



**CYCLONE™**  
GLASS FULL HEIGHT  
TURNSTILE  
(3/4 ARM) - SINGLES & DOUBLES



**BoomGate**  
**Systems** (PTY) LTD  
Reg.No. 98/23505/07 Engineering Access Control







## MARKET LEADER

- High performance ultra quiet rotation.
- Used for reliability, ultra high traffic flow, virtually no maintenance.
- Exported worldwide.



### APPLICATIONS:

- To control high volumes at medium risk areas
- Most suitable: office receptions, colleges, health clubs and stadiums
- Suitable for interior with abnormal conditions



### CONFIGURATIONS:

- Single 4-Arm (90°)
- Single 3-Arm (120°)
- Double 4-Arm (90°)
- Double 3-Arm (120°)
- Stainless Steel 304
- Stainless Steel 316



### SECURITY LEVEL RATING: (LOW / MEDIUM / HIGH / ULTRA SECURE)

| TYPE  | CYCLONE® | LOW | MEDIUM | HIGH | ULTRA SECURE |
|-------|----------|-----|--------|------|--------------|
| 3-ARM | SINGLE   | X   | X      | X    |              |
| 3-ARM | DOUBLE   | X   | X      | X    |              |
| 4-ARM | SINGLE   | X   | X      | X    |              |
| 4-ARM | DOUBLE   | X   | X      | X    |              |



### DEFINITION:

- **Security rating** is based on when the turnstile is in the locked position.
- **Level of security** is based on entry through the turnstile without unlocking the rotor and the use of access control system.

## DID YOU KNOW?

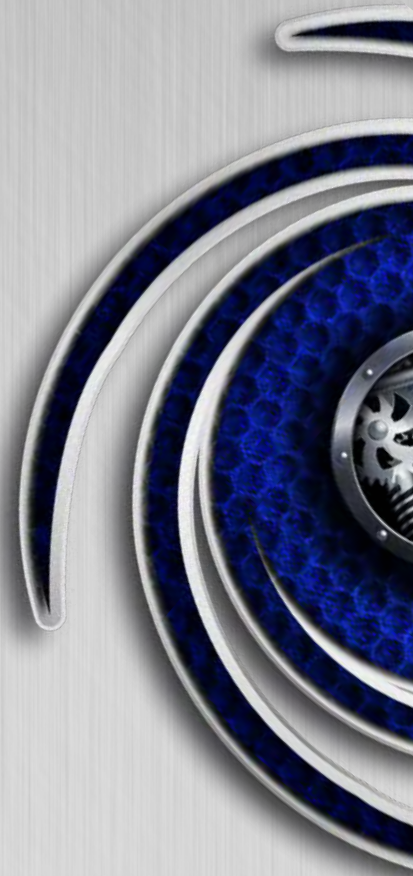
- Our turnstile comes with a 15 year mechanical warranty, the first in S.A. That is how confident we are in our product.
- You will not pay for any mechanical components in your 15 year warranty period.
- Our customers range from world renowned blue chip corporations to small single user.
- BGS turnstiles are supplied complete with control panel. The control panel is suitable for battery back up. Batteries are not included. Need 2 x 7.5 amp/hour. Battery back up option comes standard on all our models at no extra cost.
- The control panel also has a 12V output for LED indicators.
- All mechanical components are die cast, CNC machine and laser cut to the highest precision and quality.





## SPECIAL FEATURES TO THE CYCLONE™ GLASS HALF HEIGHT TURNSTILE

- Unique "keyless square shaft®" design.
- This new design in our shaft is what sets us apart.
- Designed for long-lasting reliability.
- Rotor returns to locked position after every rotation.
- Rotor can't reverse after 60° rotation to ensure entry.
- Modular 11 pin programmable logic with LED indicators.
- Control panel comes standard with 12V and 24V DC output.
- Solenoids are rated 100% duty cycle for trouble free operations.
- Case hardened locking mechanism.
- Zinc plated mechanism for corrosive protection.
- Maintenance free mechanism.
- Factory tested recorded serial numbers.
- Quiet locking and unlocking mechanism.
- Manufacturers warranty
  - 15 year mechanical warranty, first in S.A.
  - 1 year electrical warranty
- Mechanism comes with a dust cover for extra protection, noise reduction.
- No midway locking or trapping in an event of power failure.
- Hydraulic Damping Systems can be fitted with hydraulic damper to slow rotor down before locking.



