BETAFENCE
a PRÆSIDIAD brand

Securing what matters

Product Directory 2025

betafence.com

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Nylofor® 3D Extreme

The Nylofor 3D system is the reference perimeter protection on the market. The Nylofor 3D Extreme model includes an enhanced corrosion resistance for highly corrosive environments.

Benefits

Rigidity
Nylofor 3D panels with rectangular meshes, heavy wires and horizontal V-folds guarantee a very high level of rigidity.

Complete system
The system consists of panels in various heights supported by several types of post, each with a specific fixing system. All types are available with adapted accessories and a wide range of swing and sliding gates.

Long lifetime
Betafence's Zinc Aluminium galvanised wires in combination with an advanced polyester coating technology ensure an extra long life, even in corrosive environments. An additional layer is applied after galvanisation in order to ensure the optimal adhesion of the polyester coating.

Efficient and fast installation
All Nylofor 3D components are developed to provide a professional system that can be installed easy and quickly.

10-year extreme guarantee
The Nylofor 3D Extreme range is protected by our Betafence 10-year extreme guarantee – even in corrosive or harsh environments.

Product detail
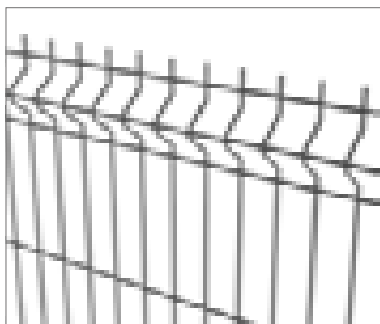
Functionalities

PRIVACY INFILL COMPATIBLE   DEMARCATION   SEA ENVIRONMENT

Security level
*(when compared to other **residential and medium security panel** options)*

6
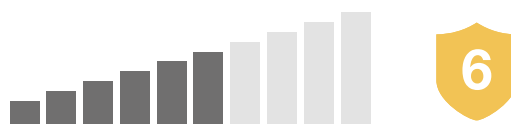
Nylofor®
3D Super

The Nylofor 3D Super system with specific 3D V-fold and very thick horizontal wires provides optimal protection and offers a unique design.

Benefits

Very high rigidity
The panels are extremely rigid due to the large wire diameters and the use of a specific 3D V-fold.

High degree of security
Nylofor 3D Super is the recommended fencing system when security is crucial.

Long lifetime
Betafence's coating technology guarantees a high longevity. After galvanising, a special layer is applied for a perfect adhesion of the polyester coating.

Complete system
The system offers panels in different heights, posts with adapted fixation systems and a large range of gates. All components guarantee a fast and professional installation.
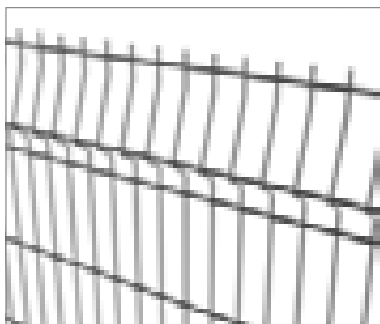
Product detail

Functionalities

| DESIGN | DISSUASION | DELAY |

Security level
*(when compared to other **residential and medium security panel** options)*

8

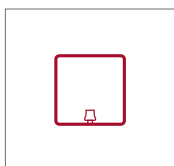# Post and fixing systems

(post shape illustrated below)
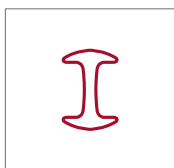
Bekafix®
Metal posts dimension **70 x 44mm**, H-shape with plastic hook cap. Panels are attached to the side of the posts using polyamide or a metal fixator.
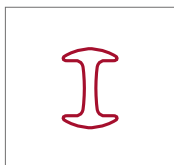

Bekafix® Ultra
Metal posts dimension **70 x 44mm**, H-shape with plastic hook cap. Coating and post steel strength are higher, for corrosive environment or high fences. Panels are attached to the side of the posts using a metal fixator.

Nylofor® Twilfix®
Metal post dimension **60 x 60mm**, with M8 inserts on one face and a plastic cap. Panels are attached to the front part using fixators and safety fastening system. Plastic cap on top of the post.
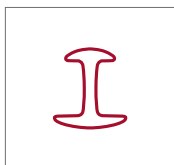
UniLox®
Metal posts dimension **70 x 64/70 x 44mm**, H-shape with flat plastic cap. Compatible with two installation methods (po/pa/po or po/po/pa). Panels are attached to the side of the posts using a metal fixator.

- *For more information on the above posts, please refer to the relevent product page or flyer*

Panels

Heavy welded mesh, 2500mm wide and available in different heights. The panels have vertical barbs of 30mm height on one side.

- Mesh size: 200 x 50 mm
- V-fold mesh size: 200 x 50mm
- Horizontal wire diameter: 8mm
- Vertical wire diameter: 5mm

Coating technique

Panels are made of pre-galvanised wire (minimum 30g/m²) and polyester top layer with a minimum a layer thickness of 100 microns. The PES coating thickness is the average of 10 measurements.

Colours

Green RAL 6005. Other colours are available on request.

Gates

The Nylofor 3D Super system is completed by the Robusta swing and sliding gate.

Nylofor® 3D Super range		
Fence height (mm)	**Panels width x height (mm)**	**Number of V-folds per panel**
1030	2500 x 1030	2
1630	2500 x 1630	3
2030	2500 x 2030	4
2430	2500 x 2430	4
3030	2500 x 3030	4

Other heights available on request

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

BETAFENCE
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Nylofor®
3D XL

The Nylofor 3D XL panel sets a new standard in the fencing market. With it's width of 3 meters it offers an excellent price quality ratio, saving and costs during installation on the overall cost of your project.

Benefits

High rigidity
The panels, made of rectangular welded mesh, are provided with horizontal 3D V-folds that guarantee maximum rigidity.

Complete system
The system includes panels of several heights and is compatible with different models of posts. It is complemented by a wide range of swing and sliding gates.

Long lifetime
The technology developed by Betafence for coatings ensures optimal longevity. An adhesion layer is applied after galvanising to ensure full adhesion of the polyester layer

Speed of installation
All elements of the fence are designed and developed to allow a fast, professional quality installation.
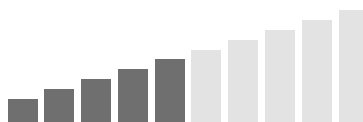
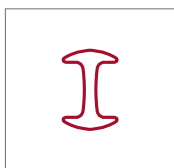## Product detail

Functionalities

PRIVACY INFILL COMPATIBLE   DEMARCATION

Security level
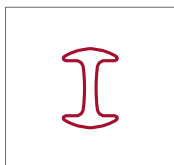*(when compared to other **residential and medium security panel** options)*

5
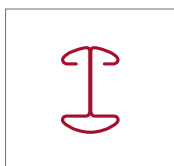
Post and fixing systems

(post shape illustrated below)

Bekafix®
Metal posts dimension **70 x 44mm**, H-shape with plastic hook cap. Panels are attached to the side of the posts using polyamide or a metal fixator.
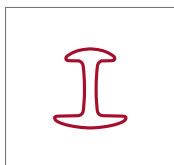
Bekafix® Ultra
Metal posts dimension **70 x 44mm**, H-shape with plastic hook cap. Coating and post steel strength are higher, for corrosive environment or high fences. Panels are attached to the side of the posts using a metal fixator.

Izifix®
Metal posts dimension **75 x 50mm**, H-shape with plastic cap. Panels are held to integrated hooks placed down the length of the post. No accessories or fixation needed.

UniLox®
Metal posts dimension **70 x 64/70 x 44mm**, H-shape with flat cap. Compatible with two installation methods (po/pa/po or po/po/pa). Panels are attached to the side of the posts using a metal fixator. Plastic flat cap on top of the post.
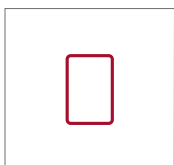
E-Lox®
Metal posts dimension **60 x 40mm**, with plastic cap on top. Panels are fixed to the front of the post thanks to a stainless steel hook. Panels are then connected to each other with a connector for an "endless" installation.
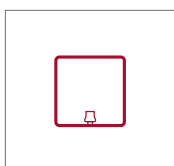
Nylofor® Twilfix®
Metal post dimension **60 x 60mm**, with M8 inserts on one face and a plastic cap. Panels are attached to the front part using fixators and safety fastening system.

- *For more information on the above posts, please refer to the relevent product page or flyer*

Panels

The panels have a width of 3000mm and are available in several heights: from 1230mm to 2430mm. The panels are provided with 30mm pins on one side only and are reversible (pins turned up or down).

- Mesh size: 200 x 50 mm
- V-fold mesh size: 100 x 50mm
- Horizontal wire diameter: 5mm
- Vertical wire diameter: 5mm

Coating technique

Panels are made of pre-galvanised wire (minimum 30g/m²) and polyester top layer with a minimum a layer thickness of 100 microns. The PES coating thickness is the average of 10 measurements.

Colours

Green RAL 6005 and Black RAL 9005. Other colours are available on request.

Gates

The Nylofor 3D system is complete when it matches the Robusta or Egidia swing gate, and with the Robusta or Egidia sliding gate.

Nylofor® 3D XL range			
Fence height (mm)	Dimensions of panels length x height (mm)	Number of V-folds per panel	Length of posts to be sealed* (mm)
1230	2500 x 1230	2	1800
1530	2500 x 1530	3	2100
1730	2500 x 1730	3	2400
1930	2500 x 1930	3	2500
2030	2500 x 2030	4	2700
2430	2500 x 2430	4	3100

* Recommended lengths for sealing posts

Nylofor®
City

Nylofor City is a heavy welded mesh fence with horizontal flat wires and a top rail for extra rigidity and a sophisticated look.

Benefits

High rigidity
The top rail gives extra rigidity to the panels and is ideal for use in public access areas.

Robust look
The use of Nylofor F panels with flat horizontal wires is modern and at the same time very robust.

Easy installation
The top rails are easy to fix to the panels and posts due to special accessories. Installation of the system with base plates is also foreseen.
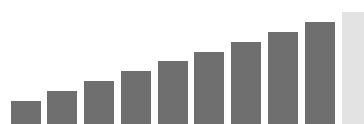
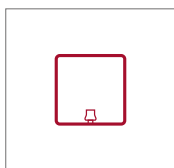## Product detail

Functionalities

DESIGN   DEMARCATION

Security level
*(when compared to other **residential and medium security panel** options)*

9

Post and fixing systems

(post shape illustrated below)

Nylofor® Twilfix®
Metal post dimension **60 x 60mm**, with M8 inserts on one face and a plastic cap. Panels are attached to the front part using specific fixators and safety fastening system.

- *For more information on the above posts, please refer to the relevent product page or flyer*

Accessories

- **Metal handrail**, C profile, 31.5 x 32.5 x 1.50mm, length 2505mm
- **Polyamide fixators** and M8 x 40mm stainless steel bolts for panels
- **Metal fixators** for handrail as well as M8 x 60mm stainless steel bolts. Depending of your installation, you'll need end left, end right, intermediary or corner fixators.
- **Neoprene anti-vibration strips**, to reduce noise and eliminate vibration between fence panels and handrail, self-adhesive, length: 25mm, to be fixed to the top horizontal wire of the panel

Panels

The panels used for the Nylofor City system are Nylofor F panels. They are 2500mm width and of different heights: 630 to 2430mm.

- Mesh size: 200 x 50 mm
- Horizontal flat wire: 15 x 6mm
- Vertical wire diameter: 5mm

Coating technique

Panels are made of pre-galvanised wire (average coating thickness >10μm) and polyester top layer with a minimum a layer thickness of 100 microns. The PES coating thickness is the average of 10 measurements.

Colours

Green RAL 6005. Other colours are available on request.

Gates

The Nylofor City system is completed by the secure and high quality Robusta Nylofor F single or double swing gate or sliding gate.

Nylofor® City range									
Fence height (mm)	Panels width x height (mm)	Nylofor posts to be anchored in concrete				Nylofor posts with welded base plate			
		Post length (mm)	Inserts	Fixing clips steel	Fixing clips polyamide	Post length (mm)	Inserts	Fixing clips steel	Fixing clips polyamide
630	2500 x 630	1000	3	1	2	672	3	1	2
1030	2500 x 1030	1500	3	1	2	1072	3	1	2
1230	2500 x 1230	1750	4	1	3	1272	4	1	3
1430	2500 x 1430	2000	4	1	3	1472	4	1	3
1630	2500 x 1630	2200	5	1	4	1672	5	1	4
1830	2500 x 1830	2400	5	1	4	1872	5	1	4
2030	2500 x 2030	2650	6	1	5	2072	6	1	5

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

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Nylofor® 2D Super

The Nylofor 2D Super is a welded mesh panel with extra heavy double horizontal wires providing very high rigidity.

BETAFENCE
10 YEAR
GUARANTEE

Benefits

High rigidity
The panels are rigid thanks to the use of welded mesh in conjunction with extra heavy double horizontal wires 8-6-8.

High degree of security
Nylofor 2D Super are recommended as fencing systems for applications where security is crucial, because of the small mesh and the heavy wires.

Long lifetime
Betafence's coating technology guarantees a long lifetime. After galvanising an adhesion coating is applied for a perfect bond with the polyester coating.

Complete system
The system includes panels in different mesh apertures and heights, posts with adapted fixing systems and a large range of gates. A large assortment of standard colours is available.
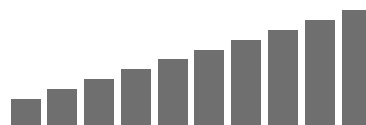
Product detail
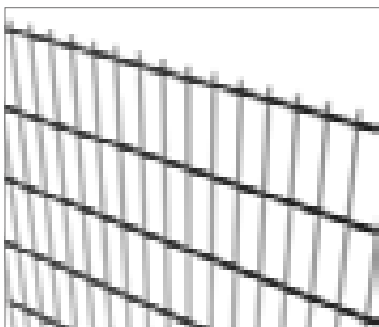
Functionalities

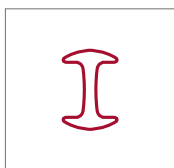PRIVACY INFILL COMPATIBLE   DISSUASION

Security level
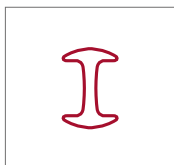*(when compared to other **residential and medium security panel** options)*

10

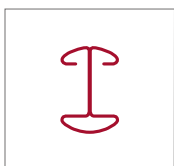# Post and fixing systems

(post shape illustrated below)

Bekafix®
Metal posts dimension **70 x 44mm**, H-shape with hook plastic cap. Panels are attached to the side of the posts using polyamide or a metal fixator.
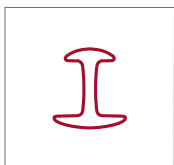
Bekafix® Ultra
Metal posts dimension **70 x 44mm**, H-shape with hook plastic cap. Coating and post steel strength are higher, for corrosive environment or high fences. Panels are attached to the side of the posts using a metal fixator.

Izifix®
Metal posts dimension **75 x 50mm**, H-shape with plastic cap. Panels are held to integrated hooks placed down the length of the post. No accessories or fixation needed.

UniLox®
Metal posts dimension **70 x 64/70 x 44mm**, H-shape with flat plastic cap. Compatible with two installation methods (po/pa/po or po/po/pa). Panels are attached to the side of the posts using a metal fixator. Plastic flat cap on top of the post. Ideal system when your panels are filled with Screeno Wave privacy system.
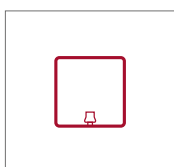
Nylofor® Twilfix®
Metal post dimension **60 x 60mm**, with M8 inserts on one face and a plastic cap. Panels are attached to the front part using fixators and safety fastening system. For installation higher than 2.50m, post section can be 80 x 60 or 120 x 60mm.
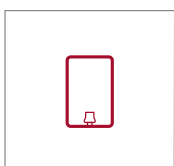
D-Lox®
Metal posts dimension **60 x 40mm**, with plastic cap on top. Panels are held to the front of the post with a specific steel support. To fix the panel, choose between metallic fixators or full cover plate.
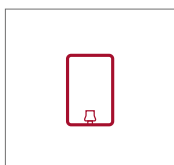
O-Lox®
Metal posts dimension **60 x 40mm**. Panels are fixed to the front of the post with butterfly stainless steel fixator and plastic cap or stainless steel fixing plate and plastic cap or full-length cover plate and aluminium overhang cap. Ideal when combined with Screeno Wave Privacy slats.

- *For more information on the above posts, please refer to the relevent product page or flyer*

Panels

The double bar panels panels have a width of 2500mm and a height from 630 to 2430mm. The panels have vertical barbs of 30mm on one side and are reversible (barbs at top or at bottom).

- Mesh size: 200 x 50 mm
- Horizontal double wire: 2 x 8mm
- Vertical wire diameter: 6mm

Privacy system available

Nylofor 2D Super panels can be filled with Screen Wave for a full privacy solution.

Coating technique

Panels are made of pre-galvanised wire (minimum 30g/m²) and polyester top layer with a minimum a layer thickness of 100 microns. The PES coating thickness is the average of 10 measurements.

Colours

Green RAL 6005, Grey RAL 7016 and Black RAL 9005. Other colours are available on request.

Gates

The Nylofor 2D Super system is completed by the Robusta Nylofor single or double swing gate or sliding gate.

Nylofor® 2D Super range	
Fence height (mm)	Panels width x height (mm)
630	2500 x 630
830	2500 x 830
1030	2500 x 1030
1230	2500 x 1230
1430	2500 x 1430
1630	2500 x 1630
1830	2500 x 1830
2030	2500 x 2030
2230	2500 x 2230
2430	2500 x 2430

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

Securifor® Flat

Securifor is a high security fencing system made of anti-climb welded panels supported by the choice of high security posts.

Benefits

Vandal resistant
The finger-proof aperture combined with 4mm wire diameter provides a substantial barrier that is difficult to climb and break through, almost impossible to cut wires with the use of conventional bolt or wire cutters.

Secure and discreet
The ultimate system for providing a high degree of security where a discreet visual impact on the immediate environment is essential.

Efficient deterrence
An effective deterrent to intruders available in various heights up to 6m – specially designed for high security applications. Compatible with electronic alarm and detection systems.
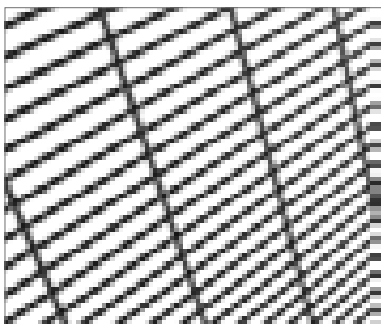
Durable
Low maintenance and long life resulting from high quality coating.

