



Single Hinge Door

-the natural first choice of passage door

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. First out is our single hinge door!

What to consider before choosing a safety fence door

There are several aspects to consider when choosing a door. 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/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?
- If used as emergency exit door will there be enough space to make it wide enough?
- 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, emergency exit, material entrance/ exit, or for some other function. For instance, emergency exit doors must meet certain

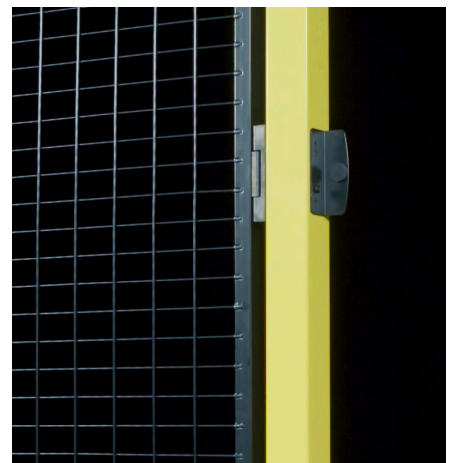
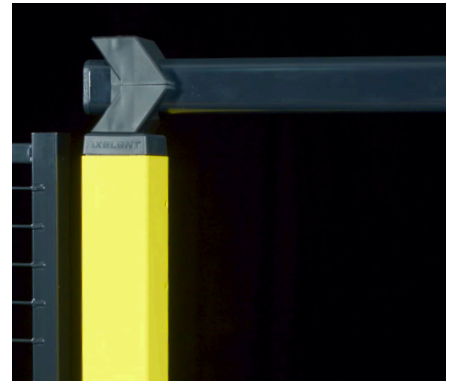
minimum widths depending on local building regulations and the number of people that may have to pass them.

When is the single hinge door the perfect choice?

All of Axelent's protection doors fulfill the Machinery Directive 2006/42/EC's requirements for movable guards on the market. In the series of safety doors the single hinge door is often used as a passage or an emergency exit. The doors functionality, reliability and favorable price means that the hinge door in many cases becomes the natural first choice.

A single hinge door is suitable when the intended opening dimensions and surroundings allows it. It is therefore important to know:

- Can the desired opening width be achieved?
- Will a horizontal bar on top of the frame present an obstacle?
- Will there be enough space for the door leaf to move freely?
- Will the door need to hold back hazardous objects, substances, or even radiation?



ADVANTAGEOUS FEATURES OF THE SINGLE HINGE DOOR:

- Simplicity with few components
- Suitable for most environments
- Easy to adjust locks and interlocking switches
- Can be used together with our cable trays
- Custom solution can be achieved easily
- Easy installation
- Cost-effective solution



Contact your local salesperson for more information!





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 hinge doors can be used in most environments. For example:

- Access to machinery cells
- Warehouses and storage solutions
- Openings in area boundaries

Can be customized when needed

An existing mesh panel is used as the leaf of the single hinge door. Our mesh panels are available in 13 different standard widths, which allows 13 different door widths.

The existing mesh panel makes the safety door easy to move and gives you freedom in positioning or repositioning it. It is thus possible to determine the location of the door at a late stage and major foresight or planning is therefore not required.

Depending on the area of use, the machine guard door can be customized regarding opening dimensions or the choice of lock. What is behind the door determines the choice of safety properties. 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.

PRODUCT INFORMATION

Maximum height:
2 500 mm without extension, 3 055 mm with extension

Maximum width: 1 500 mm

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

