



# TURNSTILES.us

SECURING THE U.S. and the GLOBE since 1989

## TRIDENT

### WAIST HEIGHT SINGLE AND DOUBLE TURNSTILE

**-10 YEAR -  
GUARANTEE**

INDUSTRY LEADER

- With a wide range of applications, the TRIDENT is a top-selling waist height turnstile
- Suitable for both prestige and industrial installations
- 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 office reception areas, health clubs, colleges, libraries, leisure parks and stadiums

#### DESIGNED FOR

- Interior and exterior installations
- Severe operating conditions

#### AVAILABLE CONFIGURATIONS

- TRIDENT Single
- TRIDENT Double

#### SECURITY RATING

- 3/5



ISO 9001:2015

## ROTALOK® ROTATION LOCKING MECHANISM

- Fitted to all TRIDENT 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

- Self-centering rotation system - rotor returns to starting position after every rotation
- Anti-Trap® safety system - no mid-rotation locking or trapping in the event of a power failure
- Extra secure 60° anti-reverse system
- 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

## ROTASLO® HYDRAULIC DAMPING SYSTEM

- Fitted to all TRIDENT turnstiles

### RELIABLE TECHNOLOGY

- Consistently smooth rotation
- Ultra quiet operation

### DURABLE FEATURES

- Low mechanical stress

### GUARANTEED MANUFACTURED TO LAST

- 1 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	See overleaf
ROTOR ARMS	38mm / 1.5in diameter stainless steel fixed tube arms
WEIGHT	Single   68kg / 150lbs Double   114kg / 252lbs
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 and 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>

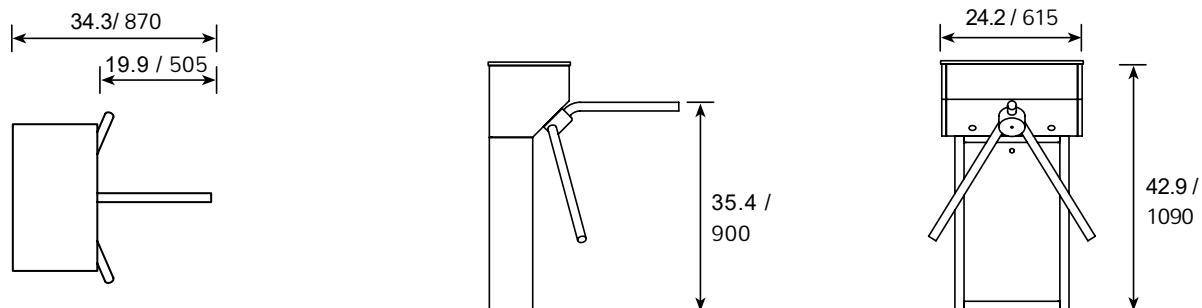
## MANUFACTURING OPTIONS

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</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	<p>Battery backup with two 12 volt 7Ah batteries connected in series</p> <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>600mm stainless steel and glass turnstile screen</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-for-entry systems</li> <li>LCD transaction counter with reset key switch</li> <li>Random search device</li> </ul>
CABINET FINISH OPTIONS	<ul style="list-style-type: none"> <li>Mild steel 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>
TOP COVER OPTIONS	<ul style="list-style-type: none"> <li>Rustenburg granite top cover</li> <li>Stainless steel top cover</li> </ul>

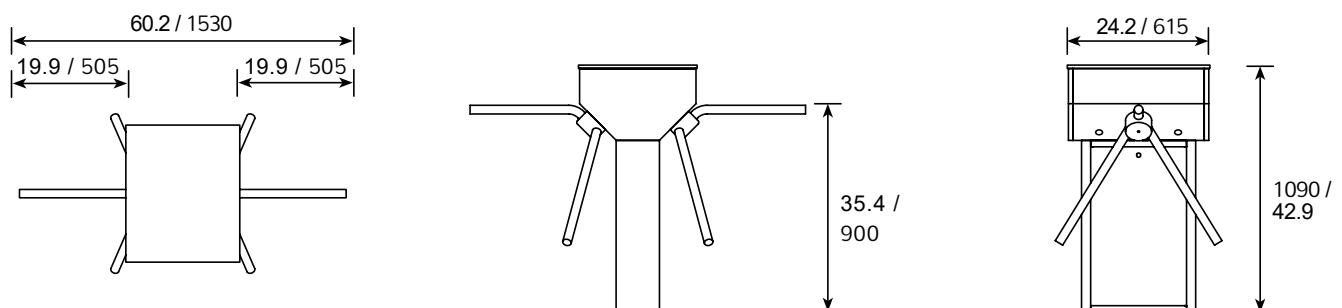


## TRIDENT WAIST HEIGHT TURNSTILE RANGE

### TRIDENT SINGLE (in/mm)



### TRIDENT DOUBLE (in/mm)



## STAR QUALITIES



- 1 Rotalok® rotation locking mechanism and electronic control panel
  - Incorporates:
    - Rotaslo® hydraulic damping
    - Mechanical key override (for free rotation)
- 2 Lockable Rustenburg granite or stainless steel top cover
- 3 Lockable side door
- 4 38mm diameter stainless steel fixed tube arms
- 5 Access control reader mounting position
- 6 Wiring bottom entry point
- 7 Floor bolting positions