Complete system
Supplied as a complete system with panels, several post systems and gates.
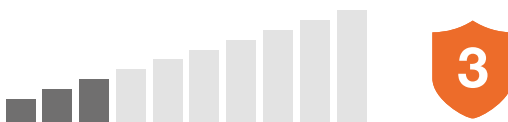
Product detail

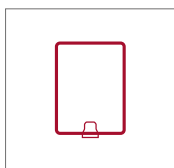## Functionalities

DISSUASION   DELAY

Security level
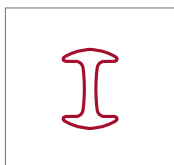*(when compared to other **high security panel** options)*

3
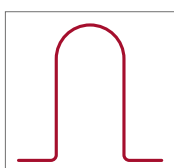
Post and fixing systems

(post shape illustrated below)

Securifor® rectangular posts
Metal posts dimension **80 x 60 x 2.5mm or 120 x 60 x 3mm** (depending on the post length) with plastic cap on top. The posts have a M8 threaded inserts. The panels are fixed using specific spider fixators or full-length cover plates and one-way bolts.

Bekafix® Ultra
Metal posts dimension **70 x 44mm**, H-shape with hook plastic cap. Coating and post steel strength are higher, for corrosive environment or high fences. Panels are attached to the side of the posts using a metal fixator.

Bekasecure®
Metal posts dimension **140 x 135 x 4mm**. Front of the post is equipped with a double range of holes **10 x 20mm** and the panels are secured to the posts with a continuous cover plate and specific stainless steel security bolts. The open profile of the post (patented) allows for electrical or fibre optic cabling and is closed on top with a specific metal cap.

- *The top of the panels must be reinforced with a U-profile, available in steel (to be fixed with bolts) or in aluminium*

- *For more information on the above posts, please refer to the relevent product page or flyer*

Panels

These heavy welded mesh panels have a width of 2518.6mm and a height of 2000 to 6000mm. Several panels can be installed one above the other. Panels in one piece up to 6m high are also available. Weld strength: 50% of the minimum tensile strength of the wire. In tests, performed by specialised police departments, the mesh had a delay factor 40x greater than other standard fence products – a vital requirement to capture potential escapees. Fully tested to comply with the security standards in Europe.

- Mesh size: 76.2 x 12.7mm
- Horizontal wire diameter: 4mm
- Vertical wire diameter: 4mm

Coating technique

Panels are made of pre-galvanised wire (minimum 25g/m²) and polyester top layer with a minimum a layer thickness of 100 microns. The PES coating thickness is the average of 10 measurements. The panels are also available coated in Zincalu Super (95% zinc, 5% aluminium) or galvanised and polyester coated for long life protection.

Colours

Green RAL 6005 and Black RAL 9005. Other colours and Zincalu Super finishing are available on request.

Gates

The Securifor system is supplied with matching gates using the same high security mesh infill as the fence. Single or double swing gate or sliding gate.

Securifor® Flat range	
Fence height (mm)	**Panels width x height (mm)**
2000	2518.6 x 2010.6
2400	2518.6 x 2417.0
3000	2518.6 x 3001.2
4000	2518.6 x 4004.5
6000	2518.6 x 6011.1

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

Securifor® 2D

The Securifor 2D system uniquely developed to combine very high rigidity and security with an aesthetic design.

Benefits

Secure
Securifor 2D is the ultimate heavy weld-mesh panel for providing the highest degree of security. The rigidity of the panels is further obtained by the inclusion of 6mm vertical wires and the addition of double 4mm horizontal wires each 152.4mm at the inside face of the panel. This product is ideally suited for applications that require high rigidity and where trespassing is prohibited.

Vandal resistant
The finger-and-toe-proof mesh profile combines an anti-climb and anti-cut panel with excellent visibility and resistance to vandalism. The small mesh apertures with heavy wires results in long delay times when using basic hand tools to attempt cutting through the panel.
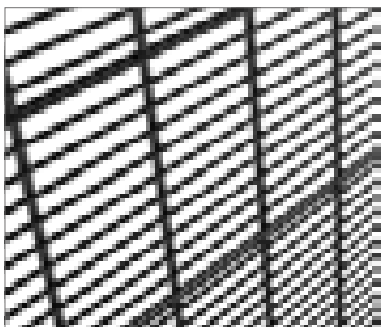
Discreet
Minimal visual impact on the environment with excellent see through visibility, essential for use with security cameras.

Durable
Low maintenance and long life resulting from high quality coating.
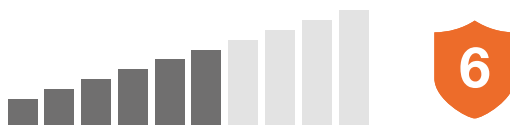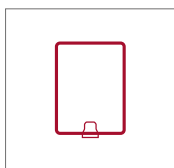
Product detail

Functionalities

DISSUASION   DELAY

Security level
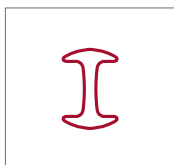*(when compared to other **high security panel** options)*

6
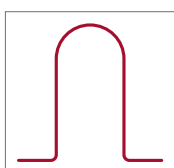
Post and fixing systems

(post shape illustrated below)

Securifor® rectangular posts
Metal posts dimension **80 x 60 x 2.5mm or 120 x 60 x 3mm** (depending on the post length) with plastic cap on top. The posts have a M8 threaded inserts. The panels are fixed using specific spider fixators or full-length cover plates and one-way bolts.

Bekafix® Ultra
Metal posts dimension **70 x 44mm**, H-shape with hook plastic cap. Coating and post steel strength are higher, for corrosive environment or high fences. Panels are attached to the side of the posts using a metal fixator.

Bekasecure®
Metal posts dimension **140 x 135 x 4mm**. Front of the post is equipped with a double range of holes **10 x 20mm** and the panels are secured to the posts with a continuous cover plate and specific stainless steel security bolts. The open profile of the post (patented) allows for electrical or fibre optic cabling and is closed on top with a specific metal cap.

- *For more information on the above posts, please refer to the relevent product page or flyer*

Panels

These heavy welded mesh panels have a width of 2614.6mm and a height of 2000 to 6000mm. The horizontal wires are at 12.7mm and intermittent double wire at 152.4mm centre on the inside face of the panel. Weld strength: 50% of the minimum tensile strength of the wire. Tensile range 540-690N/m².

- Mesh size: 76.2 x 12.7mm
- Horizontal wire diameter: 4mm
- Vertical wire diameter: 6mm

Coating technique

Panels are made of pre-galvanised wire (minimum 25g/m²) and polyester top layer with a minimum a layer thickness of 100 microns. The PES coating thickness is the average of 10 measurements.

Colours

Green RAL 6005 and Black RAL 9005. Other colours and Zincalu Super finishing are available on request.

Gates

The Securifor 2D system is supplied with matching gates using the same high security mesh infill as the fence. Single or double swing gate or sliding gate.

Securifor® 2D range	
Fence height (mm)	**Panels width x height (mm)**
2000	2514.6 x 1981.2
2400	2514.6 x 2438.4
3000	2514.6 x 3048.0
4000	2514.6 x 3962.4
6000	2514.6 x 6007.1

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

BETAFENCE
a PRÆSIDIAD brand

Securifor® 3D

The Securifor 3D system is a complete system developed to combine high security and aesthetic design.

Benefits

High security
The panels are heavy welded mesh with small rectangular apertures. Because of the large wire diameter (4mm) and the restricted size of mesh (12.7 x 76.2mm) Securifor 3D offers maximum security.

Attractive design
The horizontal V-folds make the Securifor 3D system ideally suitable for an environment where security and aesthetics go hand in hand.

Long lifetime
Betafence's coating technology is state of the art and guarantees a high longevity.

Good visibility
In spite of the small mesh aperture the see-through characteristics remain unimpaired when viewed head-on and even at an angle to the fence. This is particularly important for clear camera surveillance.

Complete system
Supplied as a complete system with panels, several post systems and gates.

Product detail

Functionalities

DISSUASION   DELAY

Security level
*(when compared to other **high security panel** options)*

4

Post and fixing systems

(post shape illustrated below)

Securifor® Rectangular
Metal posts dimension **80 x 60 x 2.5mm or 120 x 60 x 3mm** (depending on the post length) with plastic cap on top. The posts have a single row of M8 threaded inserts. The panels are fixed using specific spider fixators or full-length cover plates and one-way bolts.

Bekafix® Ultra
Metal posts dimension **70 x 44mm**, H-shape with hook plastic cap. Coating and post steel strength are higher, for corrosive environment or high fences. Panels are attached to the side of the posts using a metal fixator.

- *For more information on the above posts, please refer to the relevent product page or flyer*

Panels

The panels are heavy welded mesh, provided with horizontal V-folds. Width: 2518.6mm.

- Mesh size: 76.2 x 12.7mm
- Horizontal wire diameter: 4mm

Coating technique

Panels are made of pre-galvanised wire (minimum 25g/m²) and polyester top layer with a minimum a layer thickness of 100 microns. The PES coating thickness is the average of 10 measurements.

Colours

Green RAL 6005. Other colours are available on request.

Gates

The Securifor 3D system is supplied with matching gates using the same high security mesh infill as the fence. Single or double swing gate or sliding gate.

Securifor® 3D range		
Fence height (mm)	**Panels width x height (mm)**	**Number of V-folds per panel**
2000	2518.6 x 2010.6	2
2400	2518.6 x 2417.0	3
3000	2518.6 x 3001.2	3

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

Securifor® 4D

The Securifor 4D system's unique feature of front and back alternating wires offers excellent rigidity for high security environments.

Benefits

High rigidity
Securifor 4D is the ultimate in heavy weldmesh panel fencing when the highest degree of security is needed. With individual alternating wires (1/1) the panel is 10 times stronger than a flat panel.

Adequate delay time
Securifor 4D's unique feature of alternating wires makes it cumbersome to cut when a breach is attempted. The small mesh apertures (standard: 12.7 x 76.2mm) offer no toe or finger holds, making it near impossible to climb. This results in a longer delay time between first attempt and possible breach, offering response teams and reaction mechanisms adequate time to deploy and intercept effectively.

Visibility
Securifor 4D offers excellent visibility through the fence, essential for use with CCTV and surveillance systems.

Discreet
Securifor 4D has a minimal visual impact on the environment due to its sleek and clean design. Our many colour options can be incorporated into an overall look and feel, if required.

Product detail

Functionalities

DISSUASION   DELAY
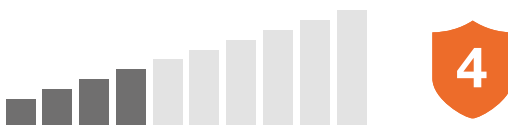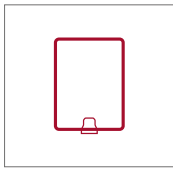
Security level
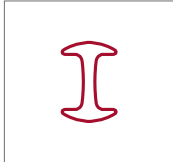*(when compared to other **high security panel** options)*

5

Post and fixing systems

(post shape illustrated below)

Securifor® Rectangular
Metal posts dimension **80 x 60 x 2.5mm or 120 x 60 x 3mm** (depending on the post length) with plastic cap on top. The posts have a single row of M8 threaded inserts. The panels are fixed using specific spider fixators or full-length cover plates and one-way bolts.

Bekafix® Ultra
Metal posts dimension **70 x 44mm**, H-shape with hook plastic cap. Coating and post steel strength are higher, for corrosive environment or high fences. Panels are attached to the side of the posts using a metal fixator.

Bekasecure®
Metal posts dimension **140 x 135 x 4mm**. Front of the post is equipped with a double range of holes **10 x 20mm** and the panels are secured to the posts with a continuous cover plate and specific stainless steel security bolts. The open profile of the post (patented) allows for electrical or fibre optic cabling and is closed on top with a specific metal cap.

- *For more information on the above posts, please refer to the relevent product page or flyer*

Panels

Securifor 4D panels are 2823mm width or 2514.6 mm depending on the height. A mesh pattern with alternate wire for heavy security.

- Mesh size: 76.2 x 12.7mm
- Horizontal wire diameter: 4mm
- Vertical wire diameter: 4mm
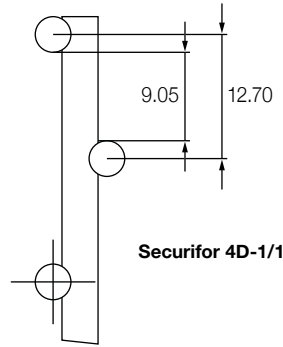
9.05   12.70

Securifor 4D-1/1

Coating technique

PES

Panels are made of pre-galvanised wire (minimum 30g/m²) and polyester top layer with a minimum a layer thickness of 100 microns. The PES coating thickness is the average of 10 measurements.
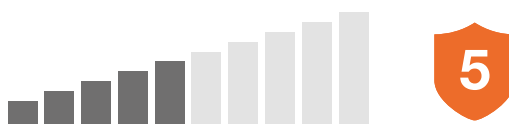
Colours

Green RAL 6005. Other colours are available on request.

Gates

The Securifor 4D system is supplied with matching gates using the same high security mesh infill as the fence. Single or double swing gate or sliding gate.

Securifor® 4D range	
Fence height (mm)	**Panels width x height (mm)**
2000*	2819.4 x 2006.6
2400*	2819.4 x 2413
3000*	2514.6 x 2997.2

* Complete assortment is MTO. Other heights available on request

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

BETAFENCE
a PRÆSIDIAD brand

Securifor®
Defender

The Securifor® Defender system is an independently tested and certified high security anti-grind, anti-climb delay fencing system.

Benefits

- ASTM F2781-15 forced entry resistance certified
- Exceeds ASTM forced entry resistance requirements – minimum of 6.8 minutes aggressive threat delay
- Over 40% visibility index ensuring good visibility when combined with surveillance cameras
- The fence is made up of two panels with integrated vertical panels to reinforce the cavity
- Integrated fixators securely connect the front and back panels
- Compatible with detection technologies
- Easy and fast to install
- Retro fit possibilities

Visit the Betafence YouTube channel to watch the **Securifor Defender** video

Product detail
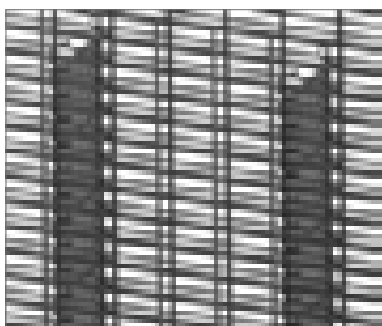
Functionalities

DESIGN   DISSUASION   DELAY

Security level
*(when compared to other **high security panel** options)*

10
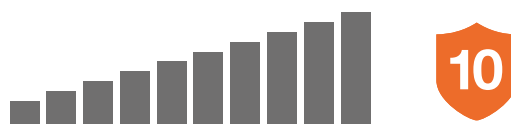
Tested and certified

Securifor Defender is independently tested at an accredited ASTM testing facility and is certified to ASTM F2781-15 standards as follows:

Threat level	ASTM requirement	Structured test	ASTM Rating	Used tools
Low	N/A	Exceeded	16.7 minutes	Hammer/ saw/crowbar
Medium	10 minutes	Exceeded	13 minutes	Bolt cutter/ angle grinder
Aggressive	5 minutes	Exceeded	6.8 minutes	Gasoline-powered angle grinder

Anti-personnel fence solution

Securifor Defender exceeds ASTM forced entry resistance requirements and its small apertures make climbing or scaling the fence virtually impossible.

Tested to ASTM standards, Securifor Defender is the ideal fencing solution for high security applications such as:

- Oil and gas
- Critical Infrastructure
- Industrial facilities
- VIP protection
- Military facilities
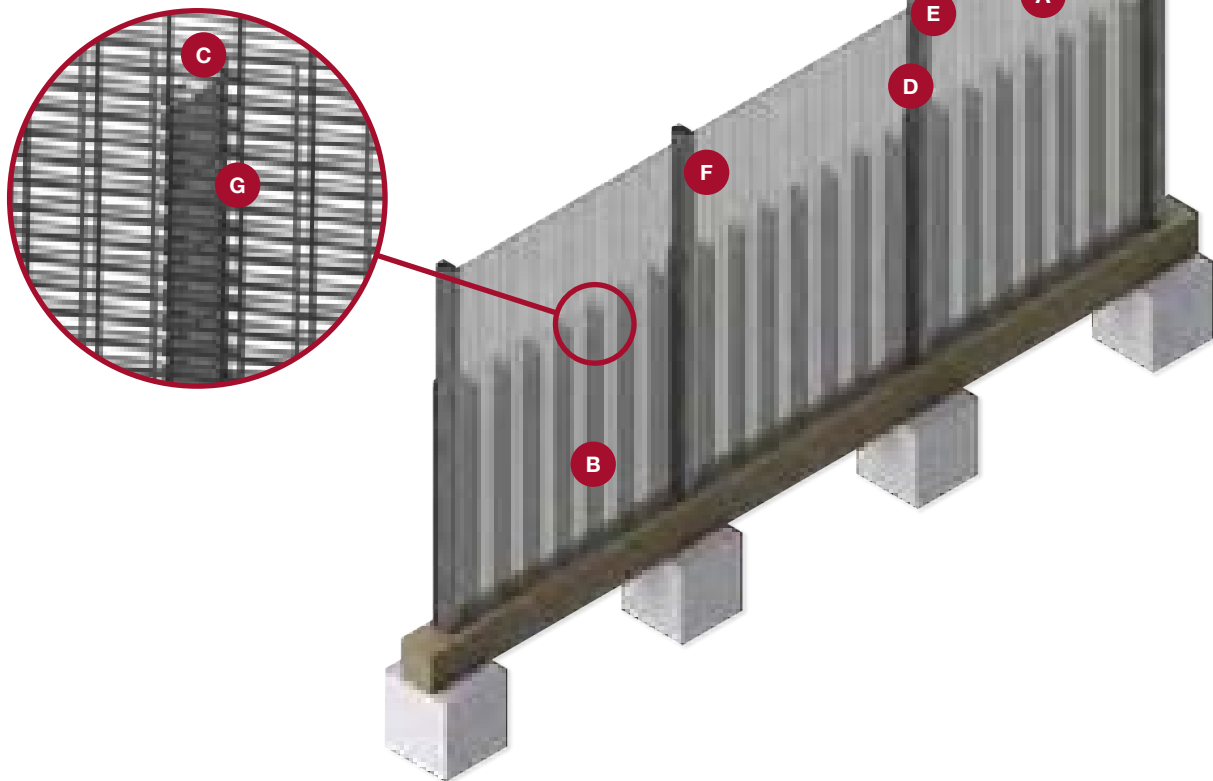
The system

To increase resistance to forced entry attempts, our modular cassette design consists off:

- Two attack mitigation fence panels front and back
- Vertical separator panels to strengthen the cavity
- A cover plate and one way security bolt to fix the panels to the posts.
- Optional extras like razor tape wire or barbed wire

Parts

The unique and patented system consists of:

A. Securifor Defender flat front panels
B. Securifor Defender flat back panels
C. Securifor Defender flat vertical panels
D. Rectangular posts
E. Coverplates
F. One way bolts
G. Spirals to connect front and back panel

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

BETAFENCE
a PRÆSIDIAD brand

Razor Tape

The razor wire coils are manufactured using mild steel wire and are equipped with sharp blades. It adds an anti-climb quality to almost all fences.

