



Automatic Access Control for Vehicles

*Access applications
Access applications for Industrial surroundings
Parking applications
Toll applications*

Toll applications

Toll	The all around barrier for toll applications
Toll Pro	The Pro model with extended functionality
Toll HighSpeed	Probably the fastest barrier in the world

Parking applications

Parking	The all around model for parking applications
Parking Pro	The Pro model with extended functionality
Parking Select	Probably the most individual parking barrier in the world

Access applications

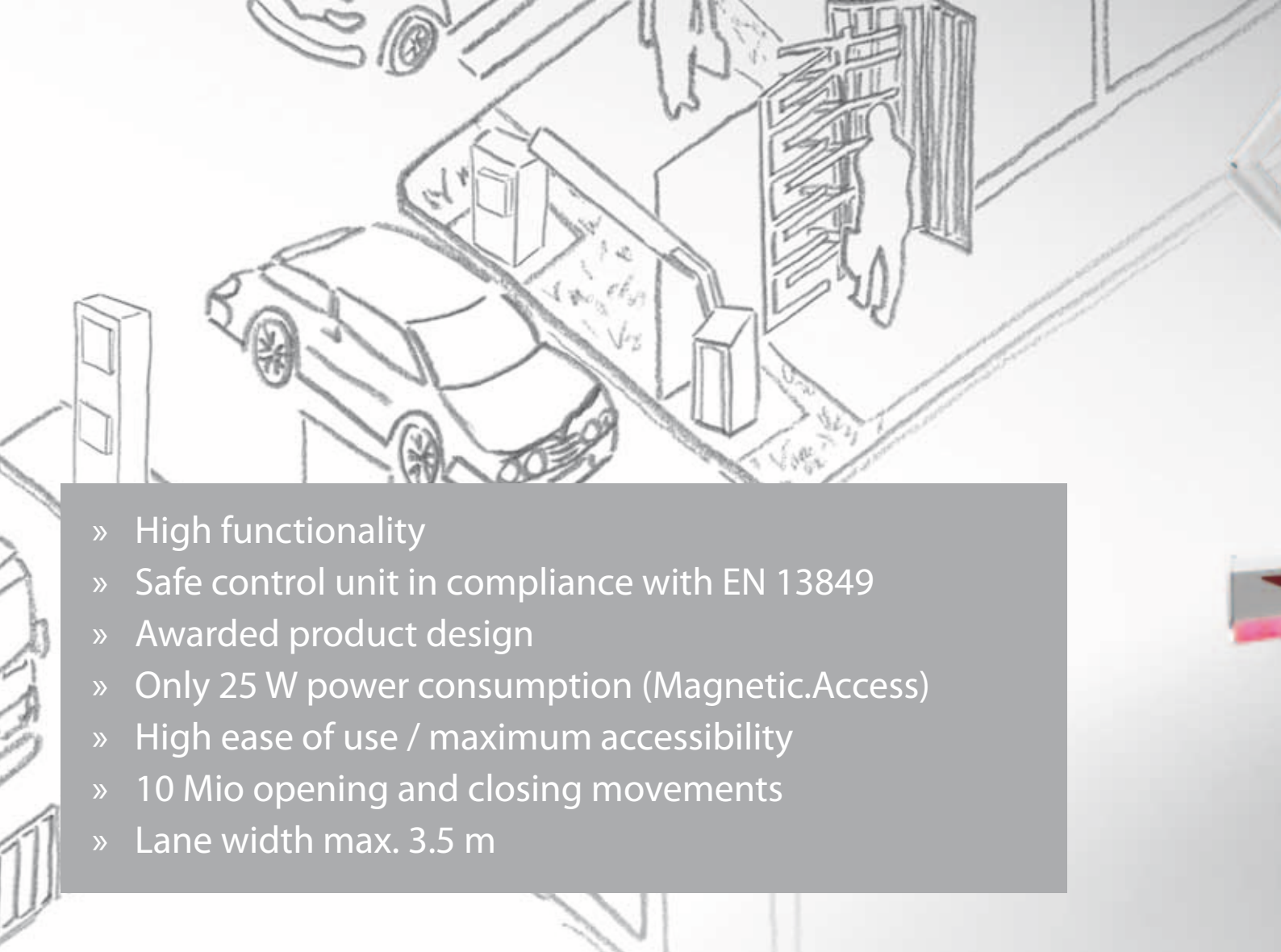
Access	The all around access model for lane widths up to 3.5 m
Access Pro	The Pro model for lane widths up to 3.5 m
Access Select	Probably the most individual barrier for lane widths up to 3.5 m
Access-L	The all around model for lane widths up to 5.0 m
Access Pro-L	The Pro model for lane widths up to 6.0 m
Access Select-L	The Select model for lane widths up to 6.0 m

Access applications for industry surroundings

Access Pro-H	Access barrier for usage with a boom skirt for lane widths up to 6.0 m
Access XL	Access barrier for lane widths up to 8.5 m
Access XXL	Access barrier for lane widths up to 10.0 m

General overview MHTM™ MicroDrive





- » High functionality
- » Safe control unit in compliance with EN 13849
- » Awarded product design
- » Only 25 W power consumption (Magnetic.Access)
- » High ease of use / maximum accessibility
- » 10 Mio opening and closing movements
- » Lane width max. 3.5 m

Magnetic.Access

The Magnetic.Access barriers are complete but cost-oriented solutions for vehicle access control to public parking space, on-site parking or any other arbitrary application. The fast opening and closing times of 2.2 sec allow for speedy passing. In addition to the award-winning design, these barriers impress with high functionality which meets almost all requirements. They are delivered in standard color definition: housing in orange, doors in anthracite.

The Magnetic.Access models contain the complete operator, the control unit MGC, an integrated 2-channel loop detector module as well as the barrier boom VarioBoom.

Magnetic.Access Pro

The Magnetic.Access Pro barriers offer even faster opening times (of 1.3 sec) and are thus best suited for usage in high traffic sites. Compared to Magnetic.Access barriers, the pro models offer even more functionality, additional extensibility through plug-in modules and exclusive accessories.

Magnetic.Access Pro barriers are available in three color combinations. They contain the complete operator, the control unit MGC Pro, an integrated 2-channel loop detector module as well as the barrier boom VarioBoom.



