

Speedlane 500



The Speedlane 500 belongs to the group of security products of Boon Edam and offers an optimal security control. The Speedlane 500 allows a fast, and controlled access in two directions. This basic product is suitable for most building interiors because of its neutral stainless steel finishing. The Speedlane 500 is unique because both door wings are in one straight line, whereas other access lane models have the door wings offset.

The Speedlane 500 is available in several versions.

- A taller door wing (Speedlane 500-H) creating a higher level of security.
- An extended passage (Speedlane 500-L) and additional photocells creating a longer detection way, optimizing the user flow and creating a higher level of security.
- A wide passage (Speedlane 500-W) making access with wheelchairs, larger goods and luggage possible.

A sequence of multiple access lanes is possible. The unit contains side panels that are equipped with security fastenings to access the mechanism for installation and service.

Speedlane 500

Technical Specifications

Capacity

25-30 persons per minute, in one direction.
Bi-directional

Material

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

Door wings are made of tempered safety glass 10 mm, standard grey tinted, optionally alternative colours.

Weight

Standard passage: 240 kg
Wide passage: 290 kg

Fail-Safe

In case of power failure the door wings will fully open and stay open, resulting in a free passage.

Power supply

230 VAC, 50 Hz

Power consumption

250 Watt motor

Power failure

On a power failure, the fail-safe mode will be activated.

Operation

Compatible with each access control system.
Optional external control panel, with switch for alternating passage direction.

Installation

Installation of the unit is mounted on the floor, with base plates, expansion plugs and screws.
Cable entry goes through the base of the unit.
A sequence of units must be interconnected.

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. Either installed on the top cover or on front of the unit. A green arrow and red cross in three modes; continuous, intermittent or progressive.
 - Adaptation of the unit for integration of any card reader subject to the measurements and characteristics of the reader.
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Guide Rails

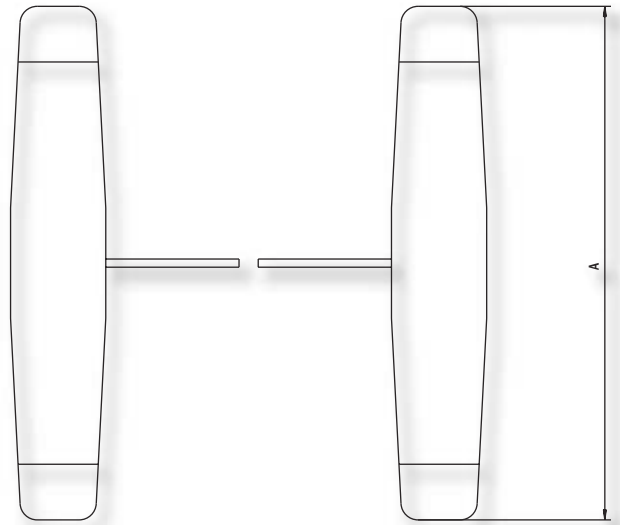
The guide rail types 500-TR with a mid rail and 500-GL with a tinted glass panel, match the Speedlane 500. Both available in stainless steel AISI 304 and AISI 316. They are fixed to the floor with a footplate and 12 mm bolts. Standard dimensions are 1000 mm wide and 900 mm high. Boon Edam has an extended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

Certificating

The Speedlane 500 is CE certified and complies with the machine directive (98/37/EEG), and EMC-directive (89/336/EEG) and the low-voltage directive (93/68/EEG).

Working principle

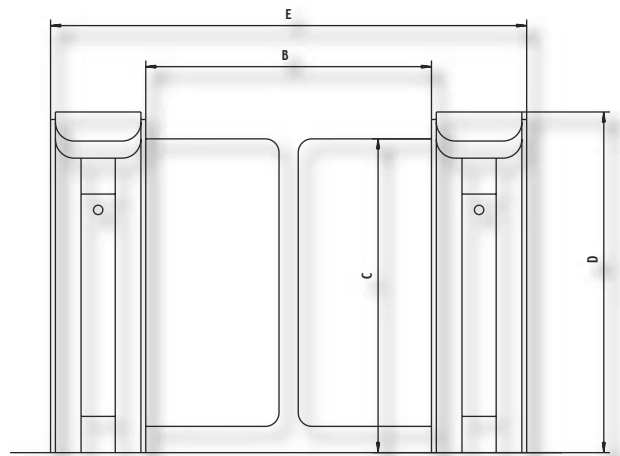
The user can be authorised via a card reader or push button. Alternatively, authorisation can be given via an external control panel, for example at the reception desk. The door wings open and retract completely into the unit. Immediately, as the user passes the door wings, they will close again, to enable a controlled passage and prevent piggybacking. In case a second person tries to pass without authorisation, an audible signal will be given. Photocell sensors prevent the door wings from closing when a person or object is between the doorwings. An acoustic signal indicates unauthorised use of the passage.



The Speedlane 500 standard mode is normally closed. Optionally a normally open mode is possible.

The following working principle modes are possible in each direction:

- Free access;
- Free access and counting;
- Access closed;
- 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

		500	500-H	500-HL	500-L	500-W	500-HW	500-LW	500-HLW
A	Passage length	1310	1310	2190	2190	1310	1310	2190	2190
B	Passage width	500 - 550	500 - 550	500 - 550	500 - 550	850 - 900	850 - 900	850 - 900	850 - 900
C	Door wing height <small>(from floor)</small>	900	1600	1600	900	900	1600	900	1600
D	Unit height	990	990	990	990	990	990	990	990
E	Overall width	1160 - 1210*	1160 - 1210*	1160 - 1210*	1160 - 1210*	1830*	1830*	1830*	1830*

* Installation next to a wall; 100 mm extra space needed to open the top cover.
L = Long, H = High, W = Wide.

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Speedlane 500 features:

- High capacity throughput
- Bi-directional passage
- Anti-tailgating detection with infrared cells
- Wide entrance available for wheelchairs or large luggage
- Neutral stainless steel finishing
- Service and maintenance possible through locked top cover and side panel



Distributor