Benefits

The barbed wire systems "Razor Tape" are an effective deterrent to climbing the fence, they provide maximum delay and limit break-ins. The state of the art coating technology guarantees a long product lifetime. All accessories are precisely integrated for quick and easy installation. A large variety of products is available on demand (a.o. different coil diameters) providing different levels of security.

Systems

The Standard Razor Tape product of Betafence has a wire diameter of 2.5mm and consists of a continuous mild steel strip that is enclosed with sharp blades. All coils are clipped together to obtain a stable and homogeneous network.

- The **flat concertina** is a network of spirals that are clipped and has a flat overlap
- The **razor wire** is a single ribbon of barbed wire with sharp blades that are unclipped and stretched above the fence

Coating technique

		Blades		
		Heavy galvanised	Galvanised	Stainless steel
Core wires	**Heavy galvanised**	✓	✓	✓
	Galvanised		✓	
	Stainless steel			✓

Product detail
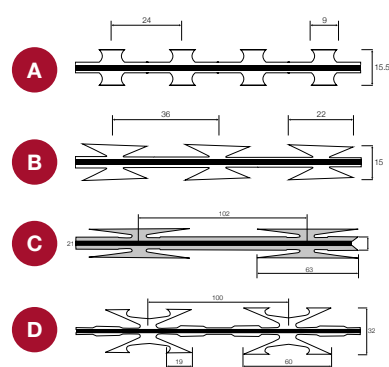
Accessories

Clips, gloves, pliers and ground hooks.

Barbed wire profiles

A. Short barb: length of barbs: 9mm; width of tape: 15.5mm
B. Medium barb: length of barbs: 22mm; width of tape: 15mm
C. Long barb: length of barbs: 63mm; width of barbs: 21mm
D. Detainer: length of barbs: 60mm; width of barbs: 32mm

Razor Tapes – standard types range				
	Approximate diameter of the compact coil	Spirals per coil	Length (mm)	Clips per spiral	Approximate diameter of the stretched coil (mm)
Medium barb galvanised/ heavy galvanised blades	730	56	12	5	610
Detainer heavy galvanised/ heavy galvanised blades	730	51	10	5	630

All other combinations on request

Functionalities

DISSUASION   DELAY

BETAFENCE
a PRÆSIDIAD brand

Bekafix®
Ultra post

A higher rigidity profiled post, for medium to high security applications, at an excellent price-quality ratio.

BETAFENCE 10 YEAR GUARANTEE EXTREME

Benefits

With the Bekafix Ultra post, all the benefits of the standard Bekafix post are kept, but by increasing the inertia considerably, its application range has become much wider.

- Quick installation
- Base plates maintained directly in between the posts, without any plate holders
- Same accessories as the Bekafix posts
- 10-year guarantee in extreme conditions

Profile

- Tubular post, profiled in H-shape, cross section of the post: 70 x 44mm, plate thickness: 1.75mm
- Central holes every 15cm for fixing the metal security clips with bolts
- Side punched holes for positioning and fixing of the panels by means of fixing clips
- I/V: 7.29 cm^3; yield strength: 550MPa; relative strength Bekafix Ultra: 401 compared to 132 for Bekafix posts
- Post cap with hook to hang panels for ease of installation

Accessories/options
(same as Bekafix post, except for metallic fixators)

- Fixing system: plastic coated metal clip with, as an option, one-way security bolt
- Bekafix installation plier
- Spider fixing for installation of Securifor panels
- Base plate for installation on tiles or concrete floor
- Connection piece to create bent arm for panels or extension
- Single or double bent arms for Bekafix range

Coating technique

PES

Magnelis® inside and outside and polyester coated (minimum 100 microns).

Colours

Green RAL 6005, Black RAL 9005, Anthracite RAL 7016 and White RAL 9010. Other colours are available on request.

Product detail

Compatible products

- All Nylofor® panels (in superposition) (up to 4m)
- CreaZen® panels
- Securifor® panels (up to 3m)
- Screeno® Line Privacy
- Collfort® Privacy

Bekafix® Ultra post range			
Fence height (mm)	Post length (mm)	Number of fixators per intermediate post	Number of fixators per end post
1930*	2475	8	4
2030	2575	8	4
2430	3175	8	4
3000	3775	10	5
4000	4775	12	6

* The same post can be used for installation in concrete or foot plate. Other heights are available on request

BETAFENCE
a PRÆSIDIAD brand

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

D-Lox® post

Post system for flat panels. Two fixings systems are available: with clamps or with U-cover plate.

10 YEAR GUARANTEE
5 YEAR GUARANTEE ENHANCED

Product detail

With cover plate

With clamps

Compatible products

- Nylofor® 2D
- Nylofor® 2DS
- Nylofor® F

Benefits

- Two fixing systems available
- Panel-mounting support pre-installed on post

Profile

- Welded rectangular posts
- Cross section of the post: 60 x 40mm
- Plate thickness: 1.5 or 2mm depending on post height
- Plastic cap pre-mounted on the post
- I/V: 5.00 cm³ (for plate thickness: 1.5mm) or I/V: 6.19cm³ (for plate thickness: 2.0mm)
- M8 inserts pre-installed

Accessories/options

- Metal panel fixators
- U-cover plates
- Separate slide-in foot plate or welded foot plate
- Security bolts M8 x 40
- Bent arms
- Corner clamps

Coating technique

PES

Galvanised inside and outside (275g/m² – both sides combined) and plastic coated (minimum 60 microns).

Colours

Green RAL 6005 and Anthracite RAL 7016. Hot-dip galvanised finish available. Other colours are available on request.

D-Lox® post range			
Panel height (mm)	Post section (mm)	Post length (mm)	Number of clamps per post
630	60 x 40 x 1.5	1000	3
830	60 x 40 x 1.5	1300	3
1030	60 x 40 x 1.5	1500	4
1230	60 x 40 x 1.5	1700	4
1430	60 x 40 x 1.5	2000	4
1630	60 x 40 x 1.5	2200	5
1830	60 x 40 x 2	2400	5
2030	60 x 40 x 2	2600	5
2230	60 x 40 x 2	3000	6
2430	60 x 40 x 2	3200	6

E-Lox® post

Posts for Nylofor F and all Nylofor 3D panel-systems. A flexible post distance results in a simple and economical installation.

BETAFENCE 10 YEAR GUARANTEE

BETAFENCE 5 YEAR GUARANTEE ENHANCED

Benefits

- "Endless" installation
- Panels can be installed following the slope

Profile

- Welded rectangular posts
- Cross section of the post: 60 x 40 x 2.0mm
- Plastic cap pre-mounted on the post
- I/V: 6.19cm³
- Pre-drilled holes for fixing the corresponding hook screws in M8 with break-off nut

Accessories/options

- Separate slide-in foot plate or welded foot plate
- Bent arms (single or double sided)
- Hooks M8 x 80 for Nylofor 3D panels and specific panels connector
- Hooks M8 x 90 for Nylofor F panels and specific panels connector
- Angles and slopes connectors

Coating technique

PES

Galvanised inside and outside (275g/m² – both sides combined) and plastic coated (minimum 60 microns).

Colours

Green RAL 6005 and Anthracite RAL 7016. Hot-dip galvanised finish available. Other colours are available on request.

Product detail

Compatible products

- Nylofor® 3D (XL)
- Nylofor® 3D+
- Nylofor® 3D Essential
- Nylofor® 3D Light
- Nylofor® F

E-Lox® post range			
Panel height (mm)	Post section (mm)	Post length (mm)	Number of hooks per post
630	60 x 40 x 2	1000	2
830	60 x 40 x 2	1300	2
1030	60 x 40 x 2	1500	3
1230	60 x 40 x 2	1700	3
1430/1530	60 x 40 x 2	2000	4
1630/1730	60 x 40 x 2	2200	4
1830	60 x 40 x 2	2400	4
2030	60 x 40 x 2	2600	5
2230	60 x 40 x 2	3000	6
2430	60 x 40 x 2	3200	6

O-Lox® post

Rigid post system with cover plate or stainless steel fixing plate. Variable fixing systems and post caps.

Product detail

With cover plate

With metal plate

Compatible products

- Nylofor® 2D
- Nylofor® 2DS

Benefits

- Three different fixing systems for one standard post
- Possibility to choose the post cap
- Steps of 200mm

Profile

- Posts are built with M8 inserts every 200-400mm
- PA clamps to support the panels are fixed to the posts into inserts
- Cross section post: 60 x 40mm
- Plate thickness: 1.50mm or 2mm, depending on the height of the fence
- I/V 1.5mm = 5.0cm³
- I/V 2.0mm = 6.19cm³
- Post cap with overhang when combined with coverplate or without overhang when combined with butterfly or metal plate

Accessories/options

- Stainless steel butterfly fixators
- Full-length metal cover plate, coated same colour as the post, 40 x 4mm
- Corner clamps
- Stainless steel fixing plates
- Separate slide-in foot plate or welded foot plate

Coating technique

Galvanised inside and outside (275 g/m² – both sides combined) and plastic coated (minimum 60 microns).

Colours

Green RAL 6005 and Anthracite RAL 7016. Hot-dip galvanised finish available. Other colours are available on request.

O-Lox® post range			
Panel height (mm)	Post section (mm)	Post length (mm)	Inserts
630	60 x 40 x 1.5	1000	3
830	60 x 40 x 1.5	1300	4
1030	60 x 40 x 1.5	1500	4
1230	60 x 40 x 1.5	1700	5
1430	60 x 40 x 1.5	2000	5
1630	60 x 40 x 1.5	2200	6
1830	60 x 40 x 2	2400	6
2030	60 x 40 x 2	2600	7
2230	60 x 40 x 2	2800	7
2430	60 x 40 x 2	3000	8

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

O-Lox®
Super post

Rigid post system with cover plate or stainless steel fixing plate to combine with privacy strips.

Benefits

- Strong and rigid post system for combination with Screeno Wave privacy strips
- Post profile suitable for fence heights up to 4m
- Steps of 200mm are possible

Profile

- Posts are foreseen of inserts every 200-400mm
- PA clamps to support the panels are fixed to the posts with inserts M8
- Cross section post: 120 x 40mm
- Plate thickness: 2mm, depending on the height of the fence
- I/V: 17.34 cm³
- Plastic cap on top of the post

Accessories/options

- Flat steel cover plates (40 x 4mm)
- Stainless steel butterfly fixator
- Corner clamps
- Foot plate
- Base plate holder

Coating technique

Galvanised inside and outside (275g/m² – both sides combined) and polyester plastic coated (minimum 60 microns). Hot-dip galvanised execution is available on resquest.

Colours

Green RAL 6005 and Anthracite RAL 7016. Other colours are available on request.

Product detail

Compatible products

- Nylofor® 2D
- Nylofor® 2DS
- Screeno® Wave Privacy

O-Lox® Super post (panels with privacy infill in concrete) range			
Panel height (mm)	Post section (mm)	Post length (mm)	Inserts
1830	120 x 40 x 2	2400	6
2030	120 x 40 x 2	2700	7

O-Lox® Super post (panels with privacy infill on foot plate) range			
Panel height (mm)	Post section (mm)	Post length (mm)	Inserts
1830	120 x 40 x 2	1884	6
2030	120 x 40 x 2	2084	7

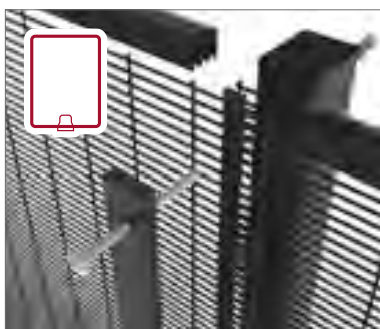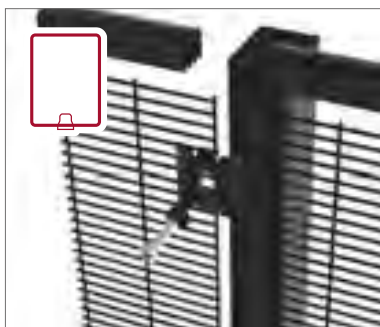| O-Lox® Super post (panels not filled) range			
Panel height (mm)	Post section (mm)	Post length (mm)	Inserts
3060 (1030 + 2030)	120 x 40 x 2	3800	11
4060 (2030 + 2030)	120 x 40 x 2	4800	14

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

Securifor® rectangular post

Rectangular posts, polyester coated on galvanised plate with special fixing system.

Benefits

- Frontal fixation of Securifor panels on Securifor square posts by means of special fixing brackets or clamp bars

Profile

- Posts made of galvanised steel profiles
- Intermediate and end posts: 80 x 60 x 2.5mm or 120 x 60 x 3.0mm with inserts for frontal fixation of panels
- Corner posts: 80 x 60 x 2.5mm or 120 x 60 x 3mm with one insert on two adjacent sides to insert two panels in an angle
- I/V: 15.1cm³ (80 x 60 x 2.5mm)
- I/V: 31.98cm³ (120 x 60 x 3mm)

Fixing methods

- Spider fixator
- Flat steel cover plate 30 x 5mm
- Flat steel cover plate 60 x 6mm

Product detail

Options

- Posts with welded base plate
- Single, double-welded or bolted vertical extension arms to support three rows of barbed wire available to provide additional security
- Other non-standard post lengths and/or sections are available on request

Coating technique

Galvanised inside and outside (275g/m² – both sides combined) and polyester plastic coated (minimum 60 microns).

Colours

Green RAL 6005. Other colours are available on request.

Securifor® rectangular post range				
Panel height (mm)	Securifor post with flat cover plate 60 x 6 (mm)	Securifor post with spider fixator (mm)	Securifor B-Thru post (mm)	Post length (mm)
2000		80 x 60 x 2.5		2600
2400		80 x 60 x 2.5		3100
3000		80 x 60 x 2.5		3700
4000	120 x 60 x 3.0		-	4800

Compatible products

- Securifor® Flat
- Securifor® 2D
- Securifor® 3D (only with spiders)
- Securifor® 4D

Bekasecure® post

The Bekasecure posts have a unique design and guarantee higher security, important rigidity and easy installation.

10 YEAR GUARANTEE BETAFENCE

5 YEAR GUARANTEE ENHANCED BETAFENCE

Benefits

The Bekasecure posts have a unique patented profile and are available with or without base plate. The panels are secured by using a continuous cover plate and specific stainless steel security bolts.

- The post's design and high yield strength steel provides the ultimate in high security, rigidity and ease of installation. The open profile of the post allows for electrical or fibre optic cabling
- Patented system

Profile

- Post profile "Omega", 140 x 135 x 4.00mm (up to 6m fence height)
- With a double range of holes 10 x 20mm for the fixation of panels and cover plates
- Specific metal cap
- I/V: 43.6cm³

Accessories/options

- Bent arms
- Welded foot plate
- Cover plates for intermediary and corner posts
- One-way security bolts for the fixation of panels, cover plate and metal caps

Coating technique

PES

Hot-dip galvanised inside and outside (505g/m² – both sides combined) and polyester plastic coated (minimum 60 microns).

Colours

Green RAL 6005. Other colours are available on request.

Product detail

Compatible products

- Securifor® Flat
- Securifor® 2D
- Securifor® 4D

Bekasecure® post range			
Panel height (mm)	Post length (mm)	Base plate (mm)	Cover plate length (mm)
To put in concrete			
3001.2	4050	-	3050
3674.3	4800	-	2060 + 1730
4004.5	4800	-	2060 + 2060
With base plate			
4004.5	4050	230 x 230 x 15	2060 + 2060
6011.1	6030	300 x 300 x 20	2060 + 2060 + 2060

Robusta® SQ25 swing gate

Single and double Robusta SQ25 swing gates with tubular infill, adapted posts, hinges, lock- and ground bolt system.

Benefits

Rigid construction
All elements of the Robusta SQ25 swing gates are of an extremely rigid construction: frame, tubes and post system.

Security
The distance between the vertical bars is 110mm, complying to the highest safety standards.

Optimal setting
The locking system allows optimal adjustment and is easy to install.

Universal opening
The hinges are adjustable and allow each gate wing to swing through 180°. All hinges are positioned symmetrically.

High quality coating
The Robusta SQ25 swing gates receive high quality coating.

Quick installation and exchange-ability
The Robusta SQ25 swing gates are designed for quick installation: the accessories are limited to a minimum for quick and easy professional installation.
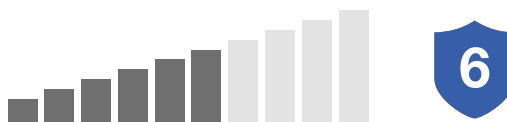
Product detail

Functionalities

DEMARCATION   MANUAL

Security level
*(when compared to other **access control** options)*

6

Frame and infill

Frame out of profile tube 60 x 40 or 60 x 60, with bars of 25 x 25mm, mitre welded in the frame at a distance of 110mm.

- *Non-standard dimensions and/or executions are available on request*

Posts

Square posts out of welded tube with cap. Dimensions differ depending on gate opening dimension. Optional welded fence connection strip or fence connection clips for the attachment of the panels to the gate posts by means of specific connection strips are available.

