



## **MiniTec** PROTECTION SYSTEM

PRODUCT CATALOG



PRODUCTS



SOLUTIONS



SERVICE

## **Protection systems**

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## Safety fences and partitions



### Individual protective devices in mechanical engineering

MiniTec offers a large number of solutions for optimum protection in modern production facilities. Use our safety fences in standard sizes or made to measure, access controls, lifting doors and vertically traversable protective hoods as well as office modules and protect the machines, plants and employees in your company. Components for effective noise control are also available to you.

The modular MiniTec protection systems are based on the tried and tested modular profile system. With the MiniTec iCAD Assembler design software, guards can be designed in the shortest possible time. Our standardised modules are particularly cost-effective solutions, taking into consideration the current standards and the Machinery Directive. Accordingly, guards must prevent access to the source of danger and at the same protect against ejected parts, moving machine parts or escaping liquids. At the same times, the guard must also be designed so that it cannot be removed without tools.

With the MiniTec protection system, protection panels made of aluminium and stainless steel with diverse dimensions, and a portfolio of high-quality accessories are available to you for protection of your production facilities. With posts, doors and robust fastening kits, you can flexibly design protective devices such as guards for machines and plants. With MiniTec, you can count on an experienced manufacturer of protection systems for plant and machine protection. Benefit from maximum design freedom and flexibility, whereby machinery and product safety directives and guidelines as well as the highest safety standards are met.

## High safety standards

Individually arranged protection devices are a frequent application of the MiniTec profile system. With our free iCAD Assembler design tool, guard systems can be designed in the shortest possible time, which exactly meet customer requirements. They are also adapted to high safety standards and visual standards. Our standardized modules are particularly cost-effective solutions, developed taking into account the current standards and the Machinery Directive. Guards must prevent access to the hazard and at the same time

protect against ejected parts, moving machine parts or escaping liquids. The device must be designed so that it cannot be removed without tools. However, the design must also always be preceded by a risk assessment to EN ISO 12100-1 by the plant manufacturer.

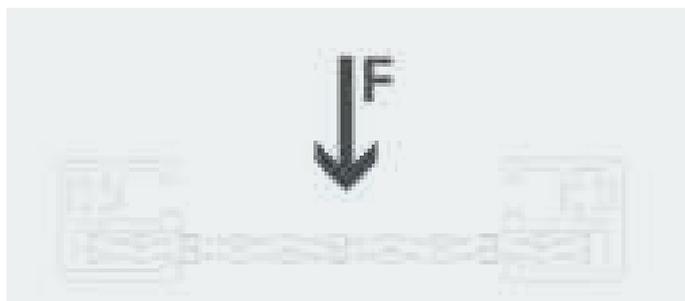
## Safety distances

“Guards are usually used to safeguard danger zones. The EN 13857 standard defines safety distances to prevent hazard zones being reached by upper and lower limbs.

If corrugated mesh panels are used (as surface elements), the choice of mesh size (clear width) may have a considerable influence on the required safety distance between the safety fence element and the hazard. Therefore, note the requirements of EN 13857 in relation to your application.”

## Load-bearing capacity

The load capacity of the standard guard units was determined in empirical tests. In the middle of the field, a plate 200x200 mm was loaded statically until the wavy grid is pressed out of the clamping profile. The specified values apply to guard units made of clamping profile 32x32 with corrugated grid, galvanized steel, 40x40x4 mm.



Field height HS mm	Field size B mm	Weight F N
1820	500	1200
1820	750	1200
1820	1000	1000
1820	1250	1000
1820	1500	1200
1820	1750	1100
1820	2000	1000

The dynamic load capacity of the guard units was tested in pendulum impact tests with a mass of 100 kg by TÜV Saarland. All required parameters of the EC Machinery Directive 2006/42 / EC have been met.

## Grid system

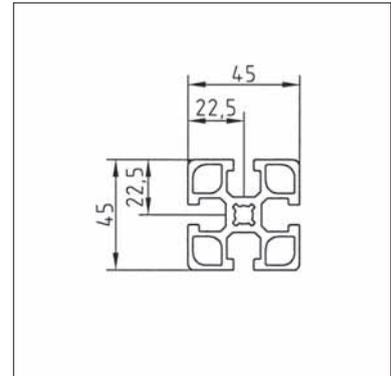
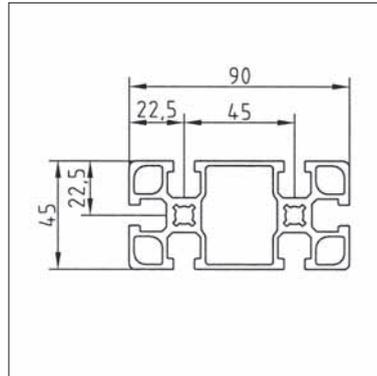
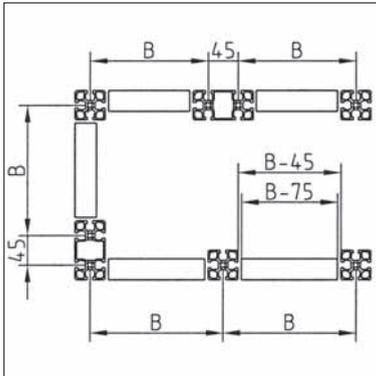
The standardised system is an especially economic and quick solution for most applications. Individual heights, panel sizes, special designs for noise control or splash water protection and optional fastening types are available for special tasks. Other compatible components are also available in our modular system.



## Protection fields

### Field widths

Groove center distance of posts „B”



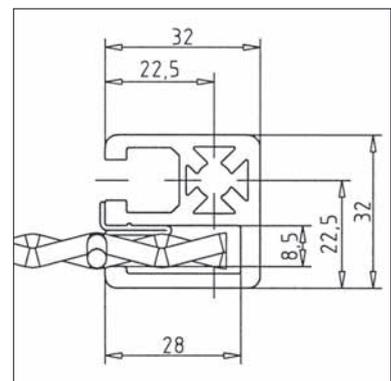
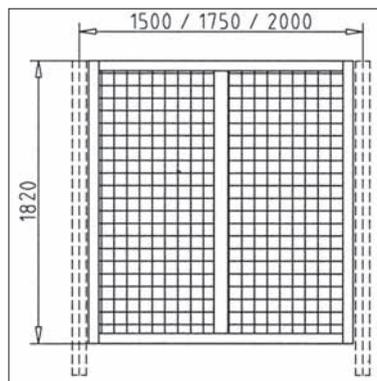
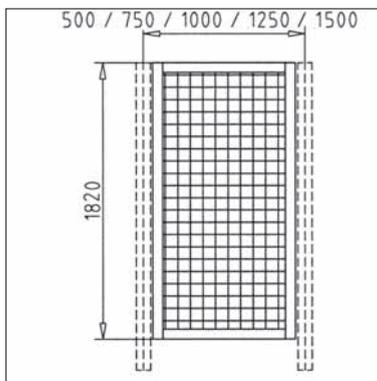
### Standard widths

500, 750, 1000, 1250, 1500 mm

1500, 1750, 2000 mm with additional vertical center strut

The guard frames consist of specially designed clamping profiles 32 x 32 mm. Due to the large depth of the retaining groove for the surface elements in conjunction with the securing by distance profile, great stability is achieved.

