



## Pedestrian Pivot MAGSTOP

## Retractable MPR 112

Technical Data:	Type	MPR 112 (77/8")	MPR 112 (9 7/8")	MPR 112 (11")
Motor drive		MHTM®	MHTM®	MHTM®
Opening- /Closing time :				
Acryl	sec.	–	0,35	–
Soft Flap/Teleskop	sec.	0,4	0,3	0,6
Protection	IP	32	32	32
Power supply	V	115–240	115–240	115–240
Frequency	Hz	50–60	50–60	50–60
Length	inches	51 1/8	51 1/8	51 1/8
Width	inches	7 7/8	9 7/8	11
Height	inches	40 3/4	40 3/4	40 3/4
Aisle width	inches	20 1/2	20 1/2	37 3/4 – 39*
*37 3/4" = 2" Gap 39" = 3 1/8" Gap				

### Product Description

The pedestrian retractable barrier series type MPR (Magnetic Pedestrian Retractable) is designed to control pedestrians entering or exiting restricted areas, usually under surveillance in low to medium security applications. To accommodate different applications, Magnetic offers different models. The standard model has an aisle width of 20.5", the wide lanes to meet ADA requirements have an aisle width of 37 3/4" up to 39".

The housing design consists of a sheet metal frame that can be modified to meet a variety of applications.

The drive unit consists of the proven MHTM technology, which guarantees high MTB.

The MHTM is a gearless drive system featuring maintenance-free, noise-free and multi-million cycle operation. The slim-narrow design enables an optimal utilization of available space while optimizing architectural integration. The MHTM-Drive Technology allows the optimization of speed and force, resulting in a secure and safe operation.

The aisle is blocked by means of a retractable triangular wing made of an aluminum core covered by PU-foam. Alternatively an acrylic glass wing is available. After an opening pulse the wing retracts into the housing, consequently the aisle is completely open without any obstructions.

It closes immediately after passage or after an adjustable time-out.

The opening and closing times of the wings are from 0,3–0,6 sec., dependent on the type of wing used.

### Typical Fields of Applications

- Train stations
- Airports
- Sports stadiums
- Museums
- Corporate entries
- Public Swimming pools
- Public facilities
- Fitness Studios
- Immigration
- School Cafeterias

### Housing

The housing consists of a modular design. The middle segment contains the controller and drive unit. The middle segment has two hinged locked doors providing access to the controller and drive mechanism.

Various optional access control devices (such as card readers, finger print readers etc.) can be accommodated on a stainless steel face-panel located at each end segment of the pedestrian barrier.

Optional LED Gate End Displays (GED) are available At request.

The displays indicate the current state of the barrier. Green arrow for entry free, red cross for lane closed.

The standard design is for indoor applications and made of polished 430 stainless steel protection class IP 32.

Outdoor designs are optional.

### Dimensions

#### MPR 112 (7 7/8"):

Length	51 1/8"
Width	7 7/8"
Height	40 3/4"
Aisle width	20 1/2"

#### MPR 112 (9 7/8"):

Length	51 1/8"
Width	9 7/8"
Height	40 3/4"
Aisle width	20 1/2"

#### MPR 112 (11"):

Length	51 1/8"
Width	11"
Height	40 3/4"
Aisle width	37 3/4 – 39"

## Description of the gate wings

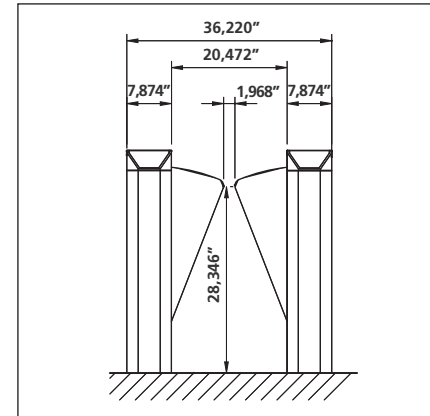
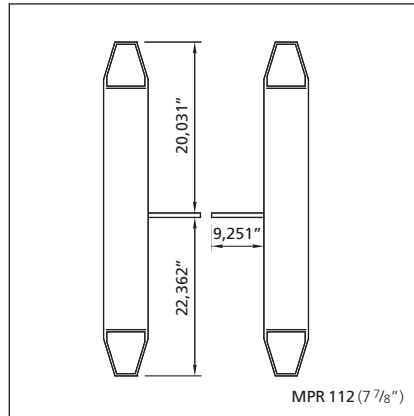
The MPR 112 (9 7/8") model is available with two wing types. One is the combination of an aluminum core with PU-foam coating or alternatively a 3/4" acrylic glass wing.

The telescopic drive mechanism allows to block an aisle of 37 3/4"-39" with a slim housing width of 11".

The level of hardness for the soft wing is approx. 55 shore as standard.

With the use of soft wings the risk of injury is minimized, even in the event of a visitor running into the closed retractable barrier.