Included accessories

- Hinges: adjustable, allow the gate wings to open through 180°
- Lock system: external secure lock system, with adjustable latch
- Ground bolt: manufactured from stainless steel and attached to the wing, to be anchored into the central floor plate
  - Standard on double swing gate: one ground bolt
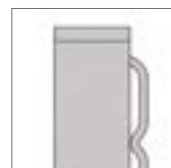- Ground stop will be delivered

CE marking

Robusta SQ25 swing gates are CE marked according to the European regulation: construction products regulations (CPR) (EU-305/2011) and type tested according to standard EN 13241-1 for industrial, commercial, garage doors and gates.
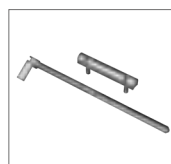
Options
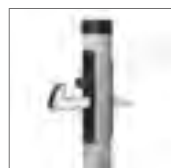
Additionnal gate catcher

Fence connection strip

Fence connection clip

Additionnal ground bolt

Ground stop with slam plate

Dental strip

Coating technique

Galvanised and polyester coated (minimum 100 microns).

Colours

Green RAL 6005, White RAL 9010, Black RAL 9005 and Anthracite RAL 7016. Hot-dip galvanised finish available. Other colours are available on request.

Robusta® SQ25 swing gate range			
Width (mm)	Height (mm)	Free passage (mm)	Overall width (mm)
Single swing gate			
1000	1030/1230/1530/1730/2030/2430	985	1145
1200	1030/1230/1530/1730/2030/2430	1255	1415
1500	1030/1230/1530/1730/2030/2430	1525	1685/1725*
2000	1030/1230/1530/1730/2030/2430	2065	2265
2500	1030/1230/1530/1730/2030/2430	2470	2670/2750**
3000	1030/1230/1530/1730/2030/2430	3010	3210/3290***
4000	1030/1230/1530/1730/2030/2430	3955	4235/4275*
4500	1030/1230/1530/1730/2030/2430	4495	4775/4815**
5000	1030/1230/1530/1730/2030/2430	5070	5350/5390****
Double swing gate			
2000	1030/1230/1530/1730/2030/2430	1930	2090
2400	1030/1230/1530/1730/2030/2430	2470	2630
3000	1030/1230/1530/1730/2030/2430	3010	3170/3210*
4000	1030/1230/1530/1730/2030/2430	4090	4290
5000	1030/1230/1530/1730/2030/2430	4900	5100/5180**
6000	1030/1230/1530/1730/2030/2430	5980	6180/6260***
8000	1030/1230/1530/1730/2030/2430	7870	8150/8190*
9000	1030/1230/1530/1730/2030/2430	8950	9230/9270**
10000	1030/1230/1530/1730/2030/2430	10100	10380/10420****

* Height: 2430mm; ** Heights: 2030-2430mm; *** Heights: 1530-1730 – 2030-2430mm; **** Heights: 1730-2030-2430mm

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

Robusta®
Nylofor®
swing gate

The Robusta Nylofor swing gates are available in single and double version with Nylofor infill as a perfect combination with Nylofor panel fences.

Benefits

Rigid construction
All elements of the Robusta Nylofor swing gates are of an extremely rigid construction: frame, Nylofor panels and post system.

Optimal setting
The locking system allows optimal adjustment and is easy to install.

Universal opening
The hinges are adjustable and allow each leaf to swing through 180°. All hinges are positioned symmetrically. Thanks to this, you can change your way of opening the gate while installing the wing (except for Nylofor 3D infill).

High quality coating
The Robusta Nylofor swing gates receive the best coating available.

Rapid installation
The Robusta Nylofor swing gates are designed for quick installation: the accessories are limited to a minimum for quick and professional installation..

Secure adjustable lock
External lock with secure adjustable latch.
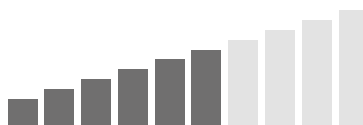
Product detail

Functionalities

DEMARCATION   MANUAL

Security level
*(when compared to other **access control** options)*

6

Frame

Frame out of square tube. Mitre welded 60 x 60 or 60 x 40mm, with welded Nylofor panel on the frame (for 3D panels) or in the frame (for Nylofor 2D/2D Super/F/3D Super panels). For gates with Nylofor 3D panel infill and height < 1730mm: barbes are pointing downwards.

- *Non-standard dimensions and/or executions are available on request*

Posts

Square posts out of welded tube with cap. Dimensions differ depending on gate opening dimension.

Optional: welded fence connection strip or fence connection clips for the attachment of the panels to the gate posts by means of specific connection strips.

Included accessories

- Hinges: adjustable, allow the gate wings to open through 180°
- Lock system: external secure lock system, with adjustable latch
- Ground bolt: manufactured from HDG and attached to the wing, to be anchored into the central floor plate
  - Standard on double swing gate: one ground bolt
- Ground stop will be delivered with double gate only

CE marking

Robusta Nylofor swing gates are CE marked according to the European regulation: construction products regulations (CPR) (EU-305/2011) and type tested according to standard EN 13241-1 for industrial, commercial, garage doors and gates.

Options

Additionnal gate catcher
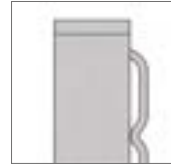
Fence connection strip

Fence connection clip
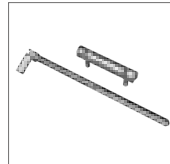
Additionnal ground bolt

Ground stop

Coating technique

Galvanised and polyester coated (minimum 100 microns).

Colours

Green RAL 6005, White RAL 9010, Black RAL 9005 and Anthracite RAL 7016. Other colours are available on request.

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

Robusta® Nylofor® 3D swing gate range

| Width (mm)	Height (mm)	Free passage (mm)	Overall width (mm)
Single swing gate			
1000	1030/1230/1530/1730/2030/2430	985	1145
1200	1030/1230/1530/1730/2030/2430	1255	1415
1500	1030/1230/1530/1730/2030/2430	1525	1685/1685/1685/1685/1685/1725
2000	1030/1230/1530/1730/2030/2430	2065	2265
2500	1030/1230/1530/1730/2030/2430	2470	2670/2670/2670/2670/2750/2750
3000	1030/1230/1530/1730/2030/2430	3010	3210/3210/3290/3290/3290/3290
4000	1030/1230/1530/1730/2030/2430	3955	4235/4235/4235/4235/4235/4275
4500	1030/1230/1530/1730/2030/2430	4495	4775/4775/4775/4775/4815/4815
5000	1030/1230/1530/1730/2030/2430	5070	5350/5350/5350/5390/5390/5390
Double swing gate			
2000	1030/1230/1530/1730/2030/2430	1930	2090
2400	1030/1230/1530/1730/2030/2430	2470	2630
3000	1030/1230/1530/1730/2030/2430	3010	3170/3170/3170/3170/3170/3210
4000	1030/1230/1530/1730/2030/2430	4090	4290
5000	1030/1230/1530/1730/2030/2430	4900	5100/5100/5100/5100/5180/5180
6000	1030/1230/1530/1730/2030/2430	5980	6180/6180/6260/6260/6260/6260
8000	1030/1230/1530/1730/2030/2430	7870	8150/8150/8150/8150/8150/8190
9000	1030/1230/1530/1730/2030/2430	8950	9230/9230/9230/9230/9270/9270
10000	1030/1230/1530/1730/2030/2430	10100	10380/10380/10380/10420/10420/10420

Robusta® Nylofor® F/2D/2D Super swing gate range

Width (mm)	Height (mm)	Free passage (mm)	Overall width (mm)
Single swing gate			
1000	1030/1230/1530/1730/2030/2430	985	1145
1200	1030/1230/1530/1730/2030/2430	1255	1415
1500	1030/1230/1530/1730/2030/2430	1525	1685/1685/1685/1685/1685/1725
2000	1030/1230/1530/1730/2030/2430	2065	2265
2500	1030/1230/1530/1730/2030/2430	2470	2670/2670/2670/2670/2750/2750
3000	1030/1230/1530/1730/2030/2430	3010	3210/3210/3290/3290/3290/3290
4000	1030/1230/1530/1730/2030/2430	3955	4235/4235/4235/4235/4235/4275
4500	1030/1230/1530/1730/2030/2430	4495	4775/4775/4775/4775/4815/4815
5000	1030/1230/1530/1730/2030/2430	5070	5350/5350/5350/5390/5390/5390
Double swing gate			
2000	1030/1230/1530/1730/2030/2430	1930	2090
2400	1030/1230/1530/1730/2030/2430	2470	2630
3000	1030/1230/1530/1730/2030/2430	3010	3170/3170/3170/3170/3170/3210
4000	1030/1230/1530/1730/2030/2430	4090	4290
5000	1030/1230/1530/1730/2030/2430	4900	5100/5100/5100/5100/5180/5180
6000	1030/1230/1530/1730/2030/2430	5980	6180/6180/6260/6260/6260/6260
8000	1030/1230/1530/1730/2030/2430	7870	8150/8150/8150/8150/8150/8190
9000	1030/1230/1530/1730/2030/2430	8950	9230/9230/9230/9230/9270/9270
10000	1030/1230/1530/1730/2030/2430	10100	10380/10380/10380/10420/10420/10420

Robusta Nylofor 3D Super swing gates: assortment and dimensions available on request
* More dimensions are available for our single swing gates. Please ask for our complete assortment
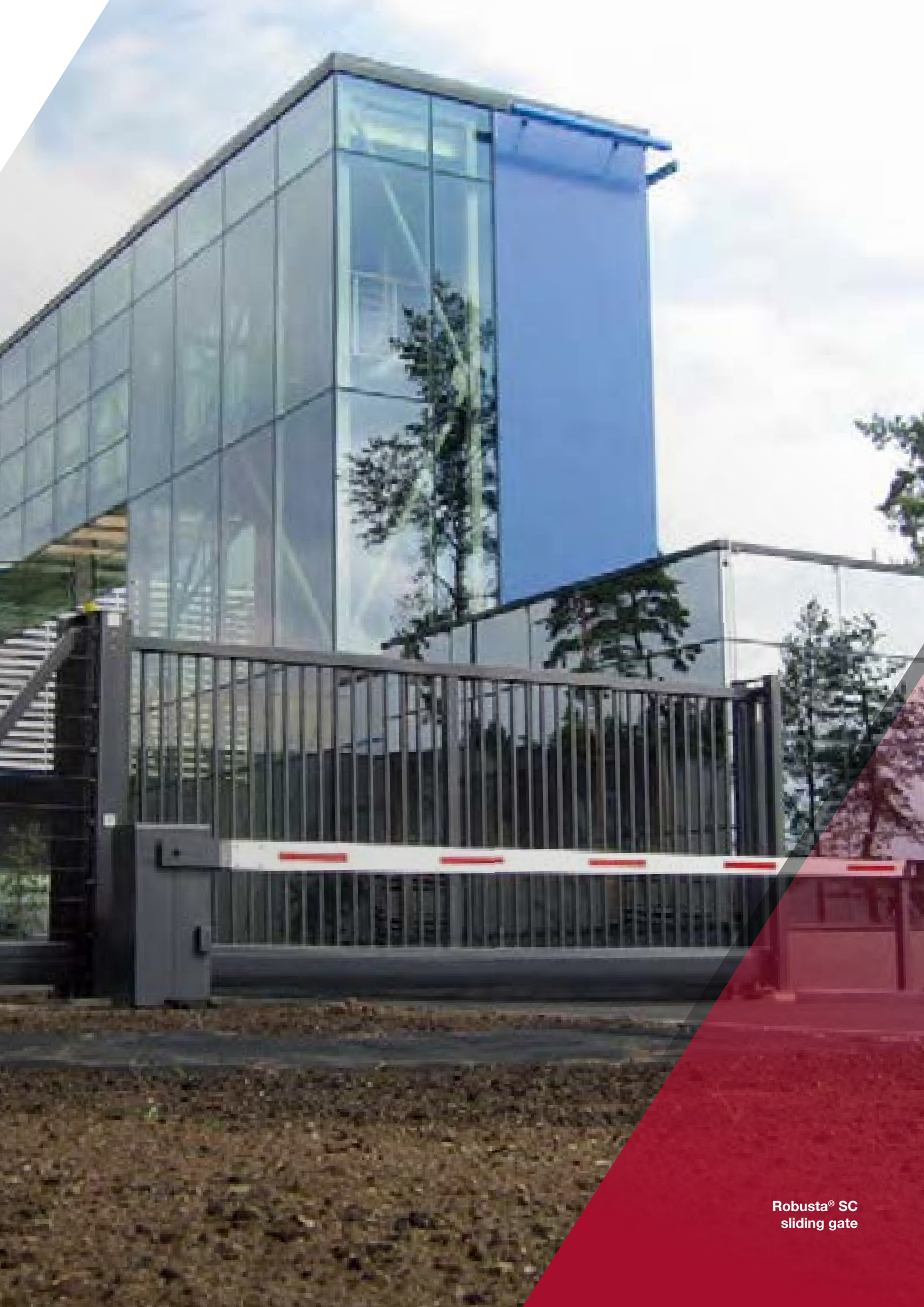
Robusta® SC
sliding gate

Robusta® SR sliding gate

Robusta SR sliding gates on rail offer optimal value for money, they have a proven reliability track and are used in various environments.

10 YEAR GUARANTEE **BETAFENCE**

CE

Benefits

Robust construction
Robusta gates have a robust frame and underbeam and have therefore guarantee a very secure operation.

Large execution range
Manual, motorisable or motorised versions are available. Various infills are possible. The gates can be perfectly combined with Robusta swing gates.

Proven reliability
The motorised gates are equipped with a qualitative European motor.

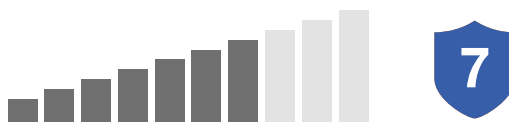**Plug and play**
Easy to install.

Product detail

Functionalities

DEMARCATION **MOTORISED** **MANUAL**

Security level
*(when compared to other **access control** options)*

7

Welded frame

- Standard tubular infill, welded at 45°
  - Two sizes of underbeam are used according to the length of gate and chosen model
- Integrated wheels and guiding rolls

Rail

Standard rail supplied, made out of galvanized steel. Height 60mm, head Ø20mm. To be sealed into concrete.

Optional rail to fixation on finished ground (split) is available on request.

Possible executions

- Manual
- Motorisable
- Motorised: deadman key or automatic (including remote control)

CE marking

Robusta gates are CE marked according to the European regulation: construction products regulations (CPR) (EU-305/2011) and type tested according to standard EN 13241-1 for industrial, commercial, garage doors and gates.
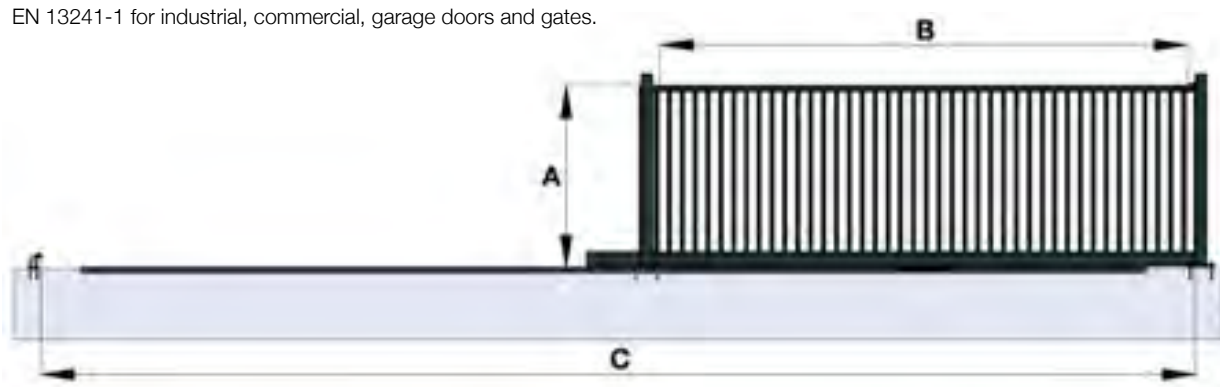
Coating technique

Robusta gates are galvanised inside and outside according to EN10346 (Z275) and polyester coated (minimum 100 microns).

Options

- Nylofor panels infills
- Securifor Flat infills
- Double guiding posts for Rail1500
- Dental strips
- Access control
  - Keypad
  - Keyswitch

Colours

Green RAL 6005, Green RAL 6009, White RAL 9010, Grey RAL 7030, Anthracite RAL 7016 and Black RAL 9005. Other colours are available on request.

Robusta® SR sliding gate range													
Commercial width (mm)	**3000**	**4000**	**5000**	**6000**	**7000**	**8000**	**9000**	**10000**	**11000**	**12000**	**13000**	**14000**
Free passage (mm) (B)	2900	3900	4900	5950	6950	7950	8950	10000	11000	12000	13050	14050
Total needed space (mm) (C)	7280	9350	11350	13370	15390	17460	19460	21560	23630	25630	27650	29670

Nominal height (mm)	Real height from fdn. (mm) (A)
1200	1272
1500	1572
1700	1772
2000	2072
2400	2472

Rail 1500
Underbeam dimensions: 150 x 100mm
Infills: bars 25 x 25mm (diamond) (max. distance 110mm)
Guiding post: single
End post: single, 120 x 80
120 x 120 (for height >= 2m and or width >= 8m)

Rail 2000
Underbeam dimensions: 200 x 100mm
Infills: bars 25 x 25mm (diamond) (max. distance 110mm)
Guiding post: double
End post: double, 120 x 80

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

Robusta® SC sliding gate

Robusta SC cantilever sliding gates are designed for "optimal value for money", easy to install and can be used in various environments.

Benefits

Robust construction
Robusta SC gates have a robust frame and under-beam and therefore guarantee a very secure operation. Two versions are available (under-beam R2000 and R2800), the choice of the under-beam is determined by the required free passage.

Large execution range
Manual, motorisable or motorised versions are available (manual/500/1000 line). Various infills are possible. The gates can be perfectly combined with Robusta swing gates.

Proven reliability
The motorised gates are equipped with a high qualitative European motor and all the necessary safety equipment.

Plug and play
Easy to install, the gate is delivered completely pre-assembled.

