



# GENERAL CATALOG

# Perimeter Guarding

# Modular Systems

## **SAFETY STANDARDS**

Fully compliant with International  
Machine Safeguarding requirements

**EN ISO 14120 /ANSI-RIA R15.06/ JIS B 9716**

**SATECH**  
Modular Machine Guards

# Working environment **safety?** An important matter.

EU and international directives establish the obligation to protect machinery with fences complying with specific construction and safety distance requirements. **Without these Guards, it is not possible for machinery to operate.**

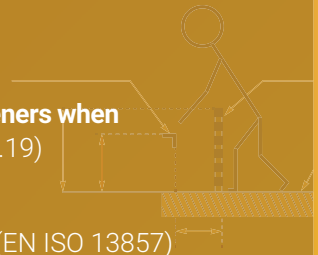
## For example, perimeter Guarding must:

**Be designed and built so as to prevent climbing** (EN ISO 14120-5.18)

**Ensure adequate viewing of production processes** (EN ISO 14120-5.2.4)

**Be equipped with retained fasteners when disassembled** (EN ISO 14120-5.19)

**Be placed at a specific distance from the danger zone** (EN ISO 13857)



## EN ISO 14120

**General requirements** for the design and construction of fixed and movable Guards - excerpts

### 5.2.5.3 - Operating force

Movable Guards or removable sections of Guards shall be designed to permit ease of operation. The observance of ergonomic principles (...) contributes to increasing safety by reducing stress and physical effort of the operator.

### 5.3.9 - Removal

Demountable fixed parts of Guards shall only be removable with the use of a tool. Fixed Guards shall be designed to prevent easy removal.

### 5.4.2 - Impact

Guards shall, as far as practicable, be designed and the material selected to withstand and contain reasonably foreseeable impacts and ejections.

### 5.23 - Appearance

Guards shall be designed so that they do not add adverse physiological and psychological effects.

### 5.16 - Noise reduction

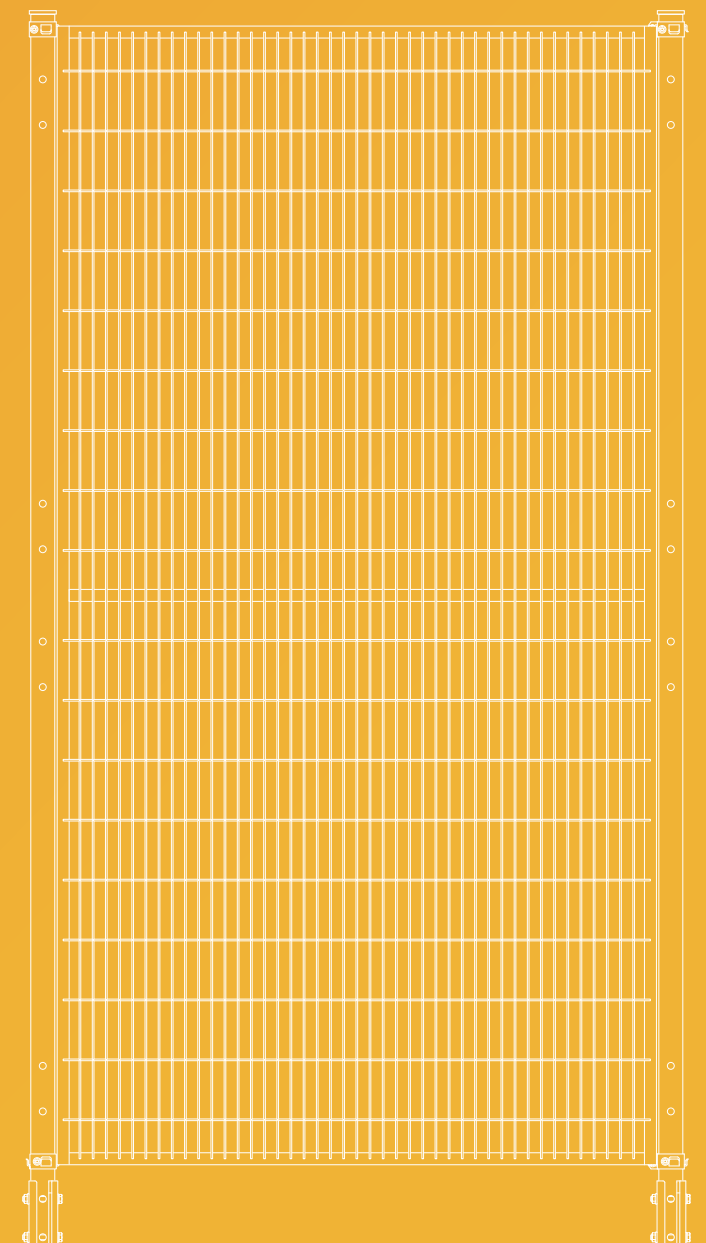
Where necessary, materials shall be selected to provide noise and vibration reduction and (...) minimize effects of resonance which can transmit or amplify noise.

### 5.4.3 - Rigidity

(...) Guard frames (...) and infill materials shall be selected and arranged to provide a rigid and stable structure and to resist deformation.

### 5.9 - Machine viewing

Where viewing of machine operation is required through the Guard, materials shall be selected with suitable properties. If (...) wire mesh is used, this should be of adequate open area and suitable colour to permit viewing. Viewing will be enhanced if the perforate material is darker than the area observed.





## The Modular Machine Guarding Solution **tailored to your need.**

Research, development, design, manufacturing, logistics and customer service: since 2000, Satech has been the **reference for industrial workplace safety.**

### **EN ISO 14120 compliant** Machine Guards Systems

Satech is the first Italian manufacturer of Modular Machine Guards Systems. A **modern international company** today, in its 20+ years of work it has contributed to the **safety** of thousands of automated machinery systems for the protection of millions of people worldwide.



[www.satech.it/en](http://www.satech.it/en)





# SATECH

Modular Machine Guards

## EN ISO 14120 compliant Machine Guards Systems

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#### ORDER PREPARATION TIMES:

The stated "minimum order preparation times" may vary depending on the time of year, workloads, stock availability and/or local market conditions. They can be confirmed accurately only after the Order Confirmation.

#### IMAGES AND TECHNICAL DATA:

Images and technical specifications in this catalog are for illustrative purposes only and are current at the time of publication. Satech's policy is one of continuous improvement, so products distributed may undergo changes or updates.

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# Satech, your ideal partner for Industrial Safety

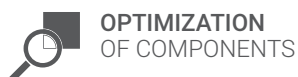
We are the first Italian Company that's specialized in the manufacturing of Standard-compliant Modular Machine Guard Systems. Since 2000, we have been designing Industrial Safety Solutions with high-quality products that are modular and easy to assemble.



## Tailor-made Solutions

### Your need, our Solution

Each machinery layout features specific requirements. Our modular, stock-ready Guards - both fixed and movable - provide the perfect Solution to most of customer needs in all industrial sectors. Our Quotations Team will best advise you on how to optimize our modules to get the right fit for your needs.



**OPTIMIZATION  
OF COMPONENTS**

## Technology

### Automation

Our robots and machinery 4.0 are controlled by state-of-the-art software to ensure the perfect integration and control of any process: from laser cutting to panel welding, from painting to packing and shipping.



**INTEGRATED MANAGEMENT  
OF ALL PROCESSES**



4**Direct offices**  
Between Europe and Japan

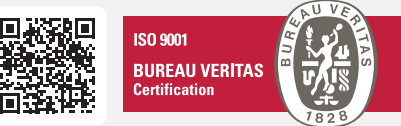
5**Standard Systems**  
stock-ready

20**K****Square meters**  
of production area



ISO 9001 System

Satech considers Quality as an integral part of its Value proposition. The ISO 9001 certified Quality system ensures the highest degree of efficiency in all our processes.



Craftsmanship

Details that make the difference

Customizations of our products are carried out by the CustomGuard team, which takes care of every detail with craftsmanslike attention. Additionally, the SatechLab Team is able to develop and deliver turnkey projects by integrating our Standard Solutions with tailor-made Products.



# Environmental Impact

## Our commitment to sustainability

We strive to reduce the impact on the Planet through an ISO 14001 certified environmental management system. Our productive processes are constantly analyzed and refined in order to improve their sustainability over time.



### Self-production of clean energy

The self-production of renewable energy is a topic that we take very seriously. More than half of our Smart Factory's energy needs are covered by a **system of solar panels** installed on **6,000 m<sup>2</sup>** of roofing at our Bulciago Production Facility.



### Use of recycled raw material

The consumption of natural resources is one of the factors that has the greatest impact on sustainability. More than 70% of the **steel** we use comes from **recycled raw material**.



**50% ELECTRICITY**  
BEING SELF-PRODUCED



**70% STEEL**  
FROM RECYCLED  
MATERIAL



## Concrete Actions to protect the Environment

### Centralized Air Conditioning

Besides producing our own electricity, we limit its consumption as much as possible. A system of electric pumps distributes air conditioning to the office building - no fossil fuel needed.

### Timed lighting system

The lighting system installed in our Production Facility is energy-efficient. A timer limits the use of artificial lights only to necessary hours.

### Wastewater recovery

Water is the most important resource on the Planet. Our Smart Factory employs a modern recovery system that cleans industrial wastewater and feeds it back into processes. This reduces the amount of waste produced and water consumed.



## Certifications

### ISO 14001 environmental management

Through the development and maintenance of an **ISO 14001 certified environmental management system**, we commit to prevent water, air, and soil pollution by minimizing waste generation and by limiting the consumption of natural resources.



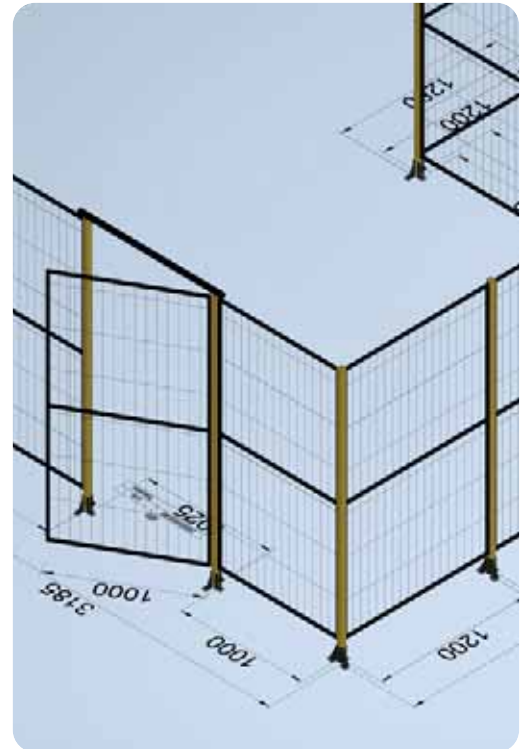
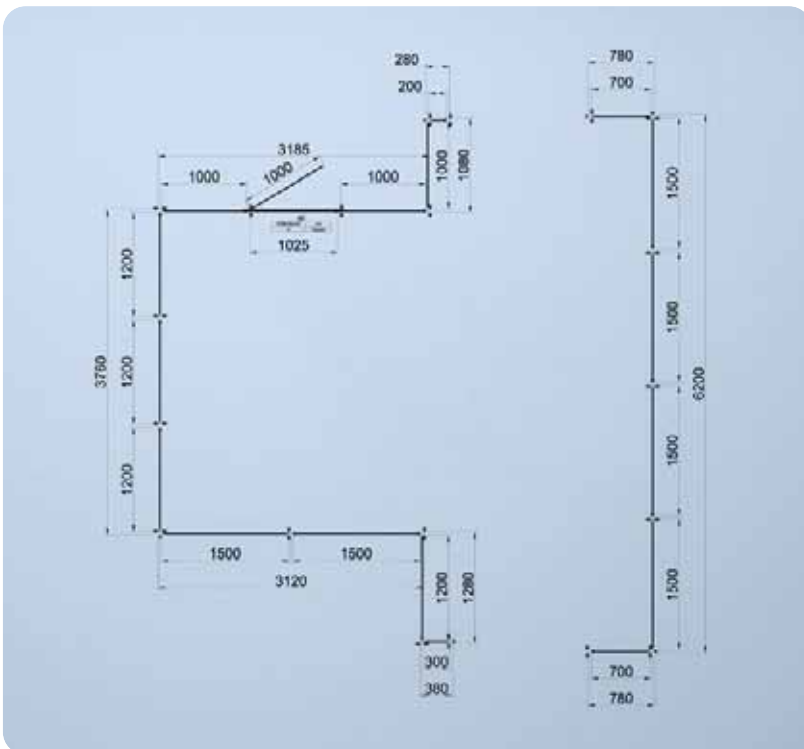
ISO 14001  
BUREAU VERITAS  
Certification



# Autocad® and Inventor Design

## Solutions tailor-made for you

Our Quotations Department specializes in developing industry-dedicated solutions as well as design proposals for different sectors. Satech projects are saved and delivered as DWG format or 3D format (STP) upon request, ensuring full compatibility with all IT standards.



### Optimization of Modular Components

Thanks to our customized Autocad® application, we are able to **optimize the choice of modular components** that will be part of your layout.

### 3D Visualization Preview

To get a concrete idea of what your Perimeter Guard will look like, you will be provided with files in DWG and STP formats, fully compatible with all design software.



OPTIMIZATION  
OF COSTS



COMPATIBILITY  
WITH ALL SOFTWARE

### 3 Ways

you can get a free,  
no-obligation quote

# 1

### Send us a draft of your layout

Our Quotations Department will  
take care of the technical drawing,  
optimizing the number of modules.

# 2

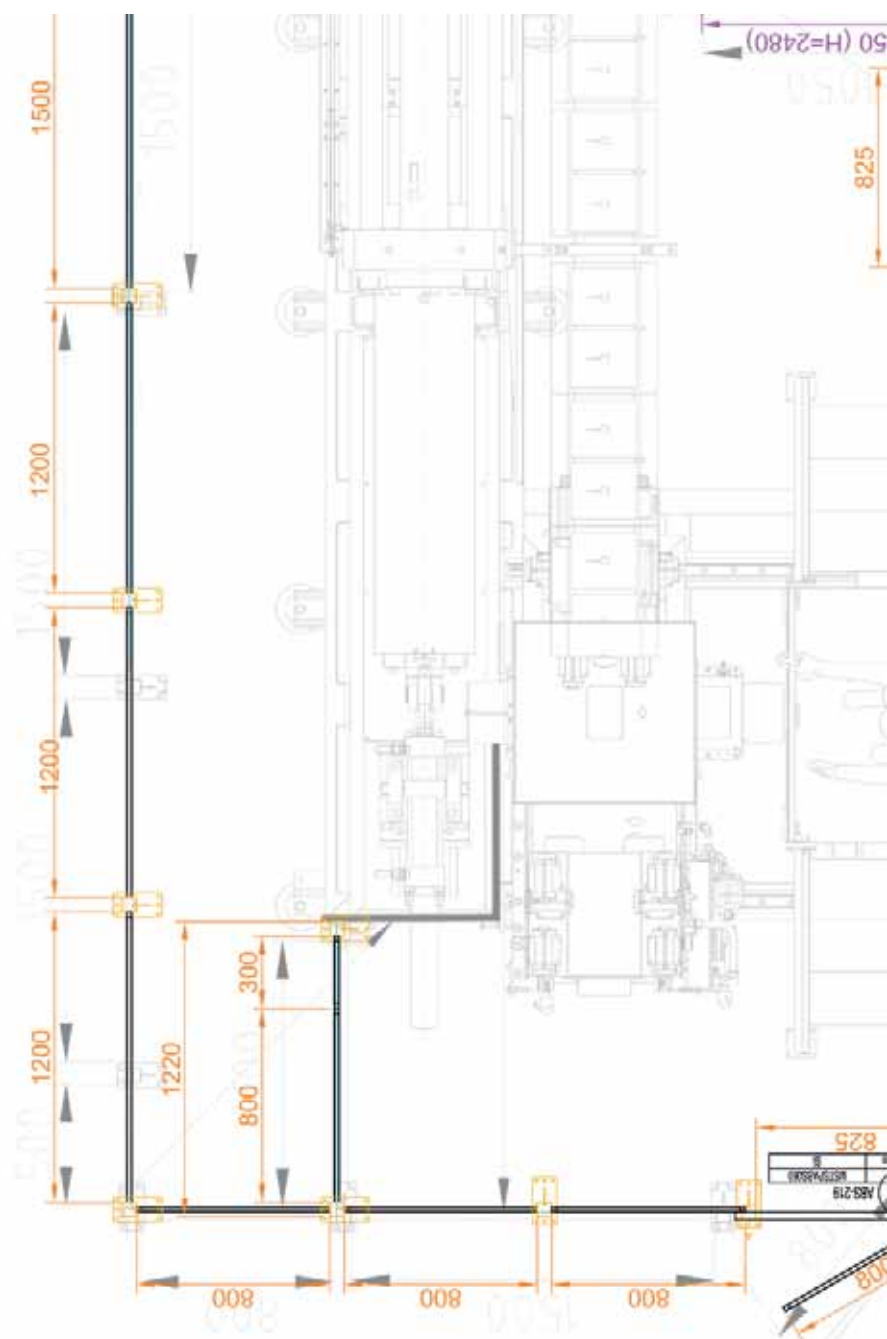
### Request 3D models of our Products

Import the models of our Guards  
directly into your technical drawing and  
send it to us to get your quotation.

