

Speedgate Swing Slim

The access solution with attractive design and high comfort



record Speedgates



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Flap Leaf Speedgate Swing Slim for Internal Installation

Motorised flap leaves

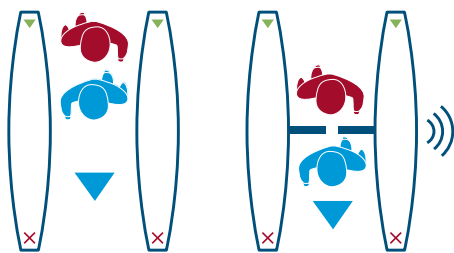
Minimal footprint, transparent and user-friendly design for all users, for sites where limited space is required and aesthetics is important. Quiet and smooth in operation, this record Speedgate Swing Slim concept design is available in the BA finish with square-ends or in the EV version with round-ends, both with a selection of cabinet lengths and flap leaf widths, selection of high leaves up to 1800mm available, 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, Telecommunications, Information Technology, Publishing, Education.

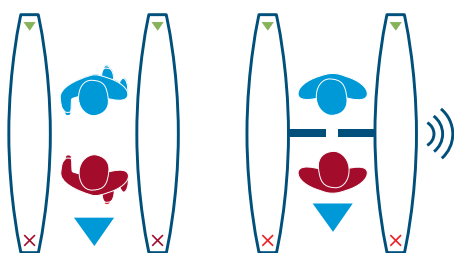
Security Features

Fraud Detection through sophisticated and proven algorithm

| |
|---------------------|
| Intrusion |
| Tailgating |
| Piggybacking |
| Wrong way detection |
| Leave aisle timeout |

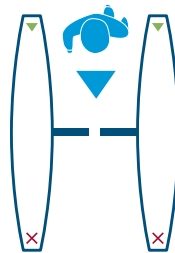


Tailgating and piggybacking detection



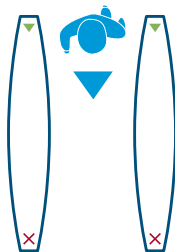
Wrong way and intrusion detection

Mode of Operation



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 ClosedNC). If an unauthorised person tries to tailgate or attempts to enter from the opposite direction, the in-built alarm system is activated. If within the pre-set 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 unauthorised entry or tailgating attempts.

Illuminated symbols

Steady light = Normal use.
Flashing light = Alarm conditions.



Green Arrow

Steady: Authorised use or designated free passage
Proceed through the unit
Flashing: Emergency / Fire exit.

Red Cross

Steady: Unit in use or no passage. Passage not authorised.
Flashing: Alarm, fraudulent condition or technical alarm.

LED display pictogram indicators flush mounted on the column drive post, with illuminated symbols.



Safety Features

| |
|--|
| Safety force sensing |
| Safety light curtain (option) |
| Accurate presence sensing |
| Emitter/receiver infrared sensors technology |
| Logic voltage 24 Vac |
| Voltage free contact input for Fire Alarm fail state |
| Manual push opening on power off |
| Anti-panic push opening in operation |
| Wide walkway for wheel chair 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

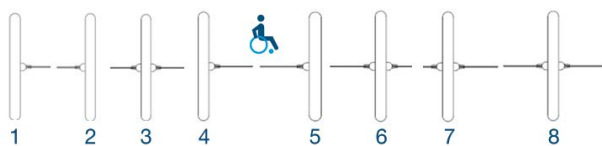
Available versions are the BA with square ends and the EV with round ends, both in Stainless Steel and glass finish. Available cabinet design construction (for both versions):

Glass leaf heights:
880mm/1200mm/1500mm/1800mm available for any length.

Cabinet Length: 1200mm/1400mm/1870mm

Standard passage way 600mm and Wide passage (900mm) available. Available also as Combi – centre cabinet with narrow (600mm) passage on one side and wide (900mm) 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 centre or combi cabinets. Select cabinets according to the number of lanes and passage width desired.



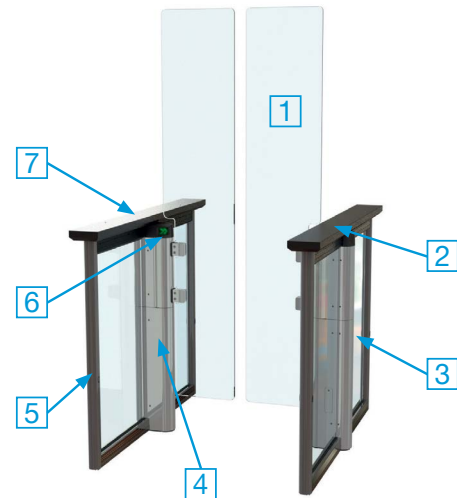
1. Left 2. Right 3. Centre 4. Left Wide 5. Right Wide
6. Centre Left Wide 7. Centre Right Wide 8. Centre Wide



Two lane configuration comprising of 1N°L, 1N°C and 1N°R cabinets (left), and
Two lane configuration comprising of 1N°1 LW, 1N°CLW and 1N°R cabinet (right).

