



SpeedStile FLs

MAX Series

Flap Leaf Speed Gate for Internal Installation

Flap Leaf Speed Gate for Internal Installation

Motorized flap leaves

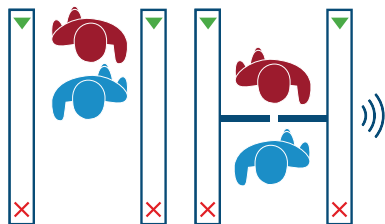
Minimal footprint, transparent and user-friendly design for all users, for sites where limited space is required and aesthetics is important. Quiet and smooth in operation, the SpeedStile FLs MAX has a stainless steel frame and tempered glass lid and can be finished with either square tempered glass, or round stainless steel ends. Available in a selection of clear passage widths, flap leaf heights, top lid materials, finishes and options.

One-leaf service-gate solution for extra wide service passage, also available. Applications include Leisure, Government, Finance, Banking, Retail, Publishing, Telecommunications, Information Technology, Education and many more.

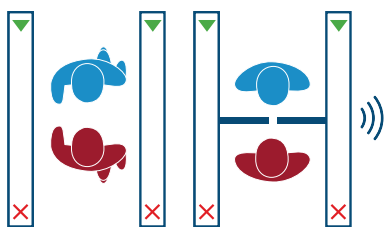
Security Features

Fraud Detection through sophisticated and proven algorithm

Intrusion
Tailgating
Piggybacking
Wrong way direction
Leave isle timeout
Climb-on/over detection (optional)



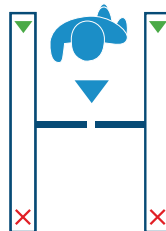
Tailgating and piggybacking detection



Wrong way and intrusion detection

Mode of Operation

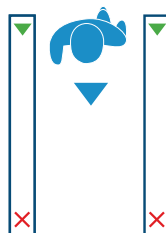
Flap leaves



Normally Closed

Passage in one or both directions is electronically controlled. On receiving a signal from the access control system, or remote control, the flap leaves open (Normally Closed NC). If an unauthorized person tries to tailgate or attempts to enter from the opposite

direction, the in-built alarm system is activated. If within the preset timeout no passage has occurred, the lane will close and reset.



Normally Open

Normally Open N/O provides an open walkway in rest position and will only close at unauthorized entry or tailgating attempts.

User Guidance

LED display pictogram

Indicators flush mounted on the column drive post, with illuminated symbols.

Steady light = Normal use. Flashing light = Alarm conditions



Green Arrow

Steady: Authorized use or designated free passage Proceed through the unit.

Flashing: Emergency/Fire exit.

Red Cross

Steady: Unit in use or no passage. Passage not authorized.

Flashing: Alarm, fraudulent condition or technical alarm.

Dynamic Passage Lighting and Enhanced Audio (Optional)

Additional passenger guidance given by visual and audible cues using dynamic LED strip lighting and audio driver.

Idle State:

LED strip glows blue

Valid Passage:

LED strip traces green in the direction of travel and an audible indication is made 1

Alarm condition:

LED strip flashes red and an audible alarm is played.

1 LED strip color and audio played is customizable depending on customer requirement

Anti-Climb Detection (Optional)

Detection of climb-on and climb-over frauds raises visual and audible alarms.

Climb-on (attempted fraud):

Detection of an intruder climbing on to one end of the cabinet.

Climb-over (successful fraud):

Detection of an intruder passing from one end of the cabinet to the other.

Safety Features

Safety force sensing
Lower safety sensors (option)
Accurate presence sensing
Emitter/receiver infrared sensors technology
Logic voltage 24 V dc
Voltage free contact input for Fire Alarm fail state
Manual push opening on power off
Anti-panic push opening in operation
Wide walkway for wheelchair or easier access
Accompanied wheelchair or child passage management

For security and safety reasons children must be supervised by an adult at all times in the vicinity of an active lane. Any child being escorted through the lane must always precede the accompanying adult during passage.

Design / Construction

Slim and transparent design with square or rounded end legs and tempered glass lid in Stainless Steel and glass finish.

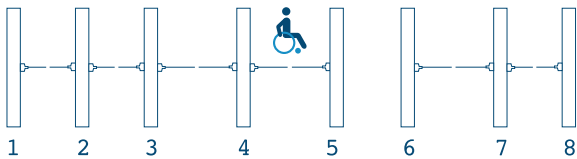
Available cabinet design construction:

Glass leaf height: 34.62" / 47.25" / 59.06" / 70.86" available for any length.

Length: 51.75" (Square End) / 60.31" (Round End)

Standard passage 23.62" and Wide passage (35.43") available. Available also as Combi – center cabinet with narrow (23.62") passage in one side and wide (35.43") passage on the other side

In order to create a lane it is necessary to have one right and one left cabinet. To create more than one lane, use one or more center or combi cabinets. Select cabinets according to the number of lanes and passage width desired.