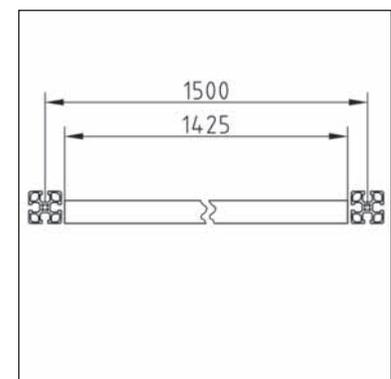
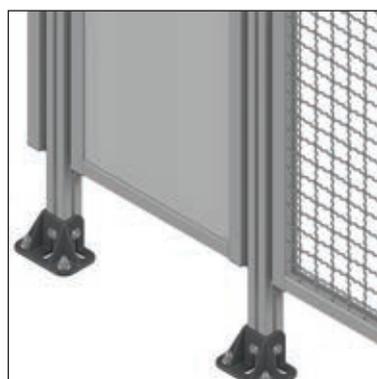
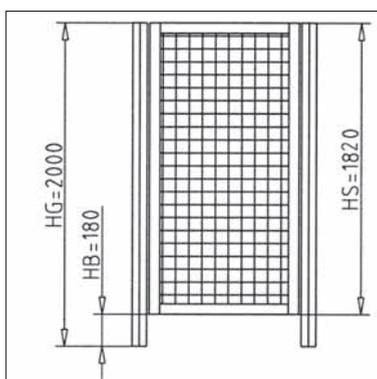
All components of the MiniTec profile system can be used for fastening attachments.



### Height

Standard overall height HG= 2000 mm,

Guard panel height HS 1820 mm, 180 mm ground clearance for obstacle-free cleaning



## Panel SG 500/750/1000/1250/1500 (without middle strut)

### Technical Data / Items Supplied

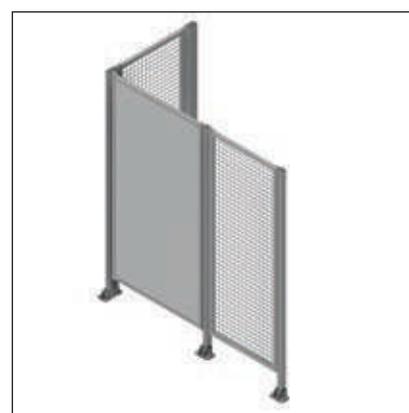
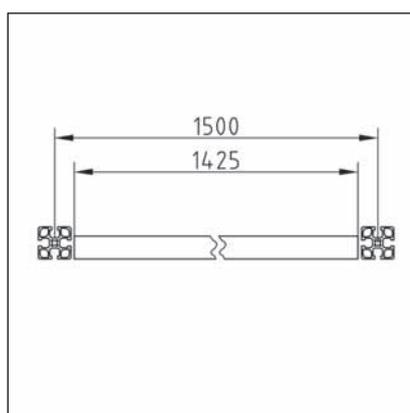
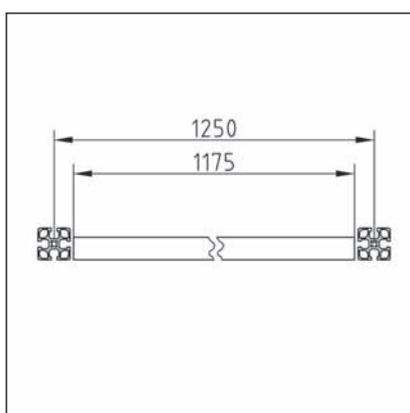
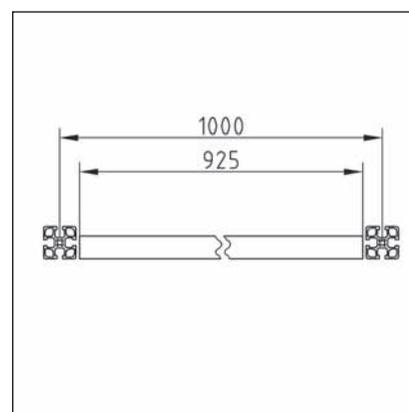
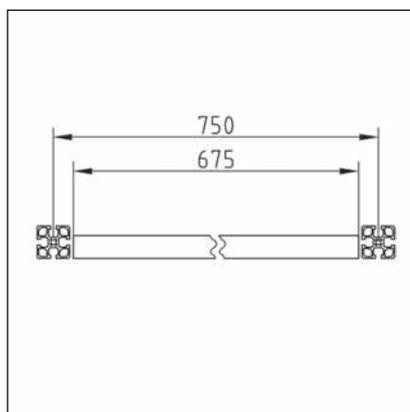
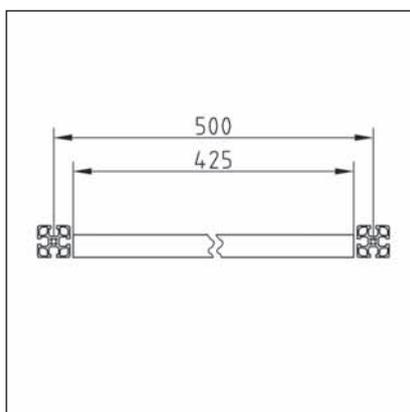
- made of clamping profile 32 x 32 UL, completely pre-assembled
- with corrugated mesh 40 x 40 x 4 mm, galvanized steel or with polycarbonate 5
- Standard height HS: 1820 mm

### Application

- for separation of danger zones
- as machine protection

### Assembly

- Install guard panel on guard panel posts using fastening kit 19 Part no. 23.0010/0 or fastening kit for SG panels Part no. 23.0011/0



Field size B mm	Corrugated mesh Part no.	Polycarbonate 5 Part no.
500	23.0102/0	23.0112/0
750	23.0103/0	23.0113/0
1000	23.0104/0	23.0114/0
1250	23.0105/0	23.0115/0
1500	23.0109/0	23.0119/0

## Panel SG 1500/1750/2000 (with middle strut)

### Technical Data / Items Supplied

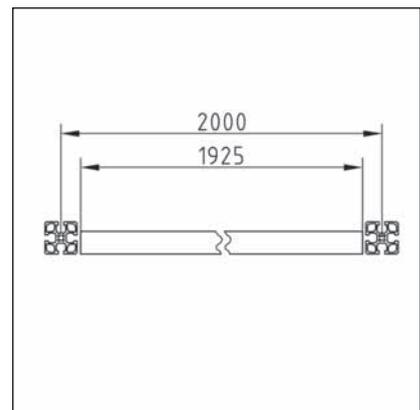
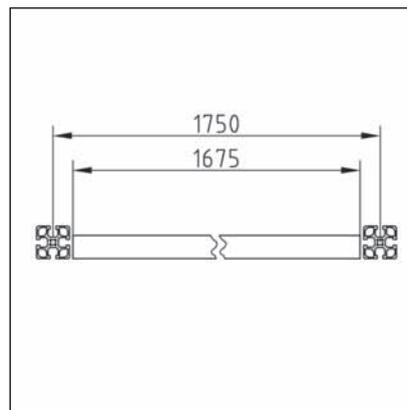
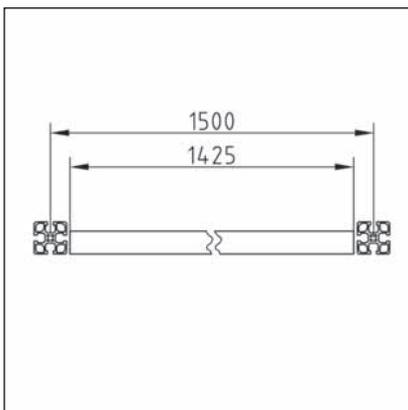
- made of clamping profile 32 x 32 UL, completely pre-assembled
- with corrugated mesh 40 x 40 x 4 mm, galvanized steel or with polycarbonate 5
- Standard height HS: 1820 mm
- Vertical middle strut made of clamping profile 45 x 32
- Additional vertical intermediate strut

