



SpeedStile BP

Bi-Parting Speed Gate with Sliding Acrylic Wings

The SpeedStile BP continues to be one of Gunnebo's most popular and sought after speed gate products. The SpeedStile BP can be designed in a wide variety of finishes such as stainless steel, brass, marble, and granite. Originally designed for Mass Transit applications, the award-winning SpeedStile design can be placed in any environment where barrier deterrence and fast throughput are number one priorities.

Manufactured in either ADA compliant or standard sized housings, the SpeedStile BP offers unsurpassed throughput while ensuring unauthorized users are kept out of secure spaces. The SpeedStile BP incorporates Gunnebo's years of tested optical technology with normally closed angel-wing barriers that retract in and out of the turnstile housings. Safety beams and torque sensing are added precautions that make the SpeedStile BP safe for public use.

Custom options such as housing finishes and design, along with access control reader integration (prox, biometric, visitor management, etc.) make this product a great solution where speed of throughput, security, and design are required.

With the integration of a touchscreen or pushbutton controller, remote locations are provided with everything needed to fully tailor, control, and optimize the speed gates to meet their specific site requirements.

Designed and built in the USA, the SpeedStile BP can be installed as a single ADA compliant lane or in combination with multiple lanes placed in parallel.

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TECHNICAL SPECIFICATIONS

Orientation Bi-Directional

Unit Dimensions BP BPW (ADA Compliant)

<i>Casework Length</i>	57.2"	57.2"
<i>Casework Height</i>	37.4"	37.4"
<i>Casework Width</i>	12.2"	19.3"
<i>Walkway Width</i>	22.0"	36.0"

Drive Motorized

Materials	Top/Front	Painted polyurethane to RAL color of customer's choice
	Wing Housing	Painted steel finished to match front and top
	Inlay/Base	#4 grained stainless steel
	Wings	0.59" hardened clear acrylic
	Side Doors	Cobalt Grey 0.33" 3 ply laminated safety glass

Drive Mechanism The wings are moved by mechanical arms. The arms are rotated by a torque shaft connected to the drive unit. The drive unit is a DC motor working in conjunction with a bi-directional encoder. A microprocessor control system guarantees the precise movement and positioning of the wings.

Function Passage in both directions electronically controlled. Default mode is Normally Closed (NC), and lane will open only upon acceptance of an authorized signal.

Sensor Direction Provided through infrared sensors.

Operation On receiving a signal from the access control system or push button, the wings 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.

Fire Alarm Input facility, for voltage-free contact supplied by others to effect fail state.

Power Supply 115VAC 50/60Hz. In the event of a power failure, the wings will drive to the open position.

Power Rating	Stand By	10 VA
	In Operation	300 VA

Logic Voltage 24VDC

Battery Backup On power failure, the battery backup will allow the wings to open (or close), stop, and become inactive. The wings will remain in this position until power is restored.

Flow Rates 22 single users per minute, 38 multiple users per minute (approximate figures).

Approx. Weight	BP Standard	285-335 lbs per cabinet
	BP ADA	320-400 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 sliding wings 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 wings 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 touch screen (HMI):

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

Audible Notifications

Each lane of the SpeedStile has four audible notifications to indicate the following:

- One tone - Reminder to swipe card
- Chime - Access authorization
- Two tone - Lane alert
- Loud buzzer - Forced barrier

Pictogram Lights

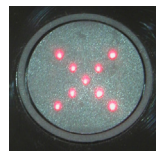
1.97" diameter LED display pictograms flush-mounted within the SpeedStile lid top face (included as standard). The green badge symbol is continuously illuminated indicating passage is available. Upon authorization a green arrow will illuminate in the direction of passage authorization, while in the opposite direction a red cross symbol will illuminate to indicate the unit is not available for use or is already in use. *See the next page for pictogram light instructions.*



Green Card



Green Arrow



Red Cross

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PICTOGRAM LIGHT INSTRUCTIONS

Uniquely designed Card Reader Pictograms are fitted into the SpeedStile top, one each direction, to visually assist the user when passing through the unit.

Normal Use



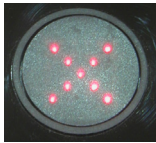
Green Card

Present personal security card to the reader mounted upon the unit for authorization. Wait for the green arrow to illuminate and the barrier to open.



Green Arrow: Authorized Use or Designated Free Passage

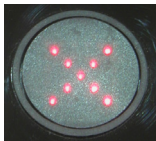
Proceed through the unit. For FREE PASSAGE configuration, authorization is not required. Normally used for EXIT only.



Red Cross: Unit in Use or No Passage

Wait until the passageway has been vacated and either the green card or green arrow to illuminate.

Alarm Conditions



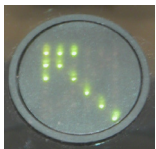
Flashing Red Cross and Audible Alarm: Fraudulent Condition

This alarm mode will be activated via the following scenarios: Passageway is already in use and a 2nd person has attempted to follow through—tailgating—or passageway is currently in use and you do not have right of pass. *Do not panic:* Vacate the passageway. Wait for the flashing red cross to stop flashing and the audible alarm to cease. Wait for the green arrow to illuminate to indicate who has the right of passage.