# 3

### Use our free software

Draw your Perimeter Guard with our  
Disegna software, export the list of  
components directly and send it to us  
for quotation.



## Disegna

your perimeter in 3 easy steps

**Disegna** is the free design software **for our customers and distributors** that makes it easy to ask for a quote.

The simple and intuitive interface is based on the same software used by our Quotations Department and features the full database of Satech Products. **You can design starting from a blank page or by importing your existing layout** in a standard format (DWG, PDF, etc...). You will get the list of the modules for your quotation **in just 3 steps!**

Request it now! [disegna@satech.it](mailto:disegna@satech.it)



# Safety distances of Machine Guards

## Reaching over protective structures

EN ISO 13857, 4.2.2

- A** Height of hazard zone
- B** Height of protective structure
- C** Safety distance

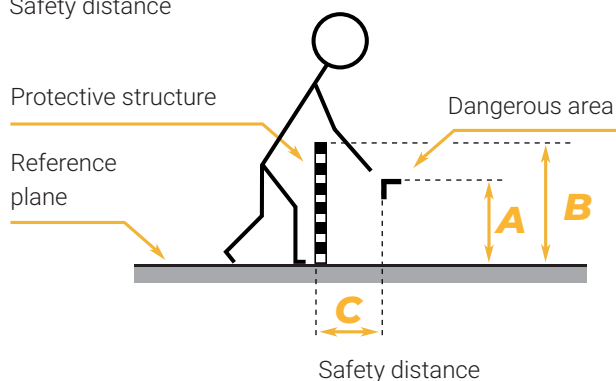


Table 2

dimensions in mm

<b>B</b>	1000	1200	1400	1600	1800	2000	2200	2400	2500	2700
<b>A</b>	Horizontal distance to hazard zone <b>C</b>									
2700	-	-	-	-	-	-	-	-	-	-
2600	900	800	700	600	600	500	400	300	100	-
2400	1100	1000	900	800	700	600	400	300	100	-
2200	1300	1200	1000	900	800	600	400	300	-	-
2000	1400	1300	1100	900	800	600	400	-	-	-
1800	1500	1400	1100	900	800	600	-	-	-	-
1600	1500	1400	1100	900	800	500	-	-	-	-
1400	1500	1400	1100	900	800	-	-	-	-	-
1200	1500	1400	1100	900	700	-	-	-	-	-
1000	1500	1400	1000	800	-	-	-	-	-	-
800	1500	1300	900	600	-	-	-	-	-	-
600	1400	1300	800	-	-	-	-	-	-	-
400	1400	1200	400	-	-	-	-	-	-	-
200	1200	900	-	-	-	-	-	-	-	-
0	1100	500	-	-	-	-	-	-	-	-

## Reaching through regular openings

EN ISO 13857, 4.2.4.1



The dimension of the opening "e" corresponds to the side of a square opening, the diameter of a round opening and the narrowest dimension of a slot opening.

For openings larger than 120 mm, safety distances in accordance with point 4.2.2 shall be used.

### NOTE (1):

If the length of the slot opening is  $\leq 65$  mm, the thumb acts as a stop and the safety distance for protective structures can be reduced to **200 mm**, resulting in **great space saving**.

Table 4

dimensions in mm

Part of body	Illustration	Opening	Safety distance $S_r$		
			Slot	Square	Round
Fingertip		$e \leq 4$	$\geq 2$	$\geq 2$	$\geq 2$
		$4 < e \leq 6$	$\geq 10$	$\geq 5$	$\geq 5$
Finger up to knuckle joint		$6 < e \leq 8$	$\geq 20$	$\geq 15$	$\geq 5$
		$8 < e \leq 10$	$\geq 80$	$\geq 25$	$\geq 20$
		$10 < e \leq 12$	$\geq 100$	$\geq 80$	$\geq 80$
		$12 < e \leq 20$	$\geq 120$		
Hand		$20 < e \leq 30$	$\geq 850$ (1)	$\geq 120$	$\geq 120$
		$30 < e \leq 40$	$\geq 850$	$\geq 200$	$\geq 120$
Arm up to junction with shoulder		$40 < e \leq 120$	$\geq 850$	$\geq 850$	$\geq 850$

# Safety distances to prevent access by lower limbs

## EN ISO 13857, 4.3

When it is not possible to foresee upper limb access through the opening, it is possible to use the values given in this Table to determine safety distances for the lower limbs.

“e” refers to the same types of opening as in chapter 4.2.4.1.

**NOTE (1):**

If the narrower slot width is **≤ 75 mm**, distance can be **reduced to ≥ 50 mm**.

**NOTE (2):**

Slot openings with **e > 180 mm** as well as square or round openings with **e > 240 mm** allow **access with the whole body**.

Table 7

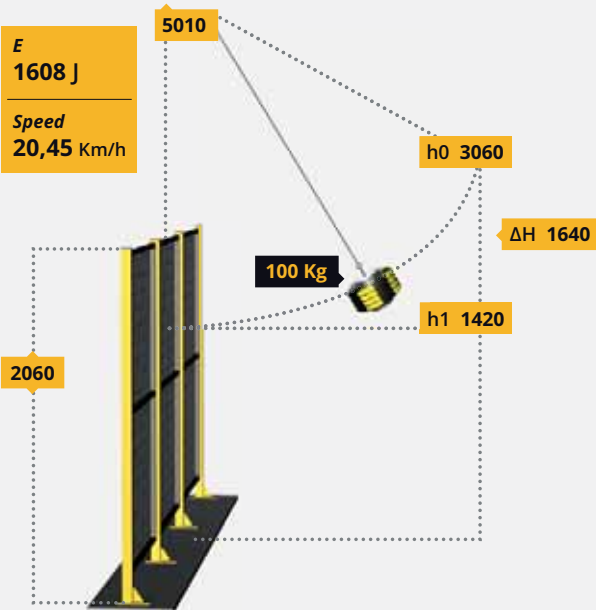
dimensions in mm

Part of lower limb	Illustration	Opening	Safety distance Sr Slot Square or round	
Toe tip		e ≤ 5	0	0
		5 < e ≤ 15	≥ 10	0
Toe		15 < e ≤ 35	≥ 80 (1)	≥ 25
		35 < e ≤ 60	≥ 180	≥ 80
Foot		60 < e ≤ 80	≥ 650	≥ 180
		80 < e ≤ 95	≥ 1100	≥ 650
Leg (toe tip to knee)		95 < e ≤ 180	≥ 1100	≥ 1100
		180 < e ≤ 240	not admissible (2)	≥ 1100

# EN ISO 14120

## Impact Test

In our dedicated **Test Center** Satech Solutions are subjected to severe **dynamic resistance tests from the inside outwards** according to the procedure contained in the EN ISO 14120 Standard (Hard body / Pendulum Test).



Mass release height from the ground (mass load center): **h0** = 3,060 m  
Mass impact height from the ground (mass load center): **h1** = 1,420 m  
**ΔH** = h0 – h1 = 3,06 – 1,42 = 1,64 m



# Framed panels

## Safe, practical, resistant

Satech framed modular mesh panels are designed according to EN ISO 14120 and meet Risk Assessment safety requirements. Available with 20 or 30 mm frame, they can be assembled with 3 different assembly options.



### Easy to handle

Robust and light

With a structure that's **lightweight** yet robust, the Satech framed panel can be easily handled by just one person.

### Ready to use

Plug and play versatility

The frame comes **pre-drilled** to allow assembly with Nuts and Bolts and the installation of brackets, locks and accessories.

#### 7 standard widths, infinite possibilities

The combination of our **7 standard panels** joined together allows to create all the intermediate widths in **100 mm increments**.

7 standard widths:

200	300	700	800
1000	1200	1500	

200		
300		
400	=	200 200
500	=	200 300
600	=	300 300
700		
800		

900	=	200 700
1000		
1100	=	300 800
1200		
1300	=	300 1000
1400	=	700 700
1500		





DECLARATION OF  
CONFORMITY  
EN ISO 14120



### Visibility

EN ISO 14120-5.9

The vertical mesh shape ensures excellent machinery visibility



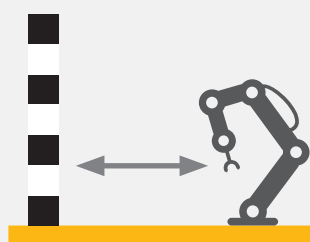
### Anti-climbing

EN ISO 14120-5.18

The horizontal wires welded on the inside prevent climbing

### Less distance, more space saved

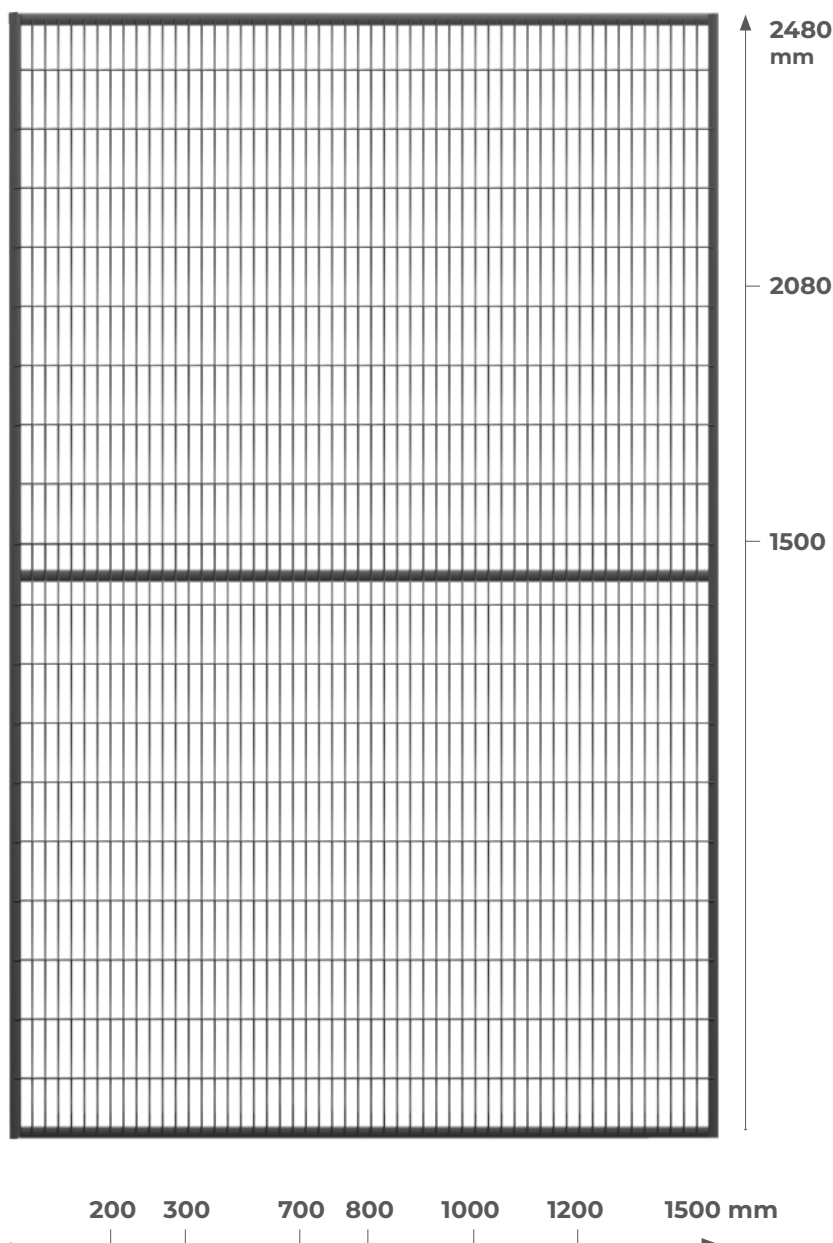
The **17x97 mm** mesh slot allows to install the Guard only **120 mm** from hazard (EN ISO 13857), reducing the **amount of space** occupied by the safety perimeter.



**120 mm**

## The Satech Modular Framed Panel

7 standard widths and 3 standard heights



### Safe and resistant

20 or 30 mm frame?

The 20 or 30 mm **square section tubes** and 3 mm wire mesh make the Satech panel rigid and resistant, while **welds at wires intersection** prevent the risk of resonance.

FRAME  
mm  
**20**

FRAME  
mm  
**30**



## Panel options

Sheet metal, transparent sheet or mixed?

In addition to mesh panels, our framed Systems can be built with panels in different materials. All of them are robust, easy to assemble, fully compatible with traditional assembly systems and customizable according to your needs.

### FullSteel

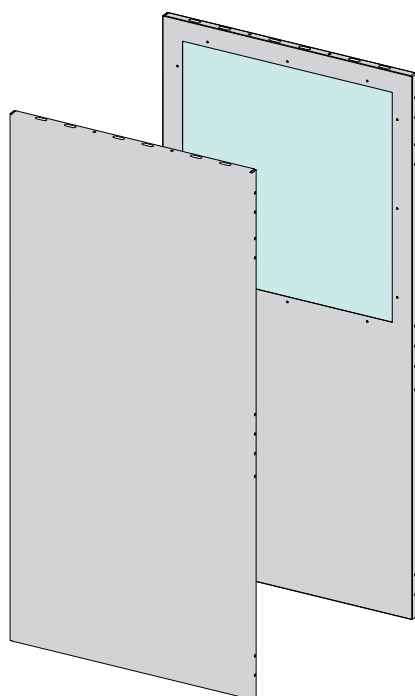
Maximum Robustness and Privacy



STANDARD  
NON-STOCK

MIN. ORDER PREPARATION TIME:  
**11 BUSINESS DAYS**

**FullSteel** is the new line of folded sheet metal panels. Suitable to protect from the ejection of scraps or for the partitioning of restricted areas, it is available with a polycarbonate viewing port as well as a dedicated viewing port for welding cells.



#### ASSEMBLY OPTIONS

- ✓ "Impact" assembly -  
Captive Retained Screws



Tested for up to

**2200 J**

#### MATERIALS

**Sheet metal**  
1,2 mm thickness

**Transparent sheet**  
4 mm thickness

**EN ISO 25980**  
**Transparent sheet**  
3 mm thickness

## Transparent sheet

Maximum Visibility

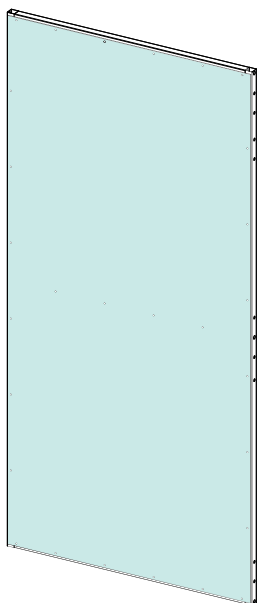
FRAME  
mm  
**20**

FRAME  
mm  
**30**



STANDARD  
NON-STOCK

MIN. ORDER PREPARATION TIME:  
**12 BUSINESS DAYS**



Polycarbonate panels provide **maximum visibility of the protected areas**, thus allowing the inspection of processes.



### ASSEMBLY OPTIONS

- ✓ "Easy" assembly - Quick Clamp
- ✓ "Impact" assembly - Captive Nuts and Bolts

### MATERIALS

**Transparent sheet**  
4 mm thickness

## Mixed Panels

Maximum Versatility

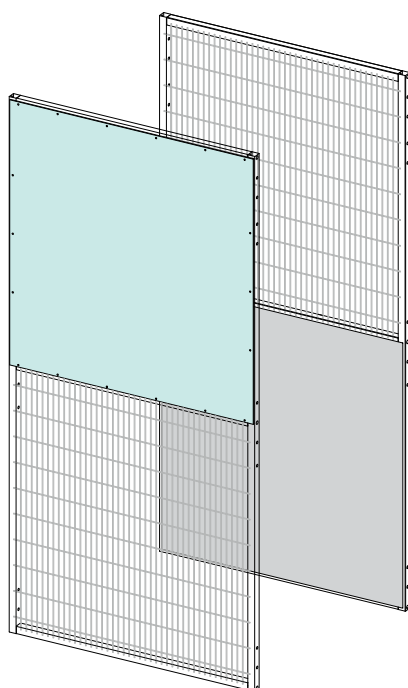
FRAME  
mm  
**20**

FRAME  
mm  
**30**



STANDARD  
NON-STOCK

MIN. ORDER PREPARATION TIME:  
**15 BUSINESS DAYS**



Mixed material panels **combine the advantages of both materials**. The sheet metal + mesh panel, for example, protects from the ejection of scraps in the lower part while ensuring full visibility of production processes at the top.