Access applications

Magnetic.Access



Magnetic.Access Select

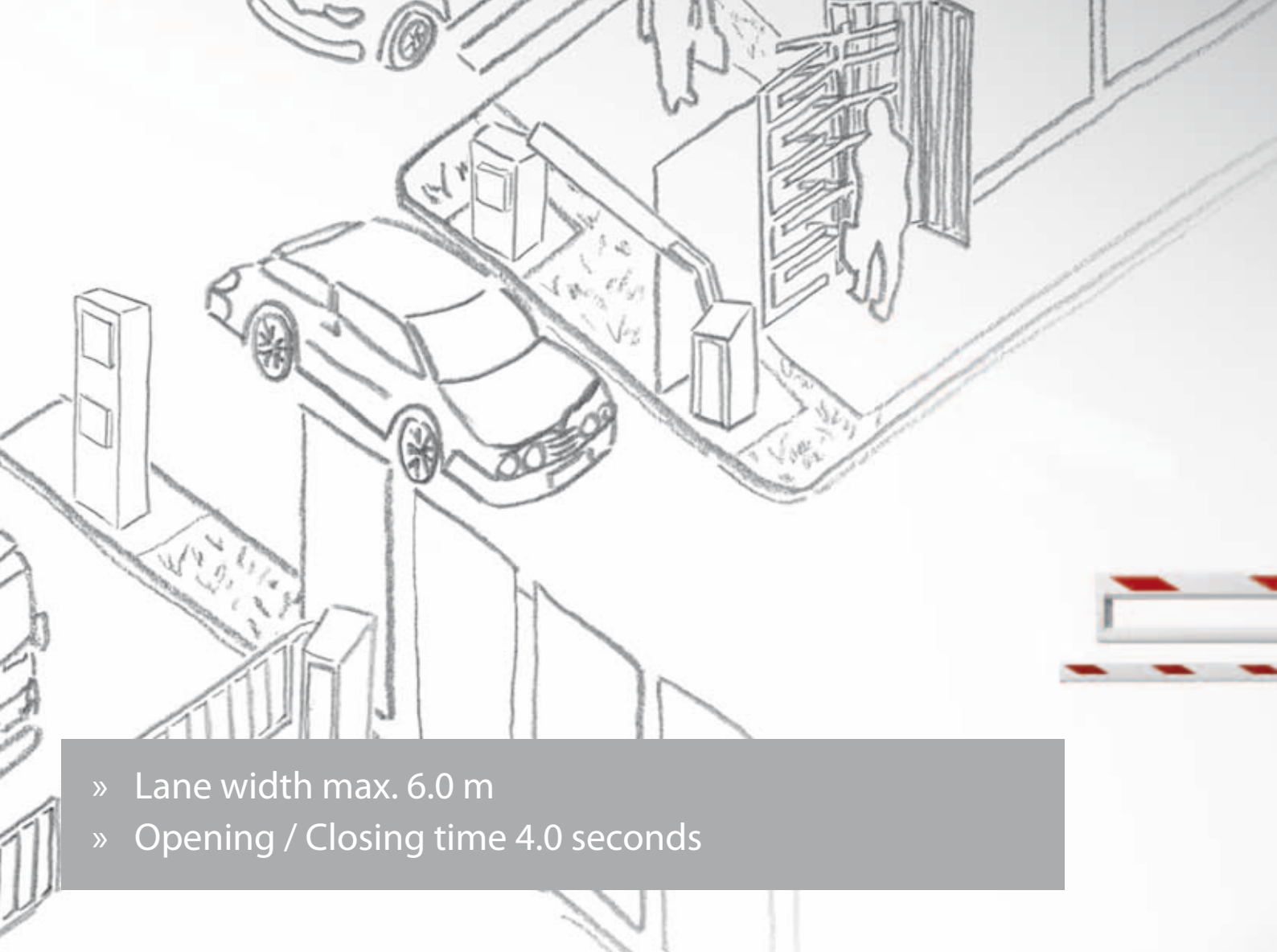
The Magnetic.Access Select barriers have the same characteristics as the Pro models while offering completely individual possibilities. We are pleased to assist you in fulfilling your special requests.

Magnetic.Access Select barriers are available in completely customizable color combinations. They contain the complete operator, the control unit MGC Pro, an integrated 2-channel loop detector module as well as the barrier boom VarioBoom.

For more information, please see the technical data on page 14.



For more information about available accessories please go to page 24.



- » Lane width max. 6.0 m
- » Opening / Closing time 4.0 seconds

Magnetic.Access-L

Magnetic.Access-L barriers were designed for vehicle access with lane widths between 3.5 m and 5.0 m.

The Magnetic.Access-L models contain the complete operator, the MGC control unit, an integrated 2-channel loop detector module, the barrier boom VarioBoom as well as a drive system adapted to the greater boom length. The barriers are delivered in standard color definition: housing in orange, doors in anthracite.

Magnetic.Access Pro-L

Magnetic.Access Pro-L barriers are available in three color combinations. They contain the complete operator, the MGC Pro control unit, an integrated 2-channel loop detector module as well as the barrier boom VarioBoom.

Magnetic.Access Pro-L models contain the same components as the Magnetic.Access Pro barriers with a drive system adapted to the greater boom length.



Access applications

Magnetic.Access-L

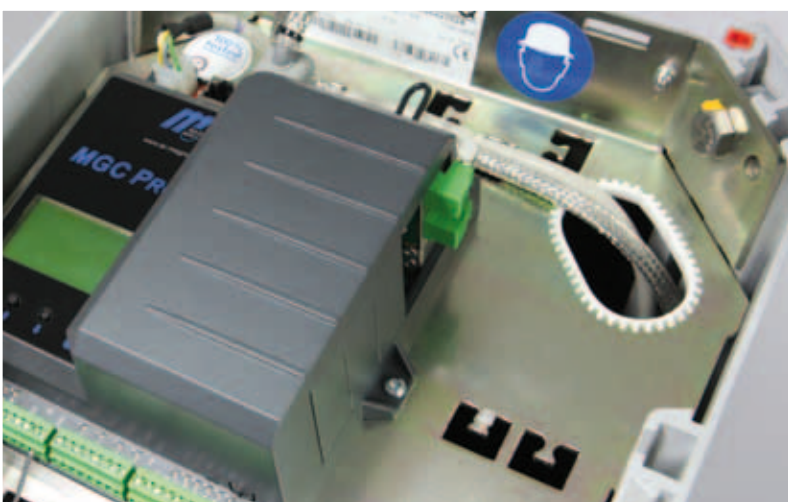


Magnetic.Access Select-L

The Magnetic.Access Select-L barriers have the same characteristics as the Pro models while offering completely individual possibilities. We are pleased to assist you in fulfilling your special requests.

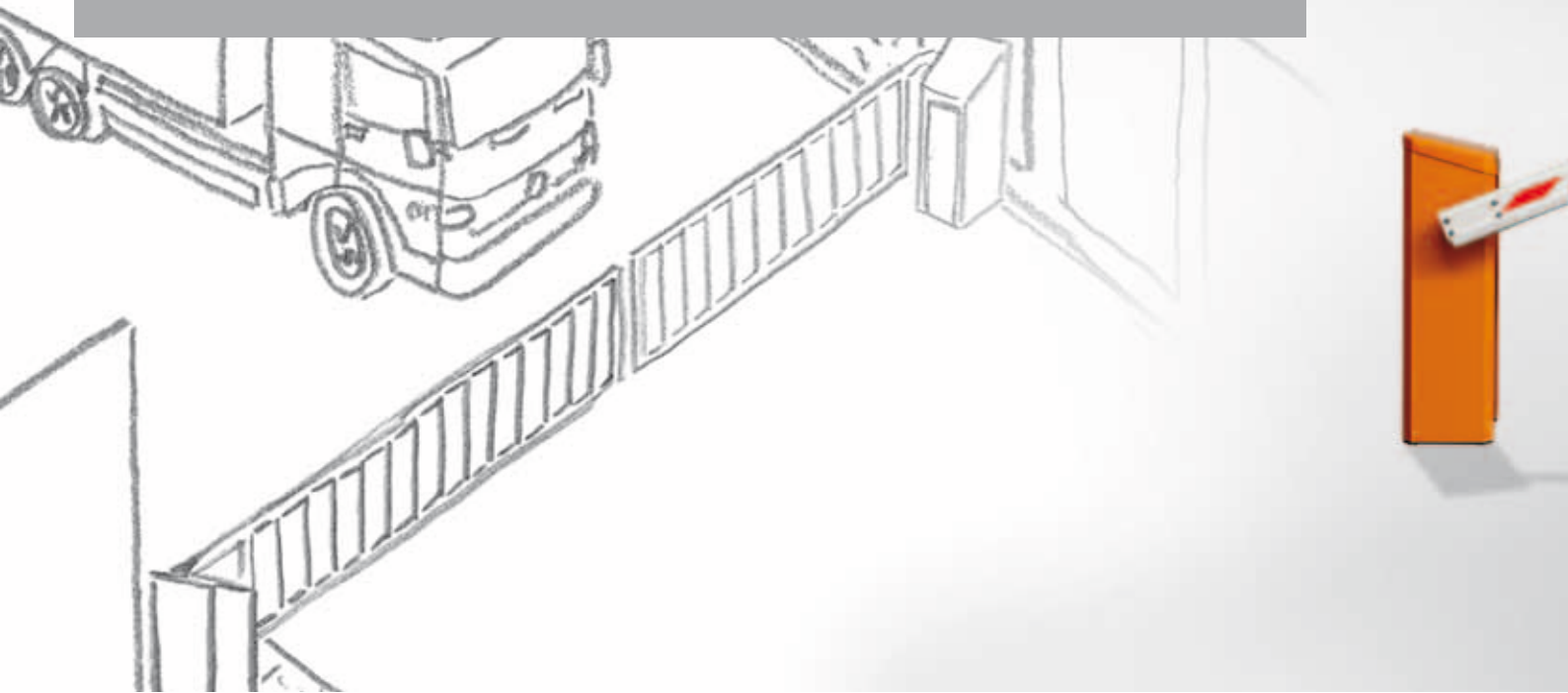
Magnetic.Access Select-L barriers are available in completely customizable color combinations. They contain the complete operator, the MGC Pro control unit, an integrated 2-channel loop detector module, the barrier boom VarioBoom plus a drive system adapted to the greater boom length.

