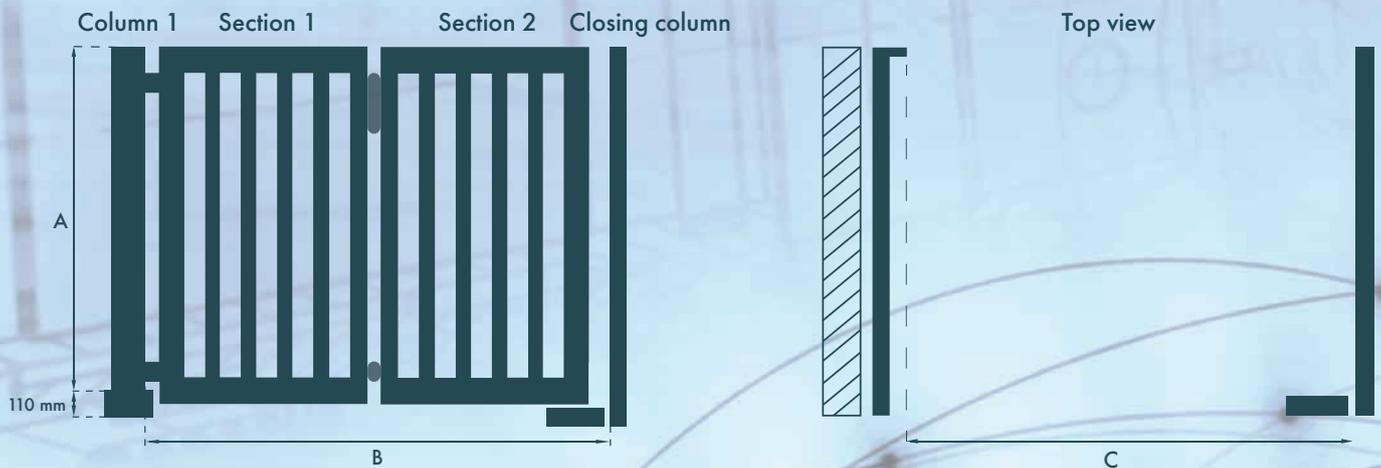
SpeedSnake Double closed



Specifications

Types	<ul style="list-style-type: none"> • SpeedSnake Single (SSS) • SpeedSnake Double (SSD)
Material	Columns and wing sections: steel
Columns	300 x 200 mm, thickness 6 mm
Bars	35 x 15 mm, thickness 1,5 mm
Square tube frame	80 x 80 mm, thickness 2 mm
Options	<ul style="list-style-type: none"> • Traffic lights inside and/or outside • Additional pressure strips • Additional vehicle detection loops • Additional photocells • Flashing light for moving gate wing • Acoustic warning signal for moving gate leaf