### ASSEMBLY OPTIONS

- ✓ "Easy" assembly - Quick Clamp
- ✓ "Impact" assembly - Captive Nuts and Bolts

### MATERIALS

**Steel wire mesh**  
3 mm thickness

**Sheet metal**  
1,2 mm thickness

**Transparent sheet**  
4 mm thickness





# BASIC Series

## Great Versatility

The best-selling framed Perimeter Guard

FRAME  
mm

20

POST  
mm

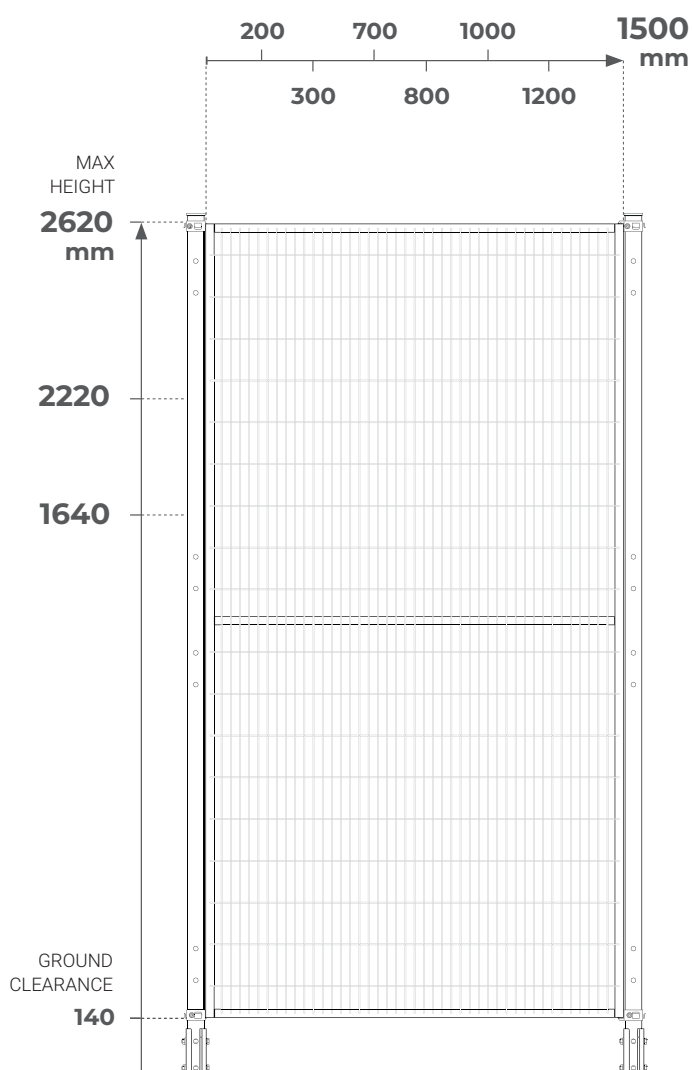
40

## Versatile

**BASIC** is a **complete** and **versatile** framed Perimeter Guarding Solution. Suitable for any machinery layout, **BASIC** can be **completed** with a wide range of accessories and doors.

## Practical

The modular design, ergonomics, **ease of assembly** and full compatibility with doors and accessories make **BASIC** a proper Solution for most industries.



### Panels

MESH (mm)	20 x 100 x 3		
MESH SLOT (mm)	17 x 97		
HEIGHTS (mm)	1500	2080	2480

20  
mm

### Posts

BASEPLATES	to assemble, with 3 or 4 anchoring points or welded (optional)		
HEIGHTS (mm)	1660	2240	2640

40  
mm

### Colors

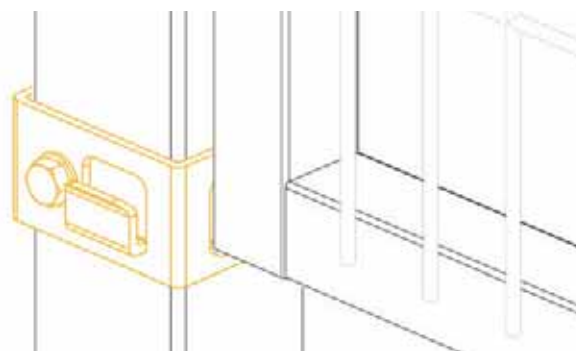
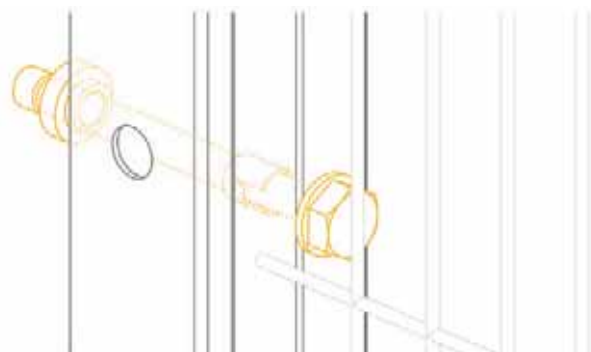
RAL COLORS	RAL 9005	RAL 1021	RAL 7035	CustomGuard Colors
COATING	Powder (for indoor use only)			

# 2

in one

## Maximum impact resistance or speed of assembly?

Captive Nuts and Bolts are the perfect Solution for **maximum impact resistance**, while the Patented Clamp is the right choice if you want to reduce **assembly time**.



Tested for up to  
**1608 J**



**-25%**  
Assembly Time

### “Impact” Assembly

**BASIC** assembled with **Captive Nuts and Bolts** (2006/42/CE Machinery Directive) has been tested for up to **1608 J** of impact resistance (Impact Test, **EN ISO 14120**).

### “Easy” Assembly

The **Quick Clamp** with captive retained fasteners (2006/42/EC Machinery Directive) allows for an **easy and intuitive assembly**. The System complies with the **EN ISO 14120** Standard.



### Adjustable baseplate or integrated into the post?

The **baseplate to assemble** (standard) can be adjusted in height to compensate for **uneven floors**, while the **welded baseplate** (optional) reduces assembly time even more.

## Why choose BASIC Series Perimeter Guard?



The **BASIC** Perimeter Guard is designed and manufactured in compliance with **EN ISO 14120** and meets **Risk Assessment** safety requirements.

Price range

€€

Speed of assembly



Min. Distance from Hazard (mm)

**120**  
(EN ISO 13857)

Non-mesh Panel options  
(FullSteel, transparent sheet, mixed)



**Modular and universal**



**2 assembly options**  
**2 anchoring options**



**Compatible with all accessories and doors**



**Wide range of panel options**

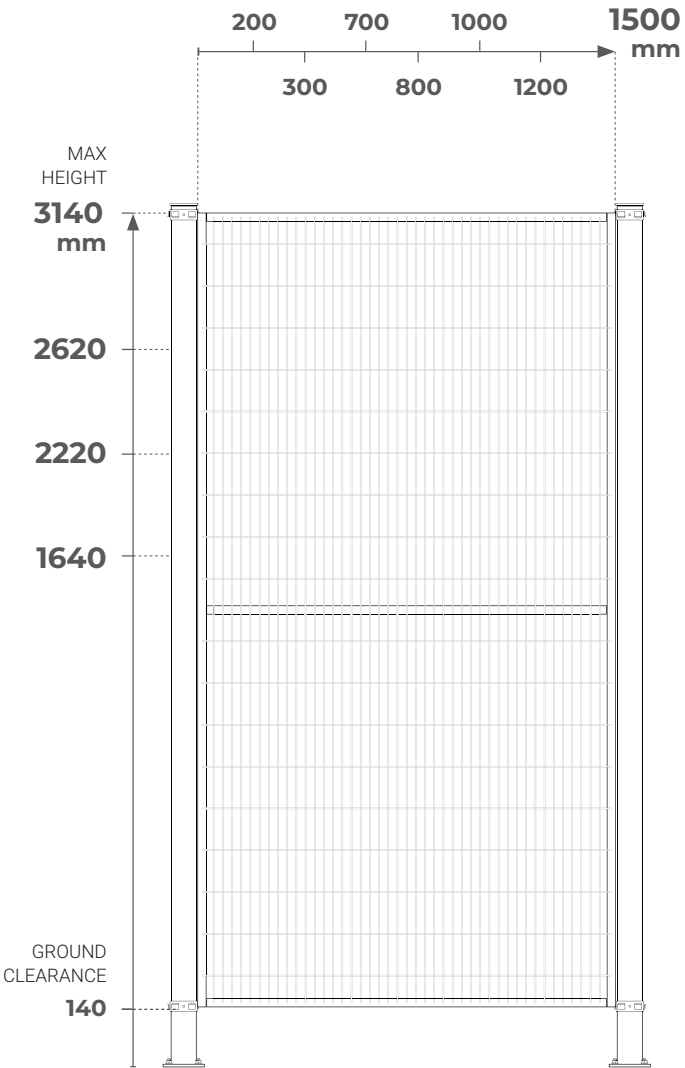


# STRONG Series and HEAVY

*A bold look*

The robust Perimeter Guard with reinforced posts

<b>FRAME</b> mm <b>20</b>	<b>FRAME</b> mm <b>30</b>	<b>POST</b> mm <b>60</b>
STRONG		HEAVY



## Robust

**STRONG** is a **robust** Perimeter Guarding Solution with reinforced posts that comes with two assembly options and two frame options. **STRONG** ensures stability even for **great heights**.

## Practical

Built to last, **STRONG** is easy to assemble and compatible with all Satech doors and accessories. The robust design makes it ideal to support **sheet metal** or mixed panels, often employed e.g. in the **steel** and **paper** industries.

### Panels

MESH (mm)	20 x 100 x 3		
MESH SLOT (mm)	17 x 97		
HEIGHTS (mm)	1500	2080	2480

### Posts

BASEPLATES (mm)	100 x 200 x 8 welded with (max) 6 anchoring points			
HEIGHTS (mm)	1660	2240	2640	3160

### Colors

RAL COLORS	<div>● RAL 9005</div> <div>● RAL 1021</div> <div>● RAL 7035</div>	<div>● CustomGuard Colors</div>
COATING	Powder (for indoor use only)	

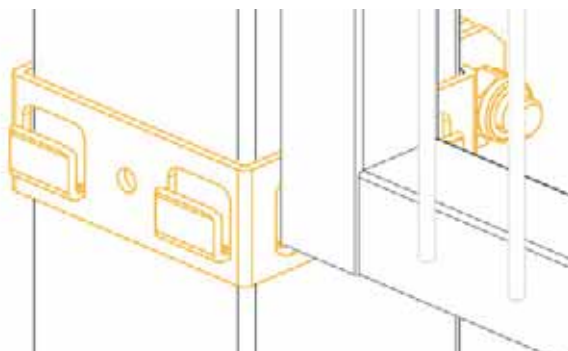


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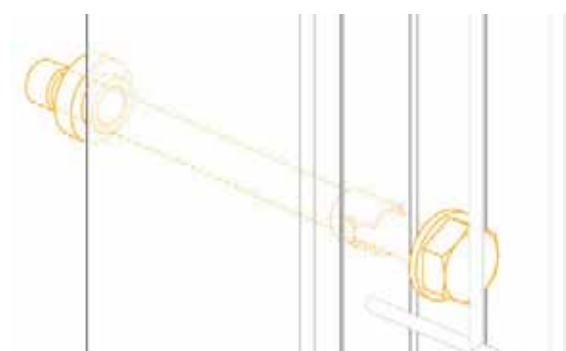
in one

## Speed of assembly or maximum impact resistance?

**STRONG** is a “2 in 1” Solution with two assembly options: the Standard Patented Clamp is the right choice if you want to reduce **assembly time**, while optional Captive Nuts and Bolts are the perfect Solution for **maximum impact resistance**.



**-25%**  
Assembly Time



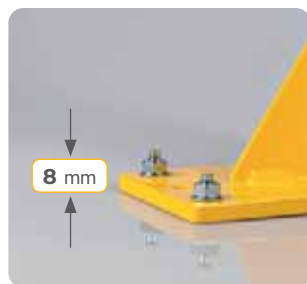
Tested for up to  
**1,608 J**

### “Easy” Assembly

The **Quick Clamp** with captive retained fasteners (2006/42/EC Machinery Directive) allows for an **easy and intuitive assembly**. The System complies with the **EN ISO 14120** Standard.

### “Impact” Assembly

**STRONG** assembled with **Captive Nuts and Bolts** (2006/42/EC Machinery Directive) is tested for resistance to impacts up to **1,608 J** (Impact Test, **EN ISO 14120**).



### Maximum stability and resistance, even for greater heights

**STRONG** ensures **maximum ground stability** thanks to its 60x60 mm posts, welded baseplates with up to 6 anchoring points and reinforcement ribs. **STRONG** is ideal for the protection of hazardous areas with **notable heights**.

## Why choose STRONG Series Perimeter Guard?



The **STRONG** Perimeter Guard is designed and manufactured in compliance with **EN ISO 14120** and meets **Risk Assessment** safety requirements.

Price range

€€€

Speed of assembly



Min. Distance from Hazard (mm)

**120**  
(EN ISO 13857)

Non-mesh Panel options  
(FullSteel, transparent sheet, mixed)



**Modular and stable,  
even at great heights**



**2 assembly options  
Reinforced baseplates**



**Compatible with all  
accessories and doors**



**Wide range of panel options**



# FastGuard 20 and 30

## 1,2,3 Done!

The Safety Fence with the quickest assembly

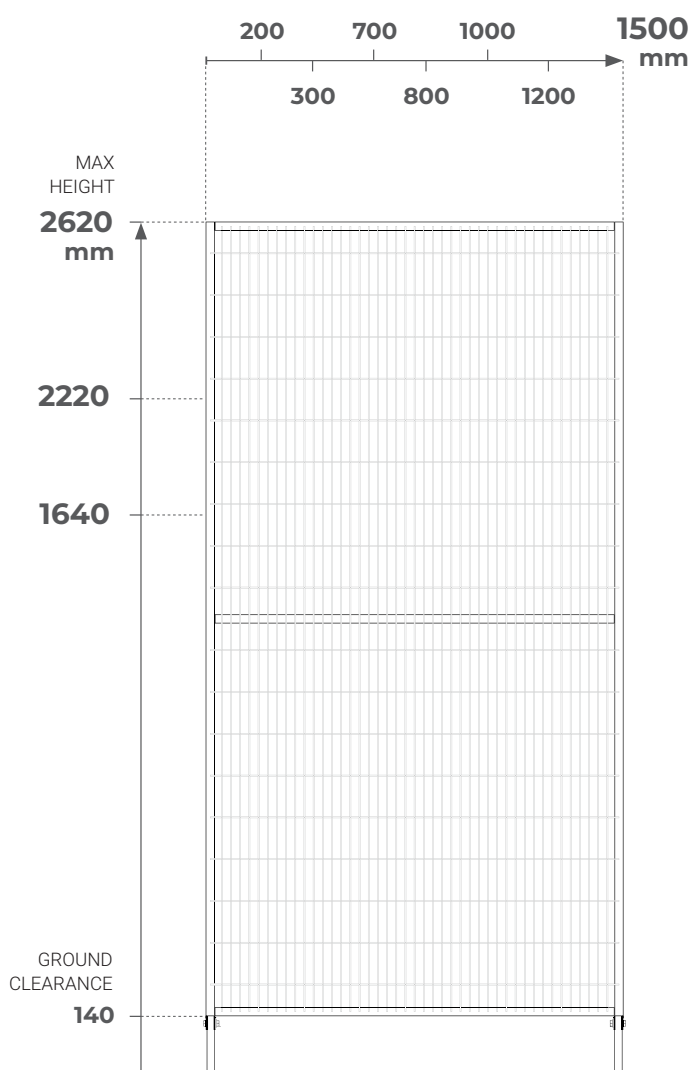
FRAME mm	FRAME mm
<b>30</b>	<b>20</b>
FastGuard 30	FastGuard 20

## Fast

FastGuard Safety Fences allow faster installation than traditional systems. FastGuard is ideal for the partitioning of areas, as well as for protection alongside conveyor belts of automatic lines.

## Simple

FastGuard is the System without posts combining simplicity, convenience and versatility. Like all Satech Solutions, it can be **complemented** by our range of doors and accessories.