### Application

- for separation of danger zones
- as machine protection

### Assembly

- Install guard panel on guard panel posts using fastening set 19 Part no. 23.0010/0
- or fastening kit for SG panels Part no. 23.0011/0



Field size B mm	Corrugated mesh Part no.	Polycarbonate 5 Part no.
1500	23.0106/0	23.0116/0
1750	23.0107/0	23.0117/0
2000	23.0108/0	23.0118/0

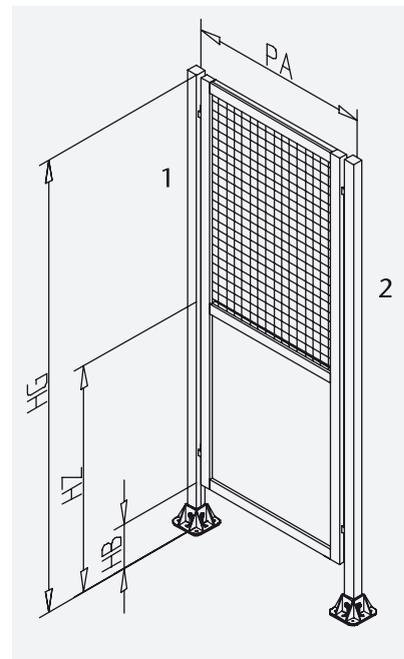
The assembly of the pre-assembled fields in place can be carried out by one person. With sturdy feet, the posts are attached to the ground with heavy-duty dowels. The posts are provided with angles, in which the guard units are hung and screwed. The fields can be aligned arbitrarily, by means of oblong holes in the angles can be compensated distance tolerances of the posts.

## Protective and partition wall element with fixed frame

### Items Supplied

- 1 Pillar
- 2 Crossbars
- 1 Surface element mounted:
- Wave grid, mesh size 40 mm, wire gauge 4 mm, galvanized

The profile column 2 is included in the delivery of the next field. For single installation order additional profile column.

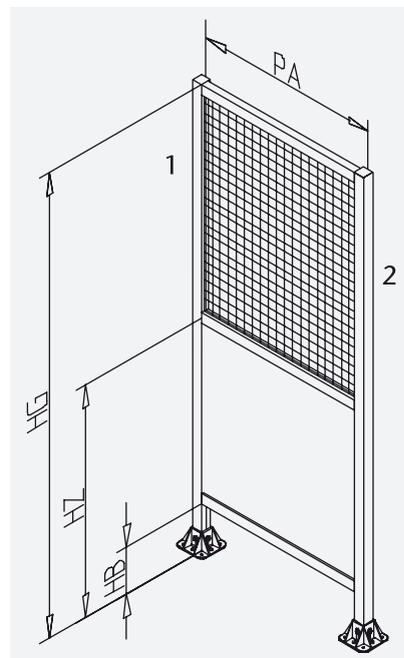


## Protective and partition wall element with removable frame

### Items Supplied:

- 1 Guard unit mounted: wave mesh, mesh size 40 mm, wire gauge 4 mm, galvanized
- 1 Profile column with floor mounting and 2 guard unit fixing angle

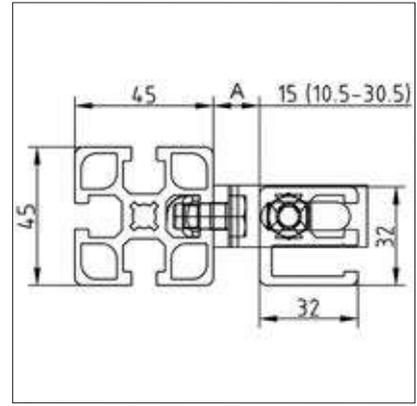
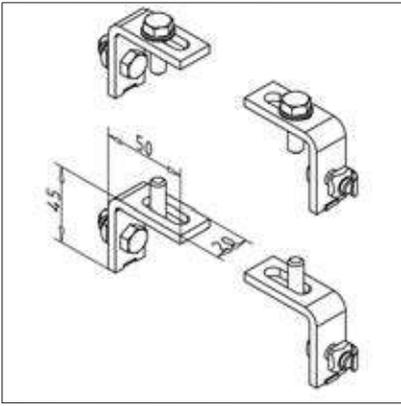
The profile column 2 is included in the delivery of the next field. For single installation order additional profile column.





## Fastening kit 19 for guard panels

Part No. 23.0010/0



### TECHN. DATA / ITEMS SUPPLIED

- Steel, galvanized
- 4 protection field suspensions
- With fastening material steel, zinc plated
- Weight = 0.500 kg/set

### APPLICATIONS

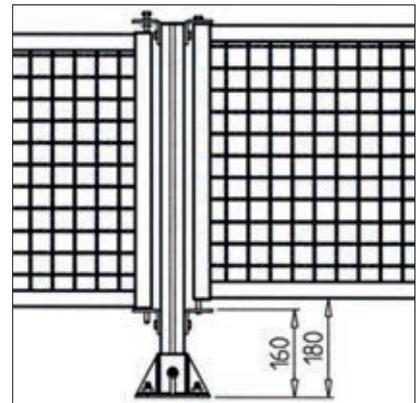
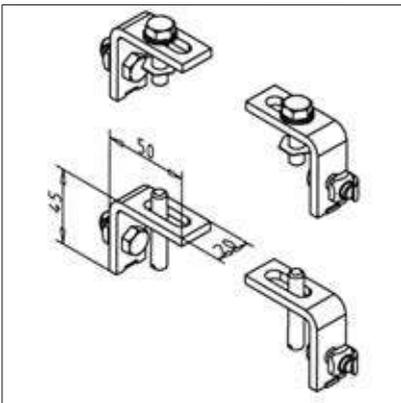
- Fastening guard units from clamping profile 32 x 32, 45 x 32 or standard profiles
- Attachment of guard units at any angle

### ASSEMBLY

- Insert guard unit in pre-assembled lower fixing angle, tighten with screws from the scope of delivery above
- A = 10,5 mm - 30,5 mm

## Fastening kit for SG guard units with captive screw

Part No. 23.0011/0



### TECHN. DATA / ITEMS SUPPLIED

- Steel, galvanized
- 4 protection field suspensions
- With label: Maintenance panel
- Top screws in non-detachable design
- With fastening material steel, zinc plated
- Weight = 0.366 kg/set

### APPLICATIONS

- Fastening guard units which are removed for servicing purposes. The screws to be loosened here are in a captive design.
- For clamping profile 32 x 32 and 45 x 32
- Fastening of protection fields at any angle

