



## Pedestrian Barriers MAGSTOP

## Full Height Turnstile MPT 52/53

Technical Data:	Type	MPT 52	MPT 53
Protection	IP	54	54
Voltage	VAC	240	24
Frequency	Hz	50	50
Current	A	2.0	2.5
Duty Cycle	%	100	100
Weight	kg	325	320
Height	mm	2230	2230
Diameter	mm	1300	1300

### Description

The MPT52/53 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 two centre columns, each incorporating a 3 x 120° offset 'U' bar configuration. The MUC Controllers and the torque positioning drives 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 a left and right hand outer vertical bar section, a central 'U' bar section and two central rotating columns, each 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 columns. 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 are 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 sections of the turnstile enables ease of installation of such control devices.

### Technology

#### MPT52 motor driven

The MPT52 turnstile is operated by our well-known motor drive technology. The drive system incorporates our 3-phase Magnetic Torque Motors and self locking system which are controlled by our Magnetic Universal Controllers (MUC). The rotation speed of the centre columns are pre-programmable and are compared with the actual speed.

The MUC Controllers in turn provide the optimum power to frequency ratio to the torque motors which assist the user in the rotation of the centre columns. In the event of power failure the centre columns are allowed to turn freely (standard option). An optional locking device to stop entry in one or both directions is available upon request.

#### MPT53 electromechanical

The MPT 53 turnstile is rotated manually by the user. The locking mechanisms contain

a cam plate and two locking solenoids. Each 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 turned 120° by hand, 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
- Overhead lighting within the turnstile
- Foundation frame
- Enclosure to incorporate access control devices.

