

# Model 150BR/00 Tripod Turnstile

## 1.0 - GENERAL

### 1.01 Submittal

Shop Drawings: Drawings showing all turnstile exterior details, overall dimensions for installation, and installation details including trim and accessories.

### 1.02 Product Handling

Turnstiles and Portals shall be shipped fully assembled and pelletized with double wall corrugated card board sleeves and lids for protection.

## 2.0 - PRODUCTS

### 2.01 Materials and standard of quality:

#### A. Furnish Model 150BR/00 tripod-turnstiles as manufactured by:

Perey Turnstiles, Inc  
308 Bishop Avenue  
Bridgeport, CT 06610 USA  
[www.TURNSTILE.com](http://www.TURNSTILE.com)

#### B. Turnstiles

##### 1. Cabinet Cover

ANSI #304 stainless steel with #4 brushed finish. Finish coated with marine-grade powder coat incorporating brass coloring. 0.074" wall thickness, 5/32" radii corners, 2.5" tall, 40" long and 8" wide with both ends fully radius'd.

##### 2. Turnstile Cabinet

ANSI 304 stainless steel with a #4 brushed finish coated with marine-grade powder coat incorporating brass coloring. Each wall .078" thick. Electronics housing between turnstile legs with housing access door having two locks. Full height standing rib reinforced design, double wall (cavity) construction. 40" long and 8" wide with both ends fully radius'd. 3/16" thick stainless steel base plate. No exposed welds. Electronics compartment with housing between turnstile legs with 4" by 20" clear opening and two locks.

##### 3. Arms

ANSI 304 stainless steel with a #4 brushed finish coated with marine-grade powder coat incorporating brass coloring. 0.049" thick walls. Arms press fit into solid steel hub and held to main shaft with drill rod taper pin.

##### 4. Mechanism

Mechanical Mechanism: 1" x 6.5" machined cast iron ratchet. Use aided by heavy springs of 0.175" dia. spring steel. Motion stabilized by large rotary shock absorber and 2" thick cast iron two-lobe cam. Self Centered by 2" thick steel compression shoe.

Unlocking Controls: Field upgradeable and interchangeable. One continuous-duty rated extremely heavy duty solenoid with Plunger Damper to extend mechanical life 10X. RF/Noise Suppression circuitry compatible with all know switching systems. Solenoid operates for 65 milliseconds per

passage allowing for low cost battery back-up powering of turnstile. Switch De-bounce/Anti-arc circuitry to extend switch life. All unlocking elements are mechanical. No time relays or transformers

#### 5. Upgradeability

Mechanism shall be field upgradeable from mechanical counting to electronic counting both local and remote, without cutting, filing or other structural modifications. Mechanism shall be field upgradeable from mechanical unlocking control to electronic unlocking control, both single passage and escrow control, without cutting, filing or other structural modifications.

#### C. Finish

All exposed external surfaces shall have a #4 brushed finish. There will be no exposed fasteners, sharp edges or protrusions.

#### D. Fabrication

1. Turnstile mechanisms shall be fabricated entirely from machined cast iron, stainless steel and mild steel with the exception of sintered metal oil impregnated bearings. No plastic load bearing elements shall used.
2. Turnstile housings shall be of ANSI #304 stainless steel. All exposed surfaces shall have a #4 brushed finish.
3. Turnstile arms shall be of ANSI #304 stainless steel mounted into a gray cast iron hub.

#### E. Installation and Hookup

1. Manufacturer to provide internal conduit from electronics compartment to mechanism connections to protect customer wiring from the mechanism and cabinet edges.
2. Manufacturer will provide an international screw-type terminal block for wiring with chassis ground, system ground or pulsed 24VDC control wiring available.
3. RF pulse and contact arcing elimination circuitry provided.

### 3.0 - WARRANTY

#### 3.01

Turnstiles shall be warranted for a period of five years from date of shipment against defects in workmanship and material.