

MOTORISED SWING GATES

HIGHLIGHTS

- Integrated system
- High-quality materials and accessories
- Reliable operation
- Access control

Areas of application

Prison facilities · Train station · Trade fairs & exhibitions · Hospitals · Colleges & schools · Gardens & parks · Port areas · Sports events · Airports · Warehouses & factories · Power plants · Construction & civil works

AUTOMATION FOR SWING GATES

- Rivisa offers a complete range of motorised swing gates for both **residential and industrial use.**
- Available with different motor options, each model has been designed in a modern style that combines functionality and aesthetics. Their versatility allows them to suit both gates with a strong visual presence and those requiring a more discreet integration.

RESIDENTIAL / INDUSTRIAL SWING GATES

APPROVAL

Swing gates are approved and comply with European quality and safety standards.
UNE-EN 13241

QUALITY AND DURABILITY

Quality and durability across the whole range of Roger Technology Brushless motors fitted to Rivisa swing gates.

EVOLUTION

A wide variety of accessories and options designed to suit any configuration.
Option of gate infill panels to match the fence.

ADVANTAGES:

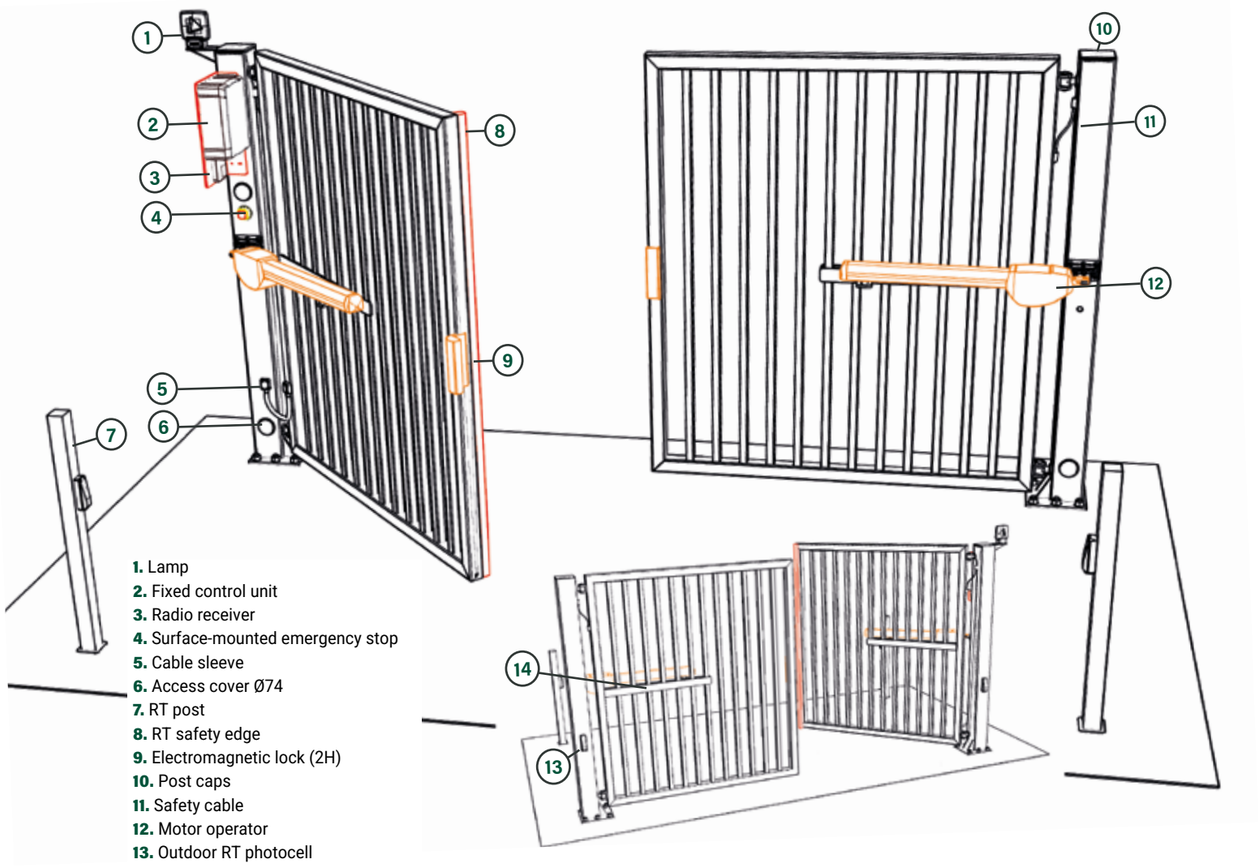
- ✓ Reliability of Roger Technology motors.
- ✓ High-quality components.
- ✓ Joints made with stainless steel ball bearings.
- ✓ Various installation options.
- ✓ **Customisation:** adaptable to specific requirements; contact us for further details.
- ✓ **Durable design:** robust construction with top-quality materials.
- ✓ Motors with mechanical worm drive that prevents free movement.

Features

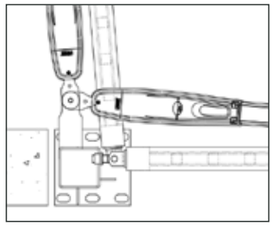
The range of motorised swing gates provides an efficient solution for optimising access in industrial or residential facilities.

They are available with different motor models, designed to meet the operating needs of each installation and to ensure safe and reliable operation.

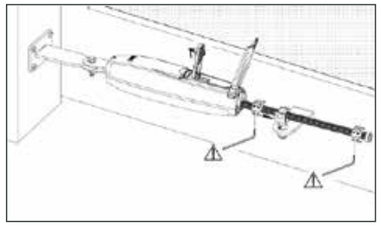
Basic installation diagram:



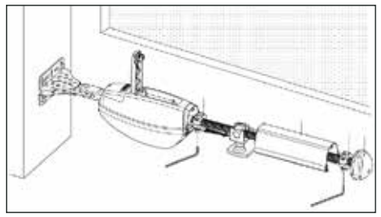
1. Lamp
2. Fixed control unit
3. Radio receiver
4. Surface-mounted emergency stop
5. Cable sleeve
6. Access cover Ø74
7. RT post
8. RT safety edge
9. Electromagnetic lock (2H)
10. Post caps
11. Safety cable
12. Motor operator
13. Outdoor RT photocell
14. Handrail for motor operator



Axial hinges for greater turning efficiency