Flashing Green Card: Incorrect Use Mode

Do not panic: Present card to the reader mounted on the unit for authorization. Authorization of passage will cancel the alarm condition.



Flashing Green Arrow: Emergency / Fire Exit

Do not panic: There is FREE PASSAGE to evacuate through the gate.

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ACCESSORIES & DESIGN OPTIONS

Alternative Materials, Finishes, and Custom Design

- Refer to Gunnebo Entrance Control Inc. for specific material design requirements
- Alternative PUR RAL colors, finishes, and effects
- Inlay material options

Card Reader Options

- Integration of customer supplied readers into the SpeedStile top or front inlays
- Proximity, magnetic stripe, biometric or barcode readers all compatible
- Barcode scanners mounted to accommodate visitor access and readable via an insertion method (slot) or scanning type

Remote Lane Control

- Simple push button console to control the SpeedStile wing release
- Custom remote push button console to specific requirements
- Casework mounted pushbutton
- Digital touchscreen with advanced controls

Alternative Mounting

Specialized mounting base platforms giving concealed cableway and requiring no drilling, trenching, or core drilling to the floor.

Counting

LCD and electromechanical counter

Lane Lights and Logos

- Mounted upon the front section of the SpeedStile to act as traffic light flow control
- Custom LED lane lighting
- Custom logos and etching on SpeedStile barrier

Infill Panels

Where extra space presents in a design, integrated or standalone space infill solutions can be provided.

Elevator Destination Dispatch

Mounting integration of customer supplied LCD screens for elevator destination dispatch systems.

Pressure Sensitive Lids

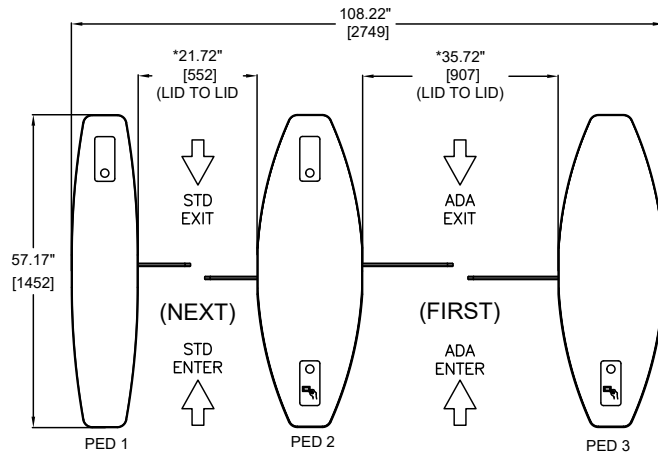
Pressure sensitive lids can be installed to provide 'jump over' alarm notification via both LED lights and an audible alarm. This option can be installed in both the entry and exit directions.

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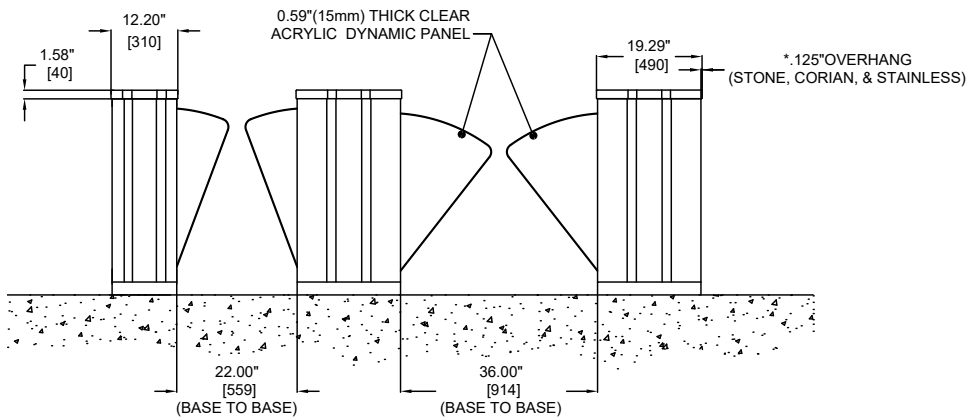
LAYOUT CONFIGURATION & STANDARD DIMENSIONS

For installation details, please refer to the installation manual.

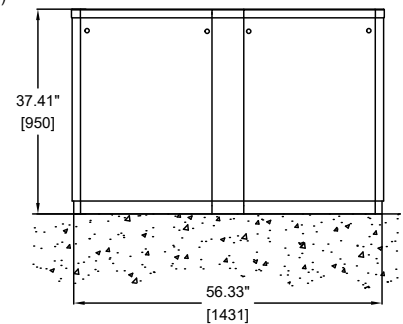


PLAN VIEW

SpeedStile BP
Typical 2 Lane / 3 Pedestal Configuration
Card In / Free Exit



ELEVATION VIEW



SIDE VIEW

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CONTACT



For further information, please contact:

Gunnebo Entrance Control Inc.

535 Getty Ct., Benicia, CA 94510

Tel: 513-666-4821

Email: info@gunnebo.us

www.gunneboentrancesecurity.com

Gunnebo Entrance Control, Inc. is a company within the Gunnebo Group:

Gunnebo AB

Box 5181 SE-402 26 Goteborg, Sweden

Tel: +46 31 83 68 00

www.gunnebo.com

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.



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