

mWing

Pedestrian passageway with wing gates



The elegant access solution for secured areas

Demanding architecture with high security requirements poses a huge challenge – especially for access controls. We have developed the mWing pedestrian passageway for these applications. Thanks to its extra slimline silhouette, it not only fits seamlessly into your environment but also delivers a decisive level of additional security due to its high doors, mechanical locking and comprehensive monitoring of the access area.

The mWing is also perfectly equipped to meet the requirements of the user. Extremely short opening times – which are speeded up further by the preset travel function – and the possibility of open-gate operation make the tiresome exercise of compulsory access controls a minor detail that is completed in passing. This alone means that the mWing increases user acceptance and thus also significantly improves security in the building. The lighting options and the warm, pleasant housing made of mDure® prepare a friendly welcome for visitors and guide them reliably into the building.



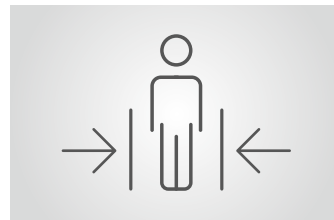
Unobstructed escape routes

FlowMotion® gates provide free passage if there is a power outage or alarm signal. They automatically resume operation when the alarm is over or power has been restored.



Large visitor numbers

It makes sense to use several parallel lines if large numbers of visitor authorizations need confirmation within a very short time. All FlowMotion® pedestrian gates are suitable for the straightforward setting up of multiple applications thanks to their uniform stylistic language and control technology.



Secure access control

Light barriers in the passageway reliably detect people and objects. They enable non-contact throughput and trigger an alarm in the event of unauthorised use.



Rapid installation

Our pedestrian gates are supplied ready for installation. All the selected options have already been installed, and the corresponding parameters preset, before delivery to the point of use. This, and the drilling templates, considerably shorten commissioning times.

ACCESS

AFC

IMMIGRATION

BOARDING

mWing

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- > High visitor throughput thanks to rapid opening times and preset travel function
- > Open-gate mode for extra throughput acceleration
- > For maximum security requirements in monitored and unmonitored areas
- > Low impact forces for maximum personal safety
- > Freely turning on power outages
- > Designed for 10 million opening and closing cycles



| Technical data | mWing |
|--|--|
| Application | Indoor and outdoor |
| Passage width | Standard: 600 mm Wide Lane: 900 mm (more on request) |
| Height of barrier elements | Standard: 888 mm High: 1800 mm (more on request) |
| Opening/closing time | 0.6 – 1 s, depending on barrier element dimensions |
| Flow ratings (number of persons per min.) ¹ | approx. 40 |
| Drive technology | MHTM™ |
| Control system | MGC |
| Voltage | 100–240 V AC, 50/60 Hz |
| Power consumption | Maximum 45 W |
| Duty cycle | 100% |
| Housing material | mDure |
| Housing dimensions (L x W x B) | 1300 x 1050 x 180 mm |
| Enclosure rating | IP 54 |
| Weight | About 120 kg per module |
| Temperature range | –30 to +55 °C |

¹ Depending on reader, lock setting, person behaviour

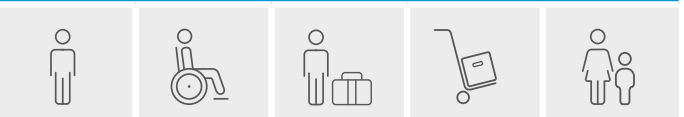
| Features | |
|---|--|
| Direction of passage | Uni- or bi-directional |
| Emergency release | On power outage or closing of alarm contacts |
| Random generator | Integrated in control system |
| Throughput data acquisition and event log | Integrated in control system |
| Control system inputs and outputs | 8 digital inputs, 4 digital outputs, and 6 relay outputs |

Standard colours

| | |
|--|---|
|  |  |
| White aluminium (similar to RAL 9006) | Jet black (similar to RAL 9005) |

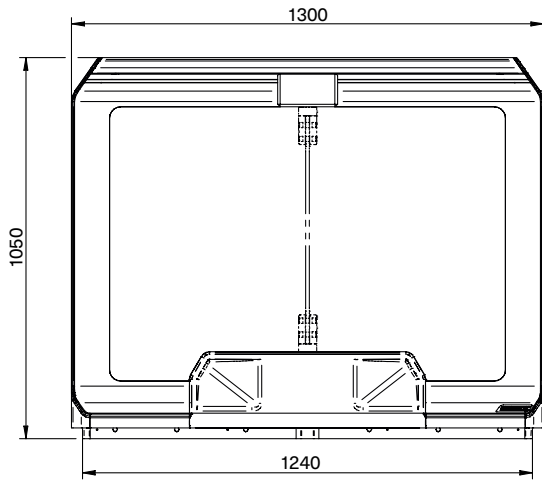
An overview of all special colours and effect coatings is available on page 100.