### SYSTEM COMPATIBILITY:

Boomgate Systems turnstiles are compatible with any access control system, time and attendance system or ticketing system. Only requires a n/o voltage free input trigger set for half a second.





## TECHNICAL SPECIFICATION:

### ELECTRICAL REQUIREMENTS

|                                  |   |
|----------------------------------|---|
| <b>Power:</b>                    | 220V AC $\pm$ 5%  |
| <b>Frequency:</b>                | 50Hz  |
| <b>Power Consumption:</b>        | 50W for single turnstile and 100W for double turnstile  |
| <b>Logic Voltage:</b>            | 24V DC, 12V available on request  |
| <b>Solenoids Voltage:</b>        | 24V DC, 12V available on request  |
| <b>Turnstile Dimensions:</b>     | See drawings  |
| <b>Rotor arm configurations:</b> | 3-arm = 120°<br>4-arm = 90°   |
| <b>Rotor arms:</b>               | 10mm toughened glass  |
| <b>Weight:</b>                   | Single 3 wing 180kg<br>Double 3 wing 275kg<br>Single 4 wing 180kg<br>Double 4 wing 275kg                              |
| <b>Package Size:</b>             | Single 3 or 4 wing<br>Double 3 or 4 wing  |
| <b>Export:</b>                   | Turnstile arms can be disassembled and packed into purpose made pallets for export. Materials are treated for export. |







## AVAILABLE OPTIONS:

**Single/Dual Direction Rotation:** Electronic control in one direction and mechanical in opposite direction.  
Electronically controlled in both directions. (Std option).  
Mechanical control in both directions by means of key lock.

**Power Locking Options:**  
Fail secure lock on power failure.  
Fail safe unlock on power failure.

**Fire Evacuation Option:**  
Rotor will free turn when input is triggered.  
(It is not recommended to use a turnstile for emergency evacuation).

**Battery Back Up:**  
Battery back up comes standard with all our turnstiles.  
Batteries not included. Requires 2 x 7aH batteries to be connected in series. A third battery can be added for 12V back up.

± 1000 transactions on fail secure mode.

± 60 minutes on fail safe mode.

**Indication LED:**  
The turnstile can be fitted with red/green walking man to indicate go or stop.

**Accessories available on request:**  
Push buttons, coin acceptors for paid access control.

**Material options:**  
Frame 304 Brushed S/S or 316 brushed S/S.

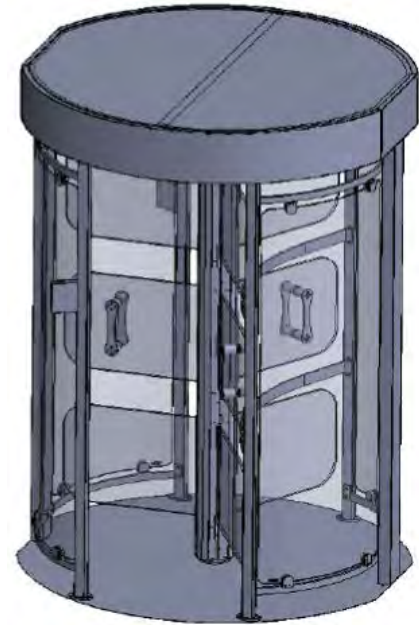
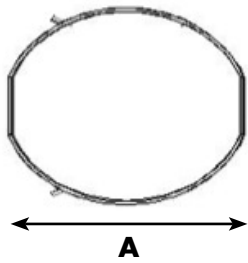
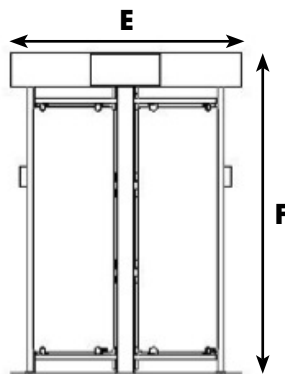
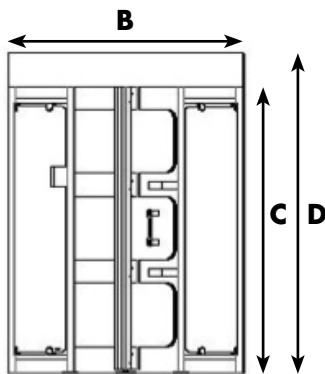