Product detail

Functionalities

| DEMARCATION | MOTORISED | MANUAL |

Security level
*(when compared to other **access control** options)*

8

CE marking

Robusta gates are CE marked according to the European regulation: construction products regulations (CPR) (EU-305/2011) and type tested according to standard EN 13241-1 for industrial, commercial, garage doors and gates.
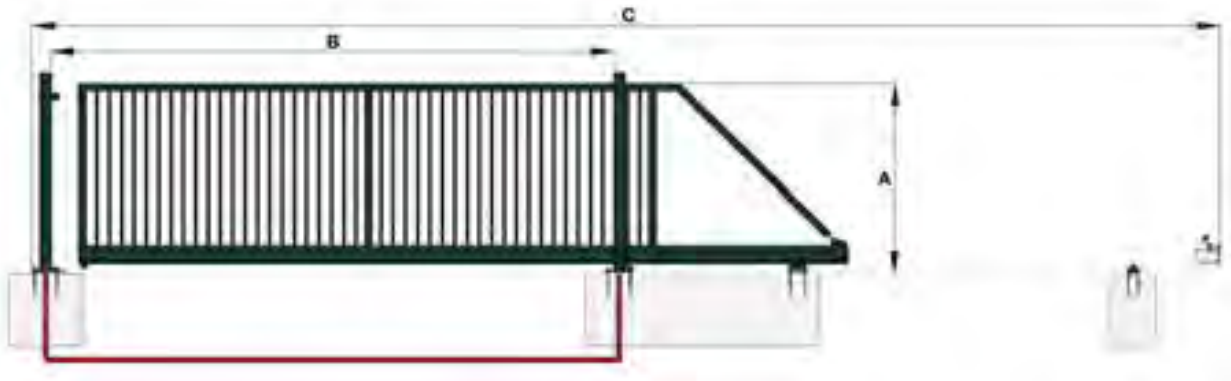
Coating technique

Robusta gates are galvanised inside and outside according to EN10346 (Z275) and polyester coated (minimum 100 microns).

Options

- Double guiding posts for R2000 (manual and motorisable)
- Dental strip

Colours

Green RAL 6005, Green RAL 6009, White RAL 9010, Grey RAL 7030, Anthracite RAL 7016 and Black RAL 9005. Other colours are available on request.

Robusta® SC sliding gate range										
Commercial width (mm)	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000
Free passage (mm) (B) manual	3232	4177	5122	6202	7282	8092	9172	10216	11431	11971
Free passage (mm) (B) motorisable	3187	4132	5077	6157	7237	8047 (R 2000)	9127 (R 2000)	10171	11386	11926
Free passage (mm) (B) automatic	3187	4132	5077	6157	7237	8007 (R 2800)	9087 (R 2800)	10131	11346	11886
Total needed space (mm) (C)	8058	10271	12298	14788	17093	19193	21948	23915	26500	27270

Nominal height (mm)	Real height from fdn. (mm) (A)		
		R 2000 Underbeam dimensions: 200 x 160mm	**R 2800** Underbeam dimensions: 280 x 200mm
1000	1072	Frame: 80 x 60mm Infills: bars 25 x 25 x 1.50mm (square)	Frame: horizontal: 100 x 100mm; vertical: 100 x 80mm Infills: bars 30 x 30 x 1.50mm (square)
1200	1272	(max. distance between the bars is 110mm)	(max. distance between bars is 105mm)
1500	1572	Optional infill: Nylofor panels and SEC flat	Optional infill: Nylofor panels and SEC flat
1700	1772	Guiding post: 120 x 80 x 3mm 120*120 (for height >= 2m and or width >= 8m)	Guiding post: double, 120 x 80 x 3mm
2000	2072	*For automatic gates: guiding post is always single-sided*	*For automatic gates: guiding post is always single-sided*
2400	2472	**R 2000** (characteristics same as R 2000 above)	**R 2800** (characteristics same as R 2800 above)

Possible executions

R2000/2800 manual gate
Our gate is designed for manual operation and will be fitted with a Locinox key-operated lock. The direction of opening can be reversed on site at the time of installation.

R2000/2800 motorisable gate (manual line)
Our gate is designed for the installation of an external motor later onwards.

R2000/2800 motorised gate (deadman key) (500 line)
Due to our exclusive partnership with FAAC we can offer you a gate that is factory fitted with an external motor and no safety devices. The gate is operated by a dead man key switch. The gate operator is responsible for the safe working of the gate.

R2000 motorised gate (fully automatic) (500/1000 line)
R2800 motorised gate (fully automatic) (1000 line)
Due to our exclusive partnership with FAAC, we can offer you a gate that is factory fitted with an external motor and all necessary safety items and operating items. The gate is delivered fully pre-wired, and ready to operate. We offer two types here: motorisation for normal usage (500 line) and motorasation for intensive usage (1000 line) (the correct type should be determined by the amount of opening cycles/day).

Wing frame and infill

- Welded frame
- Standard tubular infill (other infill possible as option)
- Two sizes of underbeam are used according to the length of your gate and the chosen model
- Integrated tension system

Posts

All of our gates are supplied with a guiding post and lock post in single or double version. This according to the gate configuration. Please see table on next page for further details.

CE marking

Robusta gates carry the CE mark, in accordance with the European directive. They are manufactured in accordance with the requirements of the directives (89/106/EC) and are tested according to EN 13241-1 specifications for industrial and commercial applications.

Motorised version and equipment

Robusta motorised SC sliding gates are available in two versions: dead-man key or fully automatic.

The dead-man key version (500 line) comprises the FAAC motor, its control logic and a key switch, requiring no other safety devices on the gate.

The fully automatic version (500/1000 line) comprises the FAAC motor and its control unit. It also comprises:

- Three pressure strips (active): contact with the pressure strips automatically reverses the movement of the gate
- Photocells: the passage of the gate is monitored by two pairs of photocells as it closes – activation will automatically reverse the movement of the gate
- Remote control: the gate is provided with two two-channel remote controls, additional remote controls are possible – the system accepts up to 128 remote controls
- Warning light: to warn that the gate is opening or closing

Motor specification (normal or intensive use):

- Supply voltage: 230V AC

Rating:

- 746: 400W (normal use – 500 line)
- 844: 660W (intensive use – 1000 line)

- Gate speed: 9m/min
- Magnetic end stops

Easy installation

All our Robusta gates are fully pre-wired and ready to be quickly installed by professionals. The motor is mounted on a plate for attaching the motor to the guiding post. In the event of a power failure, the motor can be disengaged to enable manual opening.

Coating technique

Robusta SC sliding gates are protected by the best coating process currently available: galvanising inside and out (minimum thickness 275g/m², two sides combined), followed by a polyester coating (minimum thickness of the layer: 100 microns).

Colours

Green RAL 6005, Green RAL 6009, White RAL 9010, Grey RAL 7030, Anthracite RAL 7016, Blue RAL 5010 and Black RAL 9005. Other colours are available on request.

Robusta® SC sliding gate technical specifications		
Type	**R2000**	**R2800**
Free passage (heights from 1.00 to 2.40m)	3-9m	8-12m
Available versions	Manual Motorisable Motorised (dead man key plus full automatic)	
Gate wing construction		
Underbeam	200 x 160 x 5mm	280 x 200 x 5mm
Frame	80 x 60 x 3mm	100 x 100 x 3mm (horizontal) 100 x 80 x 3mm (vertical)
Tubular infill (standard)	25 x 25 x 1.5mm	30 x 30 x 1.5mm
Distance between bars	110mm	105mm
Locinox key lock	Only for manual gate	
Optional infill		
Nylofor panels or SEC flat	Optional	
Guiding post	**Manual and motorisable versions**	
Type	Single post bridge	Double post bridge
Dimensions if height is less than 2m	120 x 80 x 3mm	120 x 80 x 3mm
Dimensions if height equal to or greated than 2m	120 x 120 x 3mm and all heights from 8m	120 x 80 x 3mm
Double sided guiding post	Optional	
Guiding post	**Motorised version**	
Type	Single post	Single post
Dimensions	120 x 80 x 3mm/120 x 120 x 3mm	200 x 100 x 4mm
Lock post	**Manual version**	
Type	Post in line	Post in line
Dimensions	120 x 120 x 3mm	120 x 120 x 3mm
Lock post	**Manual and motorisable versions**	
Type	Double post bridge	
Dimensions	120 x 80 x 3mm	120 x 80 x 3mm
Lock post	**Manual and motorisable versions**	
Module	Module 4	
Material	Steel-reinforced PA6	
Pre-installed	Yes	

Technical specifications for the motorisation of Robusta® SC sliding gate (746 er = 500 line/844 = 1000 line)			
	R2000		**R2800**
Use	Normal (1)	Intensive	Intensive
FAAC motorisation type	746	844	844
Controller reference	780D		
Number of photocells	Two sets		
Photocell heights (hardwired)	180 and 900mm		
Pressure strips	Active ASO		
Number of pressure strips on the guiding post bridge	2		
Gate wing head pressure strip	Active		
Pressure strip on beam at the rear of the gate wing	Not possible		
Warning light	1 PC		
Area lighting	Optional		
Number of remote-controls supplied, two channels	2		
Number of controls available for dry contacts	2		

(1) Normal use: max. 50 cycles per day

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

Egidia® SC sliding gate

Egidia SC sliding gates are developed for industrial areas with frequent use. The design of the gate results in great value for money.

Benefits

Large range
Egidia gates are available in several heights from 1.00 to 2.4m and widths from 4 to 9m.

Price/quality
Egidia SC cantilever sliding gates offer an excellent price/quality ratio. The gate is designed to provide the best compromise between quality and price.

Design
The universal design of Egidia matches any type of fencing system.

Safety
The distance between the vertical bars is according to the norm. Fitting the roller system in the underbeam avoids accidents.

Complete system
The cantilever sliding gate can easily be used in conjunction with Egidia swing gates and the Betafence fencing system.
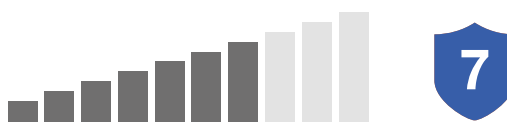
Product detail

Functionalities

DEMARCATION   MOTORISED

Security level
*(when compared to other **access control** options)*

7

Wing frame and infill

- Underbeam: 120 x 100 x 5mm (welded to the wing's frame; both are HDG afterwards)
- Lower profile of the frame: 80 x 60 x 2mm (rest of frame 60 x 60 x 2mm)
- Two rollersets with polyamide rollers are forseen for each gate
- Locinox key-operated lock (standard forseen for manual gates)
- Welded frame
- Integrated tension system

Egidia sliding gates are available with two types of infill:

- Infill with profiles 20 x 20 x 1.5mm (tubular)
- Nylofor 3D panels, max. 2m (the panels are screwed to the frame of the wing, using clamp plus bolts)

Possible executions

Manual gate
Our gate is designed for manual operation and is fitted with a key-operated Locinox lock.

Motorisable gate
Our gate is designed for the installation of an external motor later onwards. A dental rack is mounted on the beam and inspection plates are provided for the passage of wiring afterwards.

Motorised gate (fully automatic)
Due to our exclusive partnership with FAAC, we can offer you a gate that is factory fitted with an external motor and all necessary safety items and operating items. The gate is delivered fully prewired, and ready to operate. We offer two types of motorisation:

- Standard for intensive use: 500 line (except for 8 and 9m width, where we provide a 1000 line)
- Intensive use: 1000 line

CE marking

Egidia SC sliding gates are CE marked according to the European regulation: construction products regulations (CPR) (EU-305/2011) and type tested according to standard EN 13241-1 for industrial, commercial, garage doors and gates.
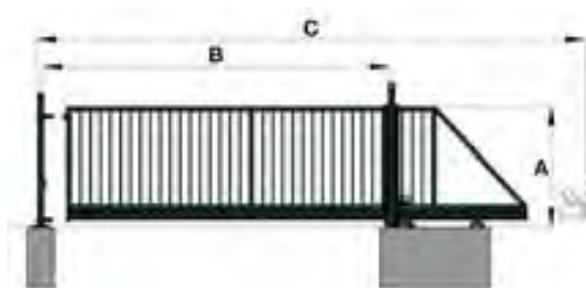
Coating technique

Egidia gates are galvanised and PES powder coated. Also available as hot-dip galvanised version.

Options

- Dental strip on top of the wing (only for height ≥ 2m)
- Locinox key-operated lock (on motorisable gates)
- Plate to fix a padlock (on manual and motorisable gates)
- Handle for motorised or motorisable gates
- Key switch and/or keypad (battery powered)

Colours

Green RAL 6005, Green RAL 6009, White RAL 9010, Grey RAL 7030, Anthracite RAL 7016 and Black RAL 9005. Other colours are available on request.

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

Egidia® SC sliding gate range						
Commercial width (mm)	**4000**	**5000**	**6000**	**7000**	**8000**	**9000**
Free passage (mm) (B)	4000	5000	6000	7000	8000	9000
Total needed space (mm) (C)	9600	11900	14200	16600	18900	21200

Nominal height (mm)	Real height from fdn. (mm) (A)	
1000	1067	Underbeam dimensions: 120 x 100mm
1200	1267	Frame: horizontal bottom: 80 x 60mm; vertical plus top: 60 x 60mm
1500	1567	Infills: tubular infills 20 x 20mm, Nylofor 3D panel infills
1700	1767	Guiding post: single, 120 x 80mm
2000	2067	End post: double, 80 x 80mm
2400	2467	

Egidia SC motorised version

Egidia SC motorised cantilever sliding gates are available in a fully automatic version.

The Fully automatic version comprises the FAAC motor and its control unit. It also comprises:

- Three pressure strips (active): contact with the pressure strips automatically reverses the movement of the wing – the wing stops after two seconds
- Photocells: the passage of the gate is monitored by one pair of photocells as it closes – activation will automatically reverse the movement of the gate
- Remote-control: the gate is provided with one two-channel remote control – additional remote-controls are possible, the system accepts up to 128 remote-controls
- Warning light: to warn that the gate is opening or closing

Motor specification

Normal or intensive use: 500 line
- Supply voltage: 230V AC
- Rating: 746 ER: 400W (intensive use)
- Gate speed: 9m/min
- Magnetic end stops

Intensive use: 1000 line
- Supply voltage: 230V AC
- Rating: 844: 660W (intensive use)
- Gate speed: 9m/min
- Magnetic end stops

Easy installation

All our Egidia gates are fully pre-wired and are ready to be quickly installed by professionals. The dental rack is installed on the underbeam. The motor is mounted on the guiding post. In the event of a power failure, the motor can be disengaged to enable manual opening.

Technical specifications for the motorisation of Egidia® SC gates

	Egidia SC 500 line	Egidia SC 1000 line
Use	Intensive	Intensive
FAAC motorisation type	746 ER 16	844
Voltage	230V	
Power	400W	660W
Speed	9m/min	
Controller reference	780D	
Number of photocells	One set	
Photocell heights (hardwired)	600mm	
Pressure strips on the guiding post	Two active	
Gate wing head pressure strip	One active	
Warning light	LED light (orange)	
Number of remote-controls supplied, two channels	1	
Number of controls available for dry contacts	2	

Egidia® SC gate mechanical specifications

Free passage (heights from 1.00 to 2.40m)	4-9m
Available versions	Manual Motorisable Motorised
Gate wing construction	
Underbeam	120 x 100 x 5mm plus 80 x 60 x 2mm
Frame	60 x 60 x 2mm
Tubular infill (standard)	20 x 20 x 1.5mm
Distance between bars	110mm
Built in lock	Only for manual gate
Optional infill	
3D Panels	Optional (max. 2.0m)
Guiding post	
Type	Single sided guiding post (120 x 80 x 3mm)
Lock post	
Type	double sided lock post (80 x 80 x 2mm)
Dental rack for motorisable and motorised versions	
Type	Module 4
Material	Galvanised steel
Pre-installed	Yes

Sliding gate motorisation overview

Motor type	Use	Maximum speed	Bekamatic SC	Robusta SC	Robusta SR	Egidia SC
100 line	Normal (up to 30 cycles/day)	9m/min			3-9m	
500 line	Intensive (up to 60 cycles/day)	9m/min	-	3-9m	3-9m	4-7m 1000 line recommended for height 2.4m 1000 line mandatory for 8 and 9m width
1000 line	Intensive (up to 60 cycles/day)	9m/min	-	3-12m	3-14m	4-9m
6000 line	Heavy duty (up to 300 cycles/day)	12m/min Variable speed	3-12m	-	-	-
10000 line	Heavy duty (up to 300 cycles/day)	18m/min Variable speed	3-12m	-	-	-

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions
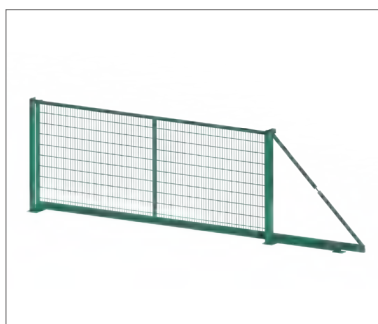
Access control

Detection systems

Mobile fencing

Egidia® SC Essential sliding gate

Egidia SC Essential sliding gates offer an excellent price/quality rate and are designed for frequent use in residential buildings and public areas.

Benefits

Wide range
Egidia SC Essential gates are available in several heights: from 0.8m to 2m and widths from 3m to 5m (in steps of 0.5m).

Price/quality
Egidia SC Essential cantilever sliding gates are designed to offer an excellent price/quality ratio.
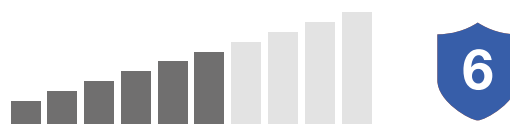
Complete system
The cantilever sliding gate can easily be used in conjunction with Egidia swing gates and the Betafence fencing system Nylofor 2DS/2D.

Product detail

Functionalities

DEMARCATION   MOTORISED

Security level
*(when compared to other **access control** options)*

6

Wing frame and infill

- Underbeam: 75 x 65mm (screwed to the wing's frame)
- Welded frame: 60 x 40mm
- Infill with Nylofor 2DS panel welded inside the frame
- Two rollersets with polyamide rollers are foreseen for each gate
- Locinox key-operated lock (standard foreseen for manual gates)
- Integrated tension system

Possible execusions

Manual gate
Our gate is designed for manual operation and is fitted with a key-operated Locinox lock.

Motorisable gate
Our gate is designed for the installation of an external motor at a later date, a dental rack is mounted on the lower beam of the frame and inspection plates are provided for the passage of wiring afterwards.

Motorised gate (fully automatic)
Due to our exclusive partnership with FAAC, we can offer you a gate that is factory-fitted with an external motor and all necessary safety and operating items. The gate is delivered fully pre-wired and ready to operate.

CE marking

Egidia SC Essential sliding gates are CE marked according to the European regulation: construction products regulations (CPR) (EU-305/2011) and type tested according to standard EN 13241:2003 + A2:2016 for industrial, commercial, garage doors and gates.

