

# TURNSTAR

RELIABLE ★ DURABLE ★ GUARANTEED

## TITAN HALF HEIGHT INDUSTRIAL TURNSTILE



- The TITAN Half Height is a medium security, aesthetic choice for your entrance
- Designed for high speed ultra quiet operation
- Exported worldwide

### APPLICATIONS

- Suited for applications requiring high volume access and medium levels of security
- Used extensively in applications such as mines, factories, warehouses, universities and stadiums

### DESIGNED FOR

- Interior and exterior installations
- Severe operating conditions

### AVAILABLE CONFIGURATIONS

- 3 arm (120°) and 4 arm (90°)
- Single and double

### SECURITY RATING



ISO 9001:2015

# UNIQUE FEATURES OF THE TITAN TURNSTILE RANGE

## ROTALOK® ROTATION LOCKING MECHANISM

- CE certified, fitted to all TITAN Half Height turnstiles
- Ultra heavy-duty electromechanical rotation locking mechanism
- Bi-directional operation
- Designed by professional engineers
- Tried, tested and perfected over a period of over 20 years

### RELIABLE TECHNOLOGY

- Suspended rotor technology - eliminating stress on the base bearing
- Self-centering rotation system - rotor returns to starting position after every rotation
- Shock absorbing rubber coupling system
- Anti-Trap® safety system - no mid-rotation locking or trapping in the event of a power failure
- Programmable PLC logic with user diagnostic features
- Mechanical key override - clockwise and anti-clockwise directions (fail-secure)

### DURABLE FEATURES

- Zinc plated for corrosion resistance
- Ultra quiet, buffered solenoids and pawls
- Solenoids rated for 100% duty cycle
- Case hardened locking disk and pawls - eliminating any wear
- Factory settings need no further adjustment
- No routine maintenance whatsoever, ever

### GUARANTEED MANUFACTURED TO LAST

- 10 year mechanical guarantee
- 1 year electrical guarantee

## ROTARUN® PERPETUAL BASE BEARING

- Fitted to all TITAN Half Height turnstiles

### RELIABLE TECHNOLOGY

- Combination of stainless steel and self-lubricating engineering plastics

### DURABLE FEATURES

- Designed for the harshest of conditions
- 100% corrosion resistant
- Unaffected by dust, dirt or moisture
- Self-lubricating

### GUARANTEED MANUFACTURED TO LAST

- Zero maintenance
- 10 year guarantee

# TECHNICAL SPECIFICATIONS

POWER	220 Volt AC (110 Volt AC on request)	
FREQUENCY	50Hz / 60Hz	
POWER CONSUMPTION	50W (single turnstile)   100W (double turnstile)	
SOLENOID VOLTAGE	24 Volt DC (12 Volt DC on request)	
LOGIC VOLTAGE	24 Volt DC	
DIMENSIONS	Single turnstile:	• 1 335mm wide x 1 400mm long x 1 195mm high
	Double turnstile:	• 1 950mm wide x 1 400mm long x 1 195mm high
ROTOR DIAMETER	1 200mm	
ROTOR ARM CONFIGURATION	3 arm (120°)	4 arm (90°)
ROTOR ARMS	50mm diameter tube arms	
WEIGHT	Single turnstile (4 arm)	130kg
	Double turnstile (4 arm)	210kg
DESIGN	Modular bolt-together design for ease of transport and installation. Components can pass through a standard door. Can be packed in broken-down form either onto a pallet or into a crate for transport	
SYSTEMS INTEGRATION	<ul style="list-style-type: none"> <li>• Integrates with all access control and time &amp; attendance systems</li> <li>• Unlocking for entry / exit rotation controlled through normally open dry contact</li> <li>• Transaction / rotation complete output</li> <li>• Integral wireways with draw wires in place - no exposed wires</li> </ul>	

