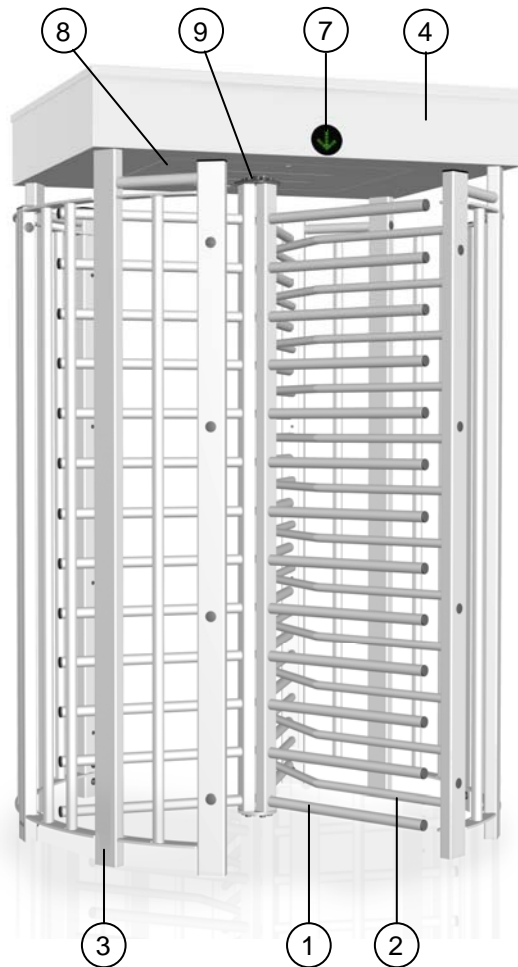


TRS 370



The TRS 370 is a full-height turnstile with a 3-arm mobile obstacle. It offers a high level of security and a comfortable space for the user.


- Safe, simple, and effective equipment allowing for intensive, prolonged use even in the harshest conditions
- Automatic access control enables single passage without the need for a supervisor, reducing security costs
- Long term investment based on exceptional durability

Applications: Industrial and building sites, administrative buildings, schools, and hospitals, stadium and sports complexes, amusement parks, ports, airports and military bases.

Description

1. 3-arm mobile obstacle. Each arm is a comb. Arms are positioned 120° from one another. The comb is made of steel tubes welded to uprights. All three arms are attached to the upper rotating part and to the lower central wheel disc.
2. Fixed obstacle limiting passage to half of the turnstile, consisting of steel tubes bolted to the uprights of the fixed panel (3).
3. Fixed panel limiting passage, consisting of vertical tubular steel profiles (rectangular and round), welded to a curved plate. This structure also supports the upper box section (4).
4. Upper box section holding the driving mechanism (5) and the control board (6), in sheet steel, with a double door secured by a key lock. Diamond point roof for water evacuation.
5. Driving mechanism, located in the upper box section (4), consisting of:
 - Tension springs to stabilize the mobile obstacle in neutral position.
 - Hydraulic damper slowing movement at end of cycle.
 - Mechanism preventing return of obstacle after 60° rotation, preventing passage fraud in the opposite direction.
 - Electromagnet(s) and cams ensuring mechanical locking of the obstacle in neutral position.
6. AS 1300 Control board located in the upper box section (4). The main functionalities are :
 - Parameters set using an integrated keyboard and LCD screen, or a Modbus link with remote control.
 - Connection block for various commands (readers, unlocking ...) and recovery of information (position, counting ...).
 - Configuration of operating mode.
 - Management of timer settings.
 - Memorization of passage requests.
7. Orientation pictograms on the upper box section.
8. Passageway lighting on the upper box section.
9. Dust-free seal between the central axis of the obstacle and the upper box section.
10. Automatic Systems supplies the necked-down bolts to fix the equipment on firm flooring.

General specifications

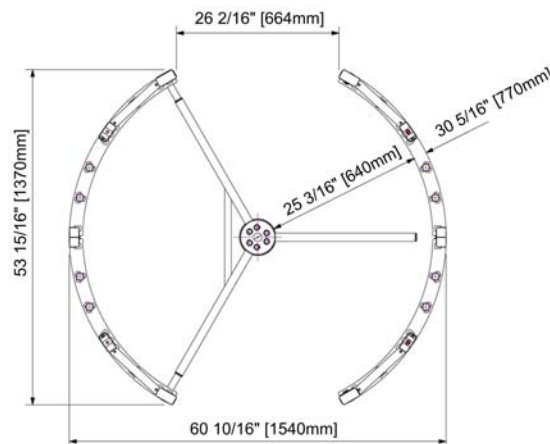
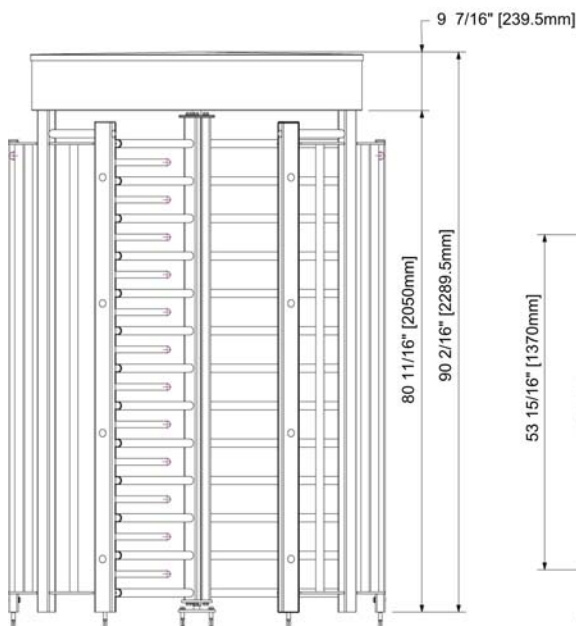
Input power	120 VAC / 60 Hz (with ground)
Consumption	70 W (nominal)
Max relative humidity	95%, without condensation
Operating temperature	14°F to 122°F (-10°C to 50°C)
Max Throughput ⁽¹⁾	15 to 20 passage per minute
Weight	864.6 lbs (393 kg)
Passageway	26 2/16 in (664 mm)
MCBF (Mean Cycle Before Failure)	1,000,000 cycles, with recommended maintenance
MTTR (Mean Time To Repair)	20 minutes
Certification	 ETL listed no 3117963 Conform to UL std 325 Certified to CAN/USA std C22.2 NO 247

(1) Best conditions; depends on validation speed of the access control system

Operating modes

For each passage direction, there are three operation modes

1. Free access (mobile obstacle rotating freely).
2. Locked
3. Controlled
 - a. Standard version: unlocked in case of power failure.
 - b. Optional: locked mechanically in case of power failure.



Surface treatment

- Galvanized mechanical parts.
- Body:
 - Galvanized: mobile obstacle (1), fixed obstacle (2), fixed panel (3) and uprights (3).
 - Treated by electrophoresis : Upper box section (4)
 - Finish: 2 coats RAL7038 light gray paint.

Options and accessories

- Mobile obstacle made of AISI 304 stainless steel.
- Climb proof canopy.
- Light-sensitive switch for lighting control.
- Heel protector on the mobile arm tubes nearest to the ground.
- Fixing frame to be embedded in a concrete slab.
- 120 V – 550 W heater for operation at -31°F [-35°C].
- Safety lock with key for firemen use (manual unlocking)
- Housing for card reader

Work not included

- Performing electrical interconnection and connections to the power grid
- Performing connections to the access control systems
- Anchoring the equipment with the appropriate hardware for your floor type

All work should be performed as per the implementation and interconnection diagrams provided.