

Swinglane 900



The security lane with swing doors

Our Swinglane combines the advantages of a swing door wing and a long detection lane with a high capacity security barrier providing tailgating prevention and great user comfort. The Swinglane is available as a single- or multiple-lane setup and is compatible with most access control systems, such as card readers or biometric systems. With the Swinglane a visual but inviting security entrance is created for visitors to your building.

Fast swinging door wing

The fully automatic Swinglane is available with one or two fast opening swing doors, creating a standard passage or a wider passage to allow wheelchair or trolley entrance. The barrier is suited for bi-directional secured passage, in one direction at a time. By using fast swinging doors that can move in both directions, user comfort and safety is ensured.

Surveillance security barriers

The Swinglane is a security barrier that creates a secure environment in, for example, a reception area. A wide passage for disabled can be installed at the end of a row of Swinglanes with an external control panel to control this passage. You will find Swinglanes in many types of buildings including corporate, governmental and financial offices.

Working principle

The Swinglane divides an area into a secure and non-secure side by the use of one or two swing doors. The barrier will only allow access after authorisation from an access control system or a signal from an external control panel. The Swinglane thereby ensures that only authorised people can enter from the non-secure side to your secured area. Two working modes are possible allowing passage in only one direction at the same time. A traffic direction display in the end of the unit shows from which side the Swinglane is open or closed.

Normally closed working mode

In this mode, after authorisation by a card reader, biometric or other authorisation system, a display on top of the unit changes from a red cross into a green arrow. The user can now step into the lane. Sensors detect the user and the door swings open a full 90 degrees away from the user. Along the way the sensors follow the movement of the user. After passing the door, it will close immediately, ensuring that tailgaters are not admitted. The wide Swinglane with two door wings, for disabled, will always stay open for 2 seconds and will only close after the user has passed the door wings.

To allow larger capacity through the Swinglane, up to 3 authorisations can be memorised. If, after authorisation and opening of the door wing, no one passes, the door wing will close again, after the preset time has elapsed.



Normally open working mode

In the normally open working mode, the door wing is always open and only closes if an unauthorised user steps into the Swinglane. After authorisation the display on the top plate shows a green arrow and the user can walk through the lane. The door wing will remain open after passage.

‘Sensors will most accurately detect tailgating attempts’



Security features

Sensors

The standard Swinglane is equipped with several sets of security sensors on each side of the door wing. As a result of thorough tests we are able to position the sensors where they will most accurately detect tailgating attempts. The sensors will also detect intruders from the opposite side and tampering, such as an attempt to block the Swinglane. The sensors communicate with the control unit and, if required, the Swinglane will give feedback to the connected access control system.

The wide Swinglane, with two door wings, has the necessary sensors to detect intruders from the opposite side and give feedback to the access control system.

Flexible design

The Swinglane has several options in design and surface finishing to match or complement a variety of interiors.

Finishing

The standard Swinglane is finished in stainless steel k240, AISI 304 with transparent glass used for both the cabinet and door wings. The top cover of the unit can be finished with wood, stainless steel or other materials.

Construction

The Swinglane units are very slim to allow a multiple lane setup in a narrow corridor. The stainless steel frame is mounted on a small stainless steel base plate and partially constructed of transparent tempered safety glass. A hinged and locked top cover protects the controls and sensors.

Options

- Standard width or a wider passage for disabled use
- Single lane or multiple lane setups
- Normally open or normally closed working mode
- Top cover equipped with oak wood, cherry wood, beech wood or stainless steel
- Adaptations for integration of a proximity card reader under the top cover
- Pedestal for mounting of external card readers, biometric or other authorisation systems
- External control panel for integration in the reception desk, with functions: one in, one out, locked ingoing direction, locked outgoing direction, door wing open and alarm signal

Safety features

At Boon Edam, we put safety first. Safety takes a prominent part in our product development.

User safety

The automatic door wings are equipped with a safety drive that detects obstructions during its movement. If an obstruction is detected during opening, the door wing will stop its movement and slowly close, preventing the user from being clamped between door and unit.

The speed of the door wings is adjustable, within the limits of the safety standards.

For maintenance reasons, an internal counter is integrated, assuring timely service and maintenance.

Emergency

The Swinglane is a failsafe security barrier. In case of power failure the lock and motor will be disengaged allowing the user to manually open the door. If a fire alarm system is connected to the Swinglane, the barrier will open outward automatically in an alarm situation.



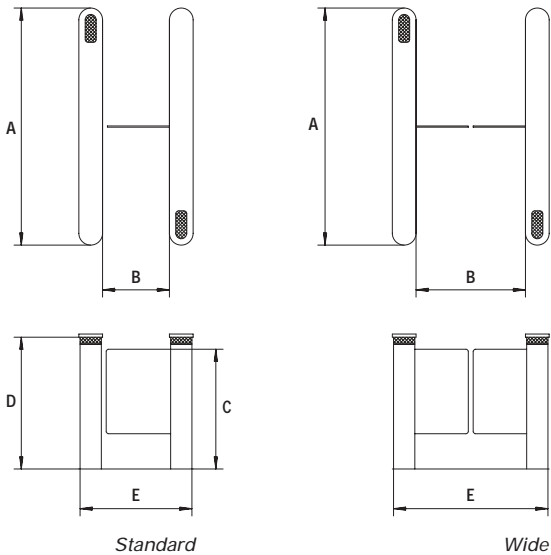
Standard dimensions and capacity

Swinglane 900 type	A Barrier length	B Passage width	C Door wing height	D Barrier height (excl. top cover)	E Installation width*	Capacity # of persons per minute**
Standard	1900	500	1000	1085	940*	1x 25-30
Wide	1900	900	1000	1085	1290*	1x 25-30

Measurements approximately.

*Installation next to wall, extra space (50 mm) needed to hinge open the top cover.

** Depending on authorisation system. Free exit allows 30 persons per minute.



Technical specifications

Power supply	220-240 VAC, 50/60 Hz
Power consumption	
In rest	70 Watt
Working	175 Watt
Fuse	External power supply fused with 16 A slow per lane
Ambient temperature	- 10 °C to +55 °C
Compatibility	The Swinglane is compatible with most access control systems by using potential free contacts.

High quality

At Boon Edam, we take quality seriously; the quality of the materials we use, the quality of our employees as well as the quality of our partners. As with all Boon Edam products, the Swinglane 900 is manufactured to the highest standards, is CE approved and complies with the Machine Directive (98/37/EEC), the EMC Directive (89/336/EEC) and the Low Voltage Directive (93/68/EEC).

Distributor