



Product Data Sheet

TITAN TURNSTILE

Full Height turnstile for High Security
PS-PBTS-FH Turnstile

The TITAN has been aesthetically designed as a full height high security turnstile for any perimeter entrance

With a 10 year warranty it is suited for application requiring high volume access and high levels of security in mining, factories, warehouses, schools, tertiary education, construction sites and stadiums.

Suited with options for both internal and external application it is provided with a 3 arm (120 degrees) solution in both a single and double configuration

ROTALOK® ROTATION LOCKING MECHANISM

- CE conformity
- 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 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

TECHNICAL SPECIFICATIONS

POWER	220 Volt AC (110 Volt AC on request)
FREQUENCY	50Hz / 60Hz
POWER CONSUMPTION (STANDBY)	0.25W (single turnstile) 0.5W (double turnstile) - fail-secure mode
POWER CONSUMPTION (STANDBY)	50W (single turnstile) 100W (double turnstile) - fail-safe mode
SOLENOID VOLTAGE	24 Volt DC (12 Volt DC on request)
LOGIC VOLTAGE	24 Volt DC
DIMENSIONS	Single turnstile: <ul style="list-style-type: none"> • 1 400mm wide x 2 125mm high • 1 430mm wide x 2 250mm high – recommended minimum opening size Double turnstile: <ul style="list-style-type: none"> • 2 150mm wide x 2 125mm high • 2 180mm wide x 2 250mm high – recommended minimum opening size
ROTOR DIAMETER	1 200mm
ROTOR ARM CONFIGURATION	3 arm (120°) 4 arm (90°)
ROTOR ARMS	50mm diameter tube arms spaced 120mm apart
WEIGHT	Single turnstile (4 arm): 160kg Double turnstile (4 arm): 255kg
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. Flat pack version allows for greater space saving during transport.
SYSTEMS INTEGRATION	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Electrically controlled bi-directional rotation (factory standard) • Mechanically controlled uni-directional rotation by means of key override • Free rotation
LOCKING OPTIONS	<ul style="list-style-type: none"> • Fail-secure auto-lock on power failure (factory standard) • Fail-safe auto-unlock on power failure • Each direction of rotation configurable for either fail-secure or fail-safe operation
FIRE ALARM OPTIONS	Free rotation when triggered indefinitely
POWER OPTIONS	<ul style="list-style-type: none"> • Battery backup with two 12 volt 7Ah batteries connected in series <ul style="list-style-type: none"> • Up to 5 500 transactions in fail-secure mode • Up to 270 minutes operation in fail-safe mode • Solar panel with charge controller and battery system
FLAT ROOF CANOPY OPTION	<ul style="list-style-type: none"> • Provides protection from the elements • Anti-climb protection • Low energy light on underside of canopy
SPECIAL PHYSICAL DESIGN OPTIONS	<ul style="list-style-type: none"> • Restrictor tubes for increased security (4 arm turnstile only) • 180° rotation setting for extra walkthrough space (4 arm turnstile only) • Special narrow single turnstile design for 1 200mm wide opening • Special split cover for low ceilings • Special internal mechanism dust cover for dirty environments • Heavy-duty base for portability (with forklift channels)
ACCESSORY OPTIONS	<ul style="list-style-type: none"> • Card / proximity reader mounting bracket • Biometric / fingerprint reader mounting brackets • Single / double pushbutton in plastic housing • LCD transaction counter with reset key switch • Random search device
FINISH OPTIONS	<ul style="list-style-type: none"> • Mild steel with UV resistant polyester exterior powder coat finish (charcoal blue hammertone) ■ • Mild steel with hot dip galvanised finish ▲ • 304 grade brushed stainless steel • 316 grade brushed stainless steel ▲ <p>▲ suitable for highly corrosive environments (details available on request) ■ other colours available on request</p>

STAR QUALITIES



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

THE TITAN RANGE



TITAN 3 SINGLE



TITAN 3 DOUBLE



TITAN 4 SINGLE



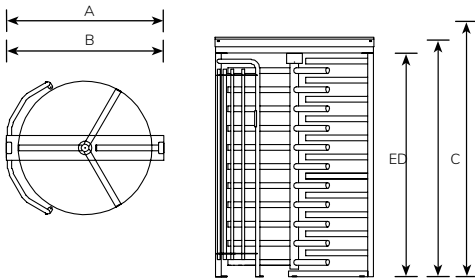
TITAN SINGLE RANGET

A	Recommended opening width1	430mm
B	Turnstile width1	400mm
C	Recommended opening height	2250mm
D	Turnstile height	2125mm
E	Headroom	1986mm

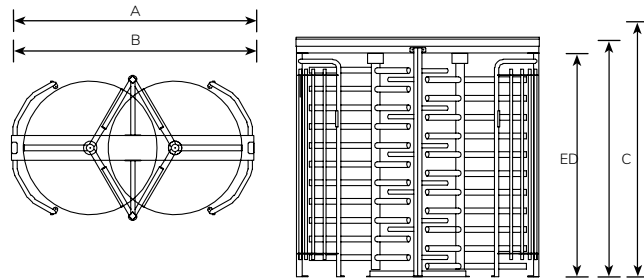
TITAN DOUBLE RANGE

A	Recommended opening width2	180mm
B	Turnstile width2	150mm
C	Recommended opening height	2250mm
D	Turnstile height	2125mm
E	Headroom	1986mm

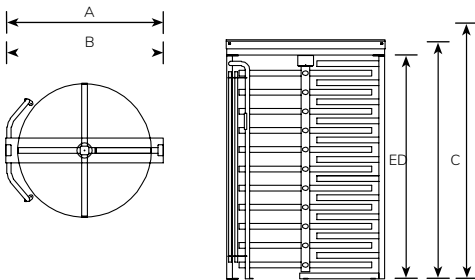
TITAN 3 SINGLE



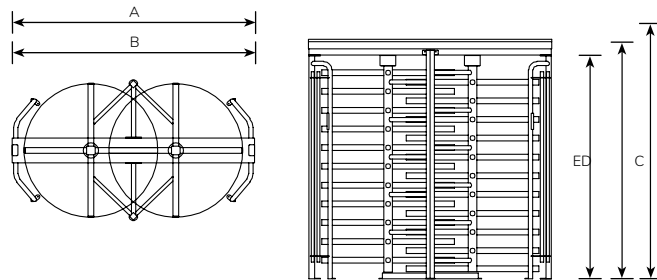
TITAN 3 DOUBLE



TITAN 4 SINGLE



TITAN 4 DOUBLE



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Custom designs available on request