Potential applications

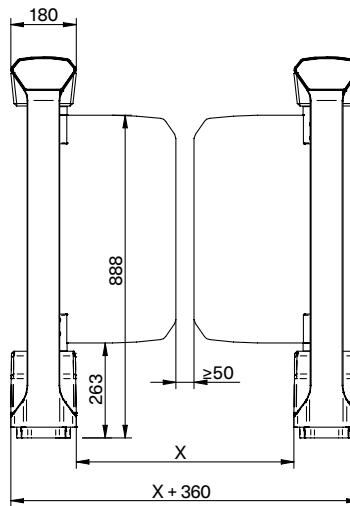


Dimensional drawings

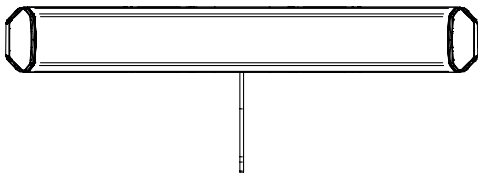
mWing – side view



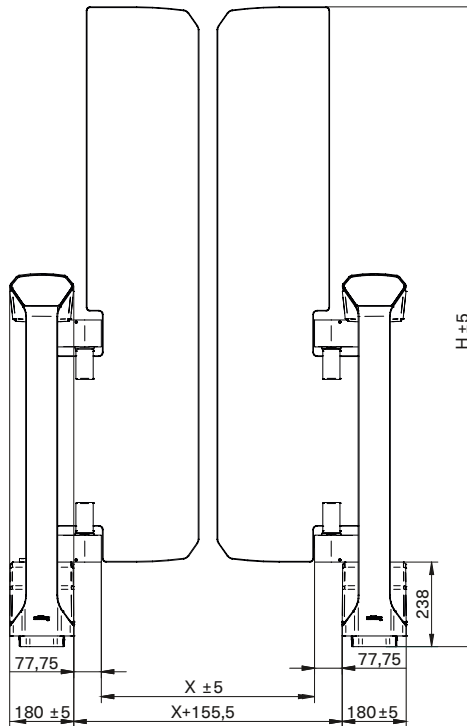
mWing – front view



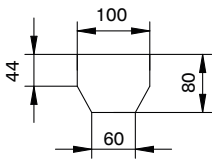
mWing – top view (1 module)



mWing – front view with high glass panel



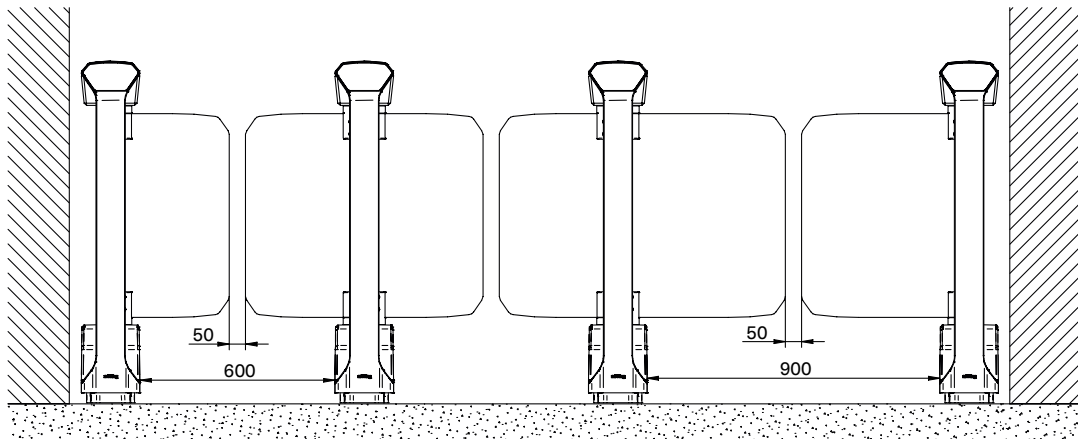
Mounting space for reader devices
(without optional passage indicator, mounting depth 40 mm)



| Passage width | | | | |
|---------------|--------|---------|---------|---------|
| Name | X [mm] | H1 [mm] | H2 [mm] | H3 [mm] |
| Narrow | 520 | 1200 | 1500 | 1800 |
| Standard | 600 | 1200 | 1500 | 1800 |
| Wide | 900 | 1200 | 1500 | 1800 |
| Extra wide | 960 | 1200 | 1500 | 1800 |

Dimension X applies to normal and high doors, H1 to H3 only apply to high doors.

Line configuration of mWing with passage in standard width and with wide passageway



The dimensions shown apply for the standard versions of our products.
The dimensions can vary with different passageway widths and door heights.
Subject to technical modifications.

Access to Progress

Magnetic stands for pioneering products – in every way. Our access control systems for vehicles or pedestrians clear the way for thousands of people every day – at car parks, toll gates, stations, airports and in buildings. Our technology is also pioneering, however: with innovative drives, intelligent control systems and well thought-out details it provides maximum safety and longevity. Are you also on the path to Magnetic?



Vehicle barriers

- Access barriers
- Parking barriers
- Toll barriers
- Special barriers



Pedestrian gates

- Turnstiles
- Swing gates
- Tripod gates
- Retractable gates
- Wing gates



Terminals

- Cars
- Trucks