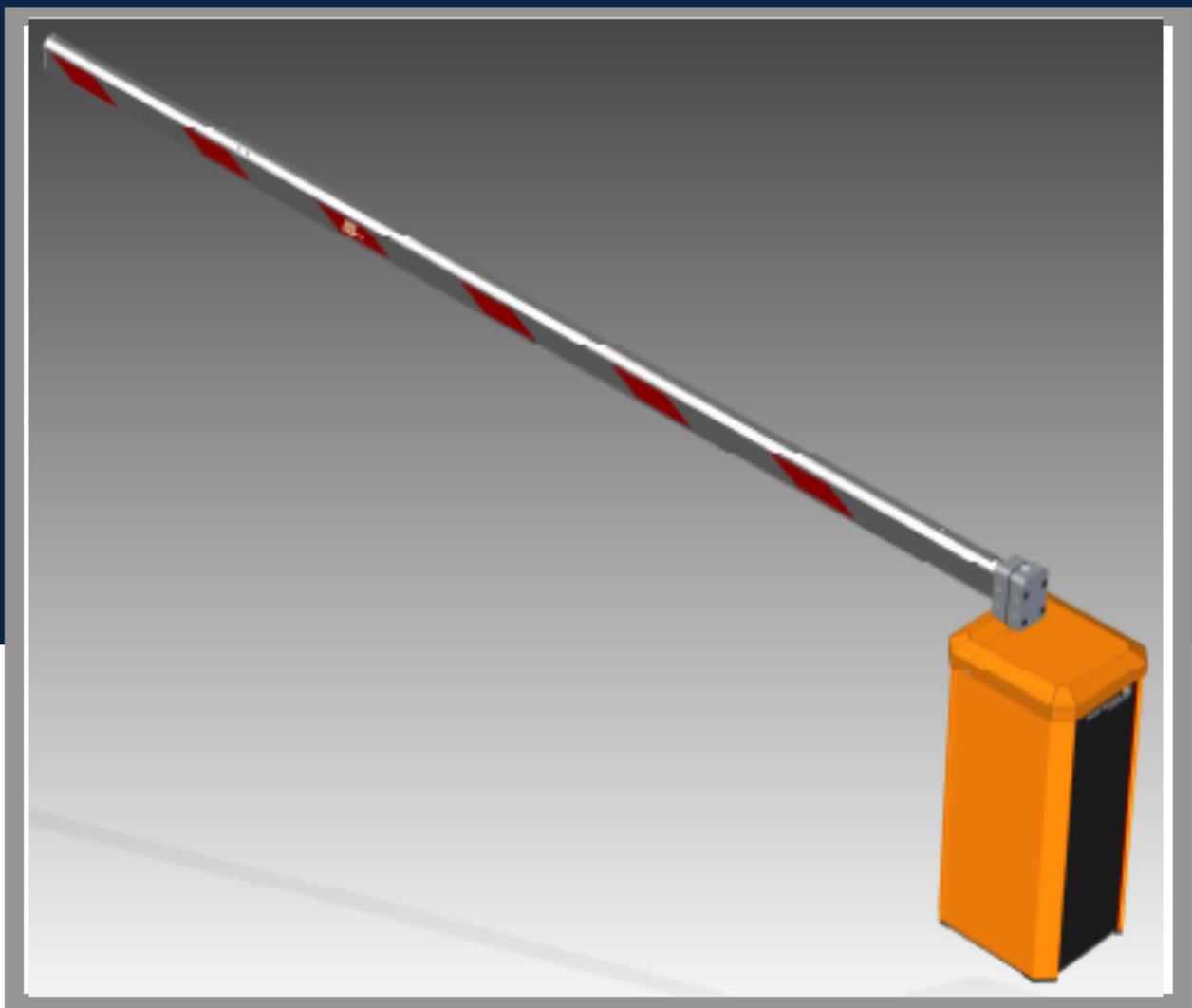


Horizontal Rotating Barrier MicroDrive Traffic





Horizontal Rotating Barrier MicroDrive Traffic

For demanding security tasks

As a horizontal barrier, the **Traffic H1** is a specialist in vehicle and passenger management. It is not only used for tunnels and road closures. It shows its full potential when it comes to intersections where traffic is to be blocked alternately in the longitudinal and in the transverse direction. Not only is it the ideal solution for road traffic, but also for securing the material flows in production plants. With its patented folding boom, the Traffic H1 can even close off crossings where the ratio of track widths in longitudinal and transverse direction is greater than 2:1. The centrepiece of the Traffic H1 is the innovative MHTM™drive, which is characterised by its energy efficiency, minimum maintenance and long service life. The Traffic H1 is designed for 10 million opening and closing cycles.