### ASSEMBLY

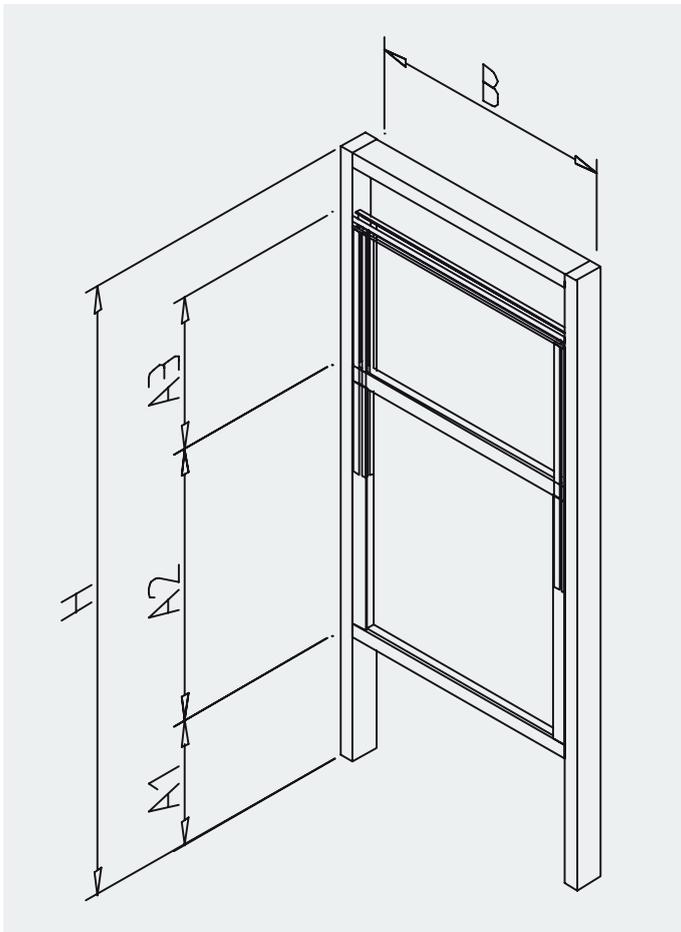
- Insert guard unit in pre-assembled lower fixing angle, tighten with screws from the scope of delivery above
- A = 10,5 mm - 30,5 mm

## Doors

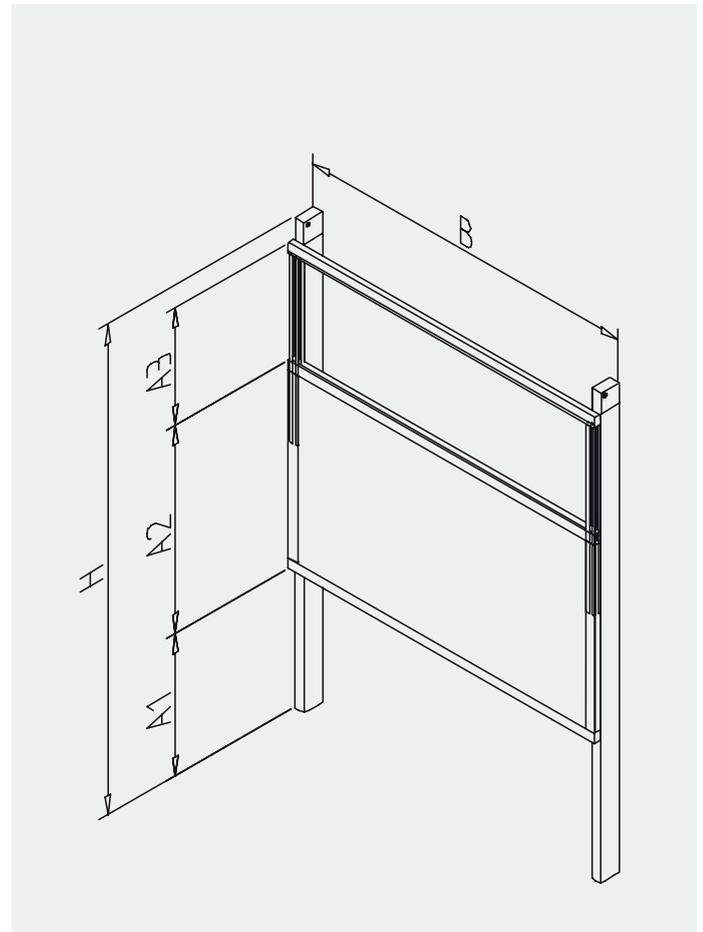
### Guard doors as access to enclosures

Our guard doors are also based on the MiniTec profile system. We offer lifting doors and classic swing doors (double side-hinged doors) according to your individual requirements. Equipped with the features requested by you, our guard doors provide safe access to enclosures, for example, for maintenance work."

Table protection lifting door



Machine protection lifting door



Completely assembled and prepared for final assembly. Aluminum profile construction with internal counterweights and a selection of different surface elements.

## Lifting door with fall protection

Part no.: 23.0200/0

Modular lift door system with fall protection for manually operated doors up to a sash weight of 35 kg.

The lifting door is made individually from profiles of the 45 series.

With our lift doors you can choose between different surface elements - depending on the task and requirements.

In contrast to the standard MiniTec lifting doors, which are guided laterally via sliding elements in a groove, the lifting door with fall arrest is guided over two ground steel shafts.

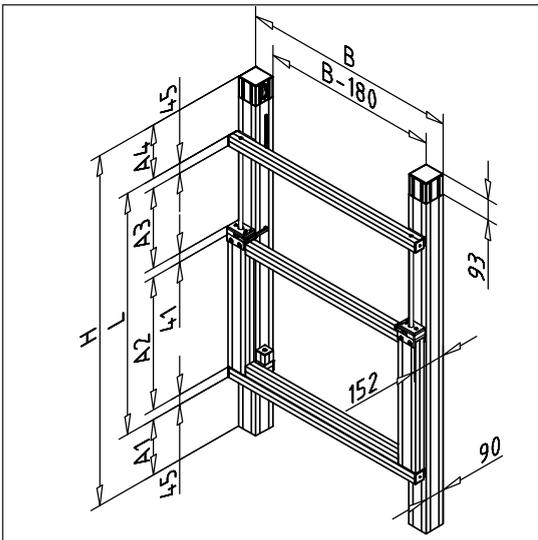
To counterbalance weight, two counterweights serve as a

balancer for the movable sash.

These counterweights run over a chain deflection in the central hollow chamber of a 90 x 90 L or 90 x 90 UL profile.

This MiniTec ensures an absolutely uniform and virtually power-free run.

Should a chain of the lift door break, the fall arrest will be activated, i.e. the lifting door is immediately braked by a clamping bush by the frictional resistance on the steel shaft.



Please provide the following dimensions:

- Outside dimension B mm
- Floor clearance A1 ( $\geq 0$ ) mm
- Lifting panel height A2 mm
- Stroke A3 mm
- Overhang, top A4 ( $\geq 93$ ) mm
- Required surface element: clear width = B-180 mm
- Total height H =  $(A1+A2+A3+A4+134)$  mm

Use

- Modular lifting system with fall protection
- Sash weight up to 35 kg
- Surface element selectable
- Weight balancing via counterweights with chain pulley

## Noise protection



### Active sound insulation in the workplace

To protect workers, the European Health and Safety Directive on noise (2033/10 / EC) was transposed into national law on 6 March 2007. The new ordinance will reduce intervention levels by 5 dB (A) to 80 dB (A) for preventive measures. Passive noise protection through the provision of suitable hearing protectors is a way of prevention. The disadvantage here is the complicated communication, the poorer recognizability of alarm and warning signals or uncomfortable protective equipment. Better is active noise protection by reducing the noise emission or housing the noise sources. There are relevant legal requirements for the avoidance of noise pollution, which oblige the entrepreneur to take suitable measures in accordance with the

respective state of the art. In cooperation with the company Scharenberg in Tarmstedt, which specializes in noise protection, the new modular system for protective cabins and noise-reducing enclosures was developed. The kit is based on the tried-and-tested MiniTec profile system combined with 20 mm noise protection mats or 34 mm noise protection cassettes. In the design of the kit, the simplest installation and maximum accessibility to the machine special attention was paid. Noise reduction of 25 dB (A) is achieved on a regular basis if the housing is designed properly in p34.