### Panels

	20 x 100 x 3
MESH (mm)	20
MESH SLOT (mm)	17 x 97
HEIGHTS (mm)	1500      2080      2480

30 mm	20 mm
----------	----------

### Baseplates

TYPES	Linear and terminal
SIZE (mm)	100 x 200 x 8 welded, with 4 anchoring points

### Colors

RAL COLORS	<div>RAL 9005</div> <div>RAL 1021</div> <div>RAL 7035</div> <div>CustomGuard Colors</div>
COATING	Powder (for internal use only)



## Great time saving, maximum effectiveness

FastGuard saves up to **70% assembly time** while ensuring a minimum resistance to impacts of **115 J** (even for the FastGuard 20 version), which is the reference value required by International Standards.

**-70%**  
Assembly Time

## Assembly in 3 easy steps

Panels are supported and kept in place by baseplates, while an upper connection keeps them aligned. Assembling FastGuard is incredibly easy - all you have to do is:



- 1** Place the multi-function baseplates on the ground
- 2** Insert the panel from above
- 3** Tighten the captive built-in fastenings



LOCKING FORKS BASEPLATES



UPPER CONNECTIONS

## Simplicity and stability

Special **baseplates** with **locking forks** connect modular panels in the lower part. For additional stability, the upper part is connected either by an **elastic shaped joint** or by **captive retained Nuts and Bolts**.

FastGuard 30  
tested for up to  
**390 J**

## Practical, even with a single operator

Thanks to its quick fasteners, the installation of FastGuard Perimeter Guards can be carried out by **one operator**.

**20** mm

ALSO AVAILABLE  
WITH 20 mm FRAME  
(FastGuard 20)



## Why choose FastGuard Safety Fence?



The FastGuard Safety Fence is designed and manufactured in compliance with **EN ISO 14120** and meets **Risk Assessment** safety requirements.

Price range

€ / €€

Speed of assembly



Min. Distance from Hazard (mm)

**120**  
(EN ISO 13857)

Non-mesh Panel options  
(FullSteel, transparent sheet, mixed)



**Modular, Extra-rapid and convenient**



**Self-supporting, without posts**



**Compatible with all accessories and doors**



**Wide range of panel options**



# Frameless panels

## Versatile, resistant, adaptable

Satech frameless modular mesh panels are designed according to EN ISO 14120 and meet Risk Assessment safety requirements. They can be adapted directly on-site. Made of 4 mm wire and strengthened by reinforcing ribs, they provide excellent dynamic resistance to impacts.



### Adaptable

Ready for all eventualities

The frameless mesh allows to **quickly fit** the panel **on-site** to any need - all by using basic tools and without the need for repainting.

### Easy to handle

Light and robust

**Lightweight** yet robust, the Satech frameless panel can be easily handled by just one person.

#### Eight widths, ideal for your layout

**8 standard modular widths** designed to fit any kind of layout. The absence of a frame makes it easy to cut the panel and to create all intermediate widths in **32 mm** increments.

**8 standard widths:**

196

292

676

772

996

1188

1476

1988







DECLARATION OF  
CONFORMITY  
EN ISO 14120



### Visibility

EN ISO 14120-5.9

The vertical mesh shape ensures  
excellent machinery visibility



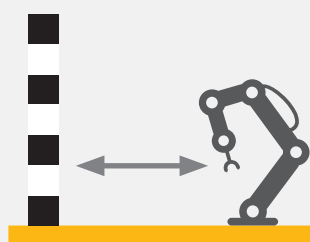
### Noise reduction

EN ISO 14120-5.1.5

Welds at wires intersection prevent  
the risk of resonance

## Less distance, more space saved

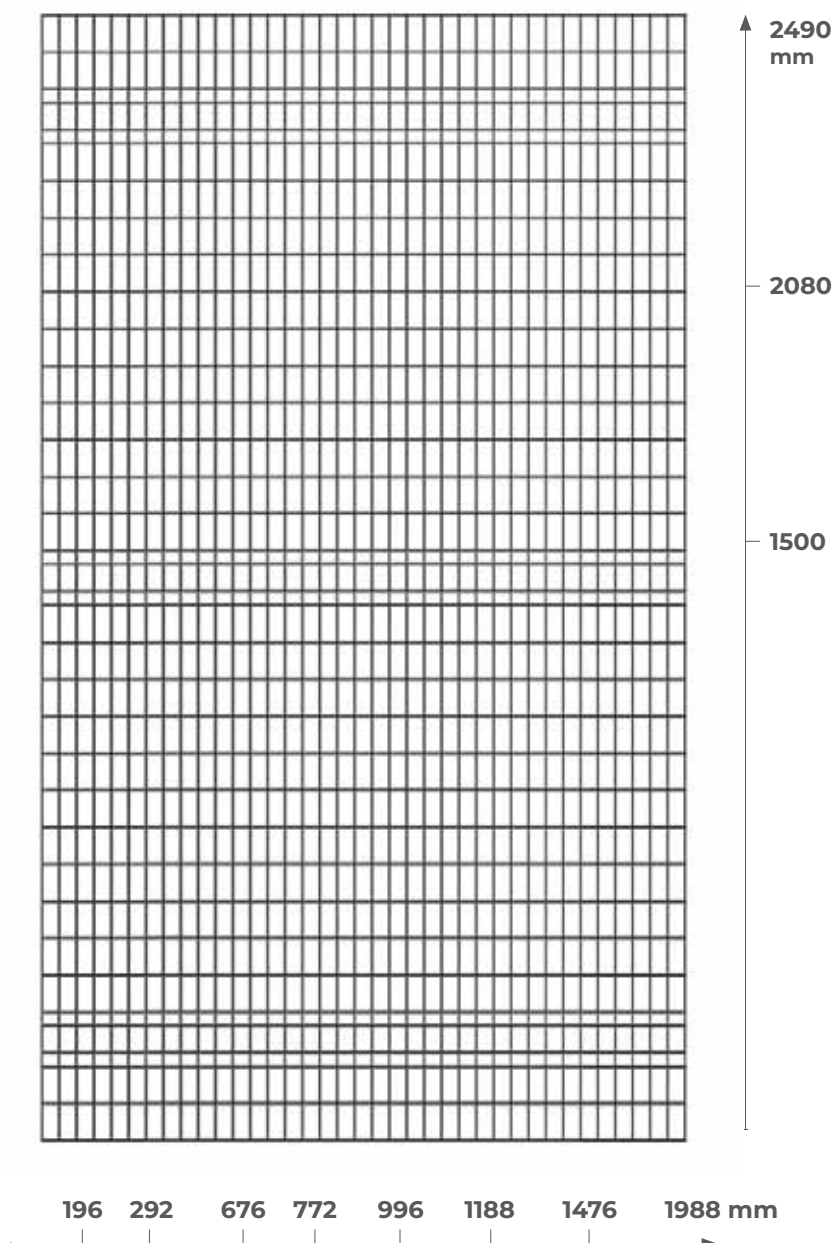
The **28x64 mm** mesh slot allows to  
install the Guard only **200 mm** from  
hazard (EN ISO 13857), reducing the  
**space** occupied by the safety perimeter.



**200mm**

## The Satech Modular Frameless Panel

8 standard widths and 3 standard heights

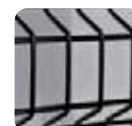


## Safe and resistant

4 mm wire and reinforcing ribs

The electrowelded mesh made of **4 mm**  
high-strength steel wire and its reinforcing  
ribs make the panel strong and able to  
dynamically absorb impacts.

WIRE Ø  
mm  
**4**





# AdaptaGuard

## *Ready for all eventualities*

The resistant and adaptable frameless Perimeter Guard

WIRE Ø  
mm

4

POST  
mm

50

## Practical

AdaptaGuard Perimeter Guards are safe, durable and easy to install. This frameless Solution is designed to be easily adaptable on-site to fit any machinery need.

## Resistant

The **4 mm wire** mesh, reinforcing ribs and 50 mm square baseplate posts make AdaptaGuard **lightweight** yet **strong**. This Solution is ideal in those situations where the risk of **impact with mechanical equipment** is high.

### Panels

MESH (mm)	32 x 68 x 4		
MESH SLOT (mm)	28 x 64		
HEIGHTS (mm)	1500	2080	2490

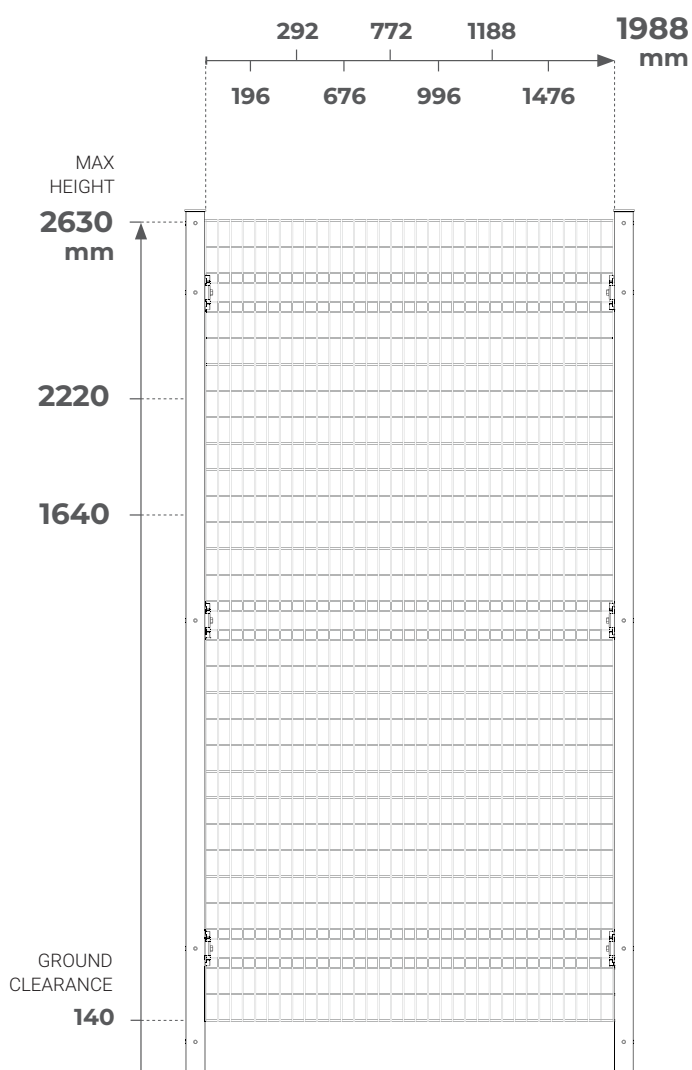
### Posts

BASEPLATES	welded, with 4 anchoring points and drilled holes for tilting		
HEIGHTS (mm)	1660	2240	2650

50  
mm

### Colors

RAL COLORS	RAL 9005	RAL 1021	RAL 7035	CustomGuard Colors
COATING	Powder (for indoor use only)			





## Adaptable directly on-site

AdaptaGuard is a robust, easy-to-assemble Perimeter Guard that allows to adapt panel shapes and size directly on-site, thus saving **plenty of time** in the event of unforeseen circumstances.

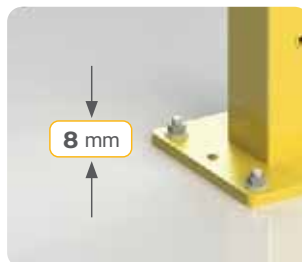


Tested for up to  
**1608 J**

## Safe and stable

### High-thickness adjustable baseplates

The 120 mm square-section baseplates with **8 mm thickness** offer stability and resistance to accidental impacts. The **holes in the middle on each side** make it possible to change the **inclination** of the posts to fit uneven floors.



## Ease of assembly

Assembling AdaptaGuard is easy and intuitive. The **high-strength nylon-fibreglass fasteners** allow to quickly position the mesh and to connect it to the post via **captive retained fastenings**. Lastly, special **Flow Drill holes** drilled in the post ensure flawless assembly.



## Unmatched versatility

### Ready for anything

AdaptaGuard's applications are unparalleled. Whether it's about making a cutout shape in the panel or a last-minute adjustment to its size, all you'll have to do is cut the mesh and the Guard will be ready for use, with **no additional work required**.

## Why choose AdaptaGuard Perimeter Guard?



The AdaptaGuard Perimeter Guard is designed and manufactured in compliance with **EN ISO 14120** and meets **Risk Assessment** safety requirements.

Price range

€€€€

Speed of assembly



Min. Distance from Hazard (mm)

**200**  
(EN ISO 13857)

Non-mesh Panel options  
(FullSteel, transparent sheet, mixed)

-



**Modular and  
adaptable on-site**



**Resistant to up to  
1608 J Impacts**

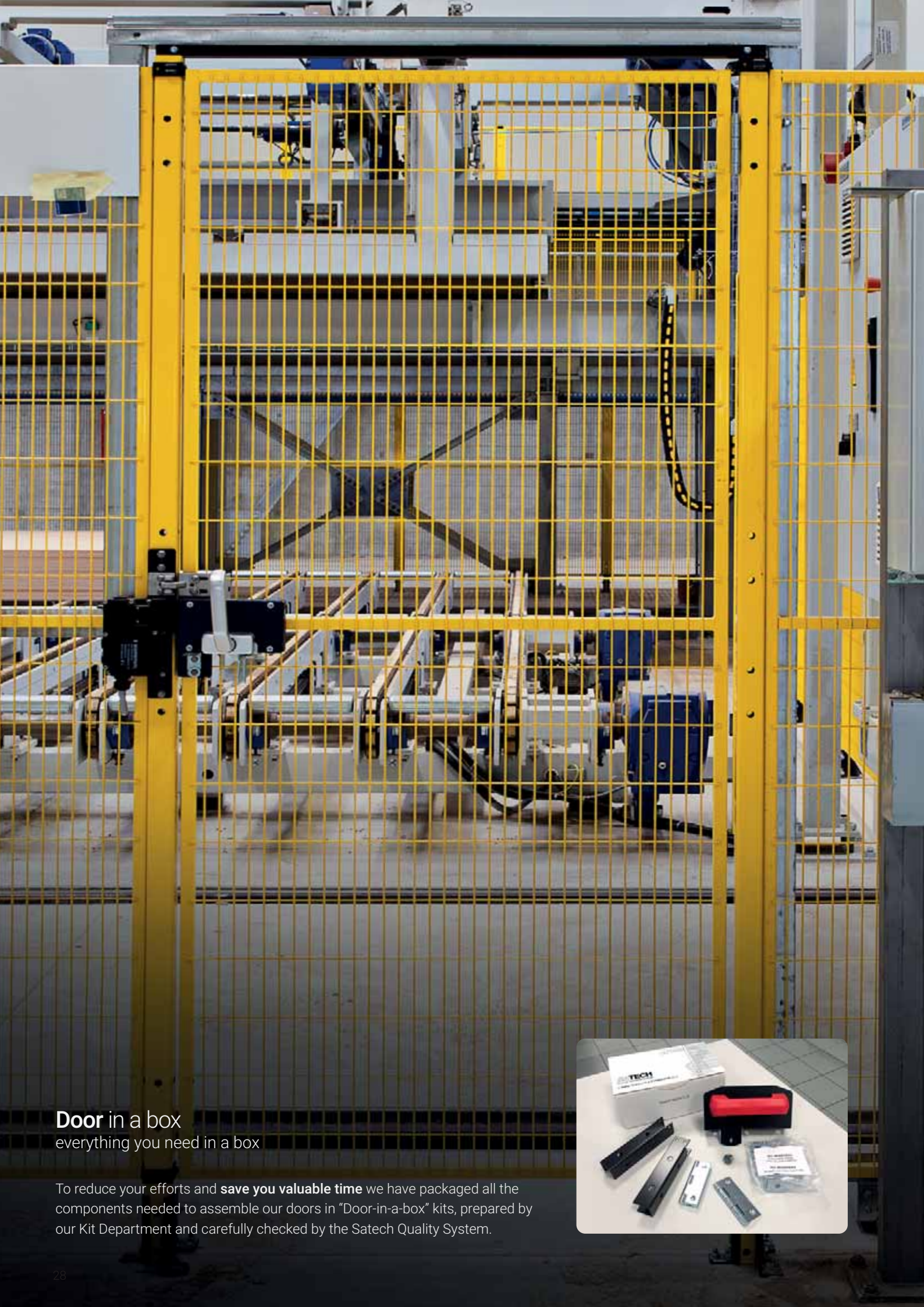


**Easy assembly  
Quick mesh installation**



**Compatible with all  
accessories and doors**





## Door in a box

everything you need in a box

To reduce your efforts and **save you valuable time** we have packaged all the components needed to assemble our doors in "Door-in-a-box" kits, prepared by our Kit Department and carefully checked by the Satech Quality System.