Furthermore, a significant increase of the opening and closing time can be achieved, resulting in effective tailgating prevention.



## Motor Drive

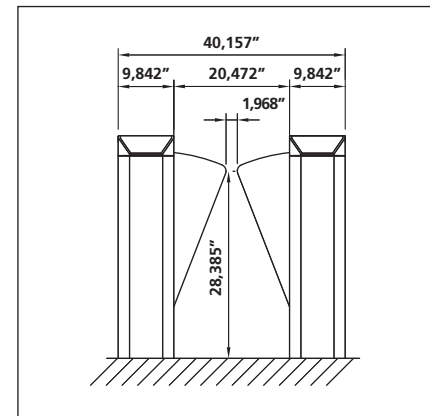
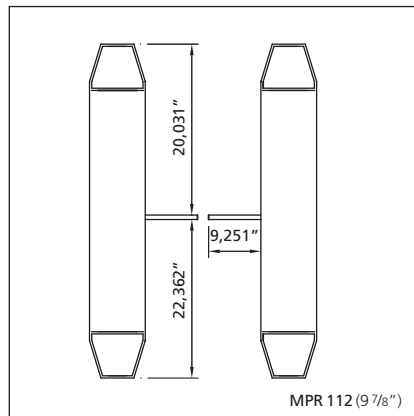
Our new developed and patented Magnetic High Torque Motor MHTM® with resolver technology is the heart of the drive unit. The brushless DC motor allows a direct drive of the gate wing without additional gear.

In connection with the new universal MBC Controller the system provides functional features that meet any application. The motor offers numerous benefits including a near noiseless operation, smallest dynamic impact forces, impact detection, lowest abrasion and fastest opening- and closing times.

In the event the closing cycle is interrupted, the impact detection feature will reverse to its open position automatically.

In case of power failure the wings open automatically.

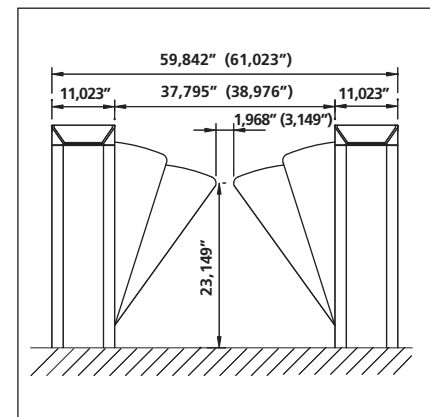
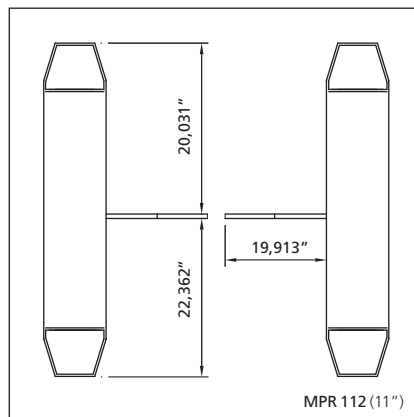
The MHTM® motor operates under constant power in the home position; therefore the heat dissipated prevents any condensation and extends the life of the system.



## Safety

Light beams accommodate the low impact force of the wings.

This system provides an effective solution to prevent the wings to close on a person, luggage, or other obstructions.



## Logic Functions

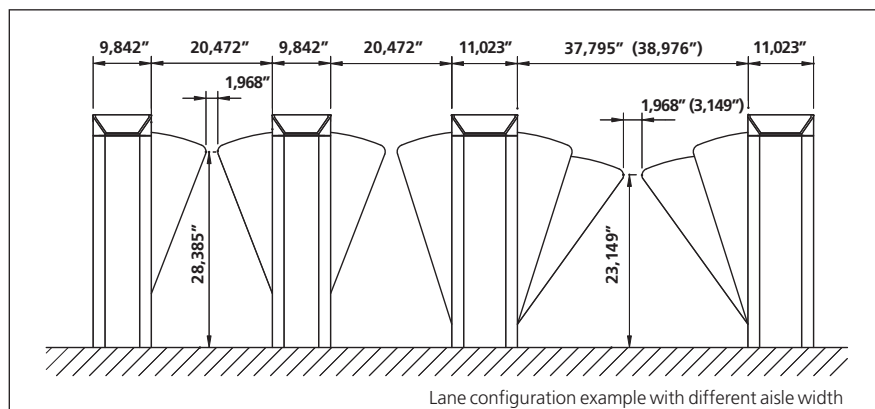
The barrier can be operated in two different functional modes:

Mode 1 is a single closed mode, that is controlled via safety beams for safety and fast closing function.

Mode 2 allows two additional photo beams for directional logic.

Mode 2 additional functions:

- Lock of the card reader when a person entering the barrier.
- Activation of alert in case of entering without booking (access control)
- Automatic opening
- Controlling of the GED



Lane configuration example with different aisle width