



Robusta® SC sliding gates

Access control

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

Product detail



BENEFITS

Robust construction

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

Large execution range

Manual, motorizable or motorized versions are available (manual/500/1000 line). Various infills are possible. The gates can be perfectly combined with Robusta swing gates.

Proven reliability

The motorized 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.

Security level



Applications



Functionalities

Possible executions

- Manual
- Motorizable: including inspection holes + dental rack
- Motorized: deadman key or automatic (including remote control and all necessary safety items)

Options

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

Coating technique

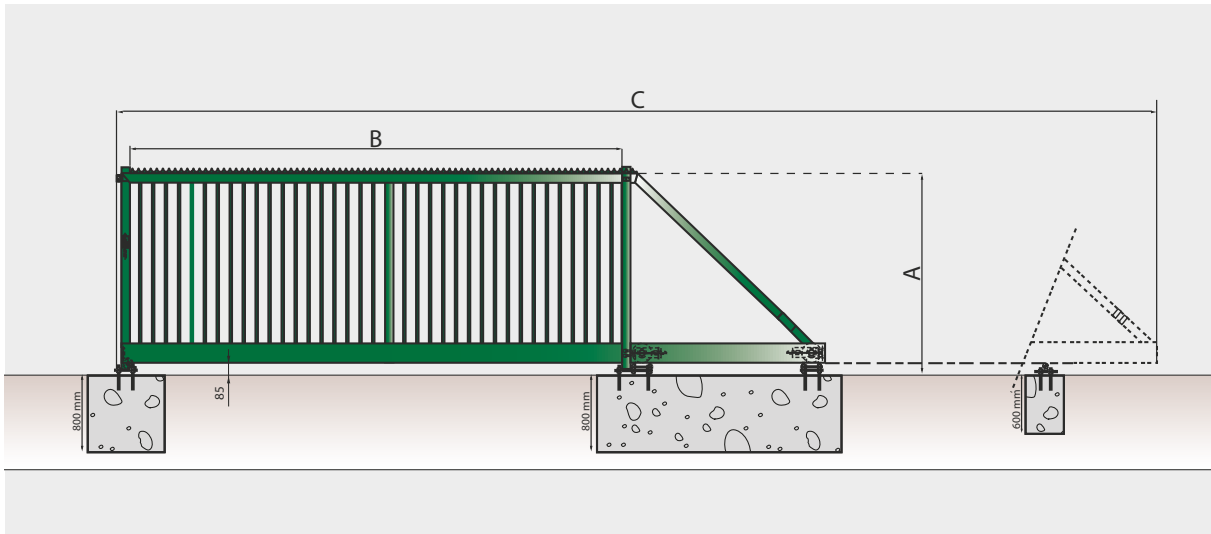
Robusta gates are galvanised in- and outside according to EN10346 (Z275) and polyester coated (min. 100 micron).

Colours

Standard colours are RAL 6005, RAL 6009, RAL 9010, RAL 7030, RAL 7016 and RAL 9005. Other RAL colours available on request

CE Marked

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.



ASSORTMENT TABLE & TECHNICAL CHARACTERISTICS

Commercial width	3000 mm	4000 mm	5000 mm	6000 mm	7000 mm	8000 mm	9000 mm	10000 mm	11000 mm	12000 mm		
Free passage (B)	2916	3909	4806	5921	6991	7821	8821	9712	11002	11502		
Total needed space (C)	7866	10127	12016	14361	16926	19046	21721	23712	26372	27102		
Nominal height mm	Real height from foundation mm (A)	R 2000 Dim. underbeam: 200 x 160 mm Frame: 80 x 60 mm Infills: bars 25 x 25 x 1,50 mm (square) (max distance between the bars is 110mm) Optional infill : Nylofor & Securifor (flat) panels Guiding post: 120 x 80 x 3 mm 120*120 (for height >=2m and or width >=8m) <i>For automatic gates : guiding post is always single sided.</i>					R 2800 Dim. underbeam: 280 x 200 mm Frame: H: 100 x 100 mm - V: 100 x 80 mm Infills: bars 30 x 30 x 1,50 mm (square) (max distance between bars is 105 mm) Optional infill : Nylofor & Securifor (flat) panels Guiding post: double, 120 x 80 x 3 mm <i>For automatic gates : guiding post is always single sided.</i>					
	1000	1072										
	1200	1272										
	1500	1572										
	1700	1772										
	2000	2072										
	2400	2472										