Depending on the intensity and duration of the exposure to noise, there may be acute and long-term adverse effects on the health, performance and well-being of employees.

- Psychosocial effects such as decreasing concentration, nervousness, irritability, aggressiveness
- Physiological and vegetative reactions such as hearing damage, constriction of the blood vessels, high blood pressure, heart and circulatory diseases, headache
- Reduced performance and increased risk of accidents, impaired communication, wrong decisions due to misunderstandings, increased error rate, reduced motivation

Rising health costs and the resulting loss of production make noise control so important. By reducing the noise level, the performance increases.



## Advantages of the MiniTec noise protection solutions

- Safe noise reduction
- Economical by using the modular system
- Easy installation and construction with standard cassettes
- Optimum accessibility with doors, lifting doors, control windows
- Easy to dismantle walls
- Optionally with heat dissipation



## Components & Versions

### Versions „p20”

Basic construction with MiniTec aluminium profiles

Surface element

Sound absorption panel, PU foam 20 mm thick, black, part no. 21.1879/0, For bonding to surface elements Weight approx. 650 g / m<sup>2</sup>, temperature resistance: -40 to + 100 ° C

### Selection of surface elements

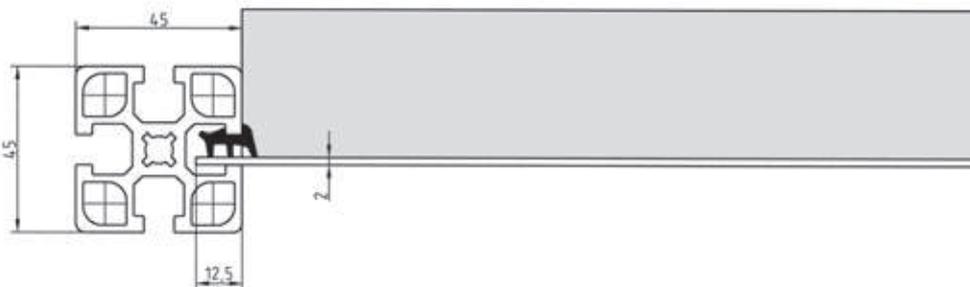
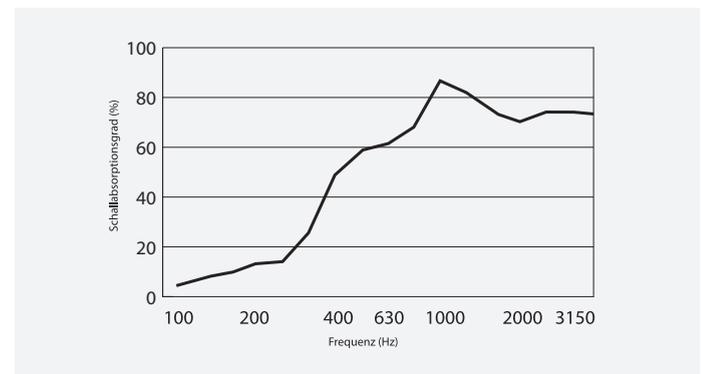
Aluminium sheet 2 mm, anodized, part no. 21.1011/0, installed with insert seal 2, part no. 22.1083/0

Sheet steel 1 to 2 mm, painted or galvanized, installed with insert seal 2, part no. 22.1083/0

Chipboard 8 mm, both sides coated white, part no. 21.1815/2

Chipboard 8 mm, light grey coated on both sides, part no. 21.1855/0

### Sound absorption level measurement to EN ISO 103534-2



### Versions „p34”

Basic construction with MiniTec aluminum profiles

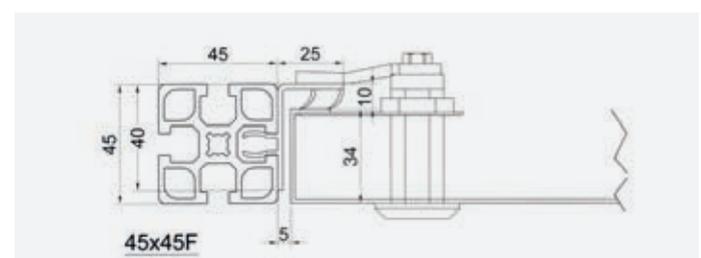
Noise protection bar, Part no. 22.1130/1

Noise protection cassettes 34 mm thick

Inside perforated sheet, filling made of high-quality mineral wool, with glass fleece as trickle protection, non-flammable according to DIN 4102, building material class A2

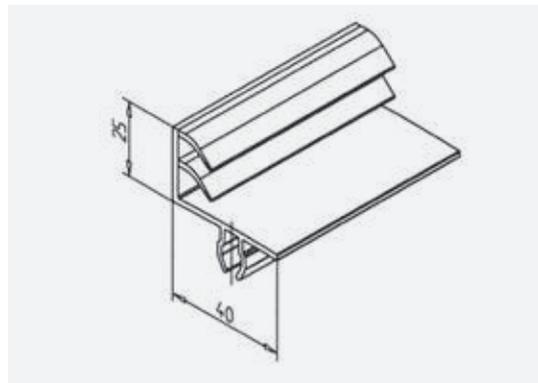
Outside galvanized steel sheet, optionally painted according to RAL

Cassette size (B / H) = clear width of frame construction - 8 mm



### Noise protection bar (Part no. 22.1130/1)

Material: ABS grey  
 with two molded sealing lips  
 Weight 0,232 kg/m  
 Tool-free installation of the strip, no screws required  
 Suitable for retrofitting  
 Easy to edit, easy to replace  
 Low installation times  
 Sealing of removable walls, door hinges  
 no miter cut required



### Noise protection cassette p34

Thickness 34 mm  
 1.5 mm galvanized sheet steel, optionally painted to RAL  
 Insulating material mineral fiber laminated, approx. 90 kg / m<sup>3</sup>  
 1.0 mm perforated sheet inside, galvanized, approx. 35% perforation  
 Sound insulation according to ISO 140-3 acc. Certificate  
 Cassette weight 27 kg/m<sup>2</sup>

#### Versions

Cassette firmly screwed  
 Cassette detachable with sash lock  
 Door with latch handle



Hinged with sash lock



Cassette firmly screwed

#### Options

Window 1-fold or 2-fold  
 Paint according to RAL  
 Plate silencer  
 Channel sound absorbers  
 Fan with thermostat  
 Sliding doors  
 Rain cover



Door with latch handle

## Example of a basic setup

### 1. Design

When designing the carrier frame, work with standard groove centre distance N from 250 - 2000 mm where possible

