



Pedestrian Barriers Magstop

Full Height Turnstile MPT 152/153

Technical Data:	Type	MPT 152	MPT 153
Voltage	VAC	230	230
Frequency	Hz	50	50
Current	A	2.0	2,5
Duty Cycle	%	100	100
Protection	IP	43	43
Operating temperature	°C	-25 / +45	-25 / +45
Abmessungen Length	mm	2200	2200
Width	mm	1313	1313
Height	mm	2234	2234
Weight	kg	325	320

Description

The MPT152/153 series of full height turnstiles have been specifically developed to control simultaneous bi-directional pedestrian control of two independent turnstiles where limited space is available.

The turnstile has been designed as a modular system and can easily be assembled on site by hand and without the need of heavy lifting devices.

The turnstile consists of an outer cage section and a centre column incorporating a 3 x 120° offset 'U' bar configuration. The Controller and the drive are mounted on top of the cage and within a sheet metal enclosure. Additional space has also been made available for the installation of access control equipment.

The turnstile is designed to be installed directly to concrete surfaces, or in the case of paved areas an optional foundation frame is available.

Housing

The turnstile consists of an outer 'U' bar section, an outer vertical bar section and a central rotating column incorporating a 3 x 120° offset 'U' bar configuration.

The control and drive mechanism are housed within a folded sheet metal enclosure which is located above the central column. As standard all sections are fully "hot dip" galvanised after fabrication and can also be powder coated in RAL 7042 grey upon

request. Optional and special RAL colours and either 304 or 316 grade stainless steel construction is also available upon request. Access control devices such as card readers can easily be fitted to the turnstile cage. A mounting plate fixed at each entry point on the outer vertical bar section of the turnstile enables ease of installation of such control devices.

Technology

MPT 152 motor driven

The maintenance-free Magnetic High Torque Motor **MHTM®** is the core of our drive system. This provides numerous advantages, such as silent operation, low dynamic forces, obstacle detection, and very quick opening and closing times. In the inactive state, the motor has a very low power requirement. The heat generated prevents condensation and enables use of the barrier in extreme ambient conditions. In combination with the MBC-110 logic controller, the system provides functions for a multitude of applications. In the event of power failure the centre column is allowed to turn freely (standard option).

An optional locking device to stop entry in one or both directions is available and upon request.

MPT 153 elektromechanical

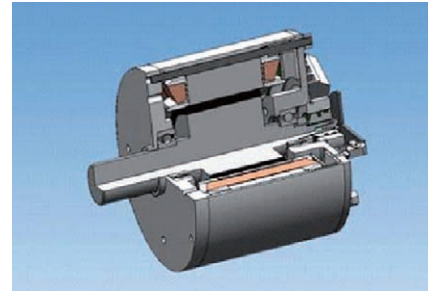
The MPT 153 turnstile is rotated manually by the user. The locking mechanism contains a cam plate and two locking solenoids. This unit is controlled by our MSC10 E-100 controller. This controller has been

designed specifically by Magnetic for this application. Upon receiving a pulsed input, the controller releases the respective solenoid and allows the centre column to be easily rotated 120°. The centre column then locks back into position. The turnstile is then ready to receive additional inputs. The options available, in the event of power fail are 'locked' or 'free wheel' in one or both directions.

Option

- Over-climb protection roof
- Over-climb alarm contact output
- Overhead lighting within the turnstile
- Foundation frame
- Enclosure to incorporate access control devices
- Twin version (simultaneous entry/exit passage), see data sheet 5807,5812EN
- IP 54 for MPT

The MHTM® is designed to have a useful life of more than **10 million cycles** or at least **10 years** in applications as a pedestrian barrier.



Motor controller MMC-121

The motor controller permits precise regulation of the motor taking account of parameters such as torque, speed, acceleration and braking in any position.

Main features of the motor controller:

- ▶ CAN bus for integration in a network
- ▶ Safety release, e.g. by a fire alarm system
- ▶ Precision position regulation
- ▶ Adjustable acceleration and braking ramps
- ▶ LEDs for diagnosis
- ▶ Dimensions: 220 mm (L) x 141 mm (W) x 62 mm (H)



Logic controller MBC-110

The logic controller offers a high degree of functionality and flexibility to meet customer-specific requirements. It can control the pedestrian barrier either by means of serial commands from a communication point, or using digital inputs and outputs.

The MBC-110 controls all functions of the barrier independently. It accepts opening commands from an external access-control system such as a card reader or a finger-print reader, etc.