Finishes

BA and EV versions share the same chassis, plinth and end leg posts and rotor column finishing in 304 grade stainless steel and glass inlay 10mm thick. Standard finishes for lid: Black technopolymer (square ends) for BA and black technopolymer (round ends) for EV.



1. Flap Leaves. 2. Card reader integration. 3. Glass inlay panel.
4. Rotor column. 5. End leg post. 6. LED display indicators. 7. Lid.

Optional finishes for top lid



Optional finishes for lid with solid Corian, EV only:



Applied finishes for top lid

White or Black Carbon fibre effect, Dark Mahogany effect or Light Maple effect.

Options & Accessories

| | |
|------------------------------------|---|
| Alternative finishes and materials | Remote control systems |
| Light curtain safety kit | Pre-assembled or in a kit form |
| Card reader integration | One-leaf service gate version to pair with adjacent record Speedgate Slim lanes |
| Clear acrylic wings | |












Access Specifications

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 for Standard (600mm) vs. Wide (900mm) models

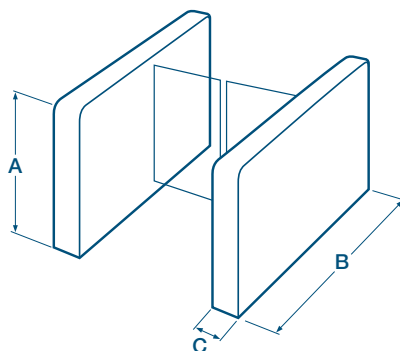
| |  |  |  |  |  |  |  |  |  |  |  |
|-------|---|---|---|---|---|---|---|---|---|---|---|
| 600mm | • | • | • | • | • | • | ○ | ○ | | | ○ |
| 900mm | • | • | • | • | • | • | ○ | ○ | • | • | • |
| | • Standard | ○ some limitations | | | | | | | | | |

Disabled Access: 900mm net passage way and algorithm able to manage wheelchair access.
In the event of a power failure the flap leaves will remain in the current position.

Electrical Data & Conditions of Use

| | | | | | | |
|--------------------------|-------------------------|-----------------------------|--------------------------------|--------------------------------------|-----------|-----------------------------|
| Power Supply | Power Rating (Stand by) | Power Rating (In Operation) | Fire Signal | Operating Temperature | IP Rating | Noise Level |
| 230VAC 50Hz ¹ | 20VA | 120VA | Input for voltage free contact | +5°C to + 40°C RH 95% Non condensing | IP20 | Less than 55dB ² |

1. 115VAC 60Hz also available on demand. 2. Note: Average background noise in office environment is 50-55dB



Dimensions & Weights

| | Glass Leaves Overall Height | Passage Width | A Cabinet Height | B Cabinet Length | C Cabinet Width ¹ | Weight (kg) Side Cabinet | Weight (kg) Centre Cabinet |
|---------------|-----------------------------|---------------|------------------|------------------|------------------------------|--------------------------|----------------------------|
| Standard 1200 | 880/1200/1500/1800 | 600 | 940 | 1200 | 120 | 60 | 75 |
| Wide 1200 | 880/1200/1500/1800 | 900 | 940 | 1200 | 120 | 63 | 81 |
| Standard 1400 | 880/1200/1500/1800 | 600 | 940 | 1400 | 120 | 65 | 80 |
| Wide 1400 | 880/1200/1500/1800 | 900 | 940 | 1400 | 120 | 68 | 86 |
| Standard 1800 | 880/1200/1500/1800 | 600 | 940 | 1870 | 120 | 75 | 90 |
| Wide 1800 | 880/1200/1500/1800 | 900 | 940 | 1870 | 120 | 78 | 96 |

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

1. Add 65mm for side cabinet or 130mm for centre 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 or kit form as option | Indoor | Flat & level finished floor +/- 5 mm | Through the ground | Into rotor column | 27 digital interface I/O RS232 RS485 | Settings programmable via parameters | Drive column and lid access | Less than 30 minutes | 4 million (5 million if NO) |

1. Bolting depth MIN 70 mm, concrete MIN fckcube30N/mm 2. resistance, MIN 1300 (1500 or 2000 depending on the cabinet length) x 400 x150 mm deep. 2Running MIN 140 mm below finished floor level, should rise MIN 50 mm from foundation. 3. Mean time To Repair. 4. Mean Cycle Between Failure. 5. Potential free contact for card reader input. New Electronic Platform with in-built RS485 and COM1 switching interface.

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