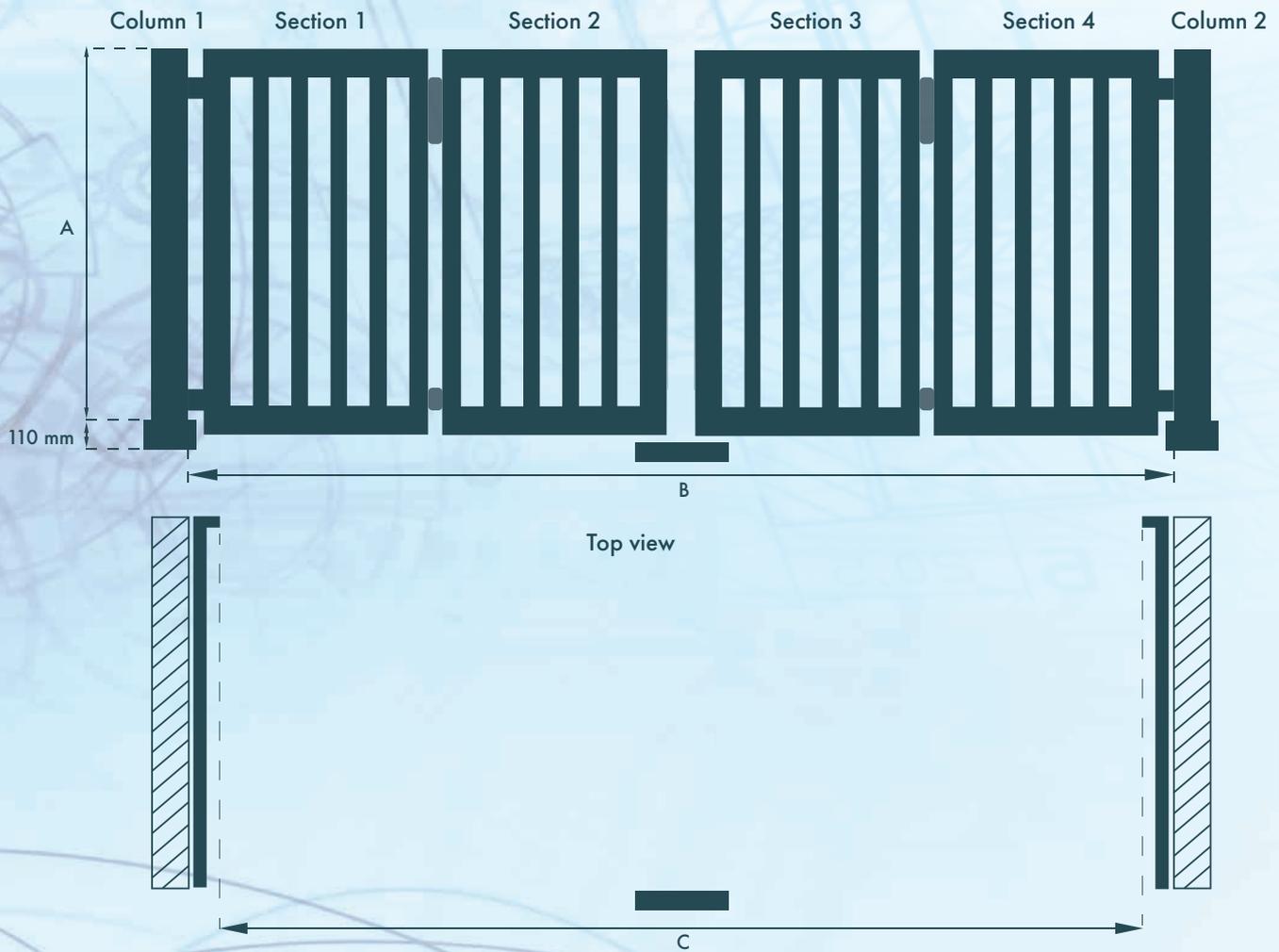
Matrix type SSS



SINGLE GATE - CONSISTING OF 2 SECTIONS

VERSION:	BARS		BAR MATS		PERFORATED SHEETS		CLOSED ALUMINIUM SHEETS		OVERALL WIDTH BETWEEN COLUMNS (B)
COMMERCIAL WIDTH (NW)	HEIGHT (A)								
	2 metres	2,4 metres	2 metres	2,4 metres	2 metres	2,4 metres	2 metres	2,4 metres	
2 metres									
2,5 metres									
3 metres									
3,5 metres									
Other widths possible on request									

Matrix type SSD



DOUBLE GATE - CONSISTING OF 4 SECTIONS

VERSION:	BARS		BAR MATS		PERFORATED SHEETS		CLOSED ALUMINIUM SHEETS		OVERALL WIDTH BETWEEN COLUMNS (B)
COMMERCIAL WIDTH (NW)	2 metres	2,4 metres	2 metres	2,4 metres	2 metres	2,4 metres	2 metres	2,4 metres	
4 metres									
4,5 metres									
5 metres									
5,5 metres									
6 metres									

Other widths possible on request



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