A - height from foundation

B - opening with EP

C - needed space EP



MECHANICAL SPECIFICATIONS OF ROBUSTA SC GATES

Type	R2000	R2800
Free passage Heights from 1,00 to 2,40 metres	3 to 9 metres	8 to 12 metres
Available versions	manual motorisable motorised (dead man key + full automatic)	
Gate wing construction		
Underbeam	200 x 160 x 5 mm	280 x 200 x 5 mm
Frame	80 x 60 x 3 mm	100 x 100 x 3 mm: horizontal 100 x 80 x 3 mm: vertical
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	only for the manual gate	
Optional infill		
Nylofor panels	optional	
Guiding post		
Type	single post bridge	double post bridge
Dimensions if height is less than 2 metres	120 x 80 x 3 mm	120 x 80 x 3 mm
Dimensions if height equal to or greater than 2 metres	120 x 120 x 3 mm (width >= 8 metres)	-
Inspection latch	motorisable version only	
Double sided guiding post	optional	standard
Guiding post		
Type	single post	single post
Dimensions	120 x 80 x 3 mm 120 x 120 x 3 mm (for height >= 2 metres and or width >= 8 metres)	200 x 100 x 4 mm
Lock post		
Type	manual version	
Type	post in line	post in line
Dimensions	120 x 120 x 3 mm	120 x 120 x 3 mm
Lock post		
Type	motorisable and motorised versions	
Type	double post bridge	
Dimensions	120 x 80 x 3 mm	120 x 80 x 3 mm 120 x 120 x 3 mm
Inspection latch	on motorisable version only	
Dental rack on motorisable versions only		
Module	module 4	
Material	Steel-reinforced PA6	
Pre-installed	yes	

TECHNICAL SPECIFICATIONS FOR THE MOTORISATION OF ROBUSTA SC SLIDING GATES 746 ER = 500 LINE / 844 = 1000 LINE

Use	R2000		R2800
	Normal ⁽¹⁾	Intensive	Intensive
FAAC motorisation type	746	844	844
Controller reference	780D		
Number of photocells	2 sets		
Photocell heights (hardwired)	180 and 900 mm		
Pressure strips	Active A50		
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, 2 channels	2		
Number of controls available for dry contacts	2		

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

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 previous page for further details.

Our cantilever gates are available in 4 different versions

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. A gear rack is mounted on the beam, only at the R2000 beam, and holes are provided for the passage of wiring.

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 motorisation for intensive usage (1000 line) (the correct type should be determined by the amount of opening cycles / day)

Robusta SC sliding gates

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:

- **3 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 2-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.

Gate wing

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

Coating

Robusta SC sliding gates are protected by the best coating process currently available: galvanizing inside and out (min. thickness 275 g/m², 2 sides combined), followed by a polyester coating (minimum thickness of the layer : 100 microns).

Standard colours

Green RAL 6005, green RAL 6009, white RAL 9010, grey RAL 7030, grey RAL 7016, blue RAL 5010, black RAL 9005.

Other colours: on request.

CE marking

Robusta gates carry the C.E. 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.

Motor specification (normal or intensive use)

Supply voltage: 230 V AC

Rating:

- 746: 300 W (normal use - 500 line)
- 844: 600 W (intensive use - 1000 line)

Gate speed: 9 metres/min

Magnetic end stops

Easy installation

All our Robusta gates are fully pre-wired and ready to be quickly installed by professionals. The gear rack is pre-installed on the R2000 underbeam. 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.

