PORTABLE FULL HEIGHT TRIUMPH INDUSTRIAL TURNSTILE

- Perfect solution for any event or construction site
- Forklift channels for ease of movement
- Suitable for applications high volume access and medium levels of security
- Compatible with all access control and ticketing systems

DESIGNED FOR:
- Interior and exterior installations
- Severe operating conditions

AVAILABLE CONFIGURATIONS
- 3 arm (120°), 4 arm (90°) and 5 arm (72°)
- Single and Double

FEATURES
- Designed by professional engineers
- Ultra heavy-duty electromechanical rotation locking mechanism
- Bi-directional operation
- 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 anticlockwise directions
- Ultra quiet, buffered solenoids and pawls
- Designed for the harshest of conditions
- Zinc plated - 100% corrosion resistant; unaffected by dust, dirt or moisture
## 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:**
  - 56.3" (1400mm) wide x 83.66" (2125mm) high
  - 55.11" (1430mm) wide x 88.58" (2250mm) high - recommended min.
- **Double turnstile:**
  - 84.64" (2150mm) wide x 88.58" (2125mm) high
  - 85.82" (2180mm) wide x 88.58" (2250mm) high - recommended min.

### Rotor Diameter
- 47.24" (1200mm)

### Rotor Arm Configuration
- 3 arm (120°)
- 4 arm (90°)
- 5 arm (72°) – ultra secure

### Rotor Arms
- 1.26" (32mm) diameter U-tube arms spaced 6.5" (165mm) apart

### Weight
- **Single turnstile (4 arm):** 352 lbs. 12 oz. (160kg) WITHOUT THE BASE
- **Double turnstile (4 arm):** 462 lb 3 oz. (255kg) WITHOUT THE BASE

### 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
- 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
- Each direction of rotation configurable for either fail-secure or fail-safe operation

#### Fire Alarm Options
- Free rotation when triggered indefinitely (logic programmed for either direction of rotation on request)

#### Power Options
- Battery backup with two 12 volt 7Ah batteries connected in series
- Up to 1000 transactions in fail-secure mode
- Up to 60 minutes operation in fail-safe mode

#### Flat Roof Canopy Option
- Provides protection from the elements
- Anti-climb protection
- Low energy light on underside of canopy

#### Special Physical Design Options
- Restrictor tubes for increased security (4 arm turnstile only)
- 180° rotation setting for extra walk through space (4 arm turnstile only)
- Special narrow single turnstile design of 47.24" (1200mm) wide
- Special split cover for low ceilings
- Special internal mechanism dust cover for dirty environments
- Heavy-duty base for portability (with forklift channels)

#### Accessory Options
- Card / Proximity reader mounting brackets
- Biometric / Fingerprint reader mounting brackets
- Single / Double pushbutton in plastic housing
- LED red cross & green arrow indicator light
- Multiple coin acceptor for pay-for-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

---

TURNSTILES 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. 1.26” (32mm) diameter U-tube arms spaced 6.5” (165mm) apart
6. Access control reader mounting position
7. LED indicator light mounting position
8. Rotarun® perpetual base bearing
9. Wiring side entry point
10. Wiring bottom entry point
11. Floor bolting positions – 7 Off
12. Wall bolting positions – 2 Off

MODELS

TRIUMPH 3 SINGLE
TRIUMPH 4 SINGLE
TRIUMPH 5 SINGLE
TRIUMPH 4 DOUBLE
TRIUMPH PORTABLE RANGE

www.TURNSTILES.us / www.entrappass.com / 8641 S. Warhawk Road, Conifer, CO 80433 / 303-670-1099
## PORTABLE SERIES TURNSTILE DIMENSIONS: Inches (mm)

<table>
<thead>
<tr>
<th></th>
<th>TRIUMPH SINGLE RANGE</th>
<th>TRIUMPH DOUBLE RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Recommended opening width</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td><strong>56.3&quot; (1430)</strong></td>
<td><strong>85.82&quot; (2180)</strong></td>
</tr>
<tr>
<td>B</td>
<td>Turnstile width</td>
<td>B</td>
</tr>
<tr>
<td></td>
<td><strong>55.1&quot; (1400)</strong></td>
<td><strong>84.6&quot; (2150)</strong></td>
</tr>
<tr>
<td>C</td>
<td>Recommended opening height</td>
<td>C</td>
</tr>
<tr>
<td></td>
<td><strong>88.58&quot; (2250)</strong></td>
<td><strong>88.5&quot; (2250)</strong></td>
</tr>
<tr>
<td>D</td>
<td>Turnstile height</td>
<td>D</td>
</tr>
<tr>
<td></td>
<td><strong>83.66&quot; (2125)</strong></td>
<td><strong>88.58&quot; (2125)</strong></td>
</tr>
<tr>
<td>E</td>
<td>Headroom</td>
<td>E</td>
</tr>
<tr>
<td></td>
<td><strong>78.18&quot; (1986)</strong></td>
<td><strong>78.18&quot; (1986)</strong></td>
</tr>
</tbody>
</table>

### TRIUMPH 3 SINGLE

![Plan](image1.png) ![Elevation](image2.png)

### TRIUMPH 3 DOUBLE

![Plan](image3.png) ![Elevation](image4.png)

### TRIUMPH 4 SINGLE

![Plan](image5.png) ![Elevation](image6.png)

### TRIUMPH 4 DOUBLE

![Plan](image7.png) ![Elevation](image8.png)

### TRIUMPH 5 SINGLE

![Plan](image9.png) ![Elevation](image10.png)

### TRIUMPH 5 DOUBLE

![Plan](image11.png) ![Elevation](image12.png)

---

Due to our policy of continuous improvement, products are subject to change without notice. Custom designs available on request.

---

www.TURNSTILES.us / www.entrpass.com / 8641 S. Warhawk Road, Conifer, CO 80433 / 303-670-1099