Barrier turnstiles

Fastlane® Glasswing

BARRIER TYPE

GLASS | ARM | OPTICAL

FOOTPRINT

Fast Acting “Angel Wing” Barriers

Fastlane Glasswing is an optical turnstile with retracting glass barriers, uniquely available in three widths. It combines advanced optical technology with elegant wing-shaped barriers for rapid throughput and intelligent tailgate detection. With Fastlane, security has never looked so inviting.

Advanced intelligence

Fastlane turnstiles have an advanced architecture based on distributed intelligence. An infrared beam matrix engineered with multiple microprocessors monitors pedestrian movement with pinpoint accuracy, detecting tailgaters as close as 1/4” apart. Inherently more secure, this technology also enables the fastest entry and minimizes false alarms.

IP enabled

Glasswing features Fastlane Connect™, a TCP/IP communication and control system that enables Web-based turnstile control from any PC, tablet, smartphone, or from Fastlane’s Multilane Controller.

Operation

Glasswing is designed to work in a normally closed mode, opening only after an access system approval. The glass barrier retracts into the pedestal. Barriers then either:

- Close quickly behind the authorized person to deter tailgaters
- Stay open for immediate additional authorized users passing in either direction

Glasswing will automatically sound a local alarm if someone enters without authorization.

- Efforts to push past the glass barrier will sound a second, louder alarm
- A secondary relay can trigger CCTV, lock doors, or control elevators
- Optional locking brake for more secure enviroments

User-friendly and safe

Fastlane Speedgates feature up to 32 safety beams designed to stop the barriers from moving in the event that any of the beams are broken. The units feature a fire alarm input to allow for unimpeded emergency egress and the units can be configured to fail safe in the event of power fail.

HIGH SECURITY

Advanced technology for superior entry control

- Detects and deters tailgaters in very close proximity
- Class leading infrared detection systems

PINPOINT ACCURACY

Intelligence virtually eliminates false alarms

- Differentiates body mass from smaller objects
- Provides instant feedback of traffic flow and incidents

UNSURPASSED THROUGHPUT

Greater return on investment

- High processing speed reduces traffic build-up
- One person per second minimizes turnstiles required

SUPERIOR DESIGN

Refined, elegant designs accentuate lobby

- Glass barriers provide secure and welcome entry
- Barriers retract into the pedestal maximizing the lane width

FIELD-PROVEN RELIABILITY

Uptime and long lifetime improve bottom line

- Fewer failures mean lower repair costs
- Online diagnostics and support packages

Materials

- Barriers: .39" Toughened Safety Glass EN12150 / ANSI Z97.1
- Side panels and end caps: 304 stainless steel with a horizontal grain (240 grit)
- Tops: Low iron white-backed glass
- Beam windows: Perspex® 962

In addition to a choice between elliptical or square pedestal ends, a variety of premium and custom options are available to ensure Fastlane complements building aesthetics.

Visitor management

Fastlane features an optional visitor management input. When activated, unlimited access is allowed for a designated period, after which the system returns to its secure state.

Disabled access

Fastlane is compliant with ADA as well as most international standards. A wider lane using the same slim pedestals allows for wheelchair or cart access. Audio/Visual feedback is standard.

Options/Accessories

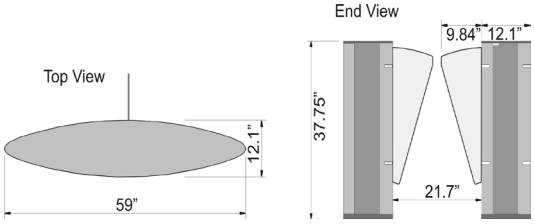
- Fastlane Technical Services
- Fastlane Floor Protector
- Fastlane Infill System
- Multiple desktop controls - IP or Analog
- FastScan™ Tenant/Visitor System
- Multiple Reader Mounting Options
- Locking Barriers
- Available UL 2593 certification upon request

Please see Fastlane accessories data sheets for additional details.

Fastlane Glasswing dimensions

(standard, narrow, elliptical ends, single turnstile)

Please see the Glasswing Drawing Pack for additional details.



FASTLANE GLASSWING TECHNICAL SPECIFICATIONS

Pedestal Dimensions (standard and ADA)

- Height: 36.5" (928 mm)
- Length Compact elliptical ends: 59.1" (1,500 mm)
- Length Compact square ends: 49.3" (1,252 mm)
- Length Standard elliptical ends: 59.1" (1500 mm)
- Length Standard square ends: 49.3" (1,252 mm)
- Length Wide elliptical ends: 59.1" (1,500 mm)
- Length Wide square ends: 49.3" (1,252 mm)

Barrier Glass Dimensions

- Narrow: 9.84" (250 mm)
- Standard: 12.4" (314 mm)
- Wide: 16" (400 mm)

Barrier Breakaway Force

- 25 N (2.5 kg) nominal

Inputs from Access Control

- Require voltage-free switching (current sense 1 mA typical)
- Entry request (normally open closing for 1 second)
- Exit request (normally open closing for 1 second)
- Visitor access in & out (normally open momentary push button)
- Fire panel integration- Optocoupled Input 12-24 V DC @ 25mA nominal

Lane Width

- Narrow: 21.7" (550 mm)
- Standard: 26" (660 mm)
- Wide: 36" (914 mm)

Opening/closing time

- 0.4 second minimum

Operating Modes

- Card in/card out
- Card entry/free exit
- Free entry/card out
- Free entry/free exit

Outputs to Access System

- Voltage free relay contacts rated 0.5A, 28 V DC for output to system
- Lane entered (NC)
- Lane exited Exit (NC)
- Alarm 1 (NC, opening for 1s)
- Alarm 2 (NC, opening for 1s)

Throughput*

- 1 person / second maximum (subject to response time of access control system)

Power Requirements

- Input: 115 V AC, 60 Hz or 230 V AC, 50 Hz
- Output: 24 V DC, 60 W, 1.25 A

Display

- Tri-color end of turnstile indicators: red, white, green

Tailgate Detection Distance

- 1/4" (5 mm) minimum

Reliability

- 5,000,000+ cycles*

Certifications (power supply only)

- CSA C22.2 No. 247
- UL 60950-1, 2nd edition
- CSA C22.2 No. 60950-1-07, 2nd edition

Audible Indicators

- Single tone sounder: card authorization and turnstile obstructions
- Multi-tone variable volume sounder: alarm condition

Ethernet Connection

- RJ45 port

Optics

- Optical turnstile - pulsed multi-infrared beam array, synchronized for detection and safety
- Environmentally hardened to avoid sunlight interference

* Expected time to pass through turnstile.
* In normal use, 5,000,000 cycles of operation is expected before electromechanical subassemblies may require replacement as part of an approved preventative maintenance program.
*Fastlane logo present on left-most pedestal base. Removal available upon request.
* Due to continuous improvements, specifications are subject to change without prior notice.