# MANUFACTURING OPTIONS

ROTATION OPTIONS	<ul style="list-style-type: none"> <li>• Electrically controlled bi-directional rotation (factory standard)</li> <li>• Mechanically controlled uni-directional rotation by means of key override</li> <li>• Free rotation</li> </ul>
LOCKING OPTIONS	<ul style="list-style-type: none"> <li>• Fail-secure auto-lock on power failure (factory standard)</li> <li>• Fail-safe auto-unlock on power failure (Geran standard)</li> <li>• Each direction of rotation configurable for either fail-secure or fail-safe operation</li> </ul>
FIRE ALARM OPTIONS	Free rotation when triggered indefinitely (logic programmed for direction or rotation on request)
POWER OPTIONS	Battery backup with two 12 volt 7Ah batteries connected in series <ul style="list-style-type: none"> <li>• Up to 1 000 transactions in fail-safe mode</li> <li>• Up to 60 minutes operation in fail-safe mode</li> </ul>
ACCESSORY OPTIONS	<ul style="list-style-type: none"> <li>• Turnstile screen (in matching finish)</li> <li>• Card / proximity reader mounting bracket</li> <li>• Biometric / fingerprint reader mounting brackets</li> <li>• Single / double pushbutton in plastic housing</li> <li>• LED red cross and green arrow indicator light</li> <li>• Multiple coin acceptor for pay-per-entry systems</li> <li>• LCD transaction counter with reset key switch</li> <li>• Random search device</li> </ul>
FINISH OPTIONS	<ul style="list-style-type: none"> <li>• Mild steel with UV resistant polyester exterior powder coat finish (charcoal blue hammertone) ■</li> <li>• Mild steel with hot dip galvanised finish ▲</li> <li>• Mild steel hot dip galvanised with UV resistant polyester exterior powder coat finish (charcoal blue hammertone) ■ ▲</li> <li>• 304 grade brushed stainless steel</li> <li>• 316 grade brushed stainless steel ▲</li> </ul> <p>▲ suitable for corrosive environments (details available on request)            ■ other colours available on request</p>

# TITAN RANGE

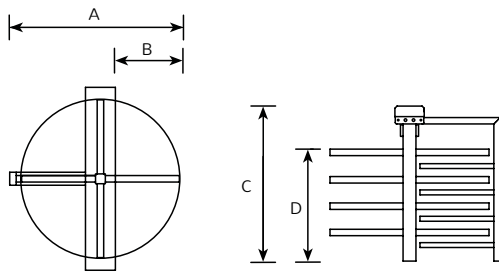
## TITAN SINGLE RANGE

A	Turnstile width	1 335mm
B	Walkthrough width	525mm
C	Overall height	1 195mm
D	Arm height (1)	860mm
E	Arm height (2)	N/A

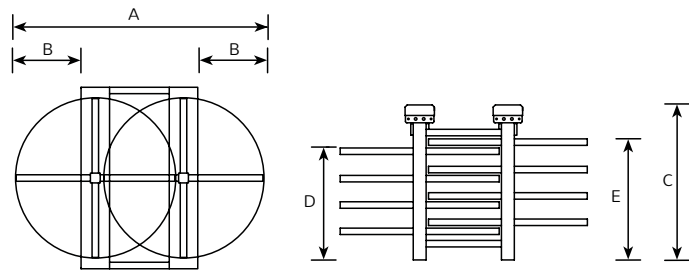
## TITAN DOUBLE RANGE

A	Turnstile width	1 950mm
B	Walkthrough width	525mm
C	Overall height	1 195mm
D	Arm height (1)	860mm
E	Arm height (2)	935mm

## TITAN 3 SINGLE



## TITAN 3 DOUBLE



Note: The turnstile screen shown below is an optional extra.  
 Due to our policy of continuous improvement, products are subject to change without notice.  
 Custom designs available on request

# STAR QUALITIES



- 1 Rotalok® rotation locking mechanism and electronic control panel - incorporates:
  - Anti-Trap® safety system
  - Suspended Rotor technology
- 2 Lockable top cover
- 3 Mechanical key override
- 4 Shock absorbing rubber coupling
- 5 50mm diameter tube arms spaced 120mm apart
- 6 Access control reader mounting position
- 7 Rotarun® perpetual base bearing
- 8 Wiring bottom entry point
- 9 Optional turnstile screen

© Turnstar Systems

**TURNSTAR**  
 RELIABLE ★ DURABLE ★ GUARANTEED

info@turnstar.co.za | www.turnstar.co.za

Turnstar Systems (Pty) Ltd | Reg No: 2012/100536/07 | Established in 1990

**JHB FACTORY**  
 18 6<sup>th</sup> Street, Wynberg,  
 Sandton, 2090  
 T: +27 (0)11 786 1633  
 F: +27 (0)11 440 5839

**CAPE BRANCH**  
 Unit 9 Elect Park,  
 13 Teejay Road, Brackenfell,  
 Cape Town, 7560  
 T: +27 (0)21 981 3043

**KZN BRANCH**  
 Unit 5 - 7 Amatuli Industrial Park,  
 5 - 7 Eagle Road, Shaka's Head,  
 Umhlali, Kwazulu-Natal, 4420  
 T: +27 (0)32 947 0391

**POSTAL ADDRESS**  
 PO Box 41,  
 Highlands North,  
 2037