

USER MANUAL

TITAN HALF HEIGHT TURNSTILES

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▶▶ FRAMEWORK & ROTOR ARM CONSTRUCTION

Constructed and finished in one of the following:

- Powder Coated Mild Steel
- Hot Dip Galvanised Mild Steel
- Hot Dip Galvanised & Powder Coated Mild Steel
- 304 or 316 Grade Stainless Steel

▶▶ INSTALLATION

Securing the turnstile in position:

- The turnstile is secured in place on a level concrete floor or plinth of 125mm thick, 20 MPA concrete.
- The framework is bolted to a concrete floor or plinth with 10x80mm countersunk torques head anchoring bolts at points where mounting lugs are provided in the turnstile's framework.

Power and data cabling:

- For conduit positions refer to the drawing on page 6.

▶▶ POWER SUPPLY & USAGE

- 220 volts AC.
- Integral transformer: 220 volts AC to 18 volt DC output.
- Solenoids and controls: 24 volts DC, continuously rated.
- Solenoids each draw 17 watts.

▶▶ CONTROLLING ROTATION AND LOCKING

MECHANICALLY CONTROLLED ROTATION

- The ROTALOK mechanism can be completely unlatched by using the two control locks on the underside of the turnstile's top channel. This will allow the turnstile to rotate freely in either direction.
- Rotation can be restricted to a single direction by one or other of the two control locks on the underside of the turnstile's top channel. This allows either clockwise or counterclockwise rotation to be selected.

ELECTRICALLY CONTROLLED ROTATION

The turnstile's electronic control panel will operate with all access-control equipment that provides a one-shot zero voltage contact closure.

Refer to the drawing on page 3 for details of connections to the turnstile's control panel.

- Access control equipment can be mounted on the turnstile.
- Alternatively, access control equipment can be mounted remotely from the turnstile.

Typical operation:

- Access control equipment energizes the relevant solenoid, unlocking the ROTALOK mechanism and enabling a single rotation through 90°.
- The ROTALOK mechanism's control panel features a factory-set timer that will re-lock the mechanism after 20 seconds if no rotation occurs.

▶▶ ANTI-TRAP SYSTEM

- The ROTALOK mechanism features an Anti-Trap System that ensures a complete single rotation-cycle under all circumstances including power-failure.

The Anti-Trap System ensures that there is no possibility of becoming trapped inside the turnstile.

▶▶ ROTARUN: PERPETUAL BASE BEARING

The ROTARUN Perpetual Base Bearing requires no maintenance and is guaranteed against malfunction for five years.

The ROTARUN Perpetual Base Bearing requires no lubrication.

▶▶ SUSPENDED ROTOR ARM

The rotor arm is suspended from the base of the ROTALOK rotation locking mechanism.

- A shock-absorbing rubber coupling is mounted between the mechanism and the rotor. This coupling requires no maintenance.

▶▶ ROTALOK: ROTATION LOCKING MECHANISM

The Rotalok mechanism requires no routine maintenance and is guaranteed against mechanical malfunction for five years.

All adjustments are factory set and require no further adjustment.

Moving parts are either pre-lubricated or self lubricating and the mechanism needs no further lubrication.

▶▶ TURNSTILE TROUBLE SHOOTING

1. Check that the access control system is functioning properly.

2. Check the turnstile's electrical operation:

- Remove the top cover.
- Press & release one of the test buttons on the turnstile's control panel. The appropriate solenoid will retract, unlocking the turnstile.
- Immediately rotate the arms through one cycle, at which point the turnstile will re-lock.
- Repeat this process a further three times to confirm that the turnstile is operating perfectly.
- Repeat the entire process with the other test button.

▶▶ MANUFACTURER MECHANICAL GUARANTEE

ROTARUN PERPETUAL BASE BEARING:

The guarantee covers fault-free operation for five years of all components of the ROTARUN Perpetual Base Bearing.

ROTALOK ROTATION LOCKING MECHANISM:

The guarantee covers fault-free operation for five years of all mechanical components of the ROTALOK Rotation Locking Mechanism.

▶▶ TECHNICAL ASSISTANCE

Should you require further assistance, contact TURNSTILES.us.

