

# Single Sliding Door without rail

## - The perfect choice for truck traffic

When choosing a door for mesh walls, there are several parameters to take into account. What should the door be used for? What function should it have? In what environment should the door be located? What safety features are needed? Here you will find information about what is important to consider when choosing a guard door and when it is appropriate to choose a single sliding door without a rail.

### What to consider when choosing a guard door

- What type of safety guard door fits the available space?
- Will it achieve the required level of protection?
- How frequently will it have to be opened/closed?
- Can locks and interlocks (safety switches) be installed?

The first thing you should do is, figure out the function of the door and the characteristics of the surroundings. Often, a door chosen is not suitable for the environment or takes up too much space. The choice largely depends on the purpose: will the door serve as a passage for staff, material entrance/exit, or for some other function? However, sliding doors should not normally be used as emergency exit doors, because some people might not be able to open the door fast enough when panicking.

### When is the single sliding door without rail the right choice?

All of Axelent's protection doors fulfill the Machinery Directive 2006/42/EC's requirements for movable guards.

The range of safety doors includes the single sliding door without a rail. With an opening of up to 2900 mm, the door is an ideal solution without obstacles on top.

This is possible as the door has no upper rail, instead the guide rail runs next to the door. A single sliding door is an excellent choice when handling large goods, especially when these are transported by crane, forklift or industrial truck.

### Suitable for most environments

The environment in which the machine safety door is to be installed is important when making the decision, because there are doors which are not suitable for all types of surroundings. For example, a humid environment can affect the condition of the door.

Therefore, a sliding gate with a ballbearing-guided rail should be avoided in such environments. However, it is an excellent choice for businesses with a lot of forklift truck traffic - especially when the trucks require a couple of meters in opening width and height.

### Does the door need to be supplemented with other products?

What is inside the fenced door usually determines the choice of lock and safety function. Storage of simpler tools does not normally require installation of switches and sensors. However, they will be required to prevent access to hazardous machines and robots. Therefore, be sure to take the following into account:



### PRODUCT INFORMATION

The door has two types of sliding rails and one type with a movable aluminum rail. Regarding the sliding rails, these two are different for 1000 mm and 1500 mm panels. Together with the door, a fixed wall section is needed next to the door with the dimensions 900 mm or 1400 mm. This section holds up the rails and the door slides through it when it's opened. The type with movable aluminum rail is only built in combination with posts with dimensions 70x70 mm..

*Maximum height: 2500 mm*  
*Maximum widths: 900, 1400, 1900 and 2900 mm*

- The purpose
- Lock selection
- If a safety switch is required
- Who/what will pass through the door
- What is behind the door

The door needs to be supplemented with some form of lock and in many cases also a safety switch. This is to prevent personal injury if the door is used to access machinery, but also to avoid downtime of machines. Another useful complement to the door are our cable trays. Use of wire trays prevents clutter in storage areas and promotes a clean and tidy space around the production facilities. If the guard fence must be higher, the door panels can be extended.

### ADVANTAGEOUS FEATURES OF THE SINGLE SLIDING DOOR WITHOUT RAIL:

- No top rail in the way of moving trucks or high loads
- No special panels are needed for the door
- Suitable for most environments and work areas
- Ideal choice when there is a lack of space
- Can be used together with our cable trays



Contact your local salesperson for more information!