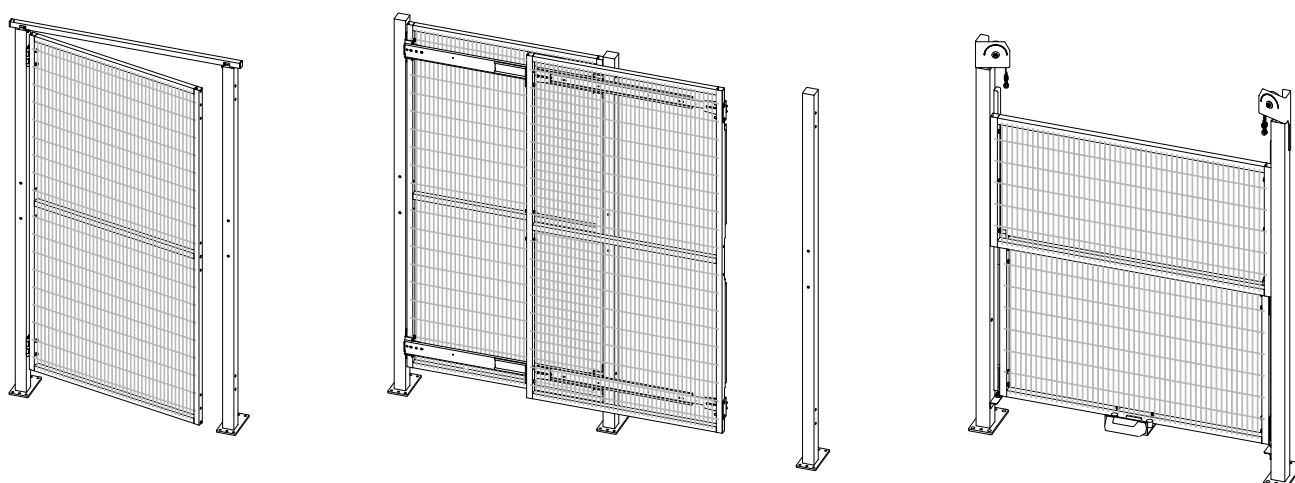




# Standard Doors

## A complete and versatile range of openings

We provide a wide range of Standard Doors Solutions for your Safety Perimeter. 5 types of movement, openings from 700 to 11,000 mm, 3 different posts sections and a variety of panel options. **Upon request, Satech doors can be supplied pre-assembled, ready for installation.**



### Simple and functional

Customizable with several panel options

Simple, solid and durable, Satech doors are built with our modular components and are easy to assemble. They can be made with any type of framed panel option (full mesh, transparent sheet, mixed) or with FullSteel sheet metal panels.

**16+** Standard Doors  
Available in stock

### Hinged, linear, vertical or hybrid?

The right door for your need

Our Standard doors - hinged, folding, with guides, linear, vertical or hybrid to optimize the opening width - are designed to enable machinery access to **people, goods, pallet trucks and various types of heavy loads.**



PEOPLE



PEOPLE  
AND GOODS



HEAVY  
LOADS

*More than 150 Lock Solutions*



### Locking systems suitable for any Performance Level (PLr)

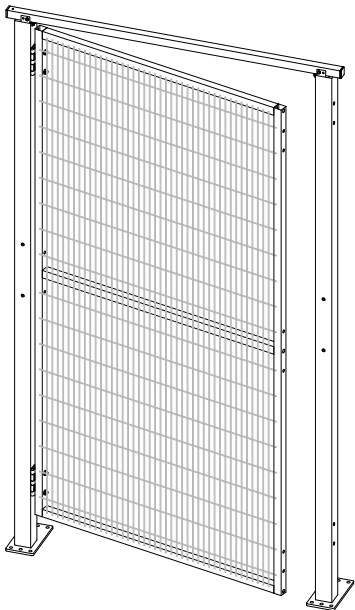
Each Satech door can be completed with a wide range of locks, from simple magnet locks to mechanical ones and interlocks, according to the Required Performance Level (PLr). We also design and manufacture brackets for your own locks.

# Hinged Door

For man passage

- POST  
mm  
40
- POST  
mm  
50
- POST  
mm  
60

MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**



Simple door for man passage equipped with hinges that guide the movement of the panel. It can be ordered **pre-assembled** with an interlock.



## VERSIONS AVAILABLE

- ✓ Single leaf
- ✓ \*Double leaf

## OPENINGS

700 to 3000\* mm

## IDEAL FOR

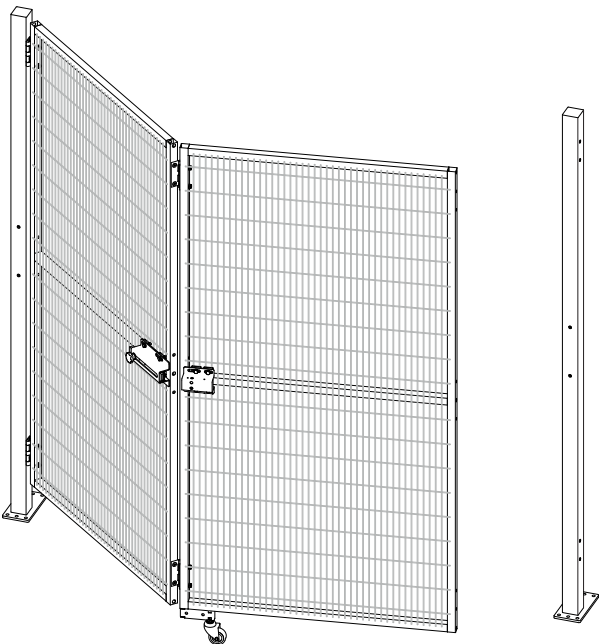


# Folding Door

Space saving

- POST  
mm  
40
- POST  
mm  
50
- POST  
mm  
60

MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**



Door designed to save space when opened. The two panels fold over each other to reduce the space occupied, while the swivel wheel provides stability throughout the movement.



## VERSIONS AVAILABLE

- ✓ Single
- ✓ \*Opposite

## OPENINGS

1400 to 6000\* mm

## IDEAL FOR



## Sliding Door

### Upper Guide

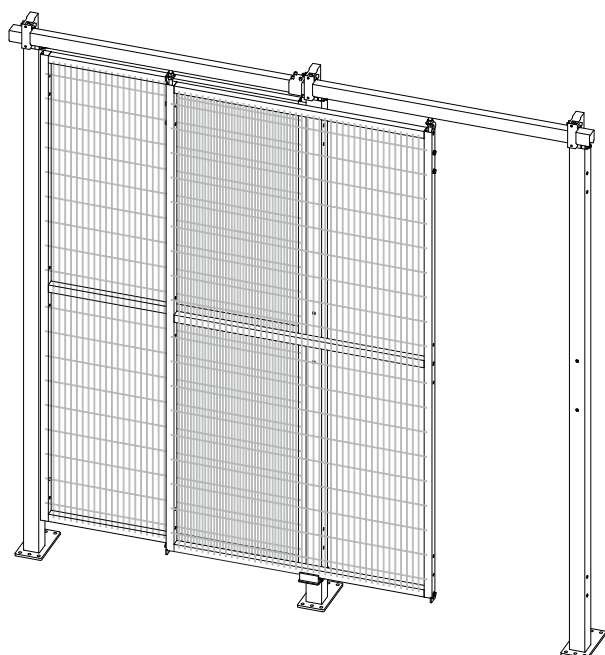
POST  
mm  
**40**

POST  
mm  
**50**

POST  
mm  
**60**



MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**



Sliding door suspended by means of an upper guide to allow the passage of loads on the ground. The lower end of the door is guided by nylon sliding pads.



#### VERSIONS AVAILABLE

- ✓ Single
- ✓ Alternate
- ✓ \*Opposed

#### OPENINGS

700 to 3000\* mm

#### IDEAL FOR



## Sliding Door

### Open Passage TX

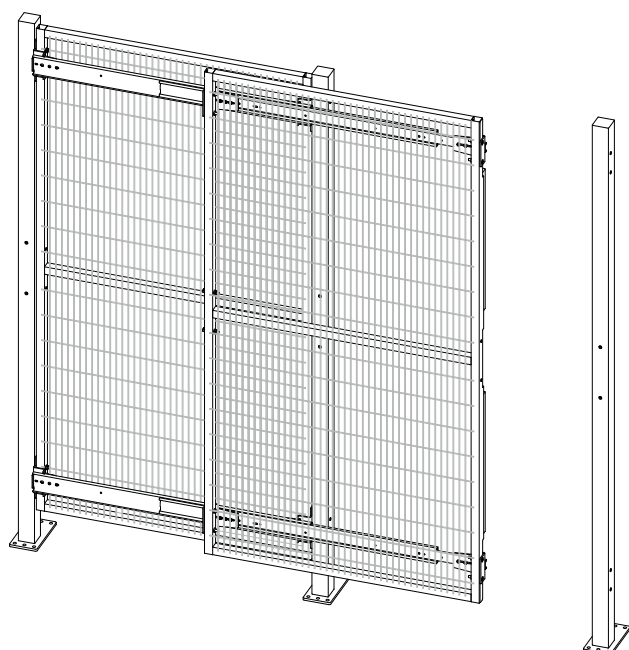
POST  
mm  
**40**

POST  
mm  
**50**

POST  
mm  
**60**



MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**



Sliding doors with a low-friction telescopic guide for panel stability and smooth sliding. Also available in the multistage version, designed for large openings.



#### VERSIONS AVAILABLE

- ✓ Single
- ✓ Opposed
- ✓ \*Multistage

#### OPENINGS

700 to 8700\* mm

#### IDEAL FOR



# Sliding Door

Open passage 2.0

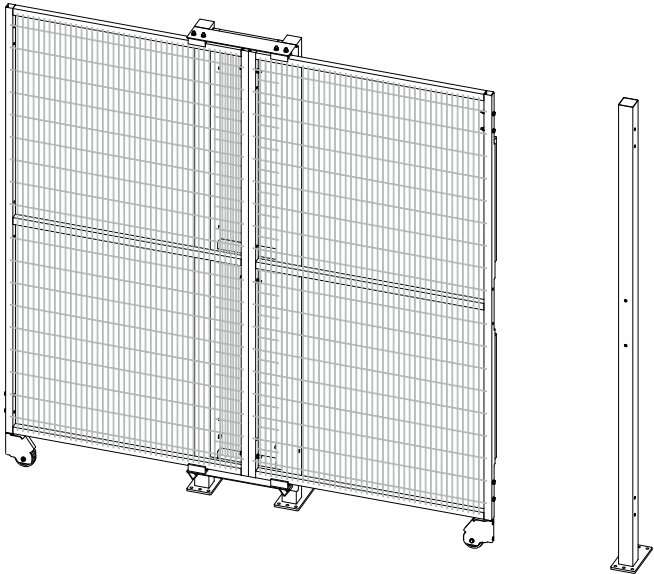
POST  
mm  
**50**

POST  
mm  
**60**



MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**

Sliding door without guides to leave the passage totally free. The movement is achieved through ground wheels and low friction sliding pads fastened to a structure of two in-line posts.



## VERSIONS AVAILABLE

- ✓ Single
- ✓ \*Opposed

## OPENINGS

1500 to 3000\* mm

## IDEAL FOR



# Sliding Door

Open passage 3.0

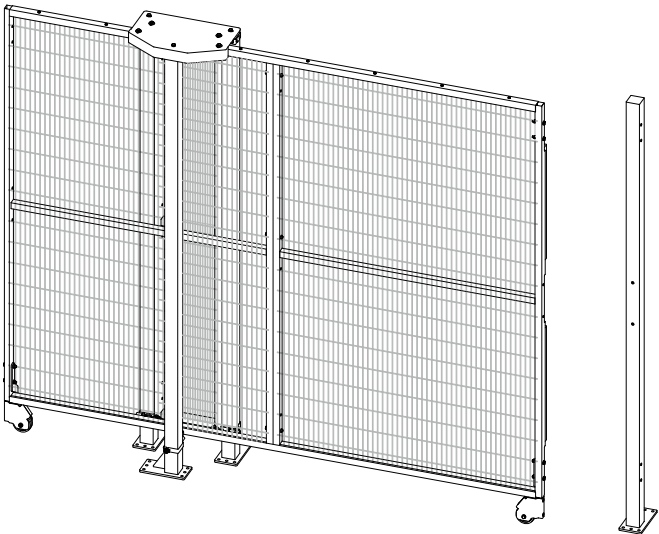
POST  
mm  
**50**

POST  
mm  
**60**



MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**

A robust sliding door designed for large openings. The sliding of panels is achieved through a system of ball bearings anchored to a three-post triangular structure.



## VERSIONS AVAILABLE

- ✓ Single
- ✓ \*Opposed

## OPENINGS

1500 to 11000\* mm

## IDEAL FOR





## Vertical Door

Manually operated

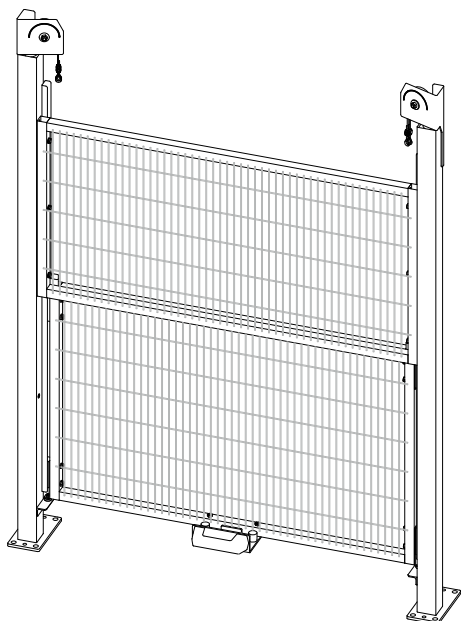
POST  
mm  
**60**

**18**

STANDARD  
NON-STOCK

MIN. ORDER PREPARATION TIME:  
**18 BUSINESS DAYS**

Door equipped with a counterweight that allows the control of the opening and closing movement. The reduced number of components makes for an easy and quick assembly.



### VERSIONS AVAILABLE

✓ Manual

### OPENINGS

up to 1500 mm

### IDEAL FOR



## Hybrid Door

Sliding + Hinged

POST  
mm  
**60**

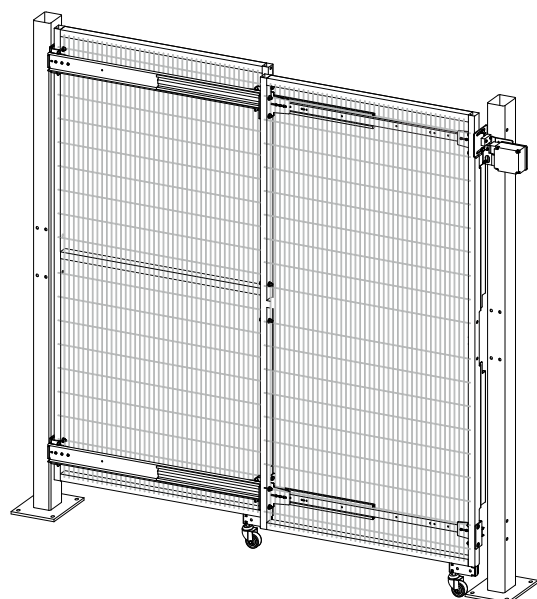
POST  
mm  
**80**

**18**

STANDARD  
NON-STOCK

MIN. ORDER PREPARATION TIME:  
**18 BUSINESS DAYS**

Door that combines the rotation and sliding of door leaves in a single movement. Ideal for layouts where the space to perform these movements is limited.



### VERSIONS AVAILABLE

✓ Single  
✓ \*Opposed

### OPENINGS

up to 12000\* mm

### IDEAL FOR





# BodyGuard

## Fall prevention guardrail

The Protection for walkways and elevated areas

TUBES  
mm  
**40**

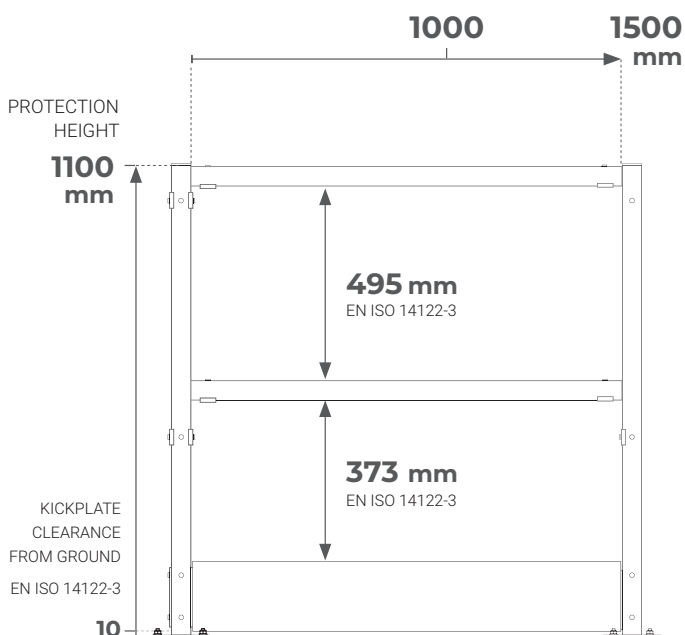


### Practical

BodyGuard is the fall prevention system for **elevated areas** or for delimiting ground walkways. It can be anchored to the **floor** with a baseplate or to the **walkway** with bolts.

