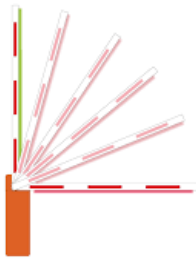


Magnetic.Toll MHTM™ MicroDrive / Toll applications

- » Tall housing with round boom
- » 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



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.

Design and quality

MHTM™ MicroDrive barriers impress with sophisticated and enduring design. The modularly designed housing made of extruded aluminium 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 and German Design Awards 2014.

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.

The functionality may be easily extended via optionally available modules (only in combination with MGC Pro control unit).

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.

Swing-Away

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.	3.0 m	3.0 m	3.0 m
Opening / closing time	1.3 s	0.9 s	0.6 s
Power consumption max.	55 W	95 W	320 W
Duty cycle	100%		
Supply voltage	Wide voltage range 85 - 264 V AC		
Frequency	50 - 60 Hz		
Drive system	MHTM™ MicroDrive		
Housing dimensions (W x D x H)	315 x 360 x 1115 mm		
Weight (without boom)	42 kg		
Housing design	Powder-coated aluminium		
Base frame	Powder-coated stainless steel		
Protection class	IP 54		
Compliant with	2004/108/EG, 2006/42/EG, 305/2011, CE, UL 325	CE, 2006/42/EG, 2004/108/EG	
Temperature range	-30 to +55 °C		

Features	Magnetic.Toll	Magnetic.Toll Pro	Magnetic.Toll HighSpeed
Standard colour	RAL 2000	RAL 2000	RAL 2000
Special painting	○	○	○
Control unit	MGC	MGC	MGC
MGC Pro Control unit	○	○	○
Control unit modularly extendable	●	●	●
MicroBoom-T (Ø 75 mm)	●	●	●
MicroBoom-S (100 x 55 mm)	○	○	○
MicroBoom AT	○	○	○
Swing-Away Flansch	●	●	●
Auto-Swing-Away Flansch	○	○	○
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