

Based on a modular design approach, the 36x full-height turnstile range is available with 3 or 4 arms, for single or double passage in a manual version. The TRS360 belong to this new generation of full-height turnstiles.

Based on a bi-directional access way and a obstacle with a 120° 3-wing configuration, these turnstiles are especially designed to ensure effective, secure, autonomous access control. Their innovative design is suitable for use in all environments. They provide very ergonomic operation and can be fully integrated into any type of site management system (multi-configuration control logic, easy integration of badge readers, videophone, etc.). Their steel structure and durable mechanism, the fruit of over 30 years experience, guarantee that they can withstand prolonged, intensive operation under even the most severe conditions

### Description

Painted modular steel frame:

1. Folded sheet steel uprights with full-height lockable door
  - Easy integration of access control equipment
2. Curved panels defining the access passageway, clad with perforated steel plate (6mm hole diameter)
3. Upper box section made of steel sheet steel with a lockable double door for accessing the operating mechanism and the control logic.
4. Tubular steel fixed combs
5. Rotating obstacle made of RAL7038 painted steel tubes comprising 3 combs at 120° to one another
6. Heel protector on the lowermost tube.
7. Electro-mechanical assembly :
  - Solenoids and cams mechanically lock the rotating obstacle in their resting position
  - Compensating arm with tension springs allowing the obstacle to be repositioned after passage
  - Self-adjusting oil damper for damping movement at end of the cycle
  - Mechanism preventing return of obstacle after 60° rotation.
8. Logical assembly:
  - 24V AC control logic with general connection block
  - parameters set using digital keyboard and LCD screen
  - networked with remote controller

### Operating mode:

Each passage way of the TRS360 can be configured in one of 5 different operating modes in each direction of passage:

- 1 = Free access
- 2 = Permanently locked
- 3= Locked, but free to rotate in case of power failure
- 4= Electrically controlled
- 5= Electrically controlled, but free to rotate in case of power failure

**Surface treatment:**

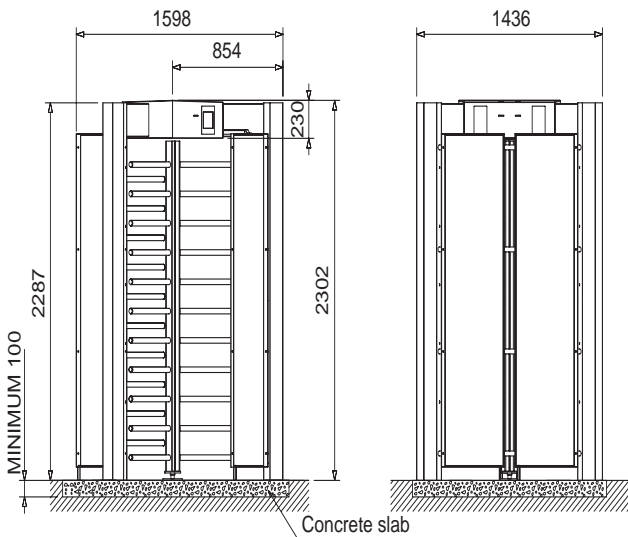
- Anti-corrosion protection:  
Metal framework treated by zinc phosphating, followed by cathaphoresis (cathodic process), 20µm thick.
- Paint finish:  
Powder-coated polyester finishing coat 100µm thick. RAL 7031 (dark grey) for the upper box section and RAL 7038 (light grey) for the vertical uprights and curved panels
- Internal parts:  
Galvanization, cathaphoresis or anodization

**Technical characteristics:**

- Power supply: 230V single phase
- Control circuits: 24V AC
- Power consumption: 100VA
- Operating temperature: -20°C to + 50°C.
- Relative humidity: 95%
- MTBF: 2 years
- MCBF: 1 million operations
- MTTR: 20 minutes
- Net weight 310 kg

Conforms with the machinery, low voltage safety and electromagnetic compatibility directives according to EN60204, EN60950, EN 50081-1 and EN50082-2

**Dimensions**



Drilling template supplied as standard

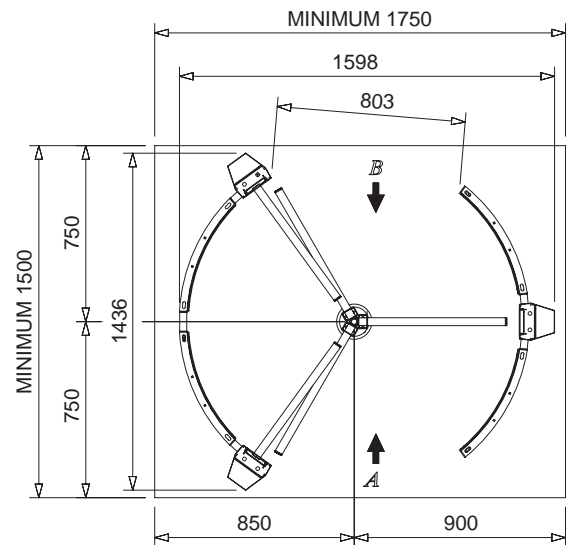
**Options:**

- Operation by 1/6 th of a turn with intermediate blocking for dual access control
- Mobile obstacles made of nitrided AISI304 stainless steel tubes
- Hair pin mobile obstacle, made of stainless steel
- Climb-proof top section
- Roof
- Passageway lighting incorporated within the upper box section
- Orientation pictogram
- 120V 60Hz power supply
- Key-operated fireman's release
- Fixing frame to be embedded in the concrete.
- Stainless steel sheet for integration of access control features
- Other RAL colour, identical for the upper box section, the vertical uprights and the curved panels (the mobile obstacle and its fixation device remain in RAL 7038).

**Work not supplied:**

- 230V single phase 6A + Earth power supply and electric cable if necessary for remote control of turnstile
- Masonry work as required per general arrangement drawing

**General arrangement drawing:**



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