### Resistant

Its lightweight structure (horizontal beams plus a kick plate) makes BodyGuard a compact and durable solution for the safety of workplace operators.



#### Tubes

**40**  
mm

TYPES	Uprights and horizontal beams	
ASSEMBLY	Linear or angular via self-centering brackets	
HEIGHTS (mm)	1100	
WIDTHS (mm)	1000	1500

#### Colors

RAL COLORS	RAL 1021	CustomGuard Colors
COATING	Powder (for indoors use only)	



## Great time saving

The reduced number of components and the self-centering brackets ensure quick assembly, **saving you valuable time.**

## Safe and stable

### Two anchoring options

Depending on the area that needs to be protected, BodyGuard can be anchored to the floor with **front bolts** or with **baseplates** bolted to the ground.



## Ease of assembly

BodyGuard allows both **linear** and **angular** assembly with the same components. The self-centering brackets guide the horizontal beams in place, while Nuts and Bolts lock them to the uprights.



## Versatile

In conjunction with the two assembly options, the modular beams-and-brackets design makes BodyGuard suitable to **delimit all types of walkways and elevated areas** - even when it comes to large surfaces.

## Why choose BodyGuard?

Price range

€€

Speed of assembly



Assembly

**Nuts  
and Bolts**



BodyGuard is designed and manufactured in compliance with **EN ISO 14122-3** and meets **Risk Assessment** safety requirements.



**Modular and solid**



**Simplified components**



**2 anchoring options**



**Available with hinged door  
(upon request)**



# AISI 304 Stainless Steel Solutions

## BlueGuard Perimeter Protection

BlueGuard is the frameless Satech Solution for the Agro-food, Chemical and Pharmaceutical industries. Made of passivated **AISI 304** Stainless Steel and food technopolymer, its open design allows for a high degree of sanitization.



### Maximum Safety

#### Food material

To avoid any potential contamination, BlueGuard components are all made of high-quality, passivated **AISI 304 Stainless Steel** to prevent oxidation. Fastenings come with food contact approved **DOMAMID® 6G30FC** inserts.

### Maximum Hygiene

#### Resistant to frequent washing

BlueGuard's open structure allows it to be fully washed. Each component is designed to withstand aggressive agents, ensuring long-term durability of this Guard.

#### Four widths, ideal for your layout

The **4 standard modular widths** of the BlueGuard panel are designed to fit any kind of layout. The frameless panel can be easily cut on-site to create all intermediate widths in **32 mm** increments.

##### 4 standard widths:

484

996

1476

1988



#### Tested on 2000+ wash cycles

BlueGuard has been subjected to strict endurance tests for more than **2000 wash cycles** (6 years of use) with the following ECOLAB® detergents:

TOPAZ AC5

P3-TOPAX 990

TOPACTIVE DES

P3-TOPAX 66

TOPAZ HD3

TOPAZ MD3



## Hygienic Design in 4 steps



### REDUCED CONTACT SURFACES

minimized metal-to-metal contact



### OPEN DESIGN AND INCLINED SURFACES

allows for full cleaning inspection and prevents the accumulation of dust and residue



### FLOOR SPACERS

to avoid liquids pooling and ease cleaning of surrounding areas

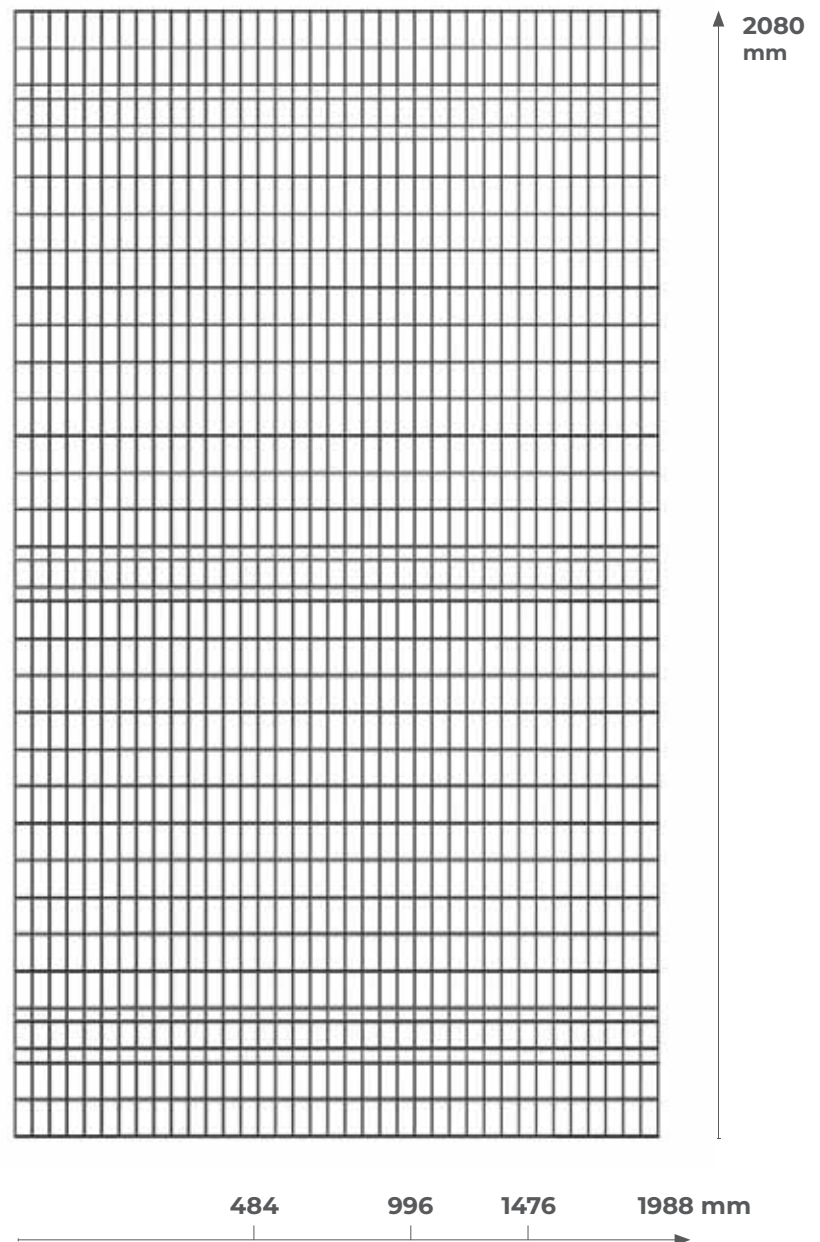


### TIG WELDING

maximum cavity reduction to ensure complete sealing of each joint

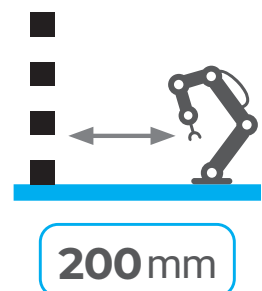
## Stainless Steel Modular Frameless Panel

4 standard widths and 1 standard height



## Less distance, more space saved

The **28x64 mm** mesh slot allows to install the Guard only **200 mm** from hazard (EN ISO 13857), reducing the **space** occupied by the safety perimeter.





# BlueGuard hygienic fencing

## Safety and Hygiene

The Stainless Steel Perimeter Guard

WIRE Ø  
mm

4

POST  
mm

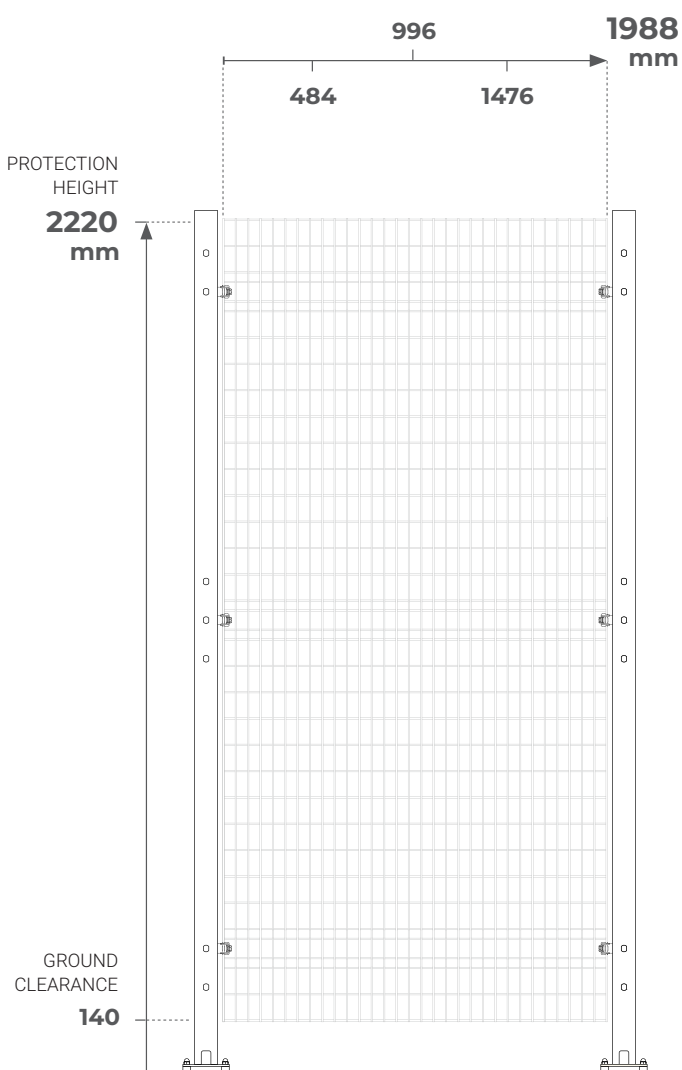
60

## Hygienic and Safe

BlueGuard combines the **safety** and **versatility** of Satech Perimeter Guards with the **high hygienic standards** required in the **Agro-food, Chemical and Pharmaceutical** industries.

## Adaptable and Inspectable

BlueGuard is a frameless Perimeter Guard that can be **adapted directly on-site** to **save valuable time**. The open, U-shaped posts and the floor spacers make **washing** and **inspections** very easy to perform.



### Panels

MESH (mm)	32 x 68 x 4
MESH SLOT (mm)	28 x 64
HEIGHTS (mm)	2080

### Posts

BASEPLATES	with 4 anchoring points and floor spacers
HEIGHTS (mm)	2240

60  
mm

### Materials

POSTS AND PANELS	High quality passivated AISI 304 Stainless Steel
TECHNOPOLYMER	DOMAMID® 6G30FC for food



## Durable and tested for high-pressure washing

BlueGuard is a Perimeter Guard designed to be durable and to withstand accidental impacts, **aggressive environments** and **frequent high-pressure washing**.



Tested for up to  
**500 J**

## Safe and resistant

### 4 mm wire and reinforcement ribs

The frameless, **AISI 304 Stainless Steel** panel in **4 mm wire** is strengthened by **reinforcing ribs** to absorb any impact dynamically. The panel is connected to the U-shaped posts by sturdy **captive retained fastenings** in accordance with the **2006/42/EC Machinery Directive**.



## Simple and ergonomical

BlueGuard is easy to assemble. A **single type of post** for linear, angular and door assembly reduces installation time. Its **wide ribs** ease the use of electric tools, while the lack of a frame allows to **adapt** and fit the size of the panel directly on-site.



DEVELOPED IN  
COLLABORATION  
WITH EHEDG

BlueGuard was born from the collaboration with **EHEDG** (the European Hygienic Engineering and Design Group) and complies with the high hygienic standards required in the Agro-food, Chemical and Pharmaceutical industries (**EN 1672-2** and **EN ISO 14159**).

## Why choose BlueGuard Perimeter Guard?

Price range

€€€€€

Speed of assembly



Min. Distance from Hazard (mm)

**200**  
(EN ISO 13857)

Non-mesh Panel options  
(FullSteel, transparent sheet, mixed)

-



The BlueGuard Perimeter Guard is designed and manufactured in compliance with **EN ISO 14120** and meets **Risk Assessment** safety requirements.



**Modular and sanitizable**



**Suitable for aggressive environments**



**Frameless  
Adaptable on-site**



**Tested for accidental impacts up to 500 J**





# Doors and Accessories

## BlueGuard hygienic fencing

Access to Stainless Steel perimeters is provided by hinged and sliding doors, with single or double opening. Doors and accessories of BlueGuard Perimeter Guards are designed and manufactured in strict accordance with Hygienic Design guidelines.

## Accessories

### 1 Variable angle

BlueGuard's universal post allows linear (180°) and angular (90°) panel assembly. The variable angle kit is an accessory to join panels at an angle between 20° and 70°.



### 2 Post support strut

The post support strut helps reinforcing posts subjected to significant horizontal dynamic loads as well as the ones placed in critical layout positions.



### 3 Safety Switch Brackets

Stainless Steel brackets to support Safety Switches. Models compatible with products from leading manufacturers as well as designed upon request.



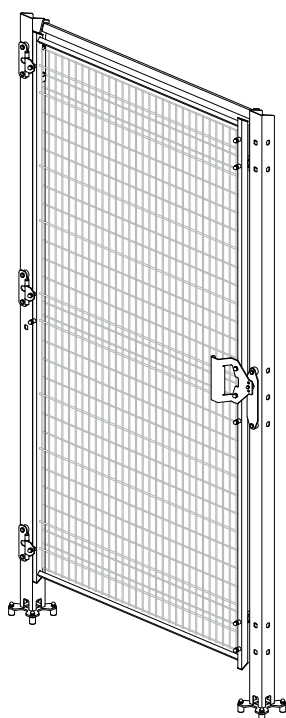
## Hinged Door

For man passage

POST  
mm  
**60**



MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**



Simple door for man passage featuring hinges, framed panel with flat welded mesh (4 and 6 mm wire), 20x30 mm upper crossbar and magnet lock.



### VERSIONS AVAILABLE

- ✓ Single leaf
- ✓ \*Double leaf

### OPENINGS

800 and 1000 mm  
1600\* and 2000\* mm

### IDEAL FOR



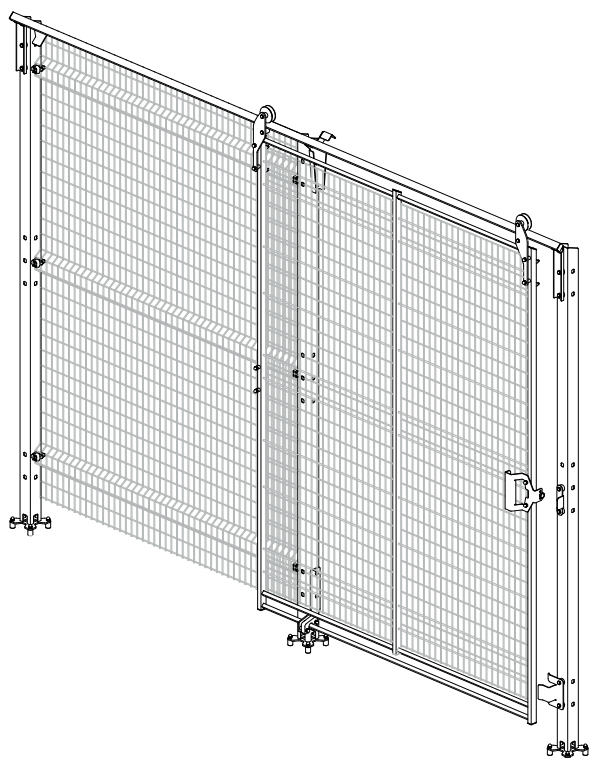
## Sliding Door

Upper Guide

POST  
mm  
**60**



MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**



Sliding door with an open upper guide. Features framed panel door leaves with flat welded mesh (4 and 6 mm wire), 20x30 mm upper guide and magnet lock.