1. Left 2. Center 3. Combi RW 4. Center Wide
5. Right Wide 6. Left Wide 7. Combi RW 8. Right

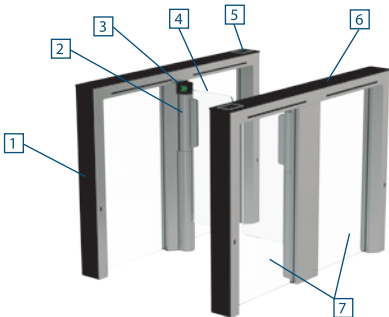
Finishes

Frame and rotor column finishing in 304 grade stainless steel and glass inlay 0.37" thick.

Standard finish for lid: Tempered glass with black silk screen

End legs: Square – Tempered glass with black silk screen.
Round – 304 grade stainless steel

Optional LEDs integrated into the top channel illuminate cabinet glass and surrounding area.



1. End Leg 2. Rotor Column 3. LED display indicators 4. Flap leaves
5. Card Reader Integration 6. Top Lid 7. Glass

Product Range



SpeedStile FLs MAX | Square End Legs



SpeedStile FLs MAX | Round End Legs

Options & Accessories

- Dynamic Lights and Enhanced Audio
- Climb-Over Detection
- Alternative finishes and materials
- Lower safety sensor kit
- Card reader integration
- Ambient LED lighting
- Remote control systems
- Wheelchair Sensor
- One-Leaf Service Gate version to pair with adjacent FLs lanes

Flow rates by type of reader¹

Insertion type	Swipe type	Proximity type
20 Passages per minute	30 Passages per minute	40 Passages per minute

1. Approximate figures.

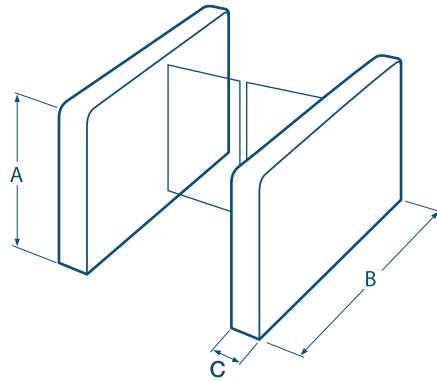
Accessibility of Standard (600mm) vs. Wide (900mm) models

Plain dot indicates the functionality is implemented, empty dot indicates some limitations, no dot indicates not available. Emergency egress² functionality implemented as standard.

600mm	•	•	•	•	•	•	○	○			○
900mm	•	•	•	•	•	•	○	○	•	•	•

Disabled Access: 900mm net passage way and algorithm able to manage wheelchair access.

2. In the event of a power failure the flap leaves will remain in the current position.



Dimensions & Weights

	Glass leaves Overall Height	Passage Width	A Cabinet Height	B Cabinet Length	C Cabinet Width ¹	Weight (lb) Side Cabinet	Weight (lb) Centre Cabinet
Square Ends – Standard	34.64 / 47.24 / 59.05	23.62	38.66	51.73	5.19	154.32	187.39
Square Ends – Wide	34.64 / 47.24 / 59.05 / 70.86	35.43	38.66	51.73	5.19	154.32	187.39
Round Ends – Standard	34.64 / 47.24 / 59.05 / 70.86	23.62	38.66	60.27	5.19	165.34	198.41
Round Ends – Wide	34.64 / 47.24 / 59.05 / 70.86	35.43	38.66	60.27	5.19	165.34	198.41

Dimensions in inches. Weight net (lb). Might require lifting equipment. For details refer to installation detail drawings.

1. Add 2.32"mm for side cabinet or 4.64" for center cabinet due to column rotor

Installation & Maintenance

Product Delivery	Application	Site Preparation ¹	Cabling & Conduits ²	Control Board Location	Systems Integration ⁵	Systems Integration ⁵	Maintenance Access	MTTR ³	MCBF ⁴
Preassembled	Indoor	Flat & level finished floor +/- 0.19"	Through the ground	Rotor Column	27 digital interface I/O RS232 RS485	Settings programmable via parameters	Drive column and lid access	Less than 30 minutes	4 Million

1. Bolting depth MIN 2.75", concrete MIN fckcube 4531lb/in² resistance, MIN 51.18" (59.05" or 78.74" depending on the cabinet length) x 15.74" x 5.9" deep. 2. Running MIN 5.51" below finished floor level, should rise MIN 1.96" from foundation. 3. Potential free contact for card reader input 4. Mean time To Repair. 5. Mean Cycle Between Failure.

It is the customer's responsibility to ensure the structural integrity and strength of the installation location. Data provided is for information only, please refer to your usual Gunnebo Entrance Control Customer Service contact in order to prepare the installation site.

Electrical Data & Conditions of Use

Power Supply	Power Rating	Fire Signal	Operating Temperature	IP Rating	Noise Level
230Vac 50Hz1	120VA	Input for voltage free contact	+41°F to + 104°F RH 95%	IP20	Less than 55dB2

SpeedStile FLs MAX

Discover how to make your world safer:
www.gunneboentrancecontrol.com/en_us

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