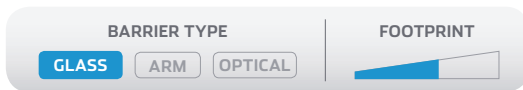Speedgates

Fastlane® Glassgate 150

Elegance and intelligence, defined

Fastlane Glassgate 150 is a compact optical turnstile with sleek pedestal-height barriers. It streamlines advanced optical technology with bidirectional swinging glass gates for rapid throughput and intelligent tailgate detection. With Fastlane, security has never looked so inviting.

BARRIER TYPE	FOOTPRINT
GLASS ARM OPTICAL	

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

Glassgate 150 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

Glassgate is designed to work in a normally closed mode, opening only after an access system approval. The glass barrier swings away from an authorized user. Barriers then either:

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

Glassgate 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

User-friendly and safe

Fastlane Speedgates features a 32 beam high resolution infrared matrix 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	Pinpoint accuracy	Unsurpassed throughput	Superior design	Field-proven reliability
Advanced technology for superior entry control	Intelligence virtually eliminates false alarms	Greater return on investment	Refined, slim designs accentuate lobby	Uptime and long lifetime improve bottom line
■ Detects tailgaters following behind authorized personnel ■ Glass barriers are a visual and physical deterrent	■ Differentiates body mass from smaller objects ■ Increases acceptance, avoiding guard tune out	■ High processing speed reduces traffic build-up ■ Door-like motion ensures quick user acceptance	■ Glass barriers provide secure and welcome entry ■ Barriers open flush with the pedestal, minimizing footprint	■ Fewer failures mean lower repair costs ■ Minimizes need for extra guards

Speedgates

Fastlane Glassgate 150

Materials

- Gates: toughened glass (to EN 14179 / ANSI 97.1)
- Side panels and end caps: 304 stainless steel with a satin polish
- Tops: 304 stainless steel with Corian® Deep Black Quartz ends
- Beam windows: Perspex® 962

Glassgate 150 comes standard with rounded 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 and wider glass 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
- Icon Status Display
- Pressure Sensor Tops
- Available UL 2593 certification upon request

Please see Fastlane accessories data sheets for additional details.

Technical specifications

Pedestal dimensions (standard and ADA)
- Height: 38" (965 mm)
- Width: 6.6" (168 mm)
- Length: 45.2" (1,148 mm)

Barrier glass dimensions
- Height from floor: 33.3" (847 mm)
- Standard width: 11" (279 mm)
- ADA width: 15.7" (399 mm)

Lane width
- Standard lane: 26" (660 mm)
- ADA lane: 36" (914 mm)

Opening time
- 1 second maximum

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

Tailgate detection distance
- 1/4" inches (5 mm) minimum

Barrier glass breakaway force
- 40 N (4.1 kg) nominal

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

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

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

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

Ethernet Connection
- RJ45 TCP/IP port

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

Reliability
- 5,000,000+ cylces*

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- Opto-coupled Input 12-24 Vdc @ 25mA nominal

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)

Certifications (power supply only)
- UL 60950-1
- CSA C22.2
- No. 60950-1-07, second edition

* Expected time to pass through turnstile.

* In normal use, 5,000,000 cycles of operation is expected before electromechanical subas-semblies may require replace-ment as part of an approved preventative maintenance program.
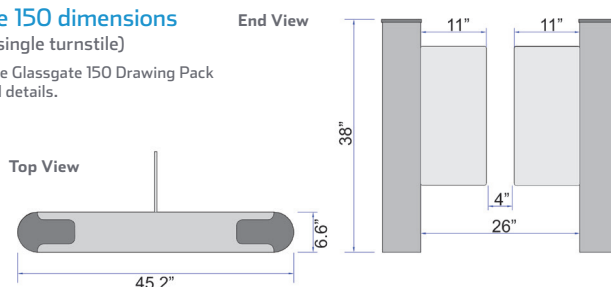
* Due to continuous improvements, specifications are subject to change without prior notice.

Details

Glassgate 150 dimensions
(standard, single turnstile)

Please see the Glassgate 150 Drawing Pack for additional details.

End View

11" 11"

38"

4"

26"

Top View

6.6"

45.2"

With thousands of systems installed on 6 continents, Fastlane is a world leader in elegant and intelligent optical turnstiles.

DS-19-3