For more information, please see the technical data on page 15.



For more information about available accessories please go to page 24.

- » Lane width max. 10.0 m
- » Tall housing with straight barrier boom
- » Safe control unit MGC Pro in compliance with EN 13849
- » Opening / closing times as of 4.0 sec
- » Usage with boom skirt (optional)
- » Comprehensive accessories



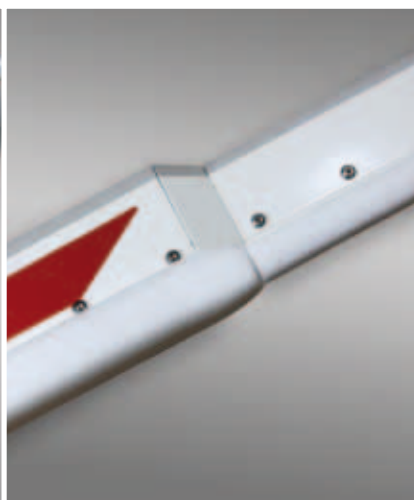
Magnetic.Access Pro-H

The Magnetic.Access Pro-H model is specially designed for access applications with a boom skirt. Magnetic.Access Pro-H models contain the same components as Magnetic.Access Pro-L barriers but the housing is adjusted in height and it comes with a MicroBoom (straight boom) instead of a VarioBoom.

Magnetic.Access XL

Magnetic.Access XL barriers were developed for lane widths up to 8.5m. The barrier comes with an inner support frame that guarantees a very high stability.

Magnetic.Access XL barriers contain the complete operator with a MicroBoom XL barrier boom, a MGC Pro control unit and an integrated 2-channel loop detector module. The functionality of the barrier can be easily extended via pluggable modules (optional).



Access applications for industrial surroundings

Magnetic.Access Pro-H, XL, XXL



Magnetic.Access XXL

Magnetic.Access XXL barriers were designed for access applications with lane widths up to 10.0 m. The barrier comes with an inner support frame that guarantees a very high stability. Compared to the XL model, the XXL barrier comes with an expanded housing which allows the integration of additional components.

Magnetic.Access XXL barriers contain the complete operator with a MicroBoom XL barrier boom, a MGC Pro control unit and an integrated 2-channel loop detector module. The functionality of the barrier can be easily extended via pluggable modules (optional).

*For more information, please see
the technical data on page 16.*



*For more information about
available accessories
please go to page 24.*



- » Specifically designed for high traffic parking applications
- » Opening / closing times as of 1.3 sec
- » High functionality
- » Only 35 W power consumption (Magnetic.Parking)
- » Safe control unit in compliance with EN 13849
- » 10 Mio. opening and closing movements

Magnetic.Parking

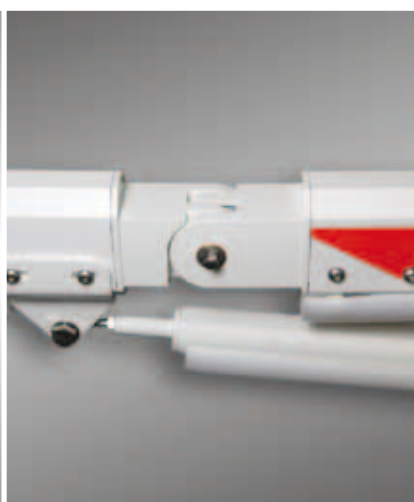
Magnetic.Parking barriers are complete but cost-oriented solutions for vehicle access control to parking applications. The fast opening and closing times of 1.8 sec allow for speedy passing. In addition to the award-winning design, these barriers impress with high functionality which meets almost all requirements. They are delivered in standard color definition: housing in orange, doors in anthracite.

The Magnetic.Parking model contains the complete operator, the MGC control unit, an integrated 2-channel loop detector module as well as the barrier boom VarioBoom.

Magnetic.Parking Pro

The Magnetic.Parking Pro barriers offer even faster opening times (as of 1.3 sec) and are thus best suited for usage in high traffic sites. Compared to Magnetic.Access barriers, the pro models offer even more functionality, additional extensibility through plug-in modules and exclusive accessories.

Magnetic.Access Pro barriers are available in three color combinations. They contain the complete barrier, the MGC Pro control unit, an integrated 2-channel loop detector module as well as the barrier boom VarioBoom.



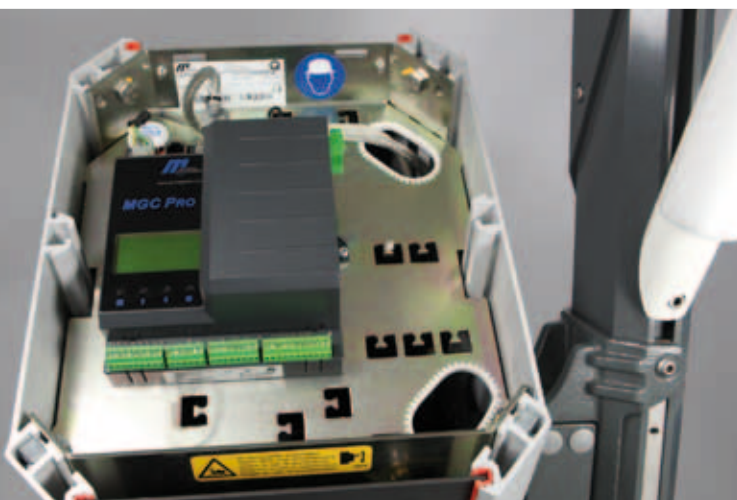


Magnetic.Parking Select

The Magnetic.Parking Select barriers have the same characteristics as the Pro models while offering completely individual possibilities. We are pleased to assist you in fulfilling your special requests.

Magnetic.Parking Select barriers are available in completely customizable color combinations. They contain the complete operator, the MGC Pro control unit, an integrated 2-channel loop detector module as well as the barrier boom VarioBoom.

For more information, please see the technical data on page 17.



For more information about available accessories please go to page 24.

