

Single Sliding Door - Suitable where space is lacking

When choosing a safety fence door, there are several parameters to consider. What will the door be used for? What function will it serve? In what environment will the door be installed and which safety issues must be considered? We have gathered knowledge from our organization about what is important to consider when choosing a door for your machine safety application and when to choose which type of door. Here is our single sliding door!

When choosing a safety fence door, there are several parameters to consider. Choosing the right door means that it does not pose a danger to the surroundings and that there is no risk of collision with objects or persons, or even crushing of limbs. Some key questions to consider are:

- 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. Use a single sliding door for this purpose only, if there is not enough space to open a hinged door fully.

When is the single sliding door the best choice?

All of Axelent's protection doors fulfill the Machinery Directive 2006/42/EC's requirements for movable guards on the market. From our range of safety doors, the single sliding door is often used when there is too little space to open a regular hinge door and where easy opening is desired. For example, the door is used in cramped spaces and for truck aisles.

The advantage of all doors in Axelent's range - the single sliding door is no exception to this - is that you do not need any specific panels for the doors. A fixed fencing panel can be converted into a sliding door.

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. However, our single sliding doors can be used in most environments. For example:

- Industrial and warehouse premises
- Storage solutions
- Openings in area boundaries



PRODUCT INFORMATION

The single sliding door is available with a maximum opening width of 5,700 mm.

The door width and height are determined by the choice of panel used as the leaf.

Does the door need to be supplemented with other products?

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

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

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:

- No special panels are needed for the door
- Suitable for most environments and work areas
- Ideal choice where there is a lack of space
- Can be used together with our cable trays



Contact your local salesperson for more information!