Motorised Egidia SC Essential gates

Egidia SC Essential motorised cantilever sliding gates are available in a fully automatic version. The Fully automatic version comprises the FAAC motor and its control unit. It also comprises:

- Three pressure strips (active): contact with the pressure strips automatically reverses the movement of the wing – the wing stops after two seconds.
- Photocells: the passage of the gate is monitored by one pair of photocells as it closes – activation will automatically reverse the movement of the gate
- Remote-control: the gate is provided with one two-channel remote control, additional remote-controls are possible – the system accepts up to 128 remote-controls
- Warning light: to warn that the gate is opening or closing

Motor FAAC specification

- Supply voltage: 230V AC
- Gate speed: 9m/min
- Rating: 746 C: 400W
- Magnetic end stops

Easy installation

All our Egidia SC Essential gates are fully pre-wired and are ready to be quickly installed by professionals. The dental rack is installed on the lower beam. The motor is mounted on a separated plate screwed to the guiding post. In the event of a power failure, the motor can be disengaged to enable manual opening.
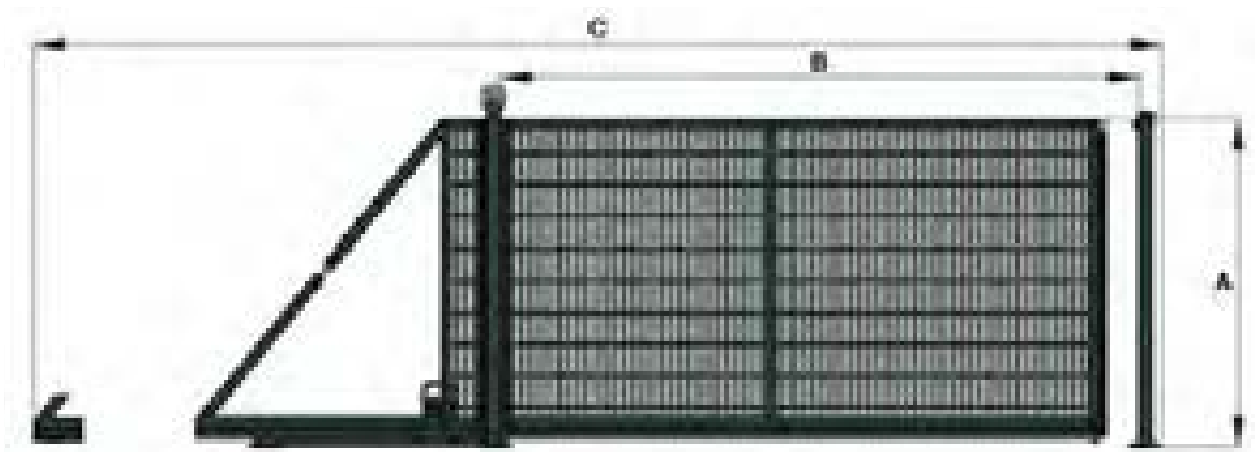
Coating technique

Egidia SC Essential gates are galvanised and PES powder coated.

Colours

Green RAL 6005 and Anthracite RAL 7016. Other colours are available on request.

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

Egidia® SC Essential sliding gate range

Commercial width (mm)		3000	3500	4000	4500	5000
Free passage (mm) (B)		3050	3550	4050	4550	4950
Total needed space (mm) (C)		7569	8569	9769	10869	11969
Nominal height (mm)	Real height from fdn. (mm) (A)					
800	876					
1000	1076					
1200	1276	Underbeam dimensions: 75 x 65mm				
1400	1476	Frame: 60 x 40mm				
1500	1576	Infills: Nylofor 2DS				
1600	1676	Single guiding post: 80 x 80mm				
1700	1776	Single reception post: 80 x 80mm				
1800	1876					
2000	2076					

Technical specifications for the motorisation of Egidia® SC Essential sliding gate

	Egidia SC 1000 line
Motor	FAAC 746 C 16
Controller board	E781
Plug-in receiver	868MHz
Nr. of remote controls	1
Photocells	XP20W
Nr. of photocells	One pair
Height of the photocells	600mm
Warning Light	FAAC – XLED 24/230V (orange)
Safety edges	Active (ASO)
Nr./ Type of safety edges on GP	Two PCs ASO model SENTIR 65ST
Safety edges on front wing	ASO model SENTIR 65ST
Transmission system	Wireless

Faldivia® trackless
speed folding gate

Faldivia®

trackless speed folding gate

The Faldivia trackless speed folding gate ensures that specific areas are closed off quickly. It is an extremely solid and rapid solution.

BETAFENCE 10 YEAR GUARANTEE **BETAFENCE 5 YEAR GUARANTEE ENHANCED** **CE**

Benefits

Fast and safe
The Faldivia speed folding gate opens and closes with a programmable speed up to 1m per second. The gates open inwards as standard. Once closed, the gate is magnetically locked, meaning that it is highly suitable for entrances with significant security requirements. The speed folding gate is fitted with cutting-edge safety technology – it stops automatically if an obstacle is in the way. The large hinges ensure durable and safe operation.

Smart construction
The powerful gate motor is installed at the top of the post. The smart controls offer numerous programming options, as well as additional access control options.

Long lifetime
The gates are made out of steel, hot-dip galvanised (in accordance with EN ISO 1461) or hot-dip galvanised and powder coated. The gate is CE certified by TÜV for both the UK and all European markets.

Plug and play
Easy to install, the gate is delivered completely pre-assembled.

Product detail

Functionalities

DISSUASION **MOTORISED**

Security level
*(when compared to other **access control** options)*
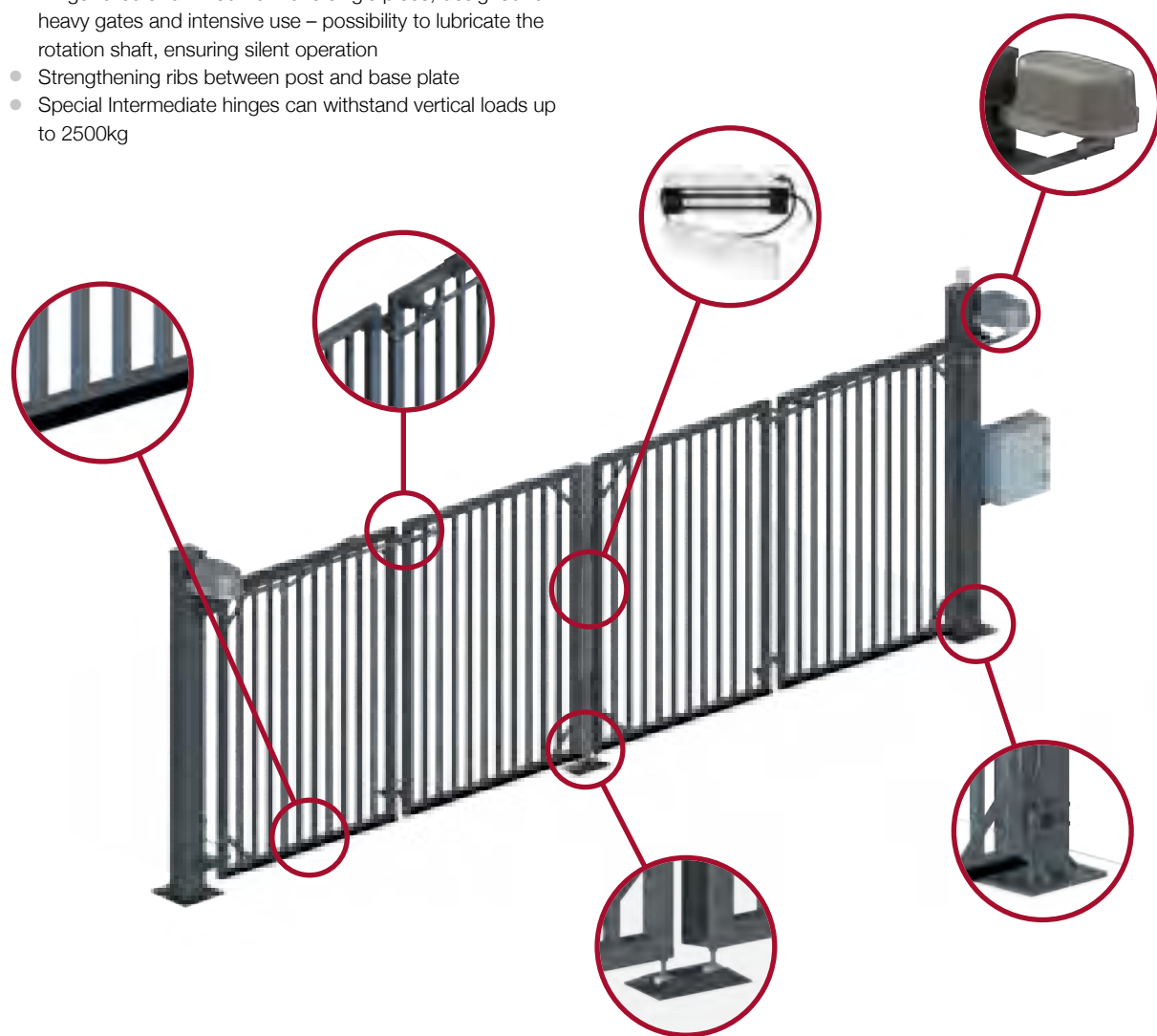

10
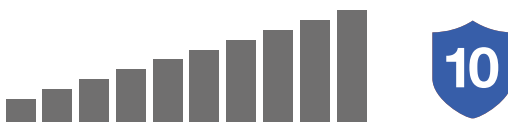
Wing frame and infill

- The gate frame is 80 x 60mm or 100 x 100mm depending on opening dimension
- Standard infill consist of square bars 40 x 40mm with a maximum distance between the bars of 110mm
- Optional infills are possible with Nylofor 2D, 2DS or Securifor panels
- Gate width up to 12m
- Height up to 4m (with 8m width) – other dimensions are available on request

Posts

- Galvanised and plastic-coated posts, section 160 x 160mm or 200 x 200mm
- The guiding arms are made from steel tubes and are attached to ball bearings.
- Massive construction, with strong anti-corrosion finish and dual ball bearings ensure hassle-free operation under heavy loads
- Hinge rolled and milled from one single piece, designed for heavy gates and intensive use – possibility to lubricate the rotation shaft, ensuring silent operation
- Strengthening ribs between post and base plate
- Special Intermediate hinges can withstand vertical loads up to 2500kg

Features

- Electrical cabinet equipped with controller and frequency converters
- Additional optional access control elements – to be connected to the controller, such as an induction loop
- Worm gear motor with hollow shaft, cast housing
- Transmission via premium oil, meaning that operation is possible at very low temperatures
- Drive power: 0.37kW
- IP 68 Electromagnetic lock with maximum pressure of 540kg on closing, also keeps the gate in closed position
- No moving mechanical parts
- Automatic gate with warning light, safety strips and photocells
- For gates > 6m, two electromagnetic locks are installed, with total max. pressure of 1080kg

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

Optional equipment

- Key switch
- Key pad
- Dental strip
- Fence connection on the posts
- Inductive loops plus loop detector
- Additional pair of photocells on separate columns
- Additional safety STOP buttons
- Additional remote controls
- Additional safety edges
- Traffic lights (red/green)
- Separate columns for access control
- GSM module for mobile phone opening
- Heating element
- Week/year clock
- LED light to illuminate the free passage
- Other options are available on request

CE marking

Standard steel gates, protected against corrosion by hot-dip galvanising in accordance with EN ISO 1461. The gate is CE certified by TÜV for both the UK and all European markets.

Coating technique

Faldivia speed folding ates are hot-dip galvanised and afterwards polyester coated with a minimum layer thickness of 60 microns. The guiding arms are galvanised and polyester coated.

Colours

All RAL colours are available on request.

Faldivia® technical specifications	
Dimensions	Height: up to 4m (with 8 m width); width: up to 12m*
Free passage	2-12m
Opening/closing speed	Programmable speed up to 1m/s
External cabling	230V AC power supply
Electromagnetic lock	Maximum pressure 540kg (1080kg) on closing
Motorisation	Daab motor Drive power: 0.37kW Frequency controller
Posts	160 x 160mm or 200 x 200mm on base plate
Frame	Depending on the dimensions of the gate 80 x 60mm or 100 x 100mm Inner section: bars with 40 x 40mm with max. gap of 110mm
Opening between gateand road surface	Minimum 125mm
Colours	Available in a choice of RAL colours
Certification	CE certified by TÜV for both the UK and all European markets
Standard safety features	Six safety strips in accordance with EN standard 13241 Two pairs of photocells One flashing light
Technical specification	PN-EN 13241-1+A2:2016 Industrial, commercial and garage doors and gates – Product standard – Part 1: products without fire resistance or smoke control characteristics. Directives: 2006/95/EC; 2004/108/EC

* Free passage

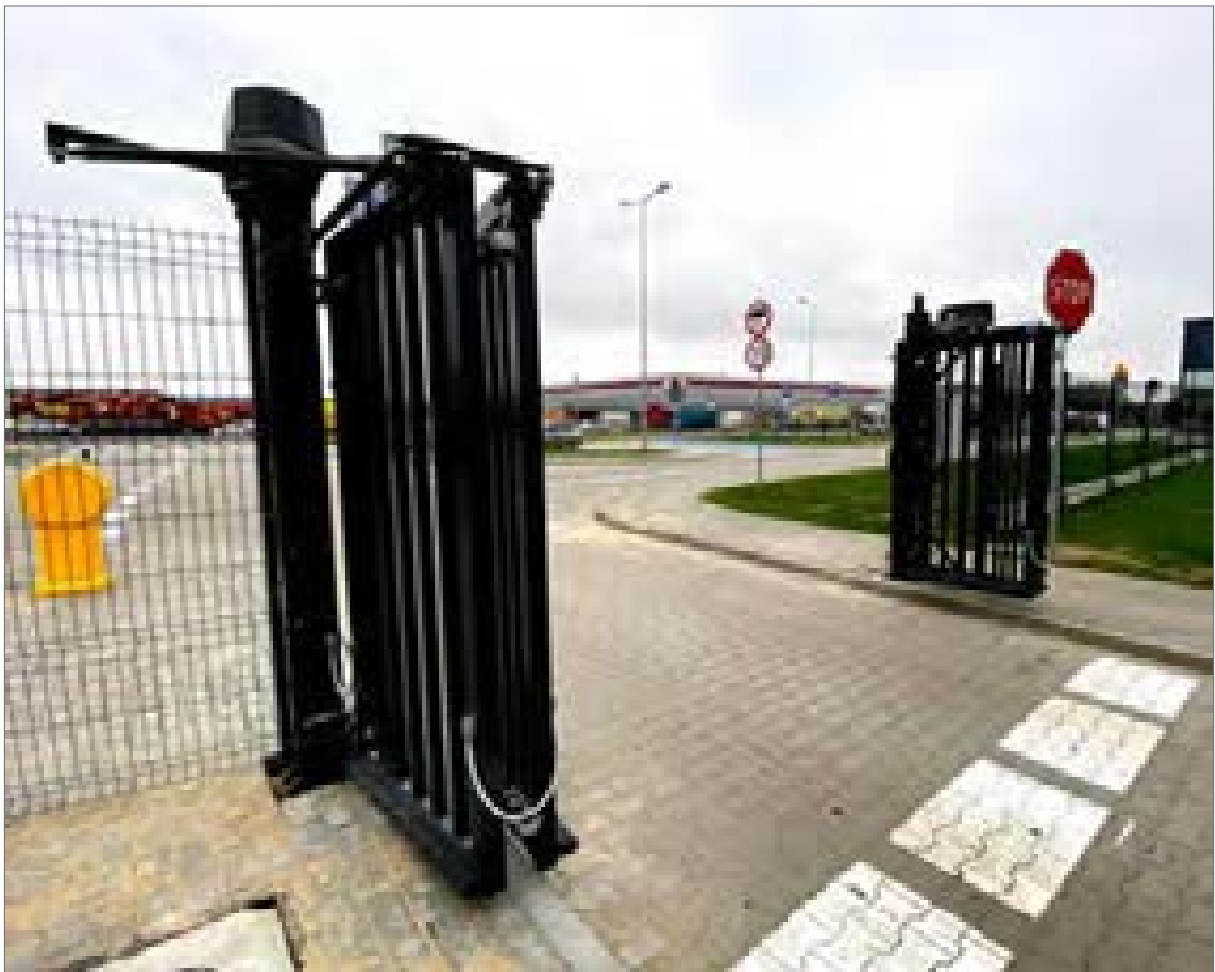| Faldivia® range			
Width* (mm)	Height (mm)		
	2000	2400	up to 4000
Single gate – 1 W (two sections)			
2000	✓	✓	✓
3000	✓	✓	✓
4000	✓	✓	✓
5000	✓	✓	
6000	✓	✓	
Double gate – 2 W (four sections)			
4000	✓	✓	✓
5000	✓	✓	✓
6000	✓	✓	✓
7000	✓	✓	✓
8000	✓	✓	✓
9000	✓	✓	
10000	✓	✓	
11000	✓	✓	
12000	✓	✓	

* Free passage

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

Turnstile BT4

Betafence turnstiles are part of our access control product range that works in perfect combination with our professional fencing systems.

Benefits

Simple and fast installation
The turnstile BT4 is composed of five separate components, which are easy to assemble. The position mounting on the floor is much easier when using the aluminum mold.

Long lifespan
The turnstile BT4 is made of highly durable weather and vandal resistant materials.

Operation and detection
Operation and detection of the turnstile BT4 is via contacts, IP (optional) or RS485 network.

Two variants
The turnstile BT4 is available with a 90º spindle for increased safety and larger passage capacity, and with a 120º spindle for a more comfortable passage.

Standard version
The standard version is available in two colours: Anthracite RAL 7016 and Grey RAL 9006 – as shown above.

Product detail

Functionalities

DISSUASION   CROWD CONTROL   MOTORISED

Security level
*(when compared to other **access control** options)*

5

Frame and spindle

The frame and spindle consist of painted aluminium profiles.