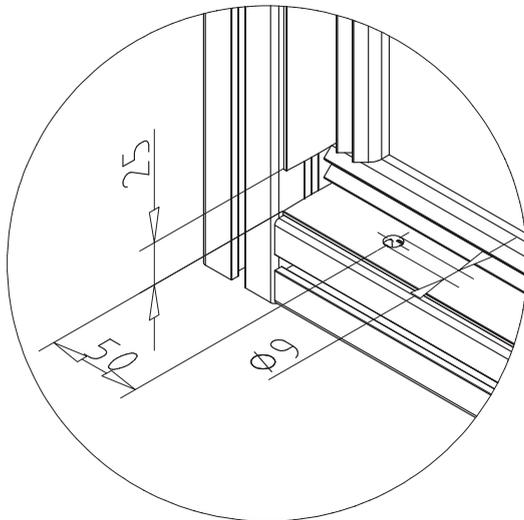
### 2. Insertion of the noise reduction strip

Determination of the length of the noise protection strip

Horizontal N - 45mm, Vertical N - 95mm

Cut strips to size and insert

For demountable elements, additionally make 2 holes  $\varnothing 9$  mm and insert retaining pins 25, Part no. 21.1758/0, assemble with nuts



### 3. Inserting and fastening of the noise protection elements

firmly screwed elements are bolted from the back

Insert removable elements in the bottom of the retaining pins 25, then swing into the carrier frame and lock

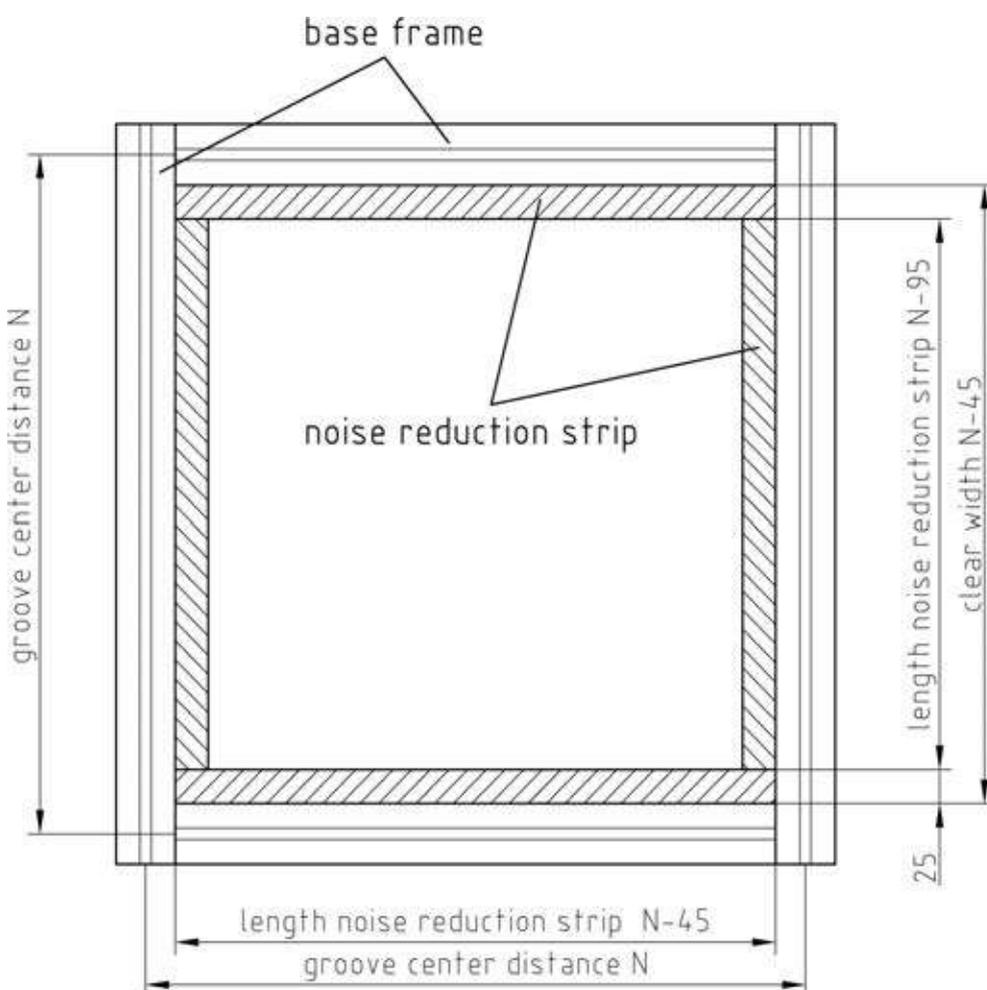
Secure door elements or flaps to the front



### Preferred cassette sizes noise protection p34

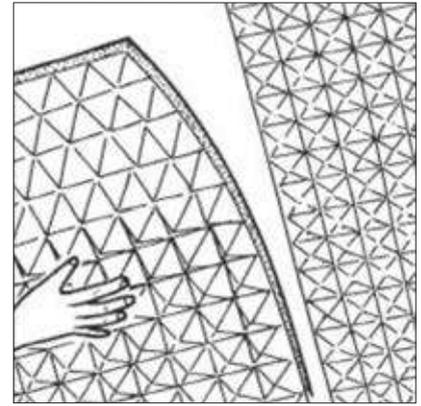
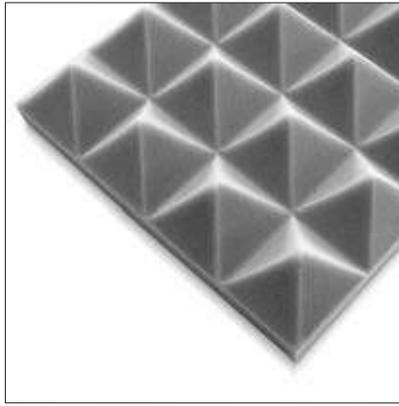
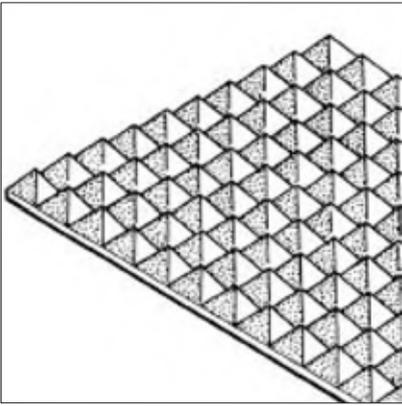
Groove center distance N mm	Cassette size mm	Cassette firmly screwed Part no.	Cassette can be hung up Part no.	Door Part no.
250 x 250	197 x 197	56.0011/0	56.0012/0	56.0013/0
500 x 250	447 x 197	56.0021/0	56.0022/0	56.0023/0
1000 x 250	947 x 197	56.0031/0	56.0032/0	56.0033/0
250 x 500	197 x 447	56.0041/0	56.0042/0	56.0043/0
500 x 500	447 x 447	56.0051/0	56.0052/0	56.0053/0
1000 x 500	947 x 447	56.0061/0	56.0062/0	56.0063/0
250 x 1000	197 x 947	56.0071/0	56.0072/0	56.0073/0
500 x 1000	447 x 947	56.0081/0	56.0082/0	56.0083/0
1000 x 1000	947 x 947	56.0091/0	56.0092/0	56.0093/0
250 x 2000	197 x 1947	56.0101/0	56.0102/0	56.0103/0
500 x 2000	447 x 1947	56.0111/0	56.0112/0	56.0113/0
1000 x 2000	947 x 1947	56.0121/0	56.0122/0	56.0123/0