- » Designed for toll applications (toll road, bridge, tunnel)
- » Tall housing with roundboom
- » Safe control unit in compliance with EN 13849
- » Only 55 W power consumption (Magnetic.Toll)
- » Opening times as of 0.6 sec
- » 10 Mio. opening and closing movements



Magnetic.Toll

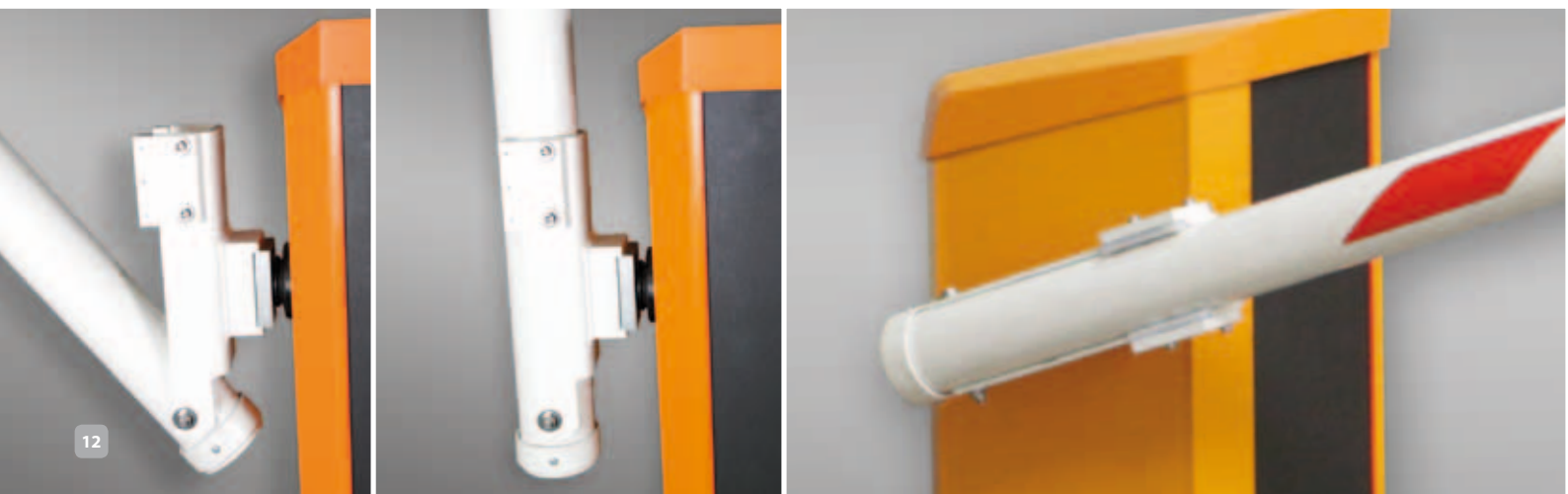
Are you looking for a reliable but favorably priced all around barrier that can be easily integrated in all types of toll applications? Magnetic.Toll is your first choice.

Magnetic.Toll barriers are best-suited for usage in toll stations due to the fast opening times of 1.3 sec, a high reliability and durability as well as comprehensive functionality. These models are available as a package including the control unit MGC or MGC Pro and different barrier boom solutions.

Magnetic.Toll Pro

Are you looking for a reliable barrier for highly frequented toll stations? Magnetic.Toll Pro is the right choice.

Magnetic.Toll Pro barriers offer even faster opening times compared to Magnetic.Toll models and are thus best suited for high traffic sites. These models are available as a package including the control unit MGC or MGC Pro and different barrier boom solutions.





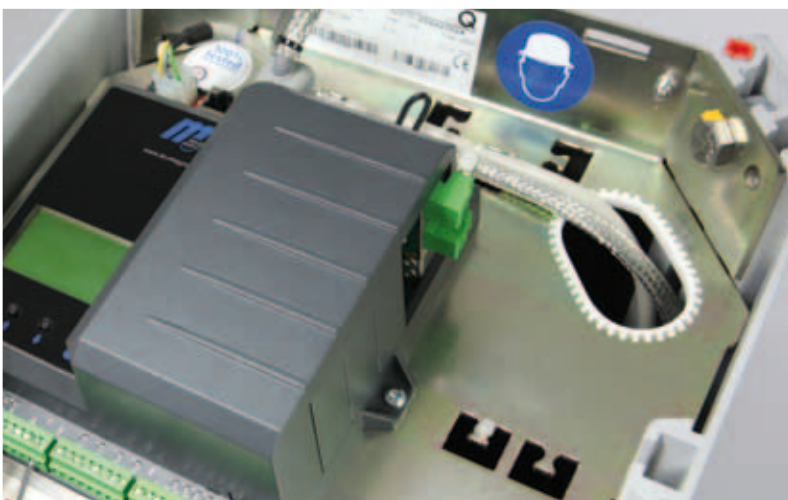
Magnetic.Toll HighSpeed

Are you looking for a toll barrier with extreme opening and closing times for highly frequented toll stations? Magnetic.Toll HighSpeed is the perfect solution.

Magnetic.Toll HighSpeed barriers offer faster opening times than the Pro models and are thus best suited for high traffic sites or surroundings with automatic transponder solutions. The HighSpeed models are available as packages including the control unit MGC or MGC Pro and different barrier boom solutions.

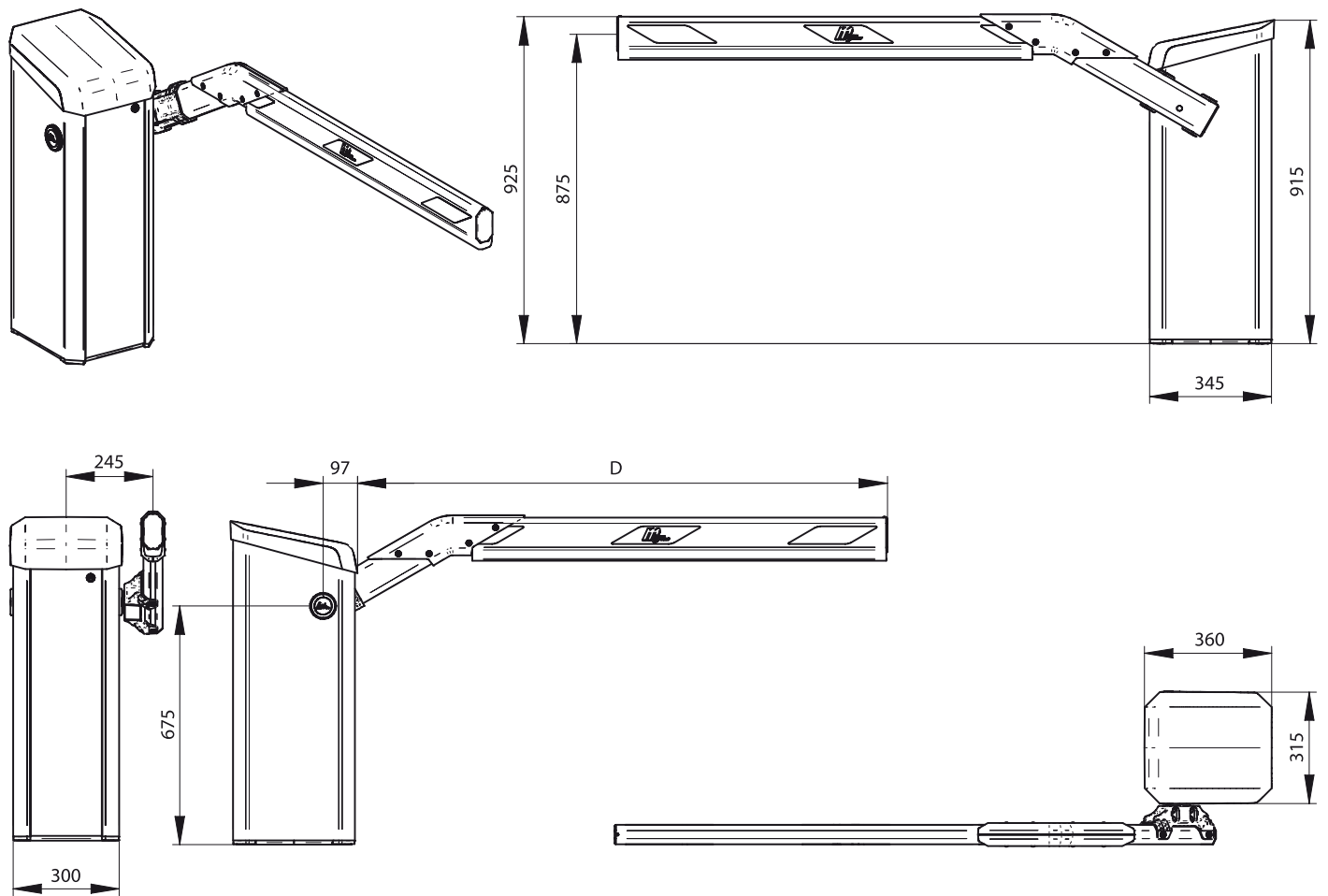
For more information, please see the technical data on page 18.

