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 Security Technology

Utilizing cutting-edge optical detection technology for unparalleled accuracy and safety.

- **32-beam** high-resolution infrared matrix
- Detects tailgaters as close as **1/4" (5mm)** apart
- Can differentiate between body mass and smaller objects

User-Friendly Design

Engineered for quick acceptance and smooth operation in high-traffic areas.

- Glass barrier retracts into the pedestal.
- Automatic local alarm for unauthorized entry
- Fire alarm integration for emergency egress

Flexible Integration

Seamlessly connects with existing building systems for comprehensive security management.

- Compatible with Access Control, CCTV, and building management systems
- **Fastlane Connect™ ethernet communications** for remote control and diagnostics that enables Web-based turnstile control from any PC, tablet, smartphone, or from Fastlane's Multilane Controller.
- Optional visitor management input

Barrier turnstiles

Fastlane®
Glasswing

Product Features	Glasswing
Elliptical End Compact (in inches)	59.1 x 12.1 x 37.8
Square End Compact (in inches)	49.3 x 12.1 x 37.8
Elliptical End Standard (in inches)	59.1 x 14.6 x 37.8
Square End Standard (in inches)	49.3 x 14.6 x 37.8
Elliptical End Wide (in inches)	59.1 x 17.8 x 37.8
Square End Wide (in inches)	49.3 x 17.8 x 37.8
Available Lane Widths (in inches)	21.7 (compact) / 26.0 / 36.0 (ADA)
Barrier Heights (in inches)	36.5
Brake Strength	≥ 25N
Tailgate Detection	1/4"
Throughput	1 per second

Sustainability

- LEED Preferred Manufacturing
- Low Voltage/Low Power Consumption
- ISO 14001:2015 Accreditation

PINPOINT ACCURACY

UNSURPASSED THROUGHPUT

SUPERIOR DESIGN

FIELD PROVEN RELIABILITY

Smart detection reduces false alarms

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

Lower costs, higher ROI

- High processing speed reduces traffic build-up
- Door-like motion ensures quick user acceptance

Elegant designs accentuate lobby

- Glass barriers provide secure and welcome entry
- Barriers open flush with the pedestal, minimizing footprint

Maximized uptime boosts profitability

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

Durability and Reliability

Built to last, ensuring long-term performance and minimizing maintenance needs.

- In normal use, **10,000,000 cycles of operation**
- High-quality construction for lower whole-life costs
- Reduced failures and repair costs

Customizable Options

Adaptable to various architectural styles and accessibility requirements.

- **Finishes:** Wide range of metal colors, textures, and wood-like options.
- **Glass Barriers:** Custom graphics, logos, or decorative accents available.
- **Tops:** Available top options include glass, stone, metal, and more.

Certifications (power supply only)

- UL 60950-1
- CSA C22.2 No. 60950-1-07, second edition
- UL 2593 certified*

Accessories

- Fastlane Floor Protector
- Fastlane Infill System
- Multiple desktop controls - IP or Analog
- FastScan™ Tenant/Visitor System
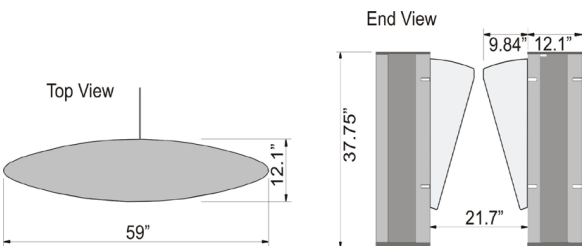- Multiple Reader Mounting Options
- FastCmd™

Please see Fastlane accessories data sheets for additional details.

DETAILS

Fastlane Glasswing dimensions
(standard, narrow, elliptical ends, single turnstile)
Please see the Glasswing Drawing Pack for additional details.

Top View — 59", 12.1"

End View — 9.84" 12.1", 37.75", 21.7"

FASTLANE GLASSWING TECHNICAL SPECIFICATIONS

Enclosure material	Stainless steel 304, 240 grit (satin no. 4), horizontal grain
Pedestal Weight	**Compact** 176lbs / 80kg **Standard** 242lbs / 110kg **Wide** 264lbs / 120kg
Barrier material	10mm Toughened Safety Glass EN14179 / ANSI 97.1
Barrier breakaway force	≥ 25N
Optional Locking System	Solid lock, no breakaway function
Environmental	
Temperature	5 to 50 degrees centigrade
Relative humidity	5 to 95% non-condensing
Energy consumption per lane	295kW hours per annum
Ingress protection	IP20 (Internal building applications only)
Turnstile Power Specifications	
Receive Gate / Transmit Gate	24Vdc 1.3A (max)
Dual Gate Interlane	2x 24Vdc 1.3A (max)
24Vdc Power Supply (Included)	
Enclosure	Black mild steel, wall mounted, 13" x 8" x 5.5"
Modules	Dual or quad 24Vdc 2.5A overcurrent fold back
Input voltage	100-240Vac, 60/50Hz, 5A fused spur connection
Outputs	24 V DC, 60 W, 1.25 A
Access Control Inputs	
Voltage-free contact; 1mA current sense	Entry & Exit request (NORMALLY OPEN closing for 1 second)
Screw terminal connector	Visitor entry (NORMALLY OPEN momentary closing contact)
Max conductor CSA 16AWG/ 1.5mm2	Visitor exit (NORMALLY OPEN momentary closing contact)
Fire panel integration input	Opto-coupled Input12-24Vdc @ 25mA nominal
Ethernet connection	RJ45 TCP/IP Port
Access Control Outputs	
Voltage-free contact; Contact Rating 28Vdc 0.5A	Entry & Exit monitor (NORMALLY CLOSED opening for 1 second)
Screw terminal connector	Alarm 1 (NORMALLY CLOSED opening for 1 second)
Max conductor CSA 16AWG/ 1.5mm2	Alarm 2 (NORMALLY CLOSED opening for 1 second)
System Outputs	
Turnstile status display	RGB LED diffused through 10mm high clear frosted acrylic
Alarm sounder output	75 – 100 dB (93dB at 1 meter)

- In normal use, 10,000,000 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.

* UL 2593 certification is available for turnstiles upon request