Horizontal rotation

The Traffic H1 can also be used as a horizontal barrier for low room heights. The swivel operation also enables the alternating blocking of crossings in longitudinal and transverse direction.

Innovative drive technology

The MHTM™drive unit operates maintenance-free, energy-efficiently and quietly. The high torque ensures the best possible operation even under extreme weather conditions.

Legal certainty

A conformity declaration in accordance with the machinery guideline is available for the horizontal barriers. This ensures that operators and commissioning personnel are always on the safe side when it comes to liability issues.

Easily accessible components

One hand is all it takes: The control unit and drive unit can be easily accessed by removing the cover and front panel. This increases the operating comfort and speeds up commissioning and service.

Three standard colours are available:

orange (RAL 2000)

white aluminium (RAL 9006)

grey aluminium (RAL 9007)

On request, the TERMINAL free-standing housings are available in all RAL colours at an extra charge.

Horizontal Rotating Barrier MicroDrive Traffic

Attributes:

- high functionality for various special applications
- patented folding boom for securing crossings with different lane widths indoors
- low power consumption for efficient operation
- optimal accessibility for easy maintenance
- timeless, elegant design
- numerous options possible

Used for authentication at automated entrances and approaches, especially in areas requiring control and protection:

- authority facilities
- industrial plants and power plants
- military facilities
- supply facilities
- airports (operating areas)
- commercial properties
- parking space management

Technical specifications	H1LE with standard boom	H1LE with folding boom	H1SE
Blocking width	max. 6.0 m	max. 4.5 m	max. 3.5 m
Opening/closing time	4.0 seconds	4.0 seconds	4.0 seconds
Power consumption	max. 45 W	max. 45 W	max. 45 W
Drive technology	MHTM™	MHTM™	MHTM™
Voltage	85–264 VAC, 50/60 Hz	85–264 VAC, 50/60 Hz	85–264 VAC, 50/60 Hz
Duty cycle	100%	100%	100%
Housing dimensions (WxDxH) without guy wires	315 x 360 x 940 mm	–	315 x 360 x 940 mm
Housing dimensions (WxDxH) with guy wires	315 x 360 x 1355 mm	315 x 360 x 1355 mm	–
Class of protection	IP 54	IP 54	IP 54
Temperature range	–30 to +55 °C	–30 to +55 °C	–30 to +55 °C
Weight without boom	55 kg	55 kg	55 kg
Maximum approved wind load class EN 12424	1, 80 km/h; 22 m/s	1, 80 km/h; 22 m/s	3, 122 km/h; 34 m/s



Horizontal Rotating Barrier MicroDrive Traffic

Equipment features	H1LE with standard boom	H1LE with folding boom	H1SE
Standard colours	RAL 2000	RAL 2000	RAL 2000
Barrier boom	MicroBoom-H1	MicroBoom-F1	MicroBoom-H1
Control	MGC Pro	MGC Pro	MGC Pro
Integrated 2-channel detector for induction loops	Standard	Standard	Standard
Control system modularly expandable	freely expandable	freely expandable	freely expandable
Variable I/O configuration	Standard	Standard	Standard
Number of digital inputs	8	8	8
Number of relays/ digital outputs	6/4	6/4	6/4
Safety light barrier input with test	Standard	Standard	Standard
Opening speed selectable	Standard	Standard	Standard
Closing speed selectable	Standard	Standard	Standard

Options	H1LE	H1SE
Special colours	✓	✓
Folding boom	✓	
Hood lights	✓	
Key switch	✓	✓
Wireless module	✓	✓
Ethernet module	✓	✓
RS485-module	✓	✓
CAN-module	✓	✓
Electronic end position locking	✓	✓
Laser scanner	✓	✓

Horizontal Rotating Barrier MicroDrive Traffic

device. In public areas, only the slow-running TRAFFIC H1L horizontal barriers may be used at the slowest speed in order not to exceed the permissible impact forces. The barrier may only be closed against flowing traffic. Closing the barrier with the flowing traffic is prohibited. Exceptions are facilities with changing intersections in industrial areas.