For more information about available accessories please go to page 24.

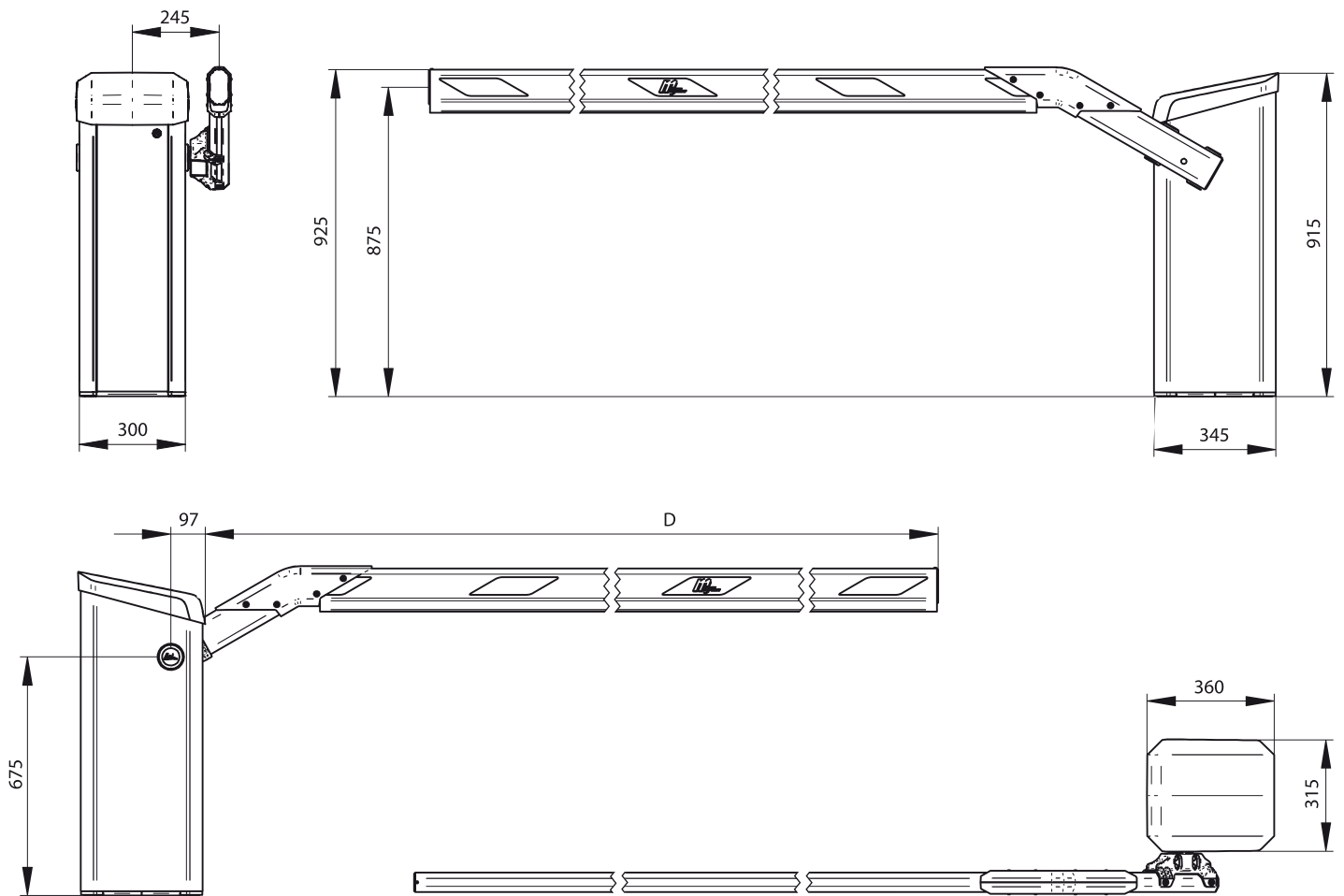


Access applications

Magnetic.Access



Technical Data	Magnetic.Access	Magnetic.Access Pro	Magnetic.Access Select
Lane width max.	3.5 m	3.5 m	3.5 m
Opening / closing time	2.2 s	1.3 s	1.3 s
Power consumption max.	25 W	95 W	95 W
Duty cycle	100%		
Supply voltage	Wide voltage range 85 - 264 V AC (also available as 24V DC version)		
Frequency	50 - 60 Hz		
Housing dimensions (WxDxH)	315 x 360 x 915 mm		
Weight (without boom)	40 kg		
Housing design	Powder-coated aluminium		
Base frame	Powder-coated stainless steel		
Protection class	IP 54		
Compliant with	2004/108/EC, 2006/42/EC, 305/2011, CE, UL 325		
Temperature range	-30 to + 55 °C		