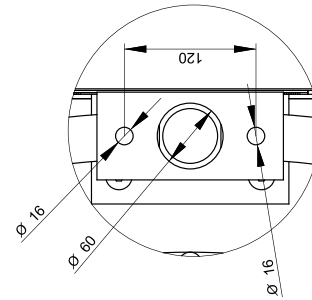
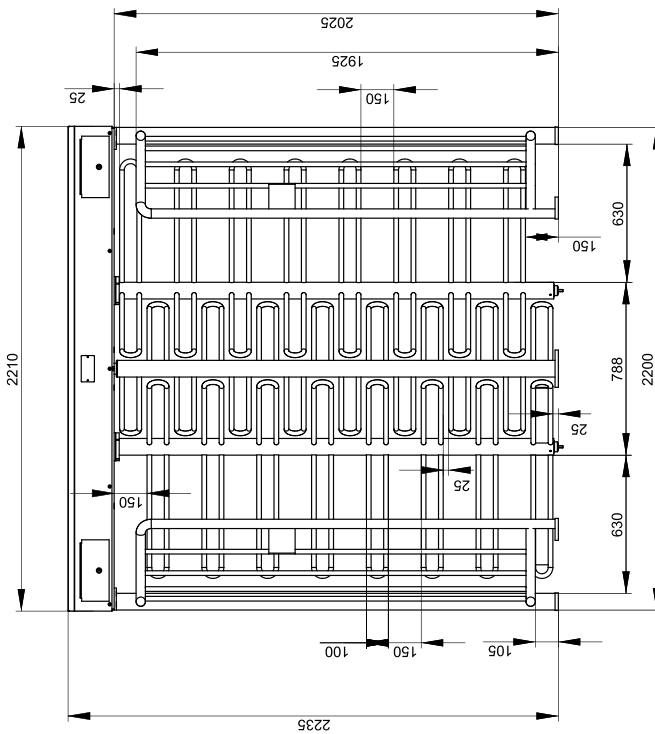
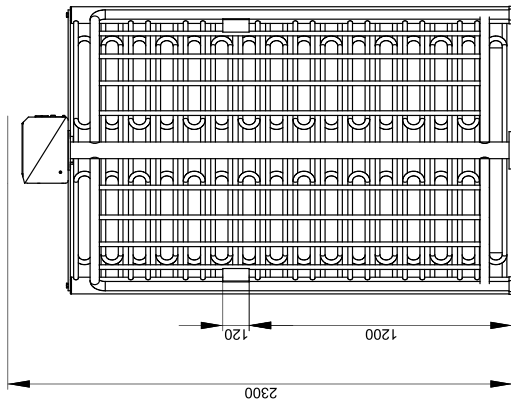
Main features of the logic controller:

- ▶ CAN bus or serial interface for integration in a network
- ▶ Control extensions via RS232/ RS422/ RS485/ CAN bus /PC bus
- ▶ 9 digital inputs, 6 relay outputs, 4 MOSFET outputs
- ▶ Functions: open, direction of passage, emergency, wrong direction, counting impulse, card-reader locking
- ▶ LEDs and display for service and diagnosis purposes
- ▶ DIP switches for simple selection of operating modes and functions
- ▶ Dimensions: 220 mm (L) x 185 mm (B) x 60 mm (H)

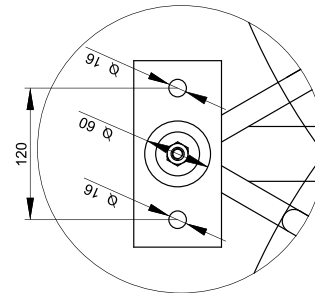


Declaration of Conformity

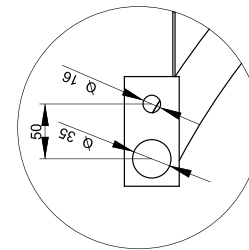
The barriers and controllers comply with CE requirements.
On request barriers can be supplied with UL or other certification.



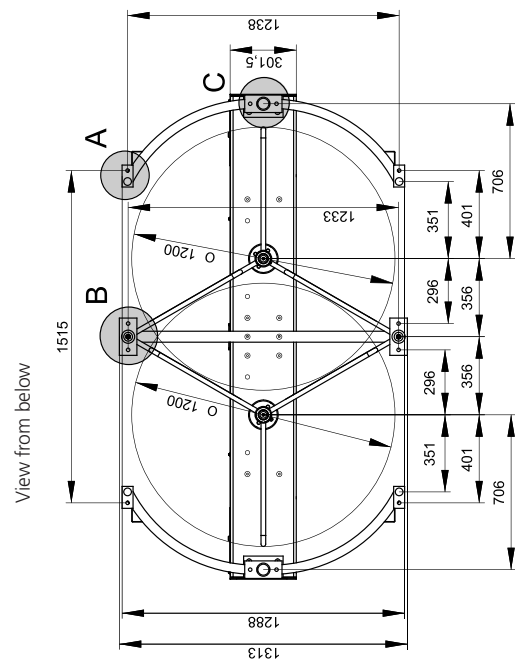
Einzelheit / Detail C



Einzelheit / Detail B



Einzelheit / Detail A



View from below