



# Robusta<sup>®</sup> 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 R2000 HD (Heavy Duty), the size of the under-beam is determined by the required free passage.

### Large range

Manual, motorisable or full automatic 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 from FAAC and all the necessary safety equipment.

### Plug and play

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



## Product detail



## Functionalities



Follow QR code to find the drawing and foundation plan of this sliding gate

## Security level

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



## 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 independently tested according to EN 13241-1 specifications for industrial and commercial applications.

## Options

- Double guiding posts for R2000
- Dental strip
- Fence connections
- Extension arms
- Non standard sizes
- Various access control options

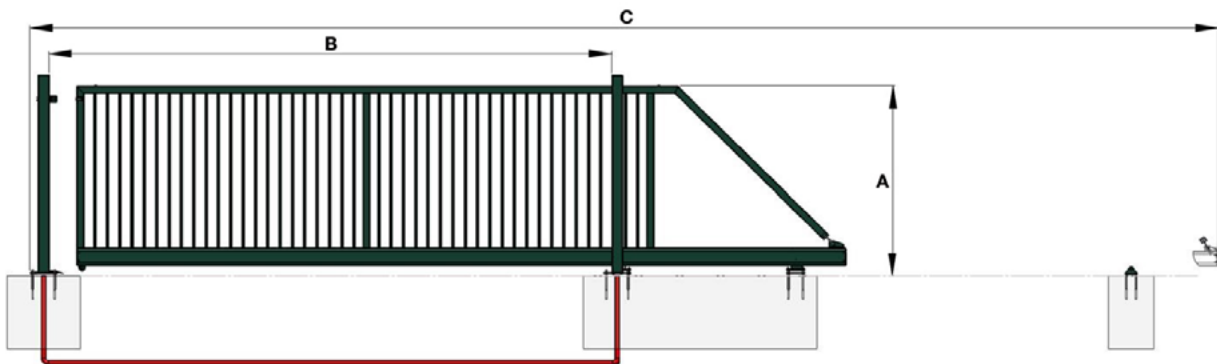
## Coating technique



Robusta SC sliding gates are protected by the best coating process currently available: galvanising inside and out (minimum thickness 275g/m<sup>2</sup>, two sides combined), followed by a (double) polyester coating (minimum thickness of the layer: 100 microns). Double Coating for extreme environments is possible on request.

## Colours

Green RAL 6005, White RAL 9010, 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	9127	10171	11386	11926	
Free passage (mm) (B) automatic	3187	4132	5077	6157	7237	8047	9127	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)	<b>R 2000</b> Underbeam dimensions: 200 x 160mm Frame: 80 x 60mm Infills: bars 25 x 25 x 1.50mm (square) (max. distance between the bars is 110mm) Optional infill: Nylofor® and Securifor® panels Guiding post: 120 x 120 mm					<b>R 2000 HD</b> Dim. underbeam: 200 x 160 mm + Reinforcement profile 100 x 100 x 3 Frame: 100 x 100mm; Infills: bars 30 x 30 x 1.50mm (square) (max. distance between bars is 105mm) Optional infill: Nylofor® and Securifor® Flat / 2D / 4D / Super 6 panels Guiding post: double sided, 120 x 120 mm				
1000	1072	<i>For automatic gates: guiding post is single-sided &amp; optionally double sided</i>					<i>Guiding post for Robusta SC R2000 HD automatic is double sided</i>				
1200	1272										
1500	1572										
1700	1772										
2000	2072										
2400	2472										
3000	3072	<b>ALWAYS R 2000 HD</b> (on request)									
4000	4072										

## Possible executions

### **R2000/R2800 manual (manual line)**

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. This means that there are foreseen inspection holes for the easier passage of cables and that a dental rack is pre-mounted on 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 motorisation 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 underbeam configurations are used depending on the gate length and model: a standard version and an HD version, both with a 200 × 160 mm section, the HD version being equipped with an additional bottom reinforcement profile welded on top of the underbeam reinforcement profile 100 × 100 × 3 mm
- 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.

## Motorised version and equipment

Robusta motorised SC sliding gates are Fully Automatic.

**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 C: 400W (normal use – 500 line)
- 844 C: 660W (intensive use – 1000 line)
- Gate speed: 9m/min
- Magnetic end stops

## Easy installation

All our Robusta SC gates are fully pre-wired and ready to be quickly installed by professionals. The motor is pre-mounted on the base plate of the guiding post & all safety devices & access control is already connected to the motor.

In the event of a power failure, the motor can be disengaged to enable manual opening.

## Robusta® SC sliding gate technical specifications

Type	R2000	R2000 HD
Free passage (heights from 1.00 to 2.40 m)	3-9 m	10-12 m
Available versions	Manual Motorisable Motorised (full automatic)	
<b>Gate wing construction</b>		
Underbeam	200 x 160 x 5 mm	Dim. underbeam: 200 x 160 x 5 mm + Reinforcement profile 100x100 x 3
Frame	80 x 60 x 3 mm	100 x 100 x 3 mm
Tubular infill (standard)	25 x 25 x 1.5 mm	30 x 30 x 1.5 mm
Distance between bars	110 mm	105 mm
Locinox key lock	Standard foreseen for manual gate & optional for motorisable gate	
<b>Optional infill</b>		
Nylofor panels or SEC flat	Optional	
<b>Guiding post</b>		
<b>Manual and motorisable versions</b>		
Type	Single guiding post	Double guiding post
Dimensions	120 x 120 x 3 mm	120 x 120 x 3 mm
Double sided guiding post	optional is only for R2000 & standard for R2000 HD	
<b>Guiding post</b>		
<b>Motorised version</b>		
Type	Single post	Single post
Dimensions	120 x 120 x 3 mm	120 x 120 x 3 mm
<b>Lock post</b>		
<b>Manual version</b>		
Type	Post in line	Post in line
Dimensions	120 x 120 x 3 mm	120 x 120 x 3 mm
<b>Lock post</b>		
<b>Motorisable and motorised versions</b>		
Type	Double Guiding Post	
Dimensions	120 x 120 x 3 mm	120 x 120 x 3 mm
<b>Lock post</b>		
<b>Motorisable and motorised versions</b>		
Module	Module 4	
Material	Steel dental rack	
Pre-installed	Yes	

## Technical specifications for the motorisation of Robusta® SC sliding gate (746 C = 500 line/844 C = 1000 line)

	R2000	R2000 HD
Use	Normal (1)	Intensive
FAAC motorisation type	746 C	844* C
Controller reference	E 871	
Number of photocells	Two sets	
Photocell heights (standard wired - optional wireless)	180 and 900 mm	
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 (868 Mhz) supplied, two channels	2	
Number of controls available for dry contacts	2	

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

\* Motorisation 844 C is also available as an option for R2000

**Europe:** Blokkestraat 34b,  
B-8550 Zwevegem  
Tel: B: +32 56 73 46 46

**USA:** 3309 SW Interstate 45,  
Ennis, TX 75119  
Tel: +1 972 878 7000

**Middle East:** P.O. Box 293517 DAFZA,  
Building E 5, Block A 8th Floor, Office 802  
Tel: +971 04 6091122

**Africa:** B10, Bergriver Business Park,  
Paarl, 7646  
Tel: +27 021 868 7300

Betafence is the world market leader in fencing solutions, access control and detection for perimeter protection. All Betafence companies and product names are trademarks owned by PRÆSIDIAD Group Limited. Modification in products and assortment are subject to change without prior notice.

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**  
Securing What Matters

betafence.com