

Winglock 500



The Winglock 500 belongs to the group of Security Barriers of Boon Edam and offers an optimal security control. This basic security product is suitable for most buildings and matches any surrounding interior because of its neutral stainless steel finishing.

The access control of passage is possible in two directions i.e. bi-directional. The Winglock 500 has a very robust design and consists of

a tubular door wing, with tinted polycarbonate glazing.

The unit offers sufficient space to integrate an access control system and display.

The front panels of the unit are removable and equipped with fastenings, which provide access to the mechanism and electronics for installation and maintenance.

The Winglock 500 can be placed in a sequence to create a multi-passage layout. An additional guide rail with sensor functionality and matching design will close the end of a row of units.

For a more exclusive and custom-made version of the Winglock, Boon Edam offers the Winglock 900.

Winglock 500

Technical Specifications

Capacity

15 passages per minute.
Bi- or single-directional

Material

Entire unit is finished with 1.5 mm brushed stainless steel, AISI 304 or AISI 316.
Optional; any RAL colour powder coated.

Tubular stainless steel door wing, with tinted polycarbonate glazing.

Weight

Single model: 95 kg

Fail-Safe

Automatically opening in case of power failure.

Power supply

230 VAC, 50 Hz
Usage 24 V

Power consumption

Max. consumption: 1.5 A

Power failure

The door wing unlocks with the electrical anti-panic system and automatically opens, creating free passage in either direction.

Operation

No standard activation device included. Options include remote control, an external pedestal with push button, or adjustments for integration of a card reader.

Installation

Fixed to floor surface using a base plate and screws with expansion plugs. Cables pass through the centre of the unit. A guide rail or other product with reflectors for the sensors is installed next to the unit.

Service and maintenance

The top cover of the unit is hinged to facilitate installation and maintenance. The cover and side panels are locked with a security key.

Optional accessories

- Signalling through luminous pictogram indicators. A green arrow and red cross in three modes; continuous, intermittent or progressive operation.
- Adaptation of the unit for integration of card readers in the ends of the passage, subject to the measurements and characteristics of the reader.
- A console with operational push buttons or remote control and direction switches to control the passage through the Winglock 500.
- Integration possible of an 8-digit programmable unit to monitor the number of passages.

Guide Rails

The guide rail types 500-TR with a mid rail and 500-GL with tinted polycarbonate glazing, match the Winglock 500. Both available in stainless steel AISI 304 and AISI 316. They are fixed to the floor with a footplate and 12 mm bolts. Standard dimensions are 1000 mm wide and 900 mm high. Boon Edam has an extended range of alternative guide rails and can advise on any custom requirement.

Certificating

The Winglock 500 is CE certified and complies with the EMC directive. (EM Emission EN 61000-3-2 (1995), EN 61000-3-3 (1995), EN 50081-1 (1992), Certificate N° 0954661EM.006).

Working principle

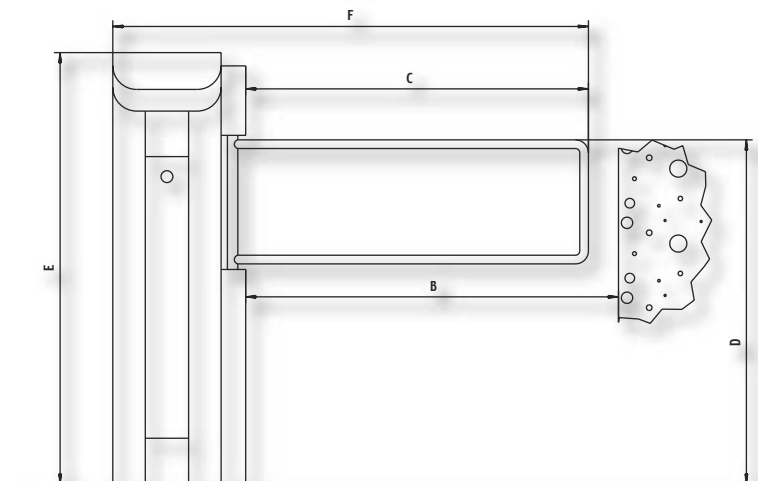
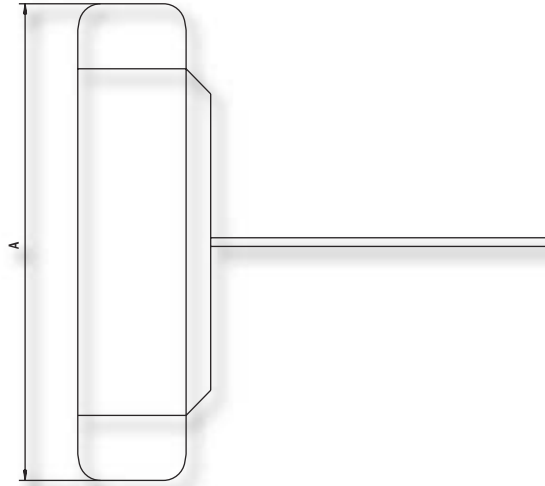
The user can be authorised via a card read system. Alternatively authorisation can be given via an external control panel, for example at the reception desk. Once authorisation is given, the gate opens 90° and closes again on activation of the photocells located on the end posts of the unit.

Photocells, located in the middle of the passage, also prevent the door wing from closing while a user is still in the passage and will detect non-authorized people, for example, tailgating, which results in an audio signal.

In case of a power failure the Winglock 500 will unlock and open, creating a free passage in either direction.

The following working principle modes are possible in each direction:

- Free access;
- Access closed mechanically;
- Access closed with electronic opening via card or ticket reader, coin or token selector, push buttons and/or control switches, photoelectric cells and others.



Dimensions drawing and table

		Winglock 500
A	Passage/ unit length	1100 mm
B	Passage width	850 mm
C	Door wing length	800 mm
D	Door wing height (from floor)	830 mm
E	Unit height	990 mm
F	Overall width	1160 mm* (plus guide rail 40 mm)

* Installation next to a wall; 100 mm extra space needed to open the top cover.

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Winglock 500 features:

- Low cost, bi-directional access control
- Very robust access control
- Neutral stainless steel finishing
- Service and maintenance possible through locked top cover and side panel



Distributor

WK500-1203-GBR-95903296