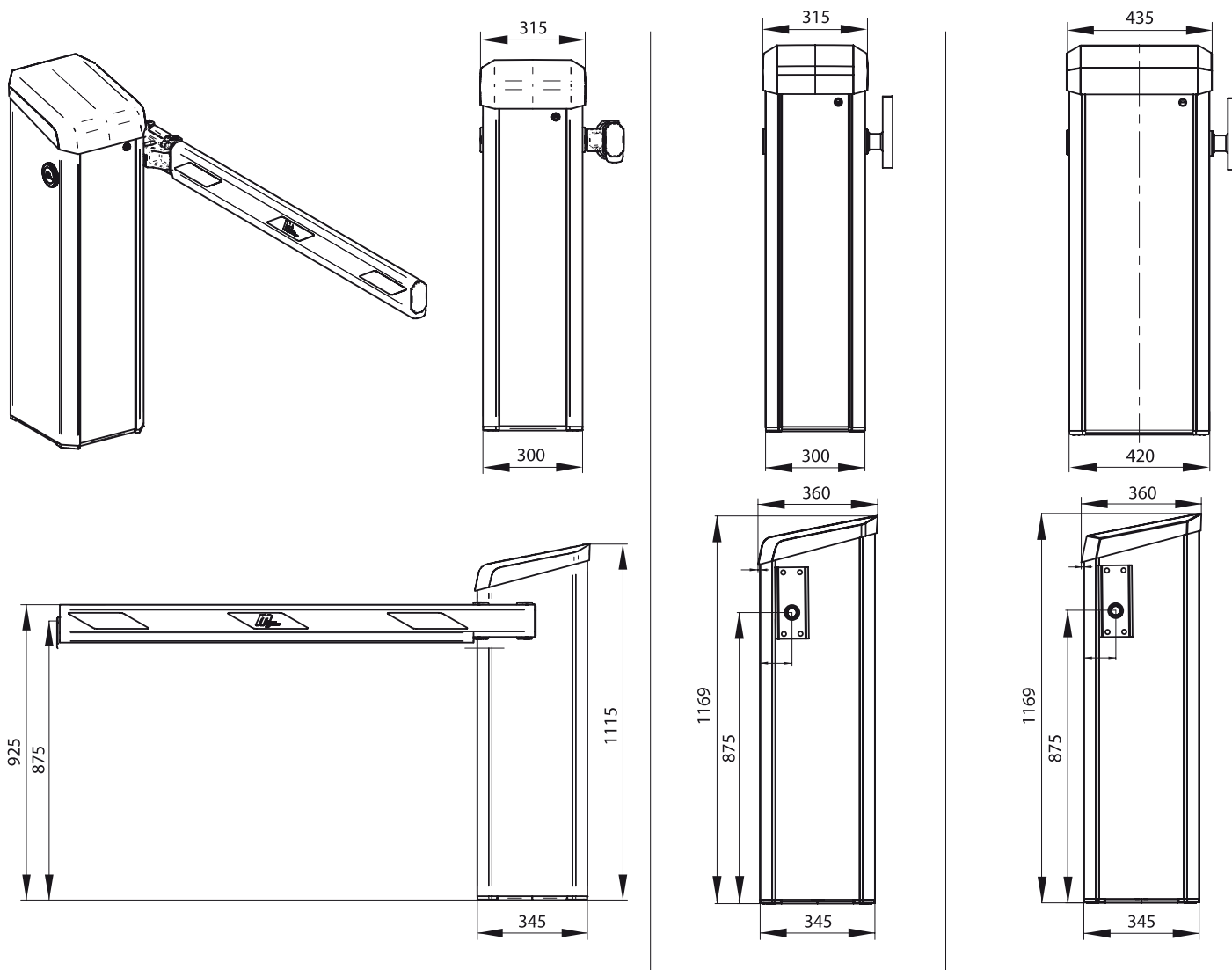


Technical Data	Magnetic.Access-L	Magnetic.Access Pro-L	Magnetic.Access Select-L
Lane width max.	5.0 m	6.0 m	6.0 m
Opening / closing time	4.0 s	4.0 s	4.0 s
Power consumption max.	30 W	25 W	25 W
Duty cycle	100%		
Supply voltage	Wide voltage range 85 - 264 V AC (also available as 24V DC version)		
Frequency	50 - 60 Hz		
Housing dimensions (WxDxH)	315 x 360 x 915 mm		
Weight (without boom)	40 kg		
Housing design	Powder-coated aluminium		
Base frame	Powder-coated stainless steel		
Protection class	IP 54		
Compliant with	2004/108/EC, 2006/42/EC, 305/2011, CE, UL 325		
Temperature range	-30 to + 55 °C		

For more information, please see the according data sheet or visit: www.ac-magnetic.com

Access applications for industry surroundings

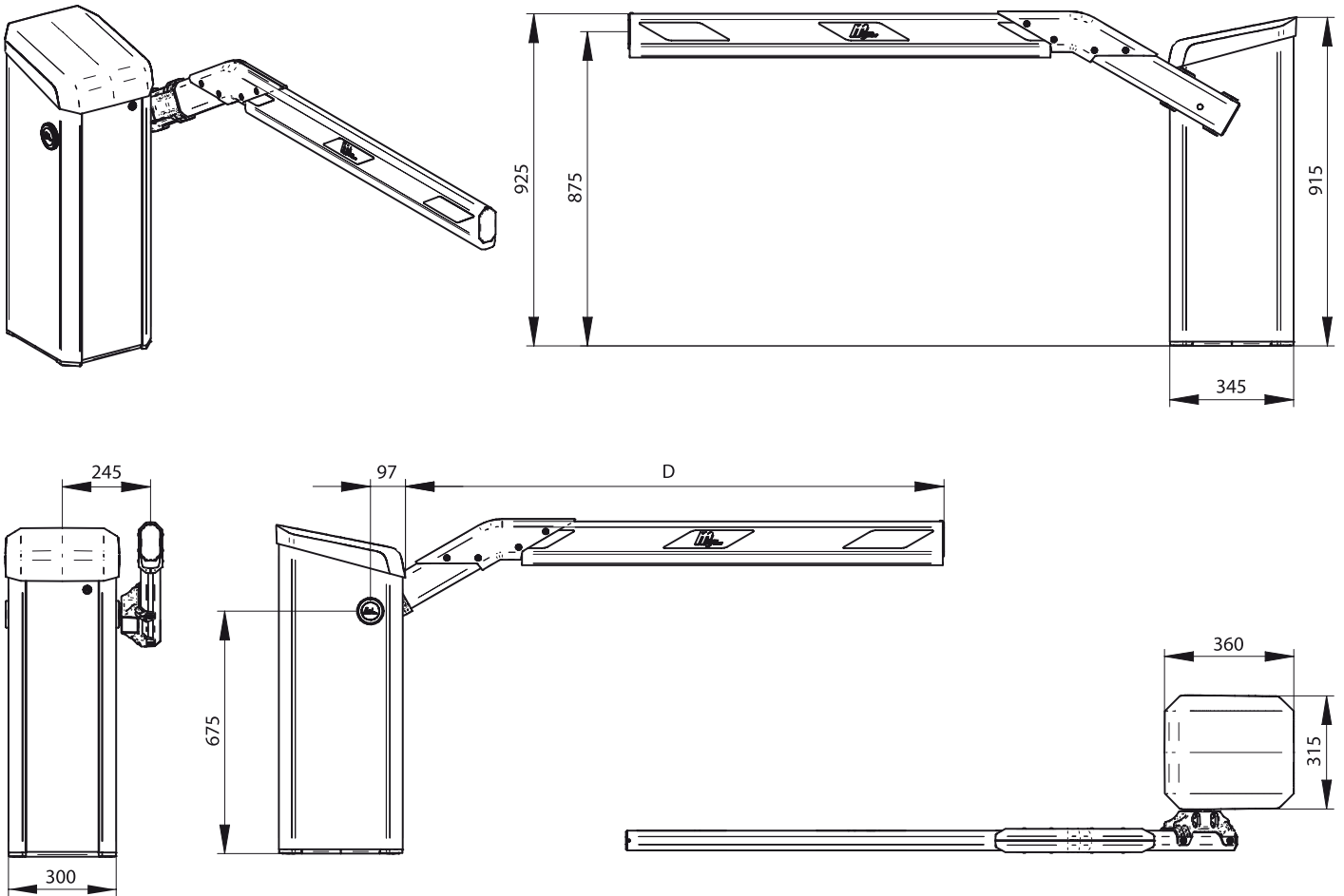
Magnetic.Access Pro-H / XL / XXL



Technical Data	Magnetic.Access Pro-H	Magnetic.Access XL	Magnetic.Access XXL
Lane width max.	6.0 m	8.5 m	10.0 m
Opening / closing time	4.0 s	6.0 s	8.0 s
Power consumption max.	25 W	17 W	30 W
Duty cycle	100%		
Supply voltage	Wide voltage range 85 - 264 V AC (also available as 24V DC version)		
Frequency	50 - 60 Hz		
Drive system	MHTM™ MicroDrive		
Housing dimensions (WxDxH)	315 x 360 x 1115 mm	315 x 360 x 1169 mm	435 x 360 x 1169 mm
Weight (without boom)	44 kg	93 kg	112 kg
Housing design	Powder-coated aluminium		
Base frame	Powder-coated stainless steel	-	
Inner support frame	-	Surface zinc phosphat plus cathodic electrophoresis	
Protection class	IP 54		
Compliant with	2004/108/EC, 2006/42/EC, 305/2011, CE, UL 325		
Temperature range	-30 to + 55 °C		