Permissible use:

Closing the barrier against the traffic

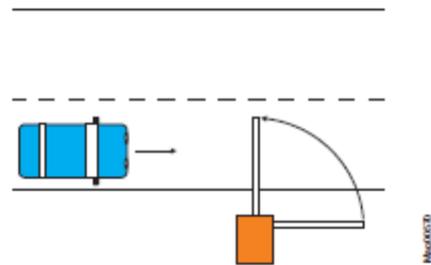


Abb. 1: Schließen der Schranke gegen den Verkehr

Prohibited:

Closing the barrier with the flowing traffic

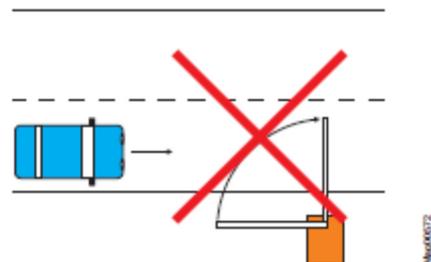


Abb. 2: Schließen der Schranke mit dem Verkehr

Folding boom in industrial plants

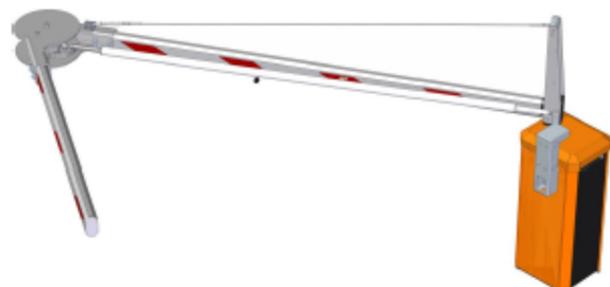
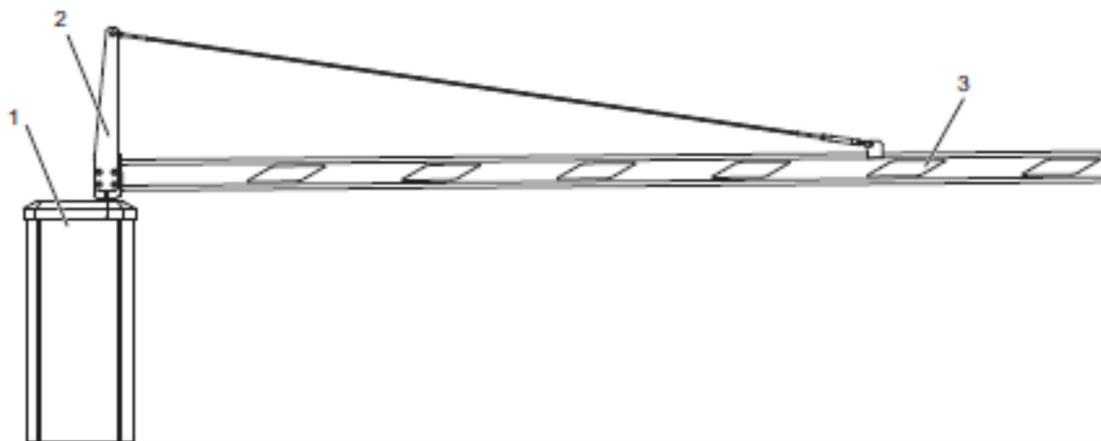


Abb. 3: Faltsbaum

Before lanes are closed, traffic must be stopped by suitable signalisation (traffic lights) in front of the barrier.

Horizontal Rotating Barrier MicroDrive Traffic

Construction



1 Barrier housing

2 guying (accessory), required from 3.5 m

3 barrier boom

How it functions

The barrier consists of a barrier housing with drive system and a barrier boom. The drive system comprises an electric motor, a control unit and the lever system. The lever system locks the barrier boom in both end positions. In the event of a power failure, the barrier boom can be effortlessly moved by hand. Sensors integrated in the motor provide accurate data on each visible position of the barrier boom and are used by the control unit to control the optimal acceleration and braking. Safety devices such as induction loops or safety scanners must always be installed. With the help of the safety devices, it must be ensured that no persons, animals, vehicles or objects are touched by the moving barrier boom.



Horizontal Rotating Barrier MicroDrive Traffic

