



## ClearLock 646 Revolving Door

The ClearLock booths are designed to provide high security entrance control and management of pedestrian flow. Based on more than 20 years' experience, their design and robust structure allow for easy integration into prestigious locations such as office buildings, airports, laboratories and sensitive sites.

The high-security ClearLock 646 booth is equipped with two mobile obstacles which provide a free passage width of 26 3/8 in [670 mm], and an external dimension of 45 1/4 in [1,150 mm] (width) x 45 1/4 in [1,150 m] (length). The ClearLock 646 is available with straight [180°] or left/right angled [90°] passage.

### Description

1. Cabin top made of painted steel to hold the drive mechanism and the control board unit of the security booth.
2. Mobile obstacles in clear laminated glass 1-1/16 in [27 mm] thick BR3 P6B (Bullet & Vandalism Resistant).
3. Side walls made of painted steel. Optional clear glass.
4. Floor resin 1 in [25 mm] thick for installation on finished floor.
5. Single Person detection device.
6. Control board unit & motorization comprised of:
  - Programmable electronic board
  - Remote console for operating mode adjustment
  - Voice message device
  - Connection terminals including RS485 interface port
  - Input / Output interface board
  - 24V DC power supply
  - Back-up batteries (2) ensuring 100 cycles in case of power failure
  - Two 24V DC motors controlled by the programmable electronic board, ensuring fast movements with progressive deceleration at the end of the cycle.
  - Electro-mechanical locking of the obstacles (with programmable unlocking in case of power failure)
  - Safety cells for reopening in case a presence is detected in front of the obstacles (anti-pinch safety)
7. Overhead lighting of the passageway.
8. Functional pictograms: red and green LED displays indicating the status of the security booth.
9. Push buttons for emergency opening and intercom.
10. Mechanical Key lock for external door.

### Security & Safety

- Full-height circular booth with sliding entrance and exit doors that never open simultaneously
- Bullet, vandalism and theft resistant, compliant with industry standards (EN1063, EN356, UL752...)
- Single person detection

### Reliability & Performance

- Double entrance and exit doors, ensuring fluid throughput (ClearLock 65x)
- Control panel for set up and management
- Remote management using TCP/IP connectivity

### Key Features

Input Power	120 VAC single phase, 60 Hz , 10A + ground
Gear Motor	Reversible
Torque Limiter	Electronic
Speed Setting	Programmable
Passages (excluding activation time of the access control device)	- 6 people / minute / way
Consumption	200 W
Operating T°	From 14° to 131° F (110° to +55° C) without heating option
Weight	1,654 lbs (750 kg) depending on glass
Maximum Relative Humidity	90% without condensation
Protection Index	IP40
Shock Resistance	IK09 housing BR3 (EN 1063) Bullet resistant glass P6B (EN 356) Vandalism resistant glass
MCBF	1 Mo of cycles or 2 year With recommended maintenance
MTTR	1 hour

### Options

- Entry and / or Exit opening sensor
- Left / Right angle 90° passage
- Metal detector sensor in Entry
- BR3 P6B Bullet & Vandalism Resistant Glass (mobile obstacles and side walls)
- BR4 P6B Bullet & Vandalism Resistant Glass (mobile obstacles and side walls)
- Left object detection sensor (with metal detector in Entry)
- Additional Remote console for secondary security location
- RS485 LAN converter for network consoles
- Housing with non-standard RAL color paint or flat finish paint
- Housing 304L stainless steel (brushed or mirror polish)
- Internal column for readers and accessories
- Tinted glass (mobile obstacles and side walls)
- Special frame for built-in installation
- Special support for installation on technical floor

### Surface Treatment

All mechanical parts have received electro-zinc treatments to prevent corrosion, according to RoHS norms.

**Common Applications:**

- Data centers
- Government facilities
- Administrative buildings

**Work to be Provided by Others (Not Supplied)**

- Performing electrical interconnection and connections to the power grid
- Performing connections to the access control systems
- Anchoring the equipment with the appropriate hardware for your floor type

*All work should be performed as per the implementation and interconnection diagrams provided.*

**Dimensions: ClearLock 646**