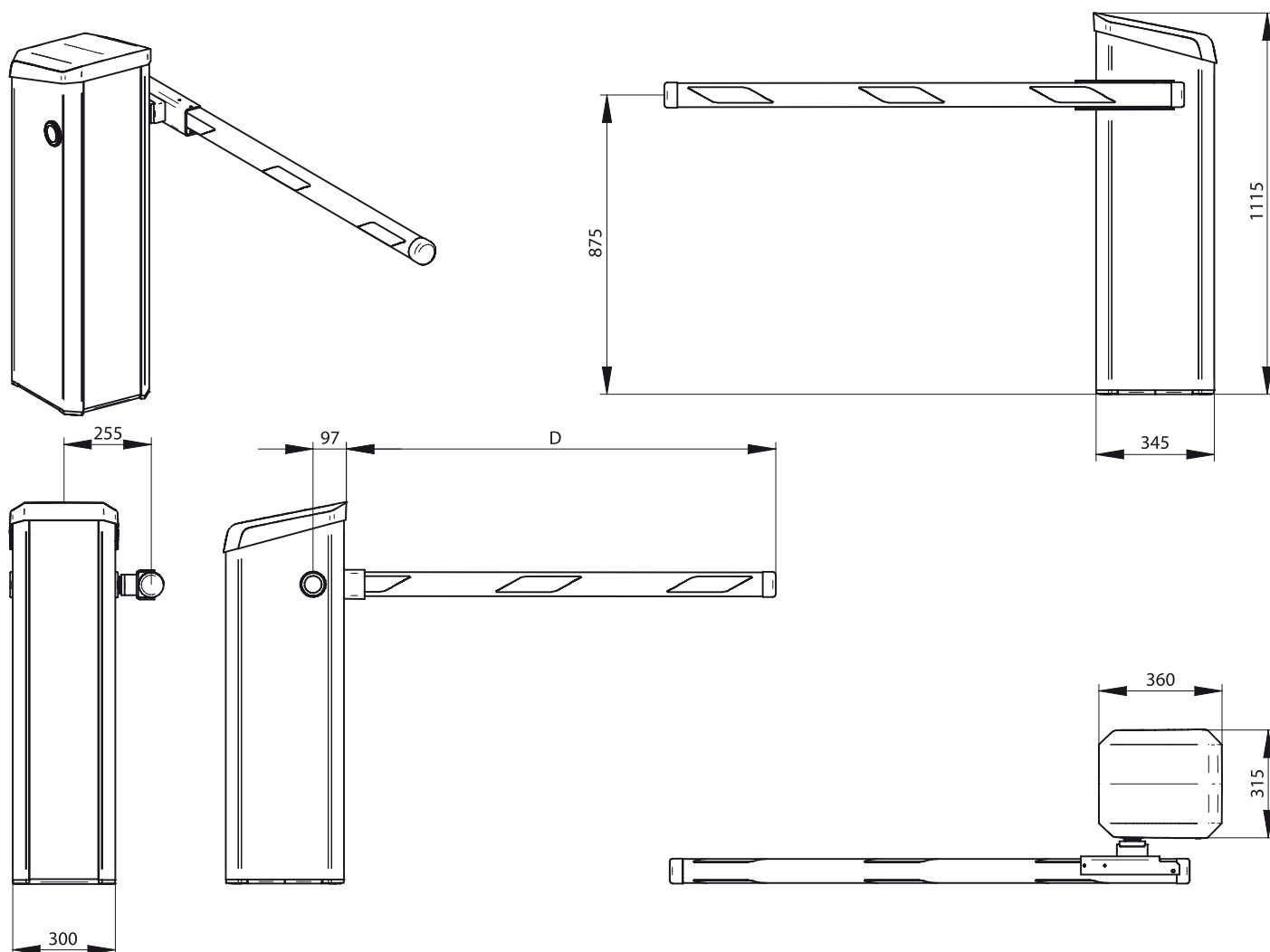
Parking applications

Magnetic.Parking



Technical Data	Magnetic.Parking	Magnetic.Parking Pro	Magnetic.Parking Select
Lane width max.	3.5 m	3.5 m	3.5 m
Opening / closing time	1.8 s	1.3 s	1.3 s
Power consumption max.	35 W	95 W	95 W
Duty cycle	100%		
Supply voltage	Wide voltage range 85 - 264 V AC (also available as 24V DC version)		
Frequency	50 - 60 Hz		
Drive system	MHTM™ MicroDrive		
Housing dimensions (WxDxH)	315 x 360 x 915 mm		
Weight (without boom)	40 kg		
Housing design	Powder-coated aluminium		
Base frame	Powder-coated stainless steel		
Protection class	IP 54		
Compliant with	2004/108/EC, 2006/42/EC, 305/2011, CE, UL 325		
Temperature range	-30 to + 55 °C		

For more information, please see the according data sheet or visit: www.ac-magnetic.com



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 (also available as 24V DC version)		
Frequency	50 - 60 Hz		
Drive system	MHTM™ MicroDrive		
Housing dimensions (WxDxH)	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/EC, 2006/42/EC, 305/2011, CE, UL 325		2004/108/EC, 2006/42/EC, CE
Temperature range	-30 to + 55 °C		

For more information, please see the according data sheet or visit: www.ac-magnetic.com

Standard color definitions

Doors / Front and Back



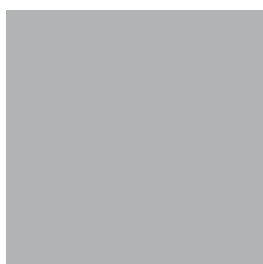
Color description	Anthracite (similar to RAL 7021)
Processing type	Powder-coating
Standard color for	All front and back doors of MHTM™ MicroDrive barriers and Terminal control columns
Note	The color of the telescopically mounted front panel of the control columns is generally anthracite (similar to RAL 7021).

Standard color definitions

Barriers / Control columns



Color description	ORANGE (RAL 2000)
Processing type	Powder-coating
Standard color for	All MHTM™ MicroDrive barriers and Terminal control columns
Standard color doors (front and back)	See page 19



Color description	White aluminium (similar to RAL 9006)
Processing type	Powder-coating
Standard color for	All MHTM™ Microdrive Pro and Select models and Terminal control column
Standard color doors (front and back)	See page 19



Color description	Grey aluminium (similar to RAL 9007)
Processing type	Powder-coating
Standard color for	All MHTM™ Microdrive Pro and Select models and Terminal control column
Standard color doors (front and back)	See page 19

Standard color definitions

Examples (similar to photo)





Magnetic.Access barrier in combination with a control column Terminal controls vehicles entering Mueritz National Park.



Magnetic.Access-H barriers on concrete columns for access control of trucks in New York City (USA).

Application Examples



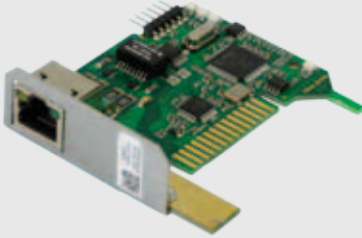
Magnetic Parking barriers as vehicle sluice at Fort-de-France airport (Martinique).



MHTM™ MicroDrive with LED illumination strips (LEDS11).