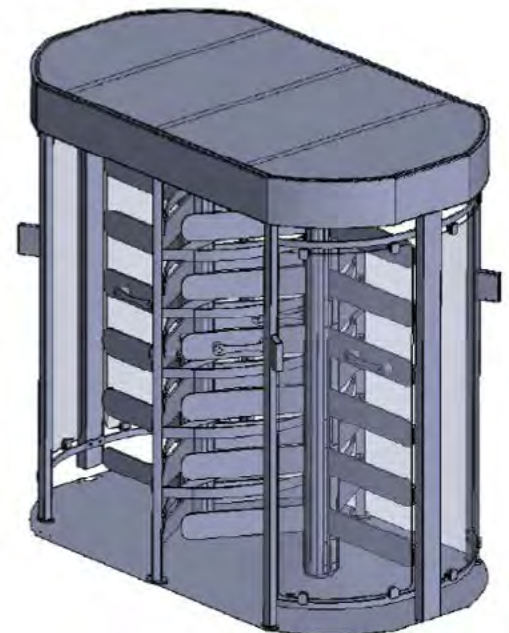
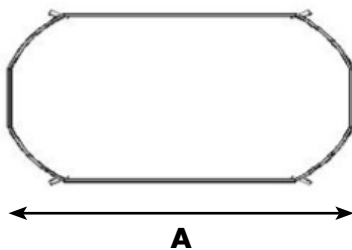
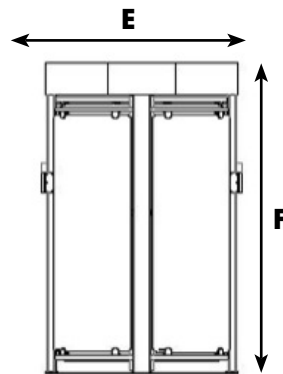
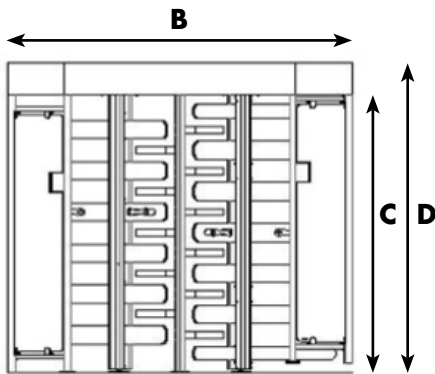
# CYCLONE™ GLASS FULL HEIGHT TURNSTILE



## CYCLONE™ SINGLE GLASS FULL HEIGHT TURNSTILE



## CYCLONE™ DOUBLE GLASS FULL HEIGHT TURNSTILE



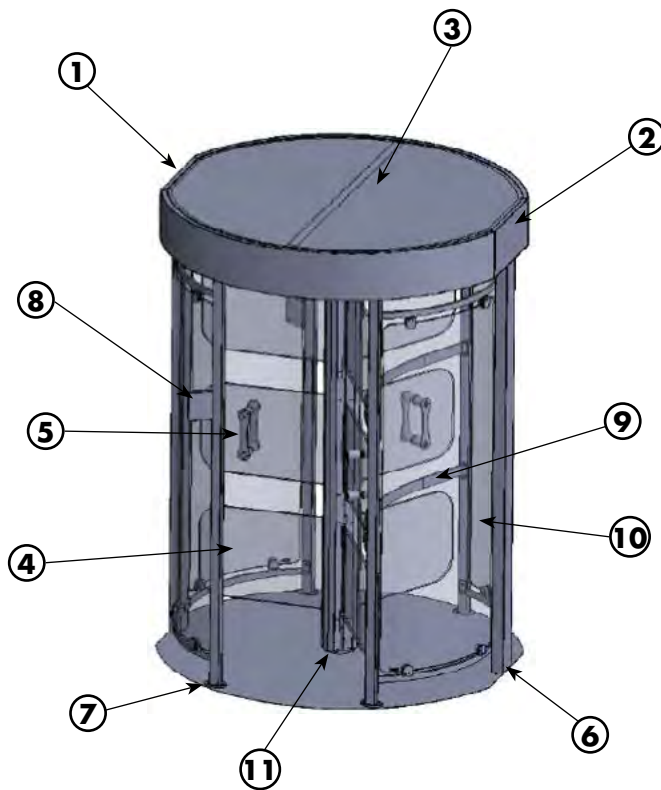
|   |                            |         |   |                            |         |
|---|----------------------------|---------|---|----------------------------|---------|
| A | Recommended Opening Width  | 1 430mm | A | Recommended Opening Width  | 2 180mm |
| B | Turnstile Width            | 1 405mm | B | Turnstile Width            | 2 155mm |
| C | Headroom                   | 1 990mm | C | Headroom                   | 1 990mm |
| D | Turnstile Height           | 2 220mm | D | Turnstile Height           | 2 220mm |
| E | Turnstile Depth            | 1 366mm | E | Turnstile Depth            | 1 205mm |
| F | Recommended Opening Height | 2 250mm | F | Recommended Opening Height | 2 250mm |