### Calculation of length for the noise protection strip and the panel size



## Sound absorption panel, pyramid

Part No. 21.1819/0



### TECHN. DATA / ITEMS SUPPLIED

- Board size max. 1000 x 1000 mm
- Pyramid height 50 mm, Total board thickness 70 mm, Pyramid pitch 100 mm
- Material: PUR-foam, anthracite, 70mm
- coefficient of thermal conductivity at 0°C 0,032 W/mK
- Fire protection classification 3
- **Other strenghts and perfomances on request**
- Weight = 1.500 kg/piece

### APPLICATIONS

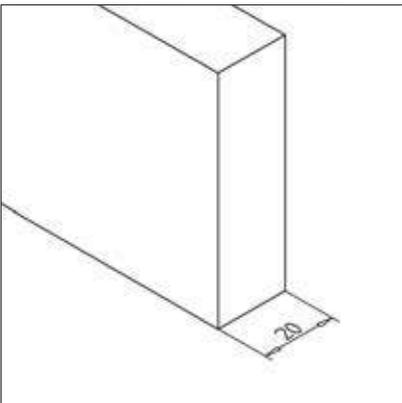
- Primary noise protection by enclosing noise sources
- Secondary sound insulation in lounges, master offices, etc.

### ASSEMBLY

- Fixing by gluing to the substrate
- Depending on the substrate, suitable adhesives are available upon request

## Sound absorption panel 20mm

Part No. 21.1879/0



### TECHN. DATA / ITEMS SUPPLIED

- Material: Pu-foam, 20mm, black, adhesive
- **Board size max.: 1000 x 2000 mm**
- Temperature resistant -40 to +100°C
- Weight = 0.650 kg/m<sup>2</sup>

### APPLICATIONS

- Through the black PU-skin immune to pollution

### ASSEMBLY

- Lamination sheet pull down and glue on

## Hygiene protection



### Protect yourself and others!

Regardless of whether at the point-of-sale, in the doctor's practice or in an open-plan office, protection against infections plays an enormous role in all our lives. With MiniTec hygiene protection, we offer you a fast and effective solution. The protective screen is simply positioned between the interlocutors and thus reduces the direct transmission path substantially. The virus can be transmitted directly via the mucous membranes of the respiratory passages (sneezing, coughing,

saliva) or via the hands, with which people later touch their face and therefore the pathogen comes into contact with the mucous membranes. With the cough and sneeze guard you therefore not only protect yourself and your employees, but also your customers. We also offer you the possibility of mounting the sneeze guard on a counter or to install a mobile hygiene partition with counter.

#### Particularly hygienic

Our "sneeze guards" are made of aluminium. Thanks to its smooth surface, aluminium is very easy to clean and disinfect and is significantly more hygienic than other materials such as wood.

#### Quickly assembled

Our aluminium profiles and the Plexiglas panel(s) can also be joined with only a few tools to form an effective protection against droplet infections and can be positioned in the required location.

#### Flexible dimensions

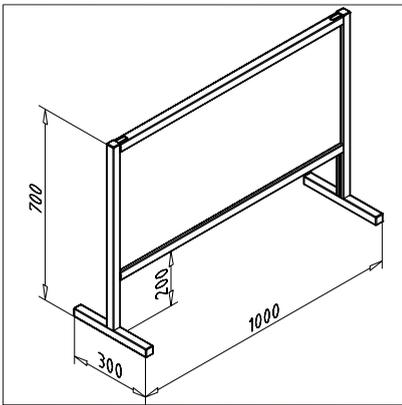
Here you will find the different standard protective screens for the most common requirements. Other dimensions and types can also be implemented easily - simply tell us your wishes!

#### Available at short notice

All the necessary items, whether as counter top screen or as mobile hygiene partition, are available directly ex warehouse in Schöenberg-Kübelberg.

## Hygienic protection counter top small

Part No. 29.0129/0



### TECHN. DATA / ITEMS SUPPLIED

- Made of aluminium profile 30 x 30 3G, with 3 closed sides, anodised E6/EV1
- All assembly parts in steel, galvanised
- Protective pane made of 4 mm polycarbonate (impact resistant and shatter-proof)
- Width: 1000 mm  
Height: 700 mm  
Base width: 300 mm  
Floor clearance: 200 mm
- Weight = 5.118 kg/piece

### APPLICATIONS

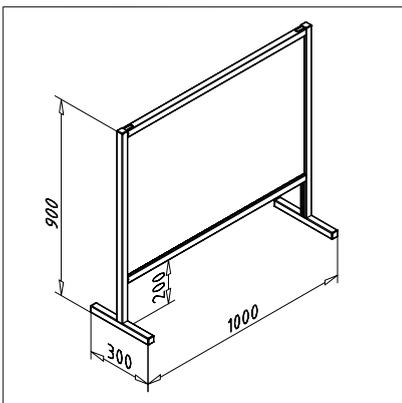
- Hygiene partition for separation on counters, in till areas and in many other locations
- Can also be used as a screen on tables
- Reduces the direct transmission path of droplet infections significantly
- Due to its smooth surface, aluminium is very easy to disinfect

### ASSEMBLY

- Completely assembled

## Hygienic protection counter top large

Part No. 29.0130/0



### TECHN. DATA / ITEMS SUPPLIED

- Made of aluminium profile 30 x 30 3G, with 3 closed sides, anodised E6/EV1
- All assembly parts in steel, galvanised
- Protective pane made of 4 mm polycarbonate (impact resistant and shatter-proof)
- Width: 1000 mm  
Height: 900 mm  
Base width: 300 mm  
Floor clearance: 200 mm
- Weight = 6.321 kg/piece

### APPLICATIONS

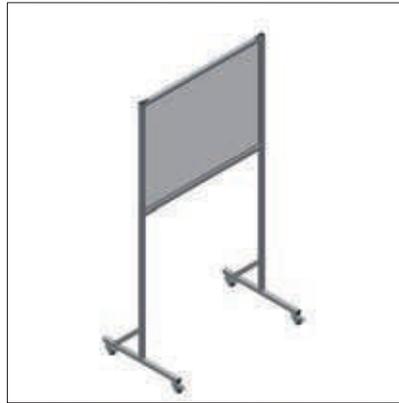
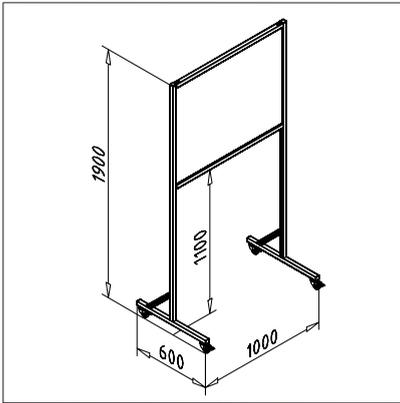
- Hygiene partition for separation on counters, in till areas and in many other locations
- Can also be used as a screen on tables
- Reduces the direct transmission path of droplet infections significantly
- Due to its smooth surface, aluminium is very easy to disinfect

### ASSEMBLY

- Completely assembled

## Mobile hygiene protection screen

Part No. 29.0131/0



### TECHN. DATA / ITEMS SUPPLIED

- Made of aluminium profile 30 x 30 3G, with 3 closed sides, anodised E6/EV1
- All assembly parts in steel, galvanised
- Protective pane made of 4 mm polycarbonate (impact resistant and shatter-proof)
- 4 swivel castors with 50 mm wheel diameter, on ball bearing mounted, Steel housing, galvanised, with brake Roller with grey rubber wrapping
- Width: 1000 mm  
Height: 1900 mm  
Base width: 600 mm  
Floor clearance: 1100 mm
- Weight = 9.956 kg/piece