### VERSIONS AVAILABLE

- ✓ Single

### OPENINGS

1300 and 2000 mm

### IDEAL FOR



**SCHMERSAL**

[www.schmersal.com](http://www.schmersal.com)

K.A. Schmersal GmbH & Co. KG

Mödinghofe 30

DE-42279 Wuppertal

Made in Germany



Power ☐

Fault ☐

Status ☐

 **SCHMERSAL**

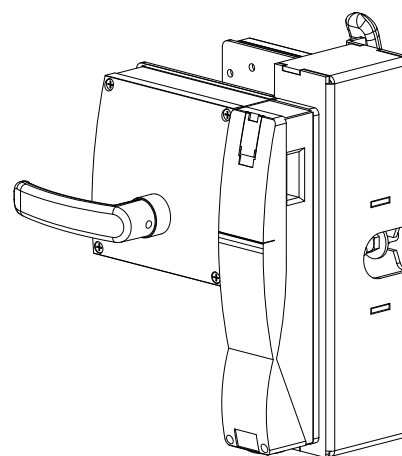
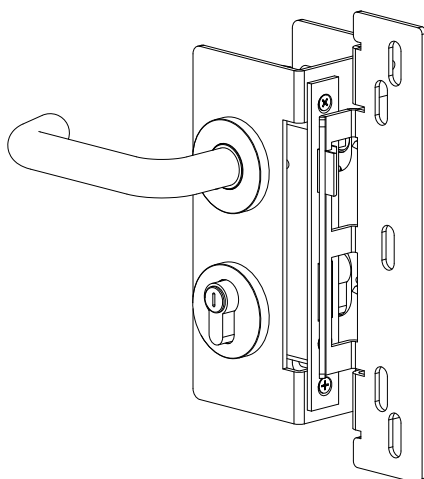
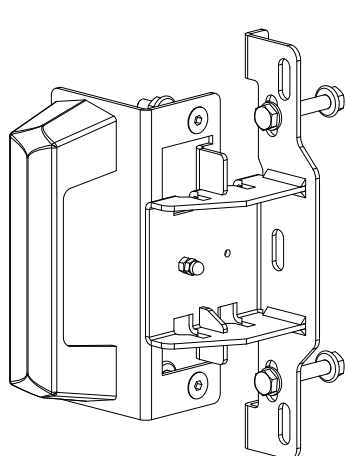




# Locking Systems

## Safe Access at any Level

Satech doors can be completed by over **150 models of locks** with different mechanisms, so as to reach the **Performance Level required (PLr)** for control systems.



GET TO KNOW MORE

### Which lock is right for you?

Control Systems and Performance Level Required

The **EN ISO 13849-1 Standard** defines the requirements to design and construct **control systems and their parts for the safety of machinery**. Among these, **locks installed on the Guards** are part of control systems.

Determining the safety functions performed by control systems is an important step for risk reduction. Each safety function is associated to a **Required Performance Level (PLr)**, i.e. the Performance Level to be reached in order to achieve the required

**150+** Locking Solutions available

risk reduction for each safety function. Performance Levels are determined by the following: **severity of injury, frequency and/or exposure to a hazard** and the **possibility of avoiding hazard or limiting harm**.

The greater the amount of risk reduction required, the higher the PLr must be. It is for this reason that **different locks fulfill different safety needs**.

REQUIRED PERFORMANCE LEVEL (PLr)	A	B	C	D	E

Low risk High Risk

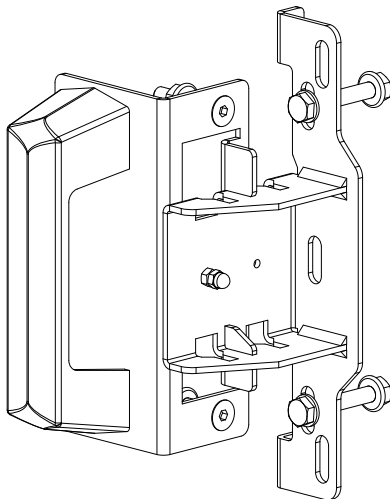
#### IMPORTANT

Risk assessment as well as the determination of safety functions and performance levels are the sole responsibility of the customer. Satech is limited to the sale of products and assumes no responsibility if the locking system purchased covers a Performance Level that is not appropriate for the corresponding control system.

**Proper risk assessment conducted by experienced and qualified professionals will tell you which locking system is the right choice for you.**

# Magnet Lock

Ergonomics and safety



MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**

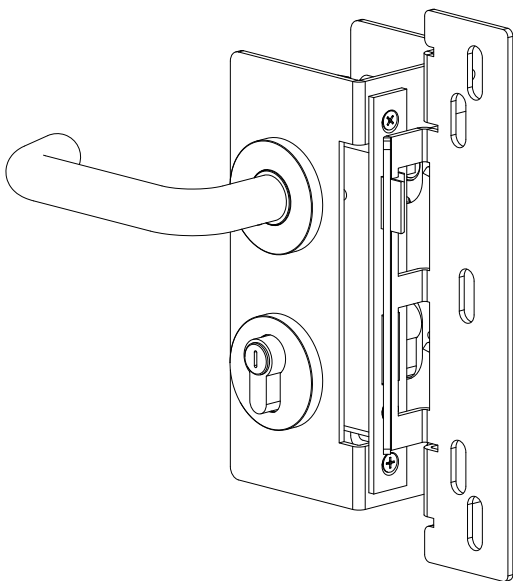
Lock consisting of a plate with a high-visibility ergonomic handle and a supermagnet that secures the door in place. Ideal when there is **no risk** involved.



VERSIONS AVAILABLE	MAX. PLr
<div>✓ Magnet</div>	Not applicable

# Mechanical Locks

Versatility and functionality



MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**

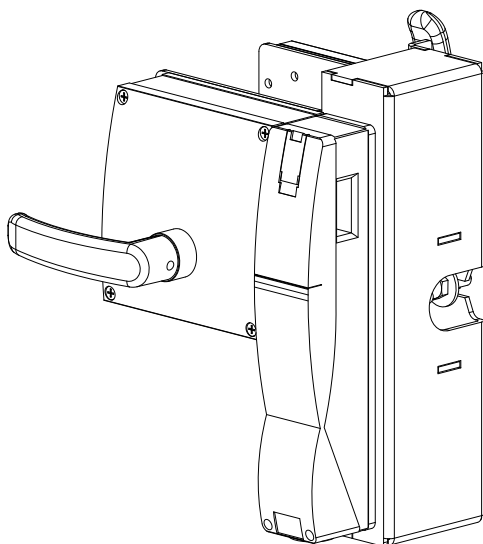
Locks suitable for situations where **the risk is low**, e.g. for the partitioning of areas. They provide perfect integration with brackets and Safety Switches.



VERSIONS AVAILABLE	MAX. PLr
<div>✓ With key</div> <div>✓ With panic handle</div>	Not applicable

## Interlocked Locks

Maximum protection of operators and processes



MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**

Device connected to the machine control system. When in open position, it stops the machine from working. Suitable in the presence of **high risk**.



### VERSIONS AVAILABLE

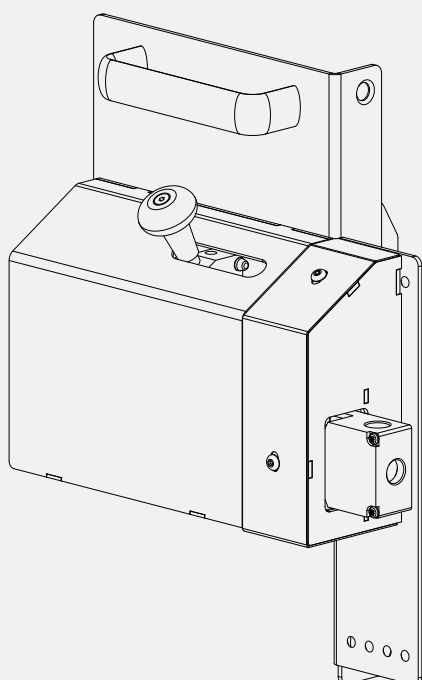
- ✓ Interlocks from leading manufacturers (Schmersal, Euchner, Pizzato, Pilz...)

### MAX. PLr

E

## D-FenceLock

Durability and reliability



MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**

The Satech D-FenceLock with **integrated Safety Switch** features a Safety Switch or an interlock, panic release and hold-open device to prevent accidental lockups.



### VERSIONS AVAILABLE

- ✓ D-FenceLock 3
- ✓ D-FenceLock 4

### MAX. PLr

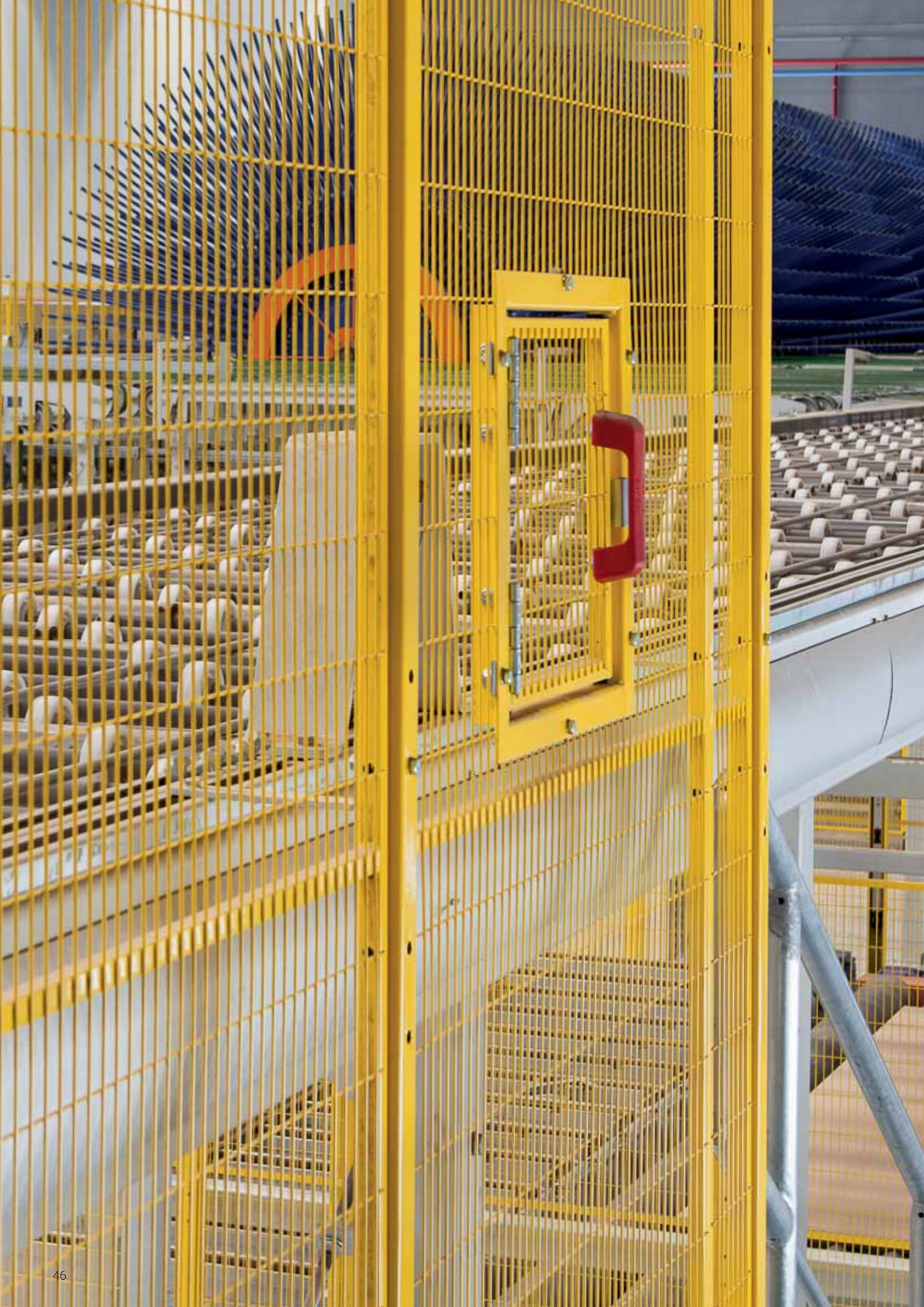
C

D-FenceLock 3

D

D-FenceLock 4



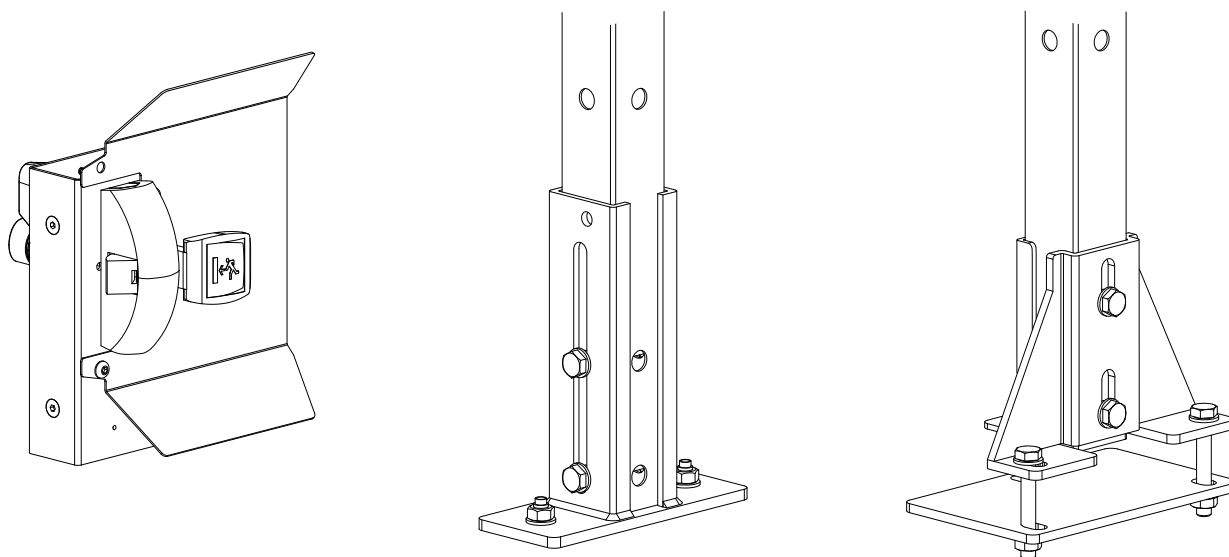




# Accessories and Brackets

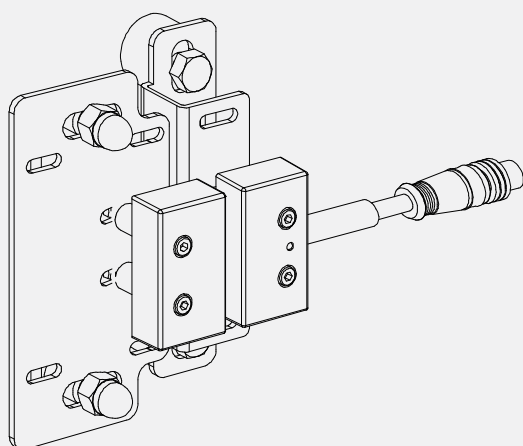
## Personalization and functionality

A complete range of accessories and assembly complements designed for the completion and personalization of your Perimeter Guard. On top of that, a choice of over 90 brackets for Safety Switches, Locks and Interlocks compatible with systems from leading manufacturers.



### Brackets

for Safety Switches  
and Locking Systems



**90+** Models  
available



MIN. ORDER PREPARATION TIME:  
**6 TO 20 BUSINESS DAYS**

More than 60 types of brackets for **type 2** (key) and **type 4** (magnet) **Safety Switches**. Compatible with products from leading manufacturers such as Allen Bradley, Bernstein, Leuze, Omron, Pilz, Pizzato, Schmersal, Sick, Siemens, Telemecanique-Schneider, etc. Our catalog of **brackets for locking systems and safety interlocks** features more than 30 standard models, designed for products by Allen Bradley, Dold, Euchner, Fortress, Guard Master, Omron, Pilz, Pizzato, Rockwell, Schmersal, Siemens, Sick, Telemecanique-Schneider, etc. CustomGuard brackets, on the other hand, are custom designed for any type of Safety Switch, lock and interlock.

#### VERSIONS AVAILABLE

- ✓ All major brands
- ✓ CustomGuard (custom design)

#### COMPATIBILITY

Hinged doors, folding doors, sliding doors (linear and vertical opening movement)

# Gratings Counterplate





MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**

Counterplate for fixing posts on grid floors with a maximum thickness of 30 mm. The fixation with nuts and bolts ensures maximum stability of the system.

## VERSIONS AVAILABLE

- ✓ 100 x 160 mm
- ✓ 120 x 120 mm
- ✓ 100 x 200 mm

## COMPATIBILITY

POST  
mm  
**40**

POST  
mm  
**50**

POST  
mm  
**60**

# Weld Plate





MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**

5 mm thick plate with threaded holes suitable for welding on metal surfaces where drilling is not possible. The fixation with nuts and bolts ensures maximum stability.