Due to continuous product development, products and designs are subject to change without notice.





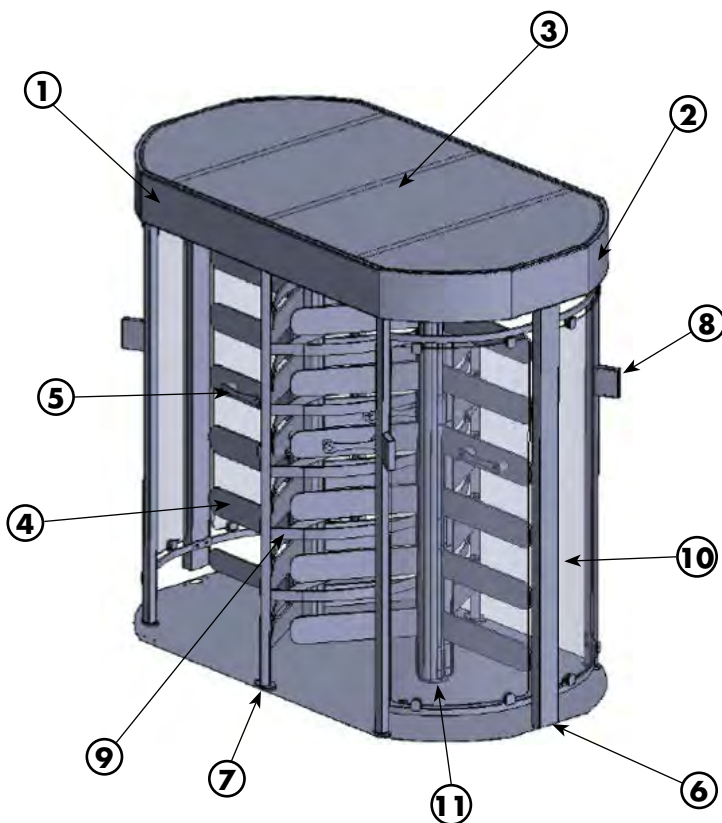
## SINGLE 3 LEVER GLASS TURNSTILE - TECHNICAL QUALITY SPECIFICATIONS



- 1 Lockable top channel cover c/w 2 x locks
- 2 Top channel
- 3 New design mechanism c/w
  - a. 15 year warranty
  - b. Unique "keyless square shaft"®
  - c. Suspended rotor
  - d. Dust cover
- 4 10mm Toughened glass wings
- 5 S/S 304 Push handles
- 6 Cable entry
- 7 Floor mounting lugs x 8
- 8 Reader Box
- 9 Restriction Bar
- 10 Glass Side Screen
- 11 Rotor Centre Guide



## DOUBLE 3 LEVER GLASS TURNSTILE - TECHNICAL QUALITY SPECIFICATIONS



- 1 Lockable top channel cover c/w 2 x locks
- 2 Top channel
- 3 New design mechanism c/w
  - a. 15 year warranty
  - b. Unique "keyless square shaft"®
  - c. Suspended rotor
  - d. Dust cover
- 4 10mm Toughened glass wings
- 5 S/S 304 Push handles
- 6 Cable entry
- 7 Floor mounting lugs x 12
- 8 Reader Box
- 9 Restriction Bar
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- 11 Rotor Centre Guide





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