Ethernet

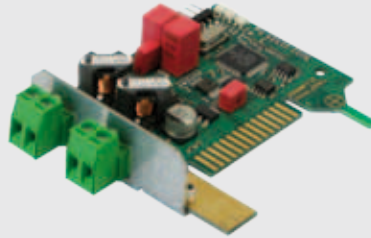
MGC Control Module



A AP AS AL APL ASL APH XL
XXL P PP PS T TP THS

2-channel loop detector

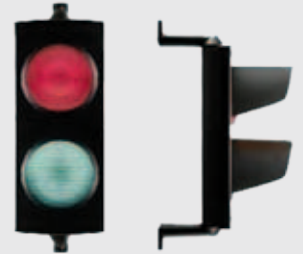
MGC Control Module



A AP AS AL APL ASL APH XL
XXL P PP PS T TP THS

Traffic signal head

MHTM™ MicroDrive accessories



A AP AS AL APL ASL APH XL
XXL P PP PS T TP THS

RS-485 Module

MGC Control Module



A AP AS AL APL ASL APH XL
XXL P PP PS T TP THS

Transmitter

MHTM™ MicroDrive accessories



A AP AS AL APL ASL APH XL
XXL P PP PS T TP THS

Service module

MHTM™ MicroDrive accessories



A AP AS AL APL ASL APH XL
XXL P PP PS T TP THS

Radio module FM 433 MHz

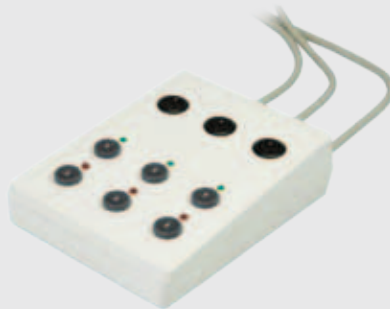
MGC Control Module



A AP AS AL APL ASL APH XL
XXL P PP PS T TP THS

Desk panels

MHTM™ MicroDrive accessories



A AP AS AL APL ASL APH XL
XXL P PP PS T TP THS

GSM Module

MHTM™ MicroDrive accessories



A AP AS AL APL ASL APH XL
XXL P PP PS T TP THS

Boom locking

Accessories for the barrier boom



- A
- AP
- AS
- AL
- APL
- ASL
- APH
- XL
- XXL
- P
- PP
- PS
- T
- TP
- THS

Battery Backup

MHTM™ MicroDrive accessories



- A
- AP
- AS
- AL
- APL
- ASL
- APH
- XL
- XXL
- P
- PP
- PS
- T
- TP
- THS

Swing-Away flange

Accessories for the barrier boom



- A
- AP
- AS
- AL
- APL
- ASL
- APH
- XL
- XXL
- P
- PP
- PS
- T
- TP
- THS

LED illumination strips

Accessories for the barrier boom



- A
- AP
- AS
- AL
- APL
- ASL
- APH
- XL
- XXL
- P
- PP
- PS
- T
- TP
- THS

Extension Set VarioBoom

Accessories for the barrier boom



- A
- AP
- AS
- AL
- APL
- ASL
- APH
- XL
- XXL
- P
- PP
- PS
- T
- TP
- THS

Auto-Swing-Away flange

Accessories for the barrier boom



- A
- AP
- AS
- AL
- APL
- ASL
- APH
- XL
- .XXL
- P
- PP
- PS
- T
- TP
- THS

Boom lighting

Accessories for the barrier boom



- A
- AP
- AS
- AL
- APL
- ASL
- APH
- XL
- XXL
- P
- PP
- PS
- T
- TP
- THS

Break-away flange

Accessories for the barrier boom



- A
- AP
- AS
- AL
- APL
- ASL
- APH
- XL
- XXL
- P
- PP
- PS
- T
- TP
- THS

Boom contact

Accessories for the barrier boom



- A
- AP
- AS
- AL
- APL
- ASL
- APH
- XL
- XXL
- P
- PP
- PS
- T
- TP
- THS

For more information, please see the according data sheet or visit: www.ac-magnetic.com

Hood lights

MHTM™ MicroDrive accessories



A AP AS AL APL ASL APH XL
XXL P PP PS T TP THS

Articulated boom

Accessories for the barrier boom



A AP AS AL APL ASL APH XL
XXL P PP PS T TP THS

Boom skirt

Accessories for the barrier boom



A AP AS AL APL ASL APH XL
XXL P PP PS T TP THS

Light barrier

MHTM™ MicroDrive accessories



A AP AS AL APL ASL APH XL
XXL P PP PS T TP THS

Pendulum support

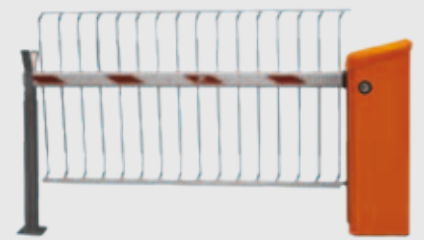
Accessories for the barrier boom



A AP AS AL APL ASL APH XL
XXL P PP PS T TP THS

Boom skirt with anti-climb protection

Accessories for the barrier boom



A AP AS AL APL ASL APH XL
XXL P PP PS T TP THS

Switches

MHTM™ MicroDrive accessories



A AP AS AL APL ASL APH XL
XXL P PP PS T TP THS

Support post

Accessories for the barrier boom



A AP AS AL APL ASL APH XL
XXL P PP PS T TP THS

Control column Terminal

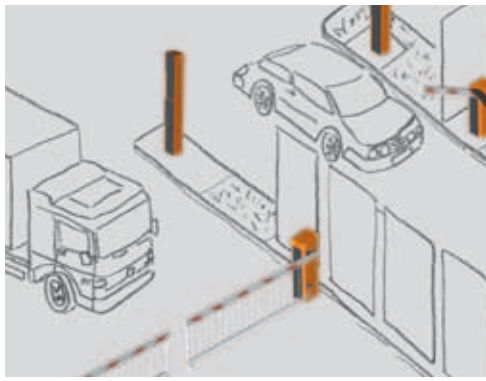
MHTM™ MicroDrive accessories



A AP AS AL APL ASL APH XL
XXL P PP PS T TP THS

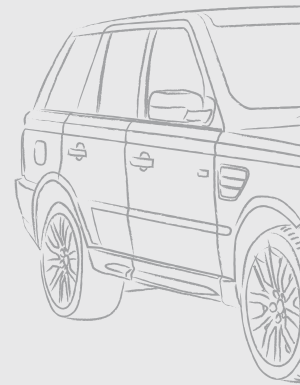
For more information, please see the according data sheet or visit: www.ac-magnetic.com

Accessories



	Access	Access Pro	Access Select	Access-L	Access Pro-L	Access Select-L	Access Pro-H	Access XL	Access XXL	Parking	Parking Pro	Parking Select	Toll	Toll Pro	Toll HighSpeed
Lane width up to 3.5m (Toll 3.0 m)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Lane width up to 5.0 m	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Lane width up to 6.0 m	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Lane width up to 8.5 m	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Lane width up to 10.0 m	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Usage with boom skirt	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Variable I/O assignment	■	■	■	■	■	■	■	■	■	■	■	■	■*	■*	■*
Fast opening speeds (<2.2 sec)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Variable opening times	■	■	■	■	■	■	■	■	■	■	■	■	■*	■*	■*
Variable closing times	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Network connection*	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Integration of interfaces in the future	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Low ceiling height (articulated boom)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Parallel operation	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Advertising space in barrier boom*	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Usage with pedestrian traffic	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
One standard color	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Three color definitions as standard	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Special colors possible	■	■	■**	■	■	■**	■	■	■	■	■	■**	■	■	■

* Optional
** standard



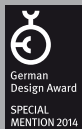
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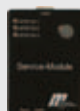


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MHTM™ MicroDrive

