



# SpeedStile FL

## Speed Gate with Swinging Glass Barrier



Gunnebo's SpeedStile FL brings together slim design, versatility, efficiency, and uncompromised security. A minimal footprint and transparent, user-friendly design means the SpeedStile FL can be placed in any environment where space is limited and aesthetics are valued. With its sophisticated sensor system and unobtrusive, contactless security barriers, the SpeedStile FL is able to accommodate a high throughput while effectively preventing unauthorized access.

The SpeedStile FL features an extensive range of customization options to suit any architectural and design need, including a selection of cabinet lengths, top lid materials, and casework finishes. The modular build allows for a variety of layouts, such as a single ADA compliant lane or a combination of standard and ADA compliant lanes.

Gunnebo has equipped some of the most prestigious buildings in the world with entrance security solutions that protect people and assets by regulating and controlling access. The SpeedStile FL, like all of Gunnebo's security solutions, is durable and reliable, thus reducing operational and maintenance costs.

Quiet and smooth in operation, the SpeedStile FL offers unsurpassed throughput while ensuring unauthorized users are kept out of secure spaces. Applications include public and commercial buildings, government buildings, colleges, and universities.

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### TECHNICAL SPECIFICATIONS

<b>Orientation</b>	Bi-Directional	
<b>Unit Dimensions</b>	FL Standard	FL Wide (ADA Compliant)
Casework Length	59.1"	59.1"
Casework Height	39.4"	39.4"
Casework Width	6.7"	6.7"
Walkway Width	25.6"	37.4"
Glass Height	36.0", 47.2", or 70.9"	36.0", 47.2", or 70.9"
<b>Drive</b>	Motorized	
<b>Materials</b>	Pedestal	304 grade stainless steel and 0.53" thick tempered glass inlay
	Pedestal Lid	Anodized aluminum black or silver (other options available)
	Barrier	0.39" thick tempered glass or optional clear acrylic
<b>Drive Mechanism</b>	The moving panels are directly mounted to the output shaft of a DC electric motor and gearbox. The motor and gearbox assembly is mounted vertically in the central column. The moving panel position is monitored by a rotary encoder and the location, speed, and movement are controlled by microprocessor control system. The opening and closing speeds, home, and end positions are adjustable within the controller. Safety photocells prevent the panels from closing on an obstruction. Should the normal panel operation encounter an obstruction, the controlling logic detects an abnormal condition and stops the panels from moving.	
<b>Function</b>	Passage in both directions electronically controlled. Default mode is Normally Closed (NC), and lane will open only upon acceptance of an authorized signal.	
<b>Tailgate Detection</b>	Provided through strategically located infrared sensors to accurately monitor pedestrian movement.	
<b>Operation</b>	On receiving a signal from the access control system or pushbutton, the panels open. If an unauthorized person tries to tailgate or enter from the opposite direction, the system detects the unauthorized passage and activates the built-in alarm system.	
<b>Fire Alarm</b>	Input facility, for voltage-free contact supplied by others to effect fail state.	
<b>Power Supply</b>	115VAC 60HZ (230VAC 50HZ available)	
<b>Power Rating</b>	Stand By	20VA
	In Operation	120VA
<b>Logic Voltage</b>	24VAC	
<b>Battery Backup</b>	On power failure, the battery backup will allow the panels to open (or close), stop, and become inactive. The panels will remain in this position until power is restored.	
<b>Flow Rates</b>	30 single users per minute, 40 multiple users per minute (approximate figures).	
<b>Approx. Weight</b>	FL Side Cabinet	287-328 lbs per cabinet
	FL Center Cabinet	320-392 lbs per cabinet

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### OPERATIONAL MODES & NOTIFICATIONS

#### Interface

Potential free contact provided by either card reader or pushbutton input. Card reader inhibit and reset signals are available as standard. The unit has an adjustable time out facility if required; the go ahead symbol will be cancelled if the passage through the SpeedStile is not completed within a pre-set and field programmable time frame.

#### Operational Modes

##### Full Time Barrier (Normally Closed) Mode

The swinging panels remain closed until a valid access control card is presented. Tailgaters and unauthorized entries are signaled by an alarm-type tone. If an unauthorized card is presented, the lane will sound an alarm and the panels will remain closed to prevent the user from proceeding further without intervention.

##### Standard Operating Modes

Switchable via optional pushbutton Desk Top Controller (DTC) or an optional digital touchscreen (HMI):

- Enter/Card In
- Exit/Card Out
- Free Exit/Card Out
- Close
- Reset

#### Pictogram Lights

LED display pictograms are fitted into the SpeedStile drive columns, one in each direction, to visually assist the user when passing through the unit. Included as standard.



Green Arrow

##### Normal Use

The green arrow symbol is continuously illuminated indicating passage is available. Upon authorization, the green arrow will remain illuminated in the direction of passage authorization, while in the opposite direction a red cross symbol will illuminate to indicate the unit is not available for use or is already in use.



