



## Pedestrian Barriers PRISON GRADE

### Full Height Turnstile MPT 32/33/30

Technical Data:	Type	MPT 32	MPT 33	MPT 30
Protection	IP	54	54	n/a
Voltage	VAC	115	115	n/a
Frequency	Hz	60	60	n/a
Current	A	2.0	2.5	-
Duty Cycle	%	100	100	-
Weight	Lbs	717	705	-
Height	Inches	88 +/-"	88 +/-"	-
Diameter	Inches	51 +/-"	51 +/-"	705 88 +/-" 51 +/-"

#### Description

The MPT 33/32/30 series of full height turnstiles have been developed to control pedestrians entering or exiting restricted areas. The turnstile has been designed using a modular system comprised of four primary components, which can be easily assembled on site. The rotating center column of the cage consists of 3 x 120° U-bars.

The MPT is shipped from the factory ready to be installed directly on to a concrete floor using flanges. An (optional) foundation ring is required for installing the turnstile on uneven or unstable surfaces.

MPT turnstiles can be used for bi-directional access control applications. The passage frequency mainly depends on the speed of the user.

#### Housing

The primary components of the turnstiles are the center column, left, right cage and upper controller housing. The controller housing contains the locking mechanism and the MUC or MSC controller. Standard version is made of "hot dipped" galvanized steel; optional powder coating or type 304 / 316 stainless steel is available on request at an additional cost. A mounting plate of 4" x 4" approx., is fixed at the turnstile enabling the adaptation of access control devices.

#### Technology

##### MPT32 (Motor Driven)

The MPT32 turnstile utilizes our well-known motor technology. The drive system with locking device consists of a Magnetic Torque Drive Motor which is controlled by our MUC (Magnetic Universal Controller). The pre-programmed speed is compared with the actual speed so that the controller provides the optimal power to the torque motor.

On power failure the center column turns freely (standard). A locking mechanism is optionally available.

##### MPT33 (Electromechanical)

The MPT33 turnstile contains an electro-mechanical locking device consisting of a cam plate and two solenoids. This unit is controlled by the MSC 10 E-100 controller, specifically developed by Magnetic for this application. After release of the opening pulse the center will immediately unlock. The center rotation of 120° is done easily by hand. Afterwards the center column locks again.

##### MPT53 (Electromechanical)

Twin version - Dual cage (two passages)

##### Upon Power Failure

The turnstile can be delivered either unlocked under power failure (standard) or locked (optional).

##### MPT30 (Mechanical)

The turnstile MPT30 contains a simple mechanical locking device. By means of this device one passage direction is always locked and the opposite direction is free.

