

MHTM™ MicroDrive

Magnetic.Toll

Modern toll stations are complex systems which have a crucial demand for speed and reliability.

Magnetic.Toll barriers were especially designed for this application and offer maximum reliability at fast speeds, high quality and maximum ease of use. The integration of different payment methods (electronically, manually, etc.) may be easily accomplished due to the huge number of inputs and outputs.

Additionally, the Magnetic.Toll product range impresses with sophisticated and enduring design, extremely low operational costs and almost maintenance-free technology.

In a nutshell: Magnetic.Toll barriers define the new standard for toll barriers.

- » tall housing with roundboom
- » high basic functionality
- » safe control unit (EN 13849)
- » 80% more connectivity (I/O, TCP/IP, RS-485, etc.)
- » high ease of use
- » only 55W power consumption (Magnetic.Toll)
- » 10 Mio opening and closing movements

Access

Parking

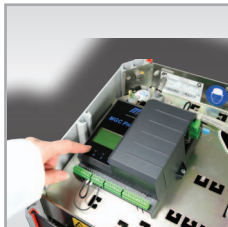
Toll



Design and quality

MHTM™ MicroDrive barriers impress with sophisticated and enduring design. The modularly designed housing made of extruded aluminum profiles and a base frame made of stainless steel (both powder-coated) offers best protection against corrosion.

The MHTM™ product line is winner of the red dot award: product design 2012.



Control unit

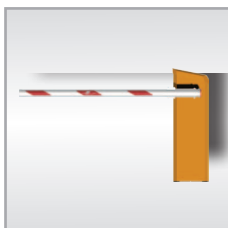
The control unit MGC is compliant with EN 13849. It is located directly underneath the top cover and can be accessed from all sides. Configuring the barrier is easily accomplished via the LCD's intuitive user interface that can be navigated with just 4 push-buttons.



Drive unit

The drive unit of MHTM™ MicroDrive is not only astonishing because of its small dimensions. You also get a high torque with an extremely minimized power consumption. The high torque guarantees best operation even under severe weather conditions (heavy winds, snow, etc.).

The motor, motor control and gearing are all combined in one compact drive unit.



MicroBoom-T / MicroBoom-S with swing-away functionality

All Magnetic.Toll models are shipped with either a MicroBoom-T (roundboom) or a MicroBoom-S (octagonal boom). Both variants are equipped with a swing-away flange to prevent damages to the barrier / vehicle in case of an unpermitted or forced drive-through. Optionally, a boom contact is available which gives feedback when the boom is missing or swung away.

Technical Data	Magnetic.Toll	Magnetic.Toll Pro	Magnetic.Toll HighSpeed
Lane width max.	10 ft	10 ft	10 ft
Opening / closing time	1.3 s	0.9 s	0.5 s
Power consumption max.	70 W	115 W	320 W
Duty cycle	100%		
Supply voltage	Wide voltage range 85 - 264 V AC		
Frequency	50 - 60 Hz		
Drive unit	MHTM™ MicroDrive		
Housing dimensions (WxDxH)	12.4 x 14.2 x 43.9 in		
Weight without boom	92.6 lbs		
Housing design	Powder-coated aluminum		
Base frame	Powder-coated stainless steel		
Protection class	IP 54		
Compliant with	UL 325, 2004/108/EC, 2006/95/EC, 2006/42/EC, CE		
Temperature range	-22 to +131 °F		

Features	Magnetic.Toll	Magnetic.Toll Pro	Magnetic.Toll HighSpeed
Standard colors	RAL 2000 (orange), RAL 9010 (white)	RAL 2000 (orange), RAL 9010 (white)	RAL 2000 (orange), RAL 9010 (white)
Special painting	○	○	○
Control unit	MGC	MGC Pro	MGC
Control unit modularly extendable	●	●	●
MicroBoom-T (Ø 75mm)	●	●	●
MicroBoom-S (100 x 55mm)	○	○	○
Swing-Away flange	●	●	●
Number of digital inputs	8	8	8
Number of relay/digital outputs	6/4	6/4	6/4
Closing times selectable	●	●	●
Extended accessories	○	○	○
Specified number of cycles	10 Mio	10 Mio	10 Mio
Warranty	2 years	2 years	2 years

- Standard
- Optionally available
- Not available