Red Cross

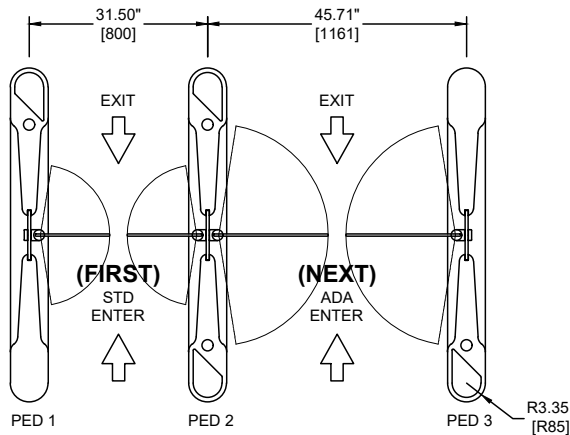
##### Alarm Conditions

The flashing green arrow indicated free passage to evacuate through the gate. A flashing red cross indicates a fraudulent condition or technical alarm, and passage through the unit is not authorized.

# SpeedStile FL

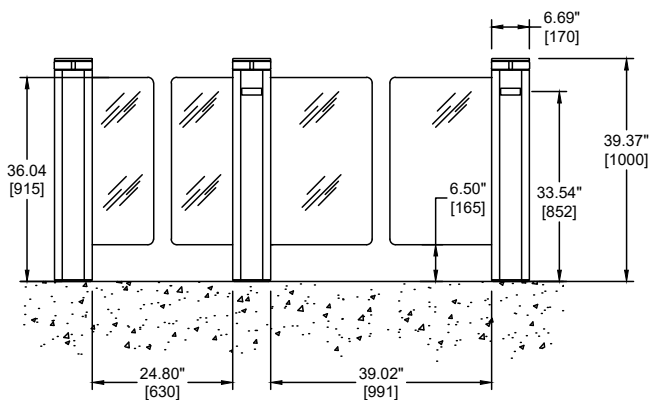
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## LAYOUT CONFIGURATION & STANDARD DIMENSIONS

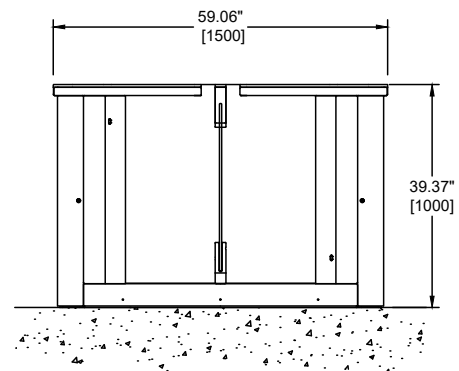


**PLAN VIEW**

## 2L3P SPEEDSTILE FL 1500 CARD IN / CARD OUT



**ELEVATION VIEW**



**SIDE VIEW**

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### ACCESSORIES & DESIGN OPTIONS

<b>Alternative Materials, Finishes, and Custom Design</b>	<ul style="list-style-type: none"> <li>• Refer to Gunnebo Entrance Control Inc. for specific material design requirements</li> <li>• Alternative PUR RAL colors, finishes, and effects</li> <li>• Lid material options</li> </ul>
<b>Card Reader Options</b>	<ul style="list-style-type: none"> <li>• Integration of customer supplied readers into the SpeedStile top or front inlays</li> <li>• Proximity, magnetic stripe, biometric or barcode readers all compatible</li> <li>• Barcode scanners mounted to accommodate visitor access</li> </ul>
<b>Remote Lane Control</b>	<ul style="list-style-type: none"> <li>• Simple pushbutton console to control the SpeedStile barrier release</li> <li>• Custom remote pushbutton console to specific requirements</li> <li>• Casework mounted pushbutton</li> <li>• Digital touchscreen with advanced controls</li> </ul>
<b>Alternative Mounting</b>	Specialized mounting base platforms giving concealed cableway and requiring no drilling, trenching, or core drilling to the floor.
<b>Counting</b>	LCD and electromechanical counter
<b>Lane Lights and Logos</b>	<ul style="list-style-type: none"> <li>• Mounted in the SpeedStile drive column to act as traffic light flow control</li> <li>• Custom LED lane lighting</li> <li>• Custom logos and etching on SpeedStile barrier</li> </ul>
<b>Infill Panels</b>	Where extra space presents in a design, integrated or standalone space infill solutions can be provided.
<b>Elevator Destination Dispatch</b>	Mounting integration of customer supplied LCD screens for elevator destination dispatch systems.

For further information, please contact:

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Note: In pursuit of its policy of continuous refinement and improvement, Gunnebo Entrance Control reserves the right to modify design and details at any time and without notice.