### APPLICATIONS

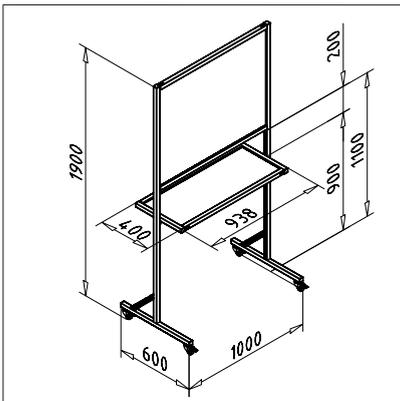
- Reduces the direct transmission path of droplet infections significantly
- Due to its smooth surface, aluminium is very easy to disinfect
- The protective screen is mobile and due to the 4 smooth running swivel castors, can easily be moved to another location, the braking/locking device on the rollers ensures that the protective screen is always stood securely in its intended location

### ASSEMBLY

- Completely assembled

## Mobile hygiene protection wall

Part No. 29.0132/0



### TECHN. DATA / ITEMS SUPPLIED

- Made of aluminium profile 30 x 30 3G, with 3 closed sides, anodised E6/EV1
- All assembly parts in steel, galvanised
- Protective pane made of 4 mm polycarbonate (impact resistant and shatter-proof)
- 4 swivel castors with 50 mm wheel diameter, on ball bearing mounted, Steel housing, galvanised, with brake Roller with grey rubber wrapping
- Shelf made of 2 mm anodised aluminium sheet, edged in profile frame
- Width: 1000 mm  
Height: 1900 mm  
Base width: 600 mm  
Floor clearance up to protective pane: 1100 mm  
Counter height from floor: 900 mm  
Depth of the counter: 400 mm
- Weight = 13.640 kg/piece

### APPLICATIONS

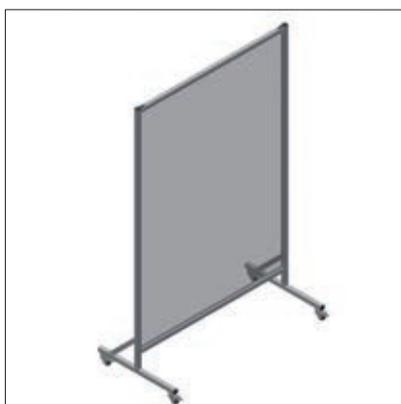
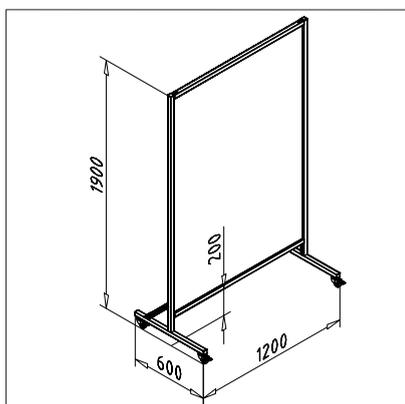
- Reduces the direct transmission path of droplet infections significantly
- Due to its smooth surface, aluminium is very easy to disinfect
- The protective screen is mobile and due to the 4 smooth running swivel castors, can easily be moved to another location, the braking/locking device on the rollers ensures that the protective screen is always stood securely in its intended location
- Due to the all-round profiles on the counter prevent objects from easily falling or rolling.

### ASSEMBLY

- Completely assembled
- The height of the counter can be individually adjusted with a minimum technical skill

## Mobile hygiene partition

Part No. 29.0133/0



### TECHN. DATA / ITEMS SUPPLIED

- Made of aluminium profile 30 x 30 3G, with 3 closed sides, anodised E6/EV1
- All assembly parts in steel, galvanised
- Protective pane made of 4 mm polycarbonate (impact resistant and shatter-proof)
- 4 swivel castors with 50 mm wheel diameter, on ball bearing mounted, Steel housing, galvanised, with brake Roller with grey rubber wrapping
- Width: 1200 mm  
Height: 1900 mm  
Base width: 600 mm  
Floor clearance: 200 mm
- Weight = 16.038 kg/piece

### APPLICATIONS

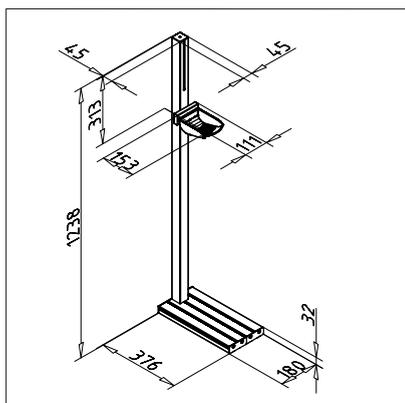
- Reduces the direct transmission path of droplet infections significantly
- Due to its smooth surface, aluminium is very easy to disinfect
- The protective screen is mobile and due to the 4 smooth running swivel castors, can easily be moved to another location, the braking/locking device on the rollers ensures that the protective screen is always stood securely in its intended location

### ASSEMBLY

- Completely assembled

## Hygiene stand with drip tray

Part No. 29.0136/0



### TECHN. DATA / ITEMS SUPPLIED

- Aluminium, extruded, anodized E6/EV1
- Made of aluminium profile 45 x 45 G, with closed sides
- All assembly parts in steel, galvanised
- Anti-slip license NBR, black
- Drip tray made of plastic, grey
- Supporting foot width: 180 mm
- Height: 1238 mm
- Depth: 376 mm
- **NOTE:** Supplied without disinfectant and disinfectant dispenser
- Weight = 6.776 kg/piece

### APPLICATIONS

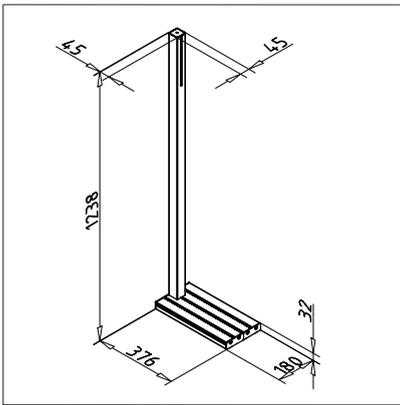
- The upright hygiene stand is the optimal solution for providing disinfectant hygienically - in public areas, offices, medical practices, care facilities, etc.

### ASSEMBLY

- Fix the accessories on the profile- screws are included

## Hygiene stand without drip tray

Part No. 29.0137/0



### TECHN. DATA / ITEMS SUPPLIED

- Aluminium + steel, extruded, anodized E6/EV1
- Made of aluminium profile 45 x 45 G, with closed sides
- All assembly parts in steel, galvanised
- Anti-slip license NBR, black
- Supporting foot width: 180 mm
- Height: 1238 mm
- Depth: 376 mm
- **NOTE:** Supplied without disinfectant and disinfectant dispenser
- Weight = 6.551 kg/piece

### APPLICATIONS

- The upright hygiene stand is the optimal solution for providing disinfectant hygienically - in public areas, offices, medical practices, care facilities, etc.

### ASSEMBLY

- Fix the accessories on the profile- screws are included