Mechanism

- The spindle revolves when pushed by a visitor
- The rotation of the column is controlled by a self-centering system, which automatically places the column in the next starting position after every cycle, this avoids intermediate positions of the spindle
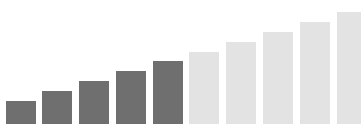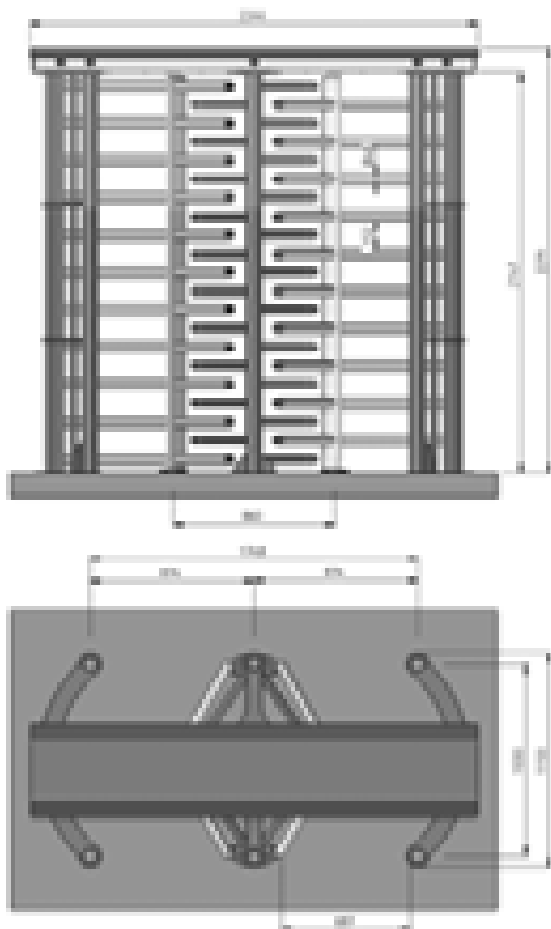- In case of power failure, a person will never be trapped inside the turnstile

Intelligent control unit

- Setup and configuration adjustable to the customer's needs
- Display for diagnose
- Various operating modes for each passage or direction: free access, controlled access (entrance or exit priority possible) and locked
- Counting pulse for every movement
- Compatible with any access control system
- Easy control and diagnostic over IP (optional) or RS485 network

Variants

Spindle of 90° or 120°.

Extensions

Integrated access control.

Maximum throughout

- 30/min for free passage
- 17/min at proximity

Options

For more options please consult our salesbook.

Power supply	Nominal current	Operating temperature
240 Vac	1.2A	-15°C to +45°C

1456 mm
2290 mm
300 mm
1030
1156 mm
1524 mm
1156 mm
1030 mm

Rotor plate

Aluminium mold

Foundation

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

Turnstile BT5

Betafence turnstiles are part of our access control product range that works in perfect combination with our professional fencing systems.

10 YEAR GUARANTEE

Benefits

Simple and fast installation
The turnstile BT5 is composed of five separate components, which are easy to assemble. Quick and correct positioning on the floor by using the aluminium mould.

Long lifespan
The turnstile BT5 is made of highly durable weather and vandal resistant materials.

Operation and detection
Operation and detection of the turnstile BT5 is via contacts, IP (optional) or RS485 network.

Two variants
The turnstile BT5 is available with a 90º spindle for increased safety and larger passage capacity, or with a 120º spindle for a more comfortable passage.

Standard version
The standard version is available in two colours: Anthracite RAL 7016 and Grey RAL 9006 – as shown above.

Product detail

Functionalities

DISSUASION   CROWD CONTROL   MOTORISED

Security level
*(when compared to other **access control** options)*

5

Frame and spindle

The frame and spindle consist of painted aluminium profiles.

Mechanism

- The spindle revolves when pushed by a visitor
- The rotation of the column is controlled by a self-centering system, which automatically places the column in the next starting position after every cycle, this avoids intermediate positions of the spindle
- In case of power failure, a person will never be trapped inside the turnstile

Intelligent control unit

- Setup and configuration adjustable to the customer's needs
- Display for diagnose
- Various operating modes for each passage or direction: free access, controlled access (entrance or exit priority possible) and locked
- Counting pulse for every movement
- Compatible with any access control system
- Easy control and diagnostic over IP (optional) or RS485 network

Variants

Spindle of 90° or 120°.

Extensions

Integrated access control.

Maximum throughout

- 30/min for free passage
- 17/min at proximity

Options

For more options please consult our salesbook.

Power supply	Nominal current	Operating temperature
240 Vac	1.2A	-15°C to +45°C

Base plate for the spindle

Aluminium mold

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing
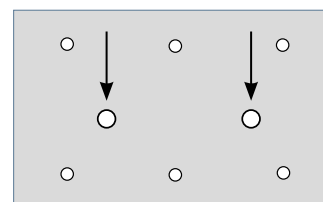
Barriers

Betafence barriers are part of our access control product range that works in perfect combination with our professional fencing systems.

Benefits

Complete assortment
Both manual barriers (up to 8m) and automated barriers (up to 14m) are available as standard. Additional accessories such as under- and overclimb protection, traffic light, loop detector, LED signage complete the range.

Reliability
The three-phase asynchronous motor and crank-connecting rod mechanism guarantee extremely reliable and maintenance-friendly operation. Via the electronic frequency control, a stepless and vibration-free movement is carried out – ensuring enhanced protection of the mechanism.

Access control
The electronic control can be programmed to suit any project or specific requirements of the customer. A wide range of options are available, including induction loop detection, photo-cells, key switch, RF-remote control, card reader, key pad and coin receiver.

Quality
Steel housing, with polyester powder coated finish. Internal mechanical elements are electro galvanised. Oval or round aluminium arm, white plastic coated with red reflexion strips and end-sealing. A simple configurable control with plenty of options.
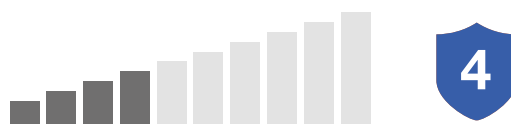
Product detail

Functionalities

DEMARCATION   MOTORISED   MANUAL

Security level
*(when compared to other **access control** options)*

4

Manual barriers
(Standard: 230 Volts monophase)

BL 10
- Length: 3-4-5-6-7-8m
- Round arm
- Option: with arm support

Automatic barriers
(Standard: 230 Volts monophase)

BL 15
- Length: 2-4m/0.5m
- Arm fixation: left or right
- oval arm
- For medium flow traffic

BL 229
- Length: 3m
- Arm fixation: left or right
- Round arm
- For medium-high flow

BL 40/41
- BL40 length: 3-8m/0.5m
- BL40 arm fixation: left or right
- BL41 length: 6-12m/0.5m
- BL41 arm fixation: central
- Round arm
- For medium and large passage width

BL 43/44
- BL43 length: 2-6m/0.5m
- BL44 length: 2-4m/0.5m
- Arm fixation: central
- Reinforced oval arm
- For medium – high security (BL44 very fast)

BL 46
- Length: 3-7m/0.5m
- Arm fixation: left or right
- Round arm
- Medium and wide passage

BL 52
- Length: 6-14m
- Arm fixation: left, right or central
- Reinforced oval arm
- For extra long passage width

BL 53
- Length: 3-4-5-6-7-8m
- Round arm
- Option: with arm support

BLG 76
- BLG76 L: 5.5m length by 1.7m height
- BLG76 H: 5m length by 2.2m height (including barbed wire)
- Arm fixation: left or right
- Prevents vehicles and passengers

BLG 77
- BLG77 H: 5.080m length by 3.356m height
- BLG77 M: 5.080m length by 2.137m height
- BLG77 L: 6.350m length by 2.137m height
- BLG77 HL: 6.350m length by 2.746m height
- Arm fixation: right
- Prevents vehicles and passengers

Options

Depending on the type, several options are possible, e.g.:

- Radio-transmitter and -receiver
- Key switch, card reader, push-button box, etc.
- Inductive loop detectors
- Signalisation leds on arm
- Tip support
- Traffic sign
- Rigid folding skirt
- Folding tip support
- Folding fence

Colours

Orange RAL 2000. Other colours are available on request.

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

Independent columns
# for access control

BOR 235:

The housing consists of sheet steel of a minimum thickness of 2mm, rustproofed by electrogalvanising and a structured coat of epoxy paint (standard colour: Orange RAL 2000). Total thickness of the protection exceeds 160µm.

The single post height is such that the equipment is accessible to a passenger vehicle driver, while the double post is high enough for a heavy goods vehicle driver to reach.

A. Housing to be bolted to the ground (attachments not supplied), providingthe space required to house the control equipment and any peripherals needed, connection terminals, etc.

B. Weather-sealed access door, lockable

C. 6mm demountable resin panel facilitating cut-outs and separating the metal part from the customer control equipment – colour: Anthracite RAL 7016

D. Canopy
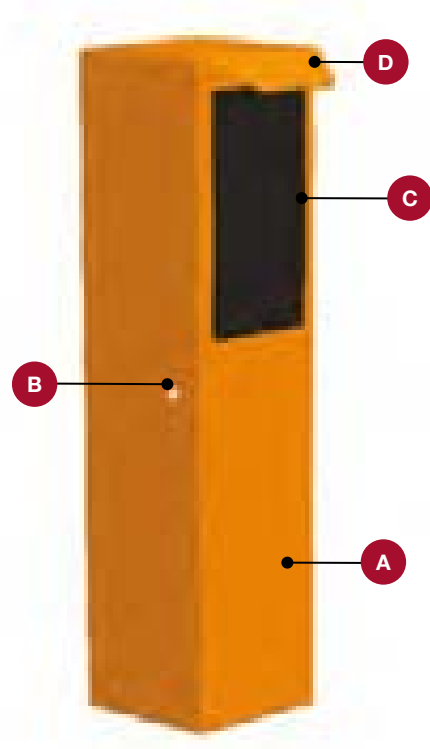
Single post

Double post

BETAFENCE
a PRÆSIDIAD brand
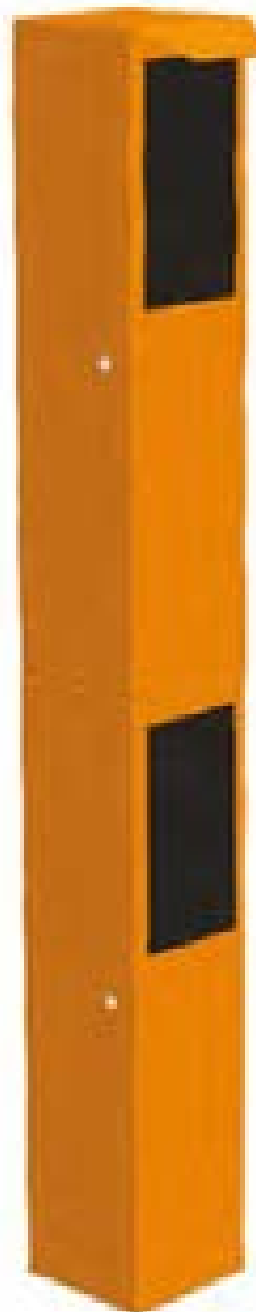
BLOKAD®
crash-rated
barrier

This crash-rated barrier is a certified system to withstand the impact of a vehicular attack on sensitive sites, borders and high risk industries.

Benefits

Certified technology
Fully certified systems, according to the American Society for Testing and Materials (ASTM 2656) to fit your desired level of security.
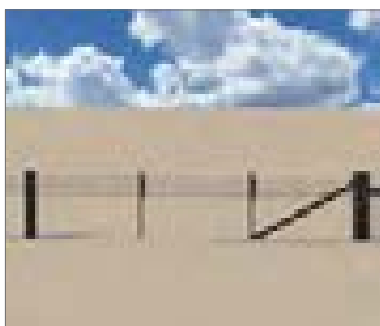
Cost-effective
Specifically designed for it's arresting capabilities and maximum security while also offering ease of installation and a cost effective solution for the protection of high value assets.

Stopping power
Different configurations of the BLOKAD crash-rated system are available allowing for a solution that fits your security needs at all times.

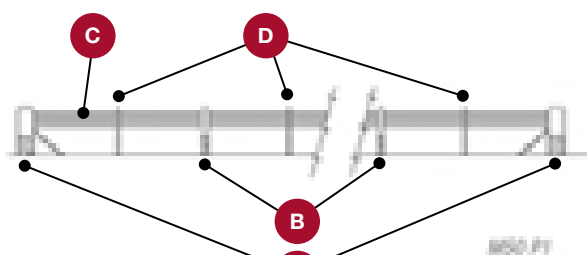## Product detail

Functionalities

DISSUASION   ANTI-RAM

Security level
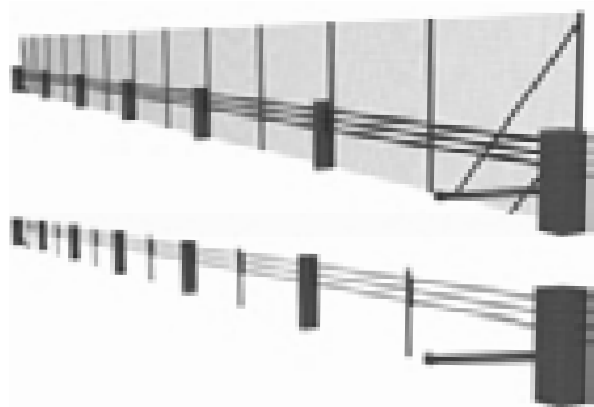*(when compared to other **access control** options)*

10

Simple three-cable design

A. Terminal post
B. Line post
C. Three cables
D. Intermediate line or fence post

Variants

The anti-ram three-cable barrier system can be integrated into all types of fencing systems, combining an aesthetically attractive look with an immense anti-ram force protection.
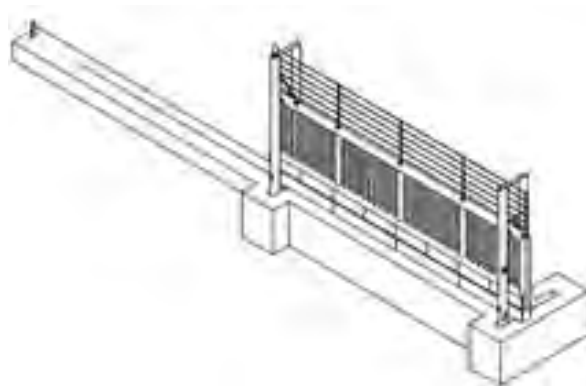

There are also two types of installation for the posts: a standard installation and a shallow-mount installation.

Crash test

Full system

In line with the anti-ram performance of the fence, a corresponding crash-tested and certified sliding gate ensures the same anti-terrorist force protection at the access points of the perimeter.

Coating technique

Galvanised and optionally coated for long life protection.

Crash-tested and certified anti-ram performance

In order to ensure proper performance, each type of anti-ram barrier has an authentic crash test certificate mentioning the impact conditions and penetration rate of the applicable rating system (ASTM F2656).

American society for testing and materials (ASTM F2656)*			
Betafence anti-ram type	**Test vehicle weight (kg)**	**Normal impact speed (km/h)**	**Penetration rate (m)**
M50 P1/P2/P3	6800	80	P1 <= 1 P2 <= 7 P3 <= 30
M40 P1/P2/P3	6800	64	P1 <= 1 P2 <= 7 P3 <= 30
M30 P1/P2/P3	6800	50	P1 <= 1 P2 <= 7 P3 <= 30

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

BLOKAD®
crash-rated barrier shallow-mount

This crash-rated barrier is a certified system to withstand the impact of a vehicular attack on sensitive sites, borders and high risk industries.

Benefits

Certified technology
Fully certified systems, according to the American Society for Testing and Materials (ASTM 2656) to fit your desired level of security.

Cost-effective
Specifically designed for it's arresting capabilities and maximum security while also offering ease of installation and a cost effective solution for the protection of high value assets.

Stopping power
Different configurations of the BLOKAD crash-rated system are available allowing for a solution that fits your security needs at all times.

Tailored installation
Our crash-rated shallow-mount fence adapts seamlessly to installation constraints, featuring shorter post embedding without compromising resistance strength.
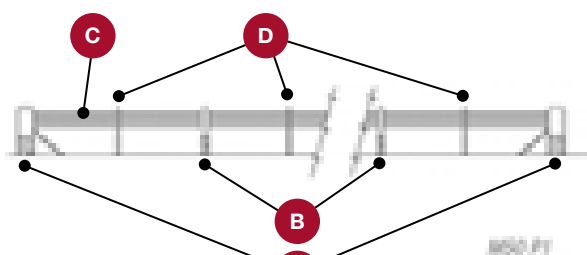
Product detail

Functionalities

DISSUASION   ANTI-RAM

Security level
*(when compared to other **access control** options)*
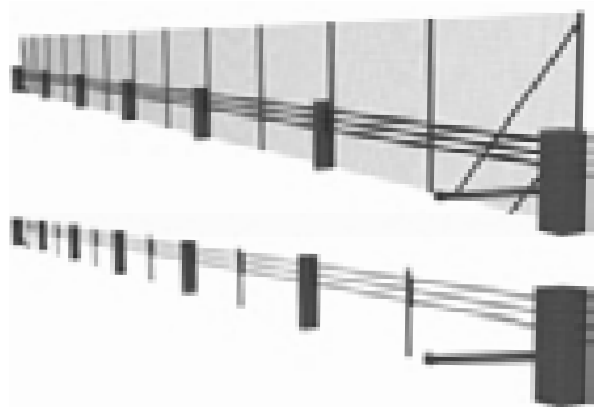

10

Simple three-cable design

A. Terminal post
B. Line post
C. Three cables
D. Intermediate line or fence post

Variants

The anti-ram three-cable barrier system can be integrated into all types of fencing systems, combining an aesthetically attractive look with an immense anti-ram force protection.
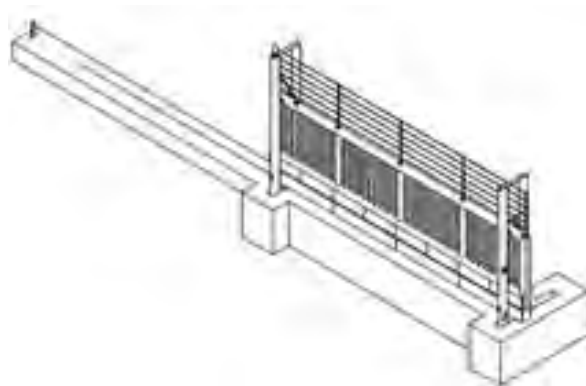

There are also two types of installation for the posts: a standard installation and a shallow-mount installation.

Crash test

Full system

In line with the anti-ram performance of the fence, a corresponding crash-tested and certified sliding gate ensures the same anti-terrorist force protection at the access points of the perimeter.

Coating technique

Hot-dip galvanised and optionally coated for long life protection.

Crash-tested and certified anti-ram performance

In order to ensure proper performance, each type of anti-ram barrier has an authentic crash test certificate mentioning the impact conditions and penetration rate of the applicable rating system (ASTM F2656).

