TURNSTAR

RELIABLE ★ DURABLE ★ GUARANTEED

TITAN 3/4 HEIGHT

INDUSTRIAL TURNSTILE



– 10 YEAR – GUARANTEE
INDUSTRY LEADER

- The TITAN Three Quarter 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

SYSTEM CERTIFICATION ISO 9001 SGS

ISO 9001:2015

UNIQUE FEATURES OF THE TITAN TURNSTILE RANGE

ROTALOK® ROTATION LOCKING MECHANISM

- CE certified, fitted to all TITAN Three Quarter 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 Three Quarter 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 570mm high
	Double turnstile:	• 1 950mm wide x 1 400mm long x 1 570mm 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)	145kg
	Double turnstile (4 arm)	230kg
DESIGN	Modular bolt-together design for ease of transport and installation. Components can pas through a standard door. Can be packed in broken-down form either onto a pallet or into a crate for transport	
SYSTEMS INTEGRATION	• Integrates with all access control and time & attendance systems • Unlocking for entry / exit rotation controlled through normally open dry contact • Transaction / rotation complete output • Integral wireways with draw wires in place - no exposed wires	

MANUFACTURING OPTIONS

ROTATION OPTIONS	• Electrically controlled bi-directional rotation (factory standard) • Mechanically controlled uni-directional rotation by means of key override • Free rotation
LOCKING OPTIONS	• Fail-secure auto-lock on power failure (factory standard) • Fail-safe auto-unlock on power failure (Geran standard) • Each direction of rotation configurable for either fail-secure or fail-safe operation
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 • Up to 1 000 transactions in fail-safe mode • Up to 60 minutes operation in fail-safe mode
ACCESSORY OPTIONS	• Turnstile screen (in matching finish) • Card / proximity reader mounting bracket • Biometric / fingerprint reader mounting brackets • Single / double pushbutton in plastic housing • LED red cross and green arrow indicator light • Multiple coin acceptor for pay-per-entry systems • LCD transaction counter with reset key switch • Random search device
FINISH OPTIONS	• Mild steel with UV resistant polyester exterior powder coat finish (charcoal blue hammertone) ■ • Mild steel with hot dip galvanised finish ▲ • Mild steel hot dip galvanised with UV resistant polyester exterior powder coat finish (charcoal blue hammertone) ■ ▲ • 304 grade brushed stainless steel • 316 grade brushed stainless steel ▲ ▲ suitable for corrosive environments (details available on request) ■ other colours available on request

TITAN RANGE

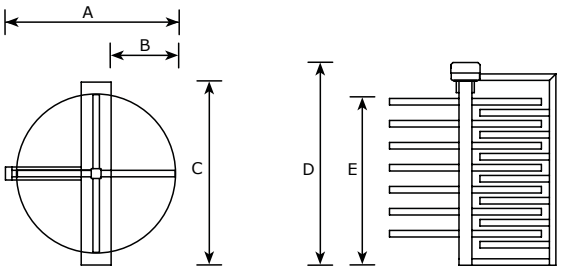
TITAN SINGLE RANGE

A	Turnstile width	1 335mm
B	Walkthrough width	525mm
C	Turnstile length	1 400mm
D	Overall height	1 570mm
E	Arm height (1)	1 290mm
F	Arm height (2)	N/A

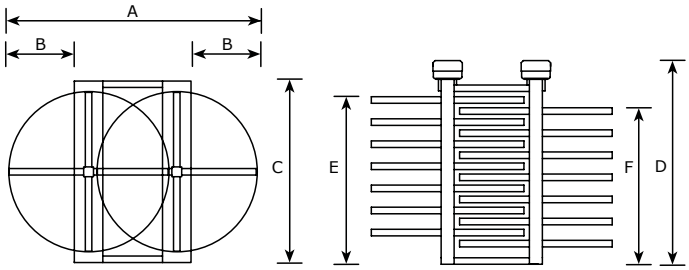
TITAN DOUBLE RANGE

A	Turnstile width	1 950mm
B	Walkthrough width	525mm
C	Turnstile length	1 400mm
D	Overall height	1 570mm
E	Arm height (1)	1 290mm
F	Arm height (2)	1 205mm

TITAN SINGLE



TITAN 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 6th 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

TurnstarSA TurnstarSystems

ISO 9001:2015