## VERSIONS AVAILABLE

- ✓ 120 x 120 mm
- ✓ 120 x 180 mm
- ✓ 100 x 200 mm

## COMPATIBILITY

POST  
mm  
**40**

POST  
mm  
**50**

POST  
mm  
**60**

# Stabilizing Post support strut





MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**

The support strut helps reinforcing posts subjected to significant horizontal dynamic loads as well as the ones that are placed in critical layout positions.

## VERSIONS AVAILABLE

- ✓ 40 x 40 mm

## COMPATIBILITY

POST  
mm  
**40**

POST  
mm  
**50**

POST  
mm  
**60**

## Adjustable Baseplate



MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**

Designed to adjust posts footing to uneven floors in industrial settings. Adjustable up to 100 mm, both for 50 x 50 mm and 60 x 60 mm posts.

### VERSIONS AVAILABLE

- ✓ 50 x 50 mm
- ✓ 60 x 60 mm

### COMPATIBILITY



## Cable Duct Support



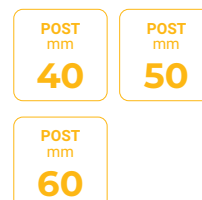
MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**

Fast-coupling cable duct support to fasten the cable duct directly to the post. Ergonomically shaped with no sharp edges for improved safety.

### VERSIONS AVAILABLE

- ✓ 40 x 40 mm
- ✓ 50 x 50 mm
- ✓ 60 x 60 mm

### COMPATIBILITY



## Reinforced linear Junction



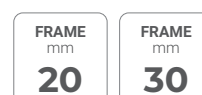
MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**

Joins two panels without using a central post, e.g. in the presence of obstructions (cables, pipes, etc.), optimizing assembly and material costs.

### VERSIONS AVAILABLE

- ✓ 20 x 20 mm
- ✓ 30 x 30 mm

### COMPATIBILITY





# Ground Kick Plate





MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**

Made of 2 mm metal sheet, it fills the gap between the panel and the floor to contain the ejection of residues (waste, scraps...) from production processes.

### VERSIONS AVAILABLE

- ✓ For framed panels
- ✓ For AdaptaGuard panels

### COMPATIBILITY

FRAME  
mm

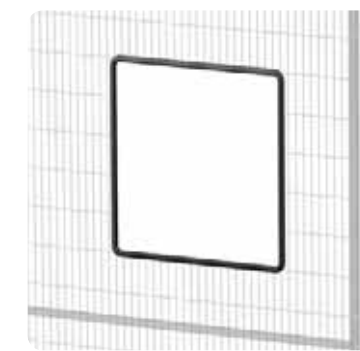
**20**

FRAME  
mm

**30**

FRAMELESS  
AdaptaGuard

# Rubber Profile





MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**

A gasket made from a steel-reinforced rubber profile for the finishing of panel cutout shapes made on-site.

### VERSIONS AVAILABLE

- ✓ Universal - different sizes available

### COMPATIBILITY

FRAME  
mm

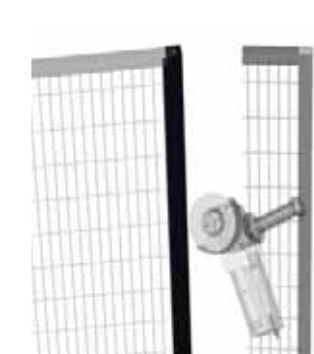
**20**

FRAME  
mm

**30**

FRAMELESS  
AdaptaGuard

# Cutting Kit for framed panels





MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**

Kit for the resizing and trimming of framed panels. It consists of a cut-to-size tube, a U-profile and self-drilling screws.

### VERSIONS AVAILABLE

- ✓ 20 x 20 mm
- ✓ 30 x 30 mm
- ✓ Different sizes available

### COMPATIBILITY

FRAME  
mm

**20**

FRAME  
mm

**30**

FRAMELESS  
AdaptaGuard

## Insert with door



MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**

Openings with inserts for inspections or sampling operations for statistical process control. It can be coupled with Safety Switches or interlocks.

### VERSIONS AVAILABLE

- ✓ 400 x 400 mm
- ✓ 600 x 600 mm

### COMPATIBILITY

FRAME mm	FRAME mm
<b>20</b>	<b>30</b>

## Anti-effraction plate for panic locks



MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**

Specifically designed for panic locks, it prevents the access to the emergency release from outside the safety perimeter.

### VERSIONS AVAILABLE

- ✓ Universal

### COMPATIBILITY

FRAME mm	FRAME mm
<b>20</b>	<b>30</b>

## Ground latch for doors



MIN. ORDER PREPARATION TIME:  
**6 BUSINESS DAYS**

Device designed to provide greater stiffness to doors when closed. Especially suitable for single/double hinged doors as well as for folding doors.

### VERSIONS AVAILABLE

- ✓ Universal

### COMPATIBILITY

FRAME mm	FRAME mm
<b>20</b>	<b>30</b>



# CustomGuard

## Your personalized Solution

We provide solutions with different levels of customization: colors, finishes, shapes, dimensions, as well as custom-made products such as brackets for accessories or Safety Switches and automated openings. Need adaptations, cuts or cutouts? Our CustomGuard Department will do that for you.

### Color

An endless choice of hues

Thanks to our three-cabin automated powder coating line we are able to manufacture **panels, posts and accessories in any RAL color**, either with a smooth or pebbled finish. We will also provide you recommendations about the Guard color that best fits your Machinery in accordance with the requirements set by Safety Standards (EN ISO 14120 - 5.9).



MIN. ORDER PREPARATION TIME:  
**+5 BUSINESS DAYS**



### Anti-corrosion Finishes

Galvanizing and Triplex System

Our Guards can be completed with **hot-dip galvanizing**, a process that extends their life by protecting the steel from corrosion and weathering. To ensure even greater durability, our TRIPLEX System completes the **rustproofing** provided by hot-dip galvanizing with a **powder coating surface finish**.



MIN. ORDER PREPARATION TIME:  
**+17 BUSINESS DAYS**



CustomGuard  
Panels

FRAME  
mm

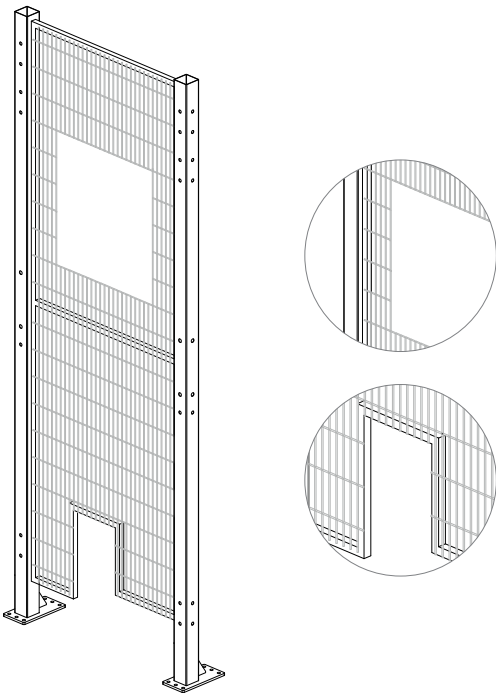
20

FRAME  
mm

30

11

MIN. ORDER PREPARATION TIME:  
11 BUSINESS DAYS



Panels with **personalized dimensions** or with **profile shapes and cutout shapes** to adapt the Guards to protruding parts of machinery, such as conveyors for loading or unloading, control panels, electrical and hydraulic lines.



CustomGuard  
Posts

LARGER  
SECTIONS  
mm

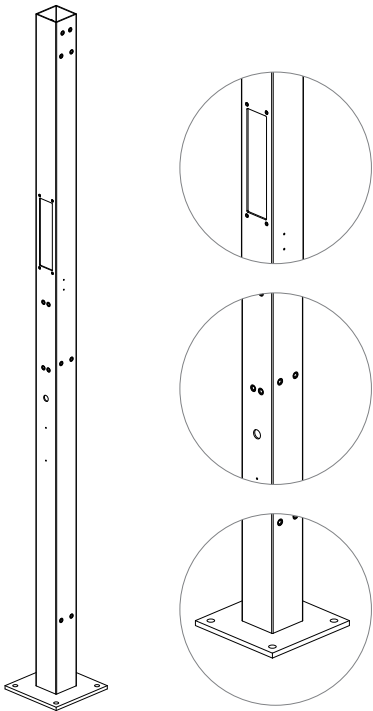
80

LARGER  
SECTIONS  
mm

120

14

MIN. ORDER PREPARATION TIME:  
14 BUSINESS DAYS



Posts with **non-standard heights** or with **larger sections** to ensure maximum stability. **Drillings** for the installation of accessories or locking systems. **Laser cuts** to create housings for electronic devices, for the installment of light barriers, etc.







# CustomGuard Brackets



MIN. ORDER PREPARATION TIME:  
**14 BUSINESS DAYS**

We create **custom brackets** for Safety Switches and interlocks. The database of our personalized Solutions includes several thousand designs, but our mechanical designers are always available to help you create your own bracket.






# CustomGuard Doors



MIN. ORDER PREPARATION TIME:  
**25 TO 35 BUSINESS DAYS**

**Vertical-opening** solutions for space-saving and **sliding doors** with openings up to 15 meters. CustomGuard doors can be manually operated, pneumatic or motorized.



<b>OPTIONS AVAILABLE</b> <ul style="list-style-type: none"> <li>✓ Dimensions</li> <li>✓ Types of movement</li> <li>✓ Manual</li> <li>✓ Pneumatic</li> <li>✓ Motorized</li> </ul>	<b>OPENINGS</b> upon request - up to 15 meters  <b>IDEAL FOR</b> <div>    </div>
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# Satech**Lab**

## Consulting and turnkey projects

A personalized project comes to life when your needs meet our experience. Inspection, analysis, design, testing: we listen to your ideas and turn them into the most effective and convenient solution.



### Expert and qualified **Professionals**

Satech**Lab** is the Team of professionals at your disposal to perform site surveys, collect the necessary information and develop your turnkey project. Automated doors, complex structures, custom designs: we help you find the best solution for the safety of your industrial facility. In addition to consulting, Satech**Lab** provides several value-added services.



**COMPLETE MANAGEMENT**  
OF YOUR TAILOR-MADE  
PROJECT



**OPTIMIZATION**  
OF COMPONENTS



## Value-added Services

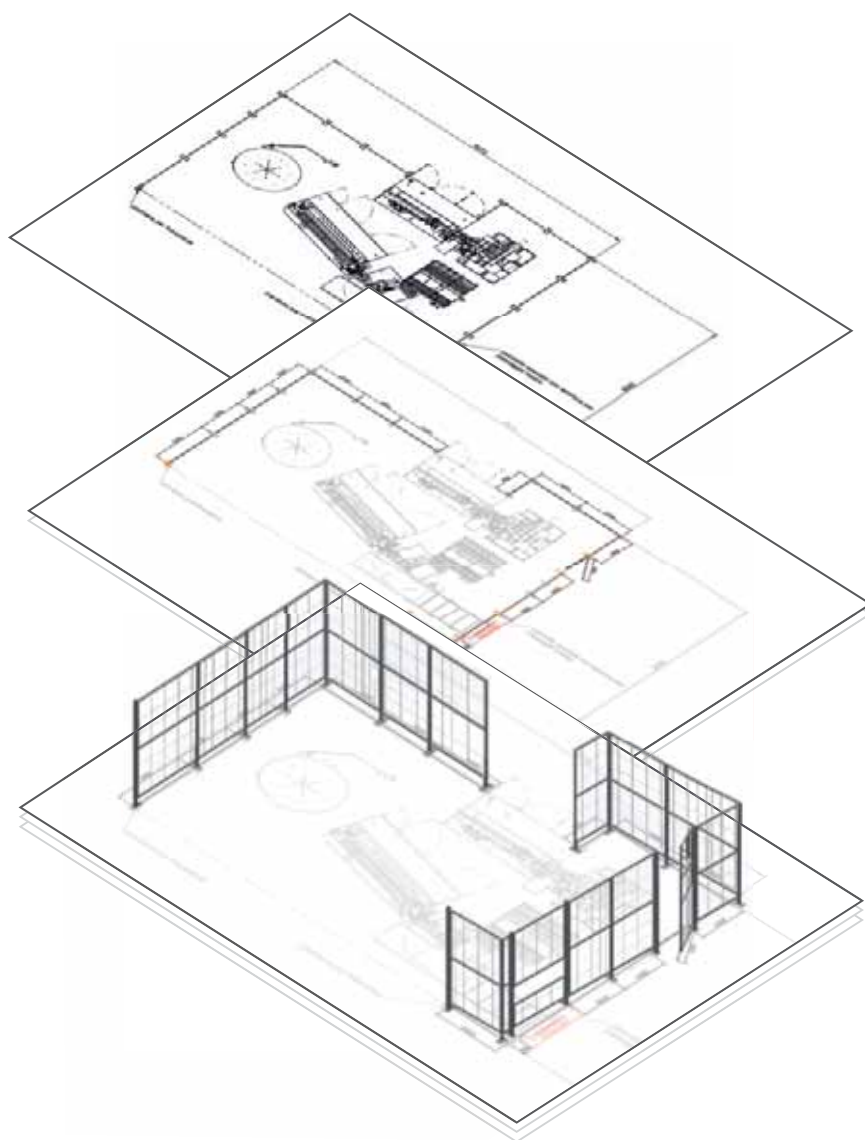
### Training of your operators

SatechLab's **Training Center** is available to organize training sessions with your installers team on the assembly of Satech Solutions, both Standard and Custom.



### Test Center Assembly and Impact Tests

The **Test Center** is the place where assembly tests of the proposed Solutions are conducted before drafting their dedicated assembly instructions. EN ISO 14120 **Impact Tests** can also be performed upon request.



## Collaborations

### A network of external partners

Over the years SatechLab has developed a network of external laboratories and professionals with whom it collaborates continuously to meet any need.



IMPACT TEST  
EN ISO 14120





## Pre-assembly Service

Pre-assembly of doors, locking systems, panels, electrical pre-wiring and verification tests

By requesting our pre-assembly service, we will take care of assembling doors, panels, locks, handles, Safety Switches and on-board electronics of your Guards at our facility.

The components will be delivered to you **ready to be installed**, saving the installers of your Perimeter Guard a **significant amount of time**.



## On-site assembly Service

All the assistance you need for the installation of your Perimeter Guards

Our assembly teams are available anywhere in the world to **assemble your Guards**. The operators are **experienced professionals** trained at the Satech Technical Center in Bulciago (Italy), a facility equipped with the whole range of our products to practice full-scale assembly.



TIME SAVING  
FOR ASSEMBLY



REDUCTION OF  
POTENTIAL MISTAKES  
DURING ASSEMBLY



## Customer Service

Always by your side

Invoices, delivery notes, Declarations of Conformity, country of origin  
Declarations, product catalogs and leaflets: we take care of all the  
documentation you need to complete your order.

Our operators will also provide you with updates on the status of current orders,  
including expected departure and delivery dates.

**15** Sales assistants  
Ready to help you

## Guide to our products

Our Customer Service will guide you  
in choosing Satech products, clear  
up any doubts and refer you to our  
Quotations Department **for a free,  
no-obligation quote.**

## Questions about orders?

Our Customer Service is available to  
help you with **complete assistance**  
and to find answers to all your  
questions.

**+39.031.8623.085**

# Modular Machine Guards that fit your needs.

Tailor-made Solutions for the safety of operators and machinery



Protecting workers and machinery is paramount to create a safe and productive work environment. Satech Modular Machine Guards Systems, Doors and Accessories provide tailor-made Solutions for any machinery layout need.

**3 framed Systems, 2 frameless Systems, doors, accessories and a wide range of locking systems** ensure the maximum level of protection when accessing hazard areas for inspection or machinery maintenance.

## Perimeter Protection Machine Safety Guards compliant with European and International Standards

Satech Machine Guards are manufactured in compliance with the EN ISO 14120 Standard, "General requirements for the design and construction of fixed and movable Guards". They can be installed at a minimum distance of **120 mm from hazard** (in accordance with EN ISO 13857), saving you valuable layout space.

All Satech products are manufactured with **quality materials** and are highly durable. Mesh panels can be **easily connected to posts** with quick assembly systems (equipped with captive retained fastenings, in accordance with 2006/42/CE - Machinery Directive), which allows you to **greatly reduce assembly time**.

Satech is the first Italian manufacturer of Modular Machine Guards. A **modern international company** today, in its 20+ years of work it has contributed to the safety of thousands of automated machinery systems and the protection of millions of people worldwide.



## Need a quotation?

If you're looking for a **free, no-obligation quote**, just go to  
**[www.satech.it/en](http://www.satech.it/en)**

**QUICK  
Contact**



**SATECH**  
Modular Machine Guards

**Satech Safety Technology SpA**

Via Conte Taverna, 1  
I-23892 Bulciago (LC)  
Phone +39 031 86230 11