American society for testing and materials (ASTM F2656)*			
Betafence anti-ram type	Test vehicle weight (kg)	Normal impact speed (km/h)	Penetration rate (m)
M50 P1/P2/P3	6800	80	P1 <= 1 P2 <= 7 P3 <= 30
M40 P1/P2/P3	6800	64	P1 <= 1 P2 <= 7 P3 <= 30
M30 P1/P2/P3	6800	50	P1 <= 1 P2 <= 7 P3 <= 30

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

BETAFENCE
a PRÆSIDIAD brand

BLOKAD®
crash-rated
sliding
gate (7M)

A sliding gate to prevent the intrusion of vehicular attacks on sensitive sites, at borders and in high risk security environments.

Benefits

Unparalleled security
The Betafence BLOKAD sliding gate is rigorously tested and certified to the PAS 68 standard, ensuring superior crash resistance against hostile vehicle mitigation threats. Its proven impact resistance guarantees maximum safety for high-risk areas.

Engineered for strength
Built with robust materials and cutting-edge design, the BLOKAD gate is designed to stop vehicles in their attacks, offering unmatched durability and reliability. It's an ideal solution for critical infrastructure and sensitive sites.

Efficient operation
Featuring smooth, precision-engineered sliding mechanisms, the gate combines strength with ease of use. Its optional reliable motorisation and user-friendly control systems ensure seamless operation every time.

Customisable design
The BLOKAD gate is available in a range of sizes and finishes to match the aesthetic and security requirements of any site. Tailor it to meet specific operational or environmental needs without compromising its certified crash rating.

Proven performance
Independently tested and certified against the stringent PAS 68 standard, this sliding gate has demonstrated its ability to withstand high-energy impacts. Trust in a product that delivers peace of mind where it matters most.
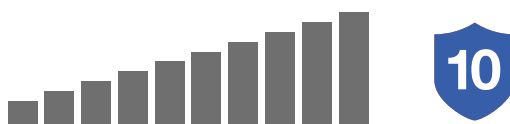
Product detail
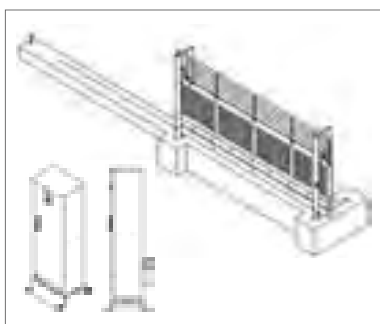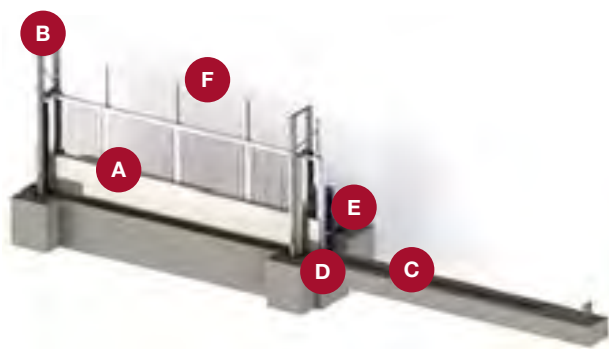

Functionalities

DISSUASION   ANTI-RAM

Security level
*(when compared to other **access control** options)*

10

Components

A. Wing with integrated wheels
B. Gate posts (guiding post and lock post)
C. Rail
D. A chain holder for the movement
E. Optional motor (motor and controller built in separate cabinet)
F. Barbed wire and/or razor tape

Motor and gear box specifications

- The motor supplied pre-mounted in the cabinet is suited to be used in high temperature environments
- The rated power of the motor will be 1.5kW three phase 400V 50Hz
- The motor will be connected directly to the gear box
- The gear box is a heavy duty 90° gear box with a mechanical friction clutch
- Eliminating the friction with a special bolt will allow the gate to be moved manually; this is in the case of emergency or power shortage

Power supply	400V a.c. 50Hz
Motor voltage	400V a.c.
Max current consumption (excl. equipment)	5A
Gear wheel	Z17m6, Ø114mm
Speed	9m/min
Torque	300Nm
Max drive	60m
Duty cycle in S3 mode	80%
Temperature range	-20°C to +50°C
Protection class	IP44

Motorised execution

Safety equipment
The safety equipment is wired up to the controller located inside the cabinet:

- Safety edges on every post and each side of the leaf
- Two sets of photocells
- One key switch with O-S-C function (open-stop-close)
- One key switch with O-C-ES function (open-close-emergency stop push mushroom button) installed on the cabinet

The wing

The welded gate frame consists of a rectangular horizontal tube and vertical rectangular tubes. The infill consists of welded vertical rectangular tubes with a max. distance between the bars of 120mm. Optional bent arms are added to the top of the frame to attach barbed wire or razor tape.

Metallic and polyester coating

Wing and posts are made out of steel beams of different dimensions which are hot-dip galvanised and optionally polyester coated afterwards.

Tested and approved solution

The gate is full-scale crash-tested according to PAS 68 standard and achieved a rating of: PAS 68:2010 V/7500(N3)/80/90:0.0/2.6. Crash report available on request.

Full system available

In line with the anti-ram performance of the sliding gate, a corresponding BLOKAD crash-rated barrier – tested and certified according the ASTM standards – ensures the same protection level around your site. Additionally a BLOKAD tested and crash-rated wedge is also available to complement your desired security needs.

BLOKAD® crash-rated sliding gate (7M) technical specifications	
Free opening	7000mm
Under beam	Welded construction (450 x 250mm)
Outer frame	Rectangular profile 120 x 80mm
Inner support frame	80 x 3mm
Infill tubes	Rectangular profile 30 x 20mm; distance between infill tubes: max. 120mm
Posts	Rectangular tubes (200mm) equipped with a catcher and base to guide and support the wing when the gate is closed

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

BLOKAD® static bollards

PAS 68 crash-tested hostile vehicle mitigation

The BLOKAD static bollard range provides enhanced pedestrian and asset protection against vehicular attacks.

Benefits

Reliable protection
BLOKAD static bollards protect pedestrians, buildings and perimeters against vehicle-borne attacks, even when only one bollard is hit.

PAS 68 crashtested hostile vehicle mitigation
Independently tested to PAS 68 criteria all models completely immobilised the vehicle, removing the possibility of a second ram attempt.

Three crash rating options
Three BLOKAD static bollard model options are available depending on the protection level required.

Flexible spacing
All three BLOKAD static bollard crash ratings were obtained on a single bollard hit. This allows for flexibility in spacing bollards in the field.
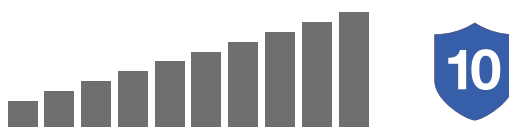
Guarantee
Corrosion guarantee varies depending on installation location and applied PES coating.
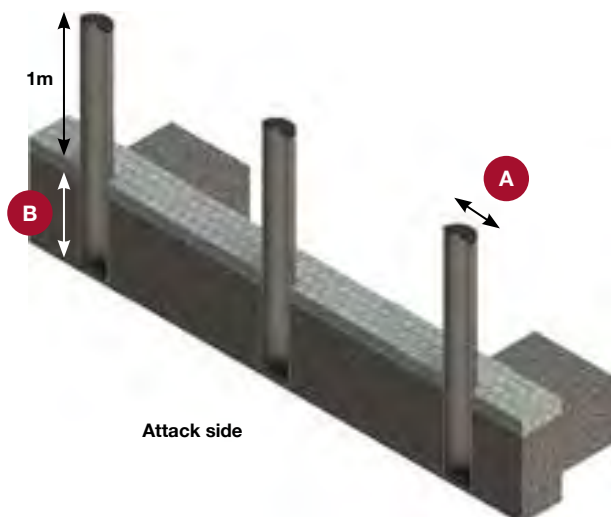
Functionalities

DISSUASION | ANTI-RAM

Security level
*(when compared to other **access control** options)*

10

Cross section

1m

B

A

Attack side

Coating technique

Hot-dip galvanised complies with BS EN ISO 1461:2009. Average galvanising coating thickness of 610g/m.

Colours

Anthracite RAL 7016. Other colours are available on request.

BLOKAD® static bollards range				
Type	**Height (m)**	**Diameter - A (mm)**	**Foundation depth - B (mm)**	**PAS 68 classification**
BLOKAD Static 30	1	219	600	2007 V/7500(N3)/48/90:0.0/0.0
BLOKAD Static 40	1	273	750	2007 V/7500(N3)/64/90:3.3/0/0
BLOKAD Static 50	1	273	750	2007 V/7500(N3)/80/90:10.6/11.1

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

BETAFENCE
a PRÆSIDIAD brand

BLOKAD® wedge

Prevents the intrusion of vehicular attacks on sensitive sites and high-risk industries.

Benefits

Unmatched security performance
The Betafence BLOKAD PAS 68 crash-rated wedge offers exceptional protection, stopping vehicles up to 7.5 tons at 80km/h. Certified to PAS 68 standards, it's the ultimate barrier against unauthorised vehicular access.

Shallow foundation design
Engineered for versatile installation, the BLOKAD crash-rated wedge requires minimal excavation with a shallow foundation of only 800mm. Ideal for urban environments, heritage sites, or areas with underground utilities.

Easy deployment and installation
Simplify your security setup with a design that allows for quick installation. Minimised downtime ensures your site is secured faster than ever.

Robust durability
Constructed with high-grade materials, the BLOKAD wedge is built to withstand harsh weather and environmental conditions. resistant to high-impact collisions, this product ensures reliable performance and long-term cost efficiency.

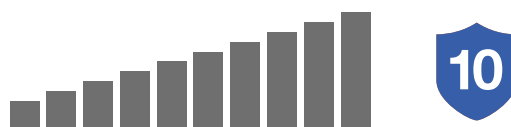**Customisable to your needs**
Available in various finishes and widths, the BLOKAD wedge seamlessly integrates with your site's aesthetic and security requirements.
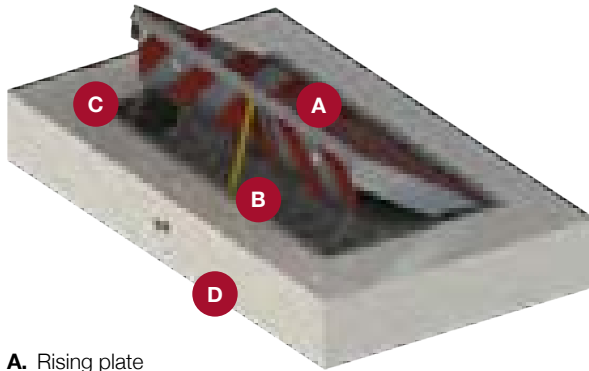
Functionalities

DISSUASION   **ANTI-RAM**

Security level
*(when compared to other **access control** options)*

10

Components

A. Rising plate
B. Linkages
C. Main frame
D. 800mm foundations

Hydraulic and electrical system

The crash-rated wedge unit includes a hydraulic cabinet to accommodate control elements used to securely move and operate the system.

Electrical cable requirements for operation up to 100m from main power distribution:

- Power supply (configurable)
- Controls cable (main cable from guardhouse if applicable)
- Controls cable locally (cable from cabinet to post for optional photocells)
- In conduits (note: hoses and cables are to be buried underground in conduits; hoses from HPU to wedge, hose length not to exceed 20m)

Control elements

Control and safety features for protection from damage to vehicles permitted to pass through barrier.

Included in the cabinet:

- Push buttons for raising/lowering of barrier
- Emergency power switch
- Safety loop and photocell input to control the system (optional devices)

Technical properties

The plate
Single structural steel plate, to maintain strength and crash resistance. I-beams welded to bottom side for added rigidity.

The main frame
I-beams and U-beams welded together along with floor plate creates a strong frame for embedding into concrete base. Parts made from structural steel.

Linkages
Integral parts of the system that hold plate in place after impacts. Made from structural steel plates 15mm and 30mm thick. Linkages connected with stainless steel pins.

Foundations
CRW system is embedded in concrete foundations, reinforced with bended rebar structures. Concrete must be C25/30, poured in two phases.
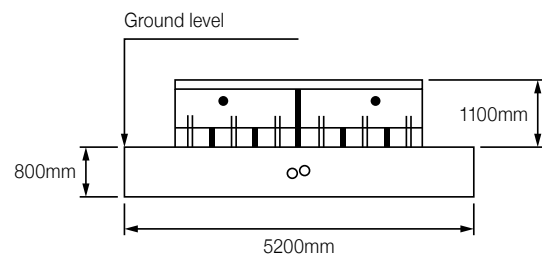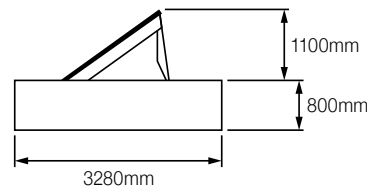
Metallic coating

All crash-rated wedge parts (except aluminium cover plates and stainless steel pins) are hot-dip galvanised in accordance with ISO 1461. Weight of zinc is dependent on steel thickness, also in accordance with ISO 1461.

Tested and approved solution

CRW barriers are tested in an independent testing facility according to the PAS 68 standard and have achieved a certificate of PAS68:2010 V/7500(N3)/80/90:0.0/12.0.

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

Smart Fence®

Efficient and cost-effective solution for housing security system cables.

Benefits

SmartFence is designed to house power, data, and detection cables in one easily accessible conduit. The fence-mounted system is a cost-effective solution that reduces civil works, simplifies installation, retrofitting, and integration. Durable steel and aluminium protect cables against tampering and the elements. Tests show that detection accuracy and functionality remain unaffected with no increase in nuisance alarms.

- Reduced civil works requirement
- Cost-effective laying of integrated security system cables
- Single conduit housing power, data, and detection
- Power cable in a separate chamber
- Quick and easy installation and retrofitting
- Continuous and stable cable protection
- 10-year guarantee

Product detail

Functionalities

DISSUASION

DETECTION

Features

Underground ducts and drawing of cables through conduits and posts is not necessary with SmartFence. All cables required for an integrated security system can be mounted on the fence. A removable cover allows for easy laying, adding, and replacement of cables. This significantly reduces installation and maintenance costs.

A. SmartFence conduit cover
B. Detection cable
C. Data cable
D. Power cable in a separate chamber within conduit
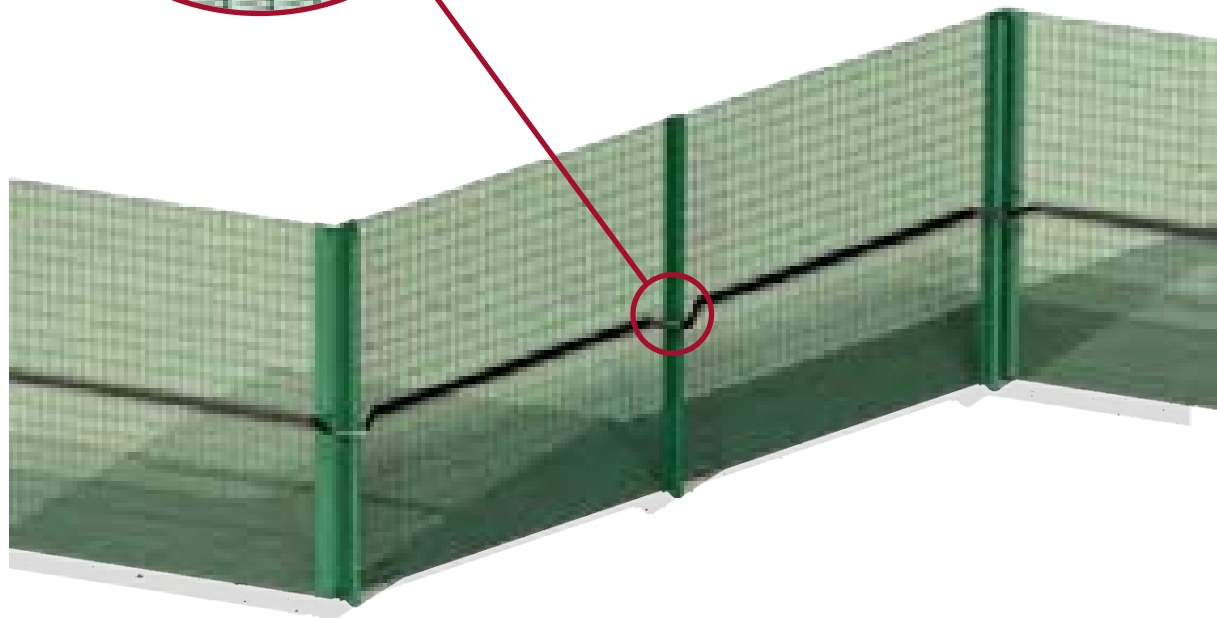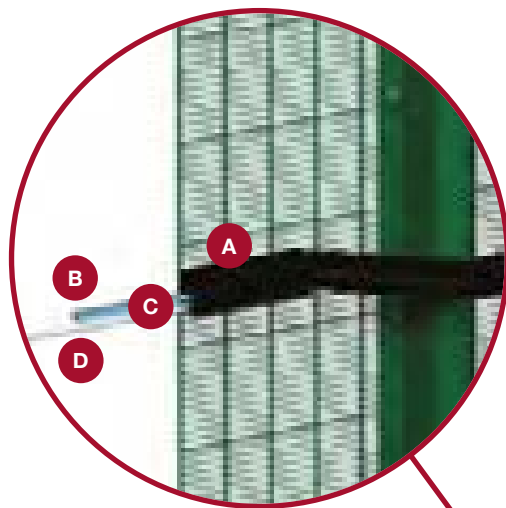
Compatibility

Fence panels:

- Securifor
- Nylofor

Posts:

- Bekafix
- Bekafix Ultra
- Bekasecure
- Nylofor Twilfix
- Lox posts
- Securifor

Ease and flexibility

SmartFence allows for easy stepping and sloping, adapts to any type of corner, and can be installed anywhere on the fence. It is easy to mount and fix to the panel without the need for specialised tools. Two mounting bracket sizes are available to fit different posts.

Coating technique

SmartFence is PES coated.

Colours

Black RAL 9005. Other colours are available on request. Minimum order quantities apply.

Panels

Rolls: welded, knotted and woven wire mesh

Posts

Privacy solutions

Access control

Detection systems

Mobile fencing

PRÆSIDIAD   BETAFENCE   HESCO

Proud to be a **PRÆSIDIAD** brand, **Betafence** is part of a global network, working alongside **Hesco** as a leader in perimeter security systems and solutions. For more information please visit praesidiad.com.

betafence.com