Speedgates

Fastlane Glassgate® 300

Glassgate models

| 150 | 200 | 250 | **300** | 400 |

Elegance and intelligence, defined

Fastlane Glassgate 300 has a strikingly unique design with a limited frame, glass sides, and variable-height barriers. It features advanced optical technology with bidirectional swinging glass gates for rapid throughput and intelligent tailgate detection. With Fastlane, security has never looked so inviting.

COST	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 ¼" apart. Inherently more secure, this technology also enables the fastest entry and minimizes false alarms.

IP enabled

Glassgate 300 features Fastlane Connect™, a TCP/IP communication and control system that enables Web-based lane control from any PC, tablet, or smartphone.

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

Glassgate barriers have variable torque and speed settings to tailor the units to specific applications. Barriers automatically:

> Slow to a crawl to avoid contact when safety beams sense an object in the way
> Break away in either direction to minimize injury or damage

Optionally, barriers can be configured to open in the exit direction upon fire alarm or power outage.

High security	Pinpoint accuracy	Fastest entry	Unsurpassed elegance	Field-proven reliability
Advanced technology for superior access 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	> Differentiates body mass from smaller objects	> High processing speed reduces traffic build-up	> Glass barriers provide secure and welcome entry	> Fewer failures mean lower repair costs
> Glass barriers are a visual and physical deterrent	> Increases acceptance, avoiding guard tune out	> Door-like motion ensures quick user acceptance	> Limited frame and glass side panels open up lobby	> Minimizes need for extra guards

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Materials

> Gates and side panels: toughened glass (EN14179/ANSI 97.1)

> Post and base panels: 304 stainless steel with a satin polish; base top is Black Quartz Corian®

> Tops: 304 stainless steel with Black Quartz Corian ends and centers

> Beam windows: black polycarbonate

In addition to a choice between rounded or squared 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
> Fastlane Remote Control
> FastScan™ Tenant/Visitor System
> Multiple Reader Mounting Options

Please see Fastlane accessories data sheets for additional details.

Technical specifications

Pedestal dimensions (standard and ADA)
> Height: 38" (965 mm)
> Width: 7.9" (200 mm)
> Length: 44.4" (1,129 mm)

Barrier glass dimensions
> Height from floor: 38" (965 mm)
> Intermediate height: 47.2" (1,200 mm)
> Full height: 59" (1,500 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/closing time
> 2 second minimum

Speed of throughput
> 1 person / second nominal
> 1 person / second maximum (subject to response time of access control system)

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

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

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

Sounders
> Single tone sounder and multi tone sounder: (configurable for sound and alarm event)

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

Operating modes
> Card in/card out
> Card entry/free exit
> Free entry/card out
> Free entry/free exit
> No entry/no exit
> Auto entry/no exit

Power requirements
> Input: 100 V AC, 60 Hz or 240 V AC, 50 Hz
> Output: 24 V DC, 60 W, 1.25 A

Ethernet Connection
> RJ45 port

Inputs
> 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 (normally open momentary pushbutton)

Outputs
> Voltage free relay contacts rated 0.5A, 28 V DC for output to system

Output to system
> Entry (normally closed)
> Exit (normally closed)
> Alarm / barrier glass forced alarm (normally closed)
> Remote alarm (normally open)

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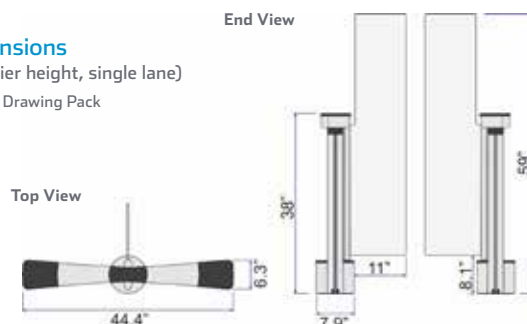> UL 60950-1, 2nd edition
> CSA C22.2 No. 60950-1-07, 2nd edition

Due to continuous improvements, specifications are subject to change without prior notice.

Details

Glassgate 300 dimensions
(standard, maximum barrier height, single lane)

Please see the Glassgate 300 Drawing Pack for additional details.

End View

Top View

59"

38"

6.3"

11"

8.1"

44.4"

7.9"

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

Manufactured by Integrated Design Limited. Fastlane is a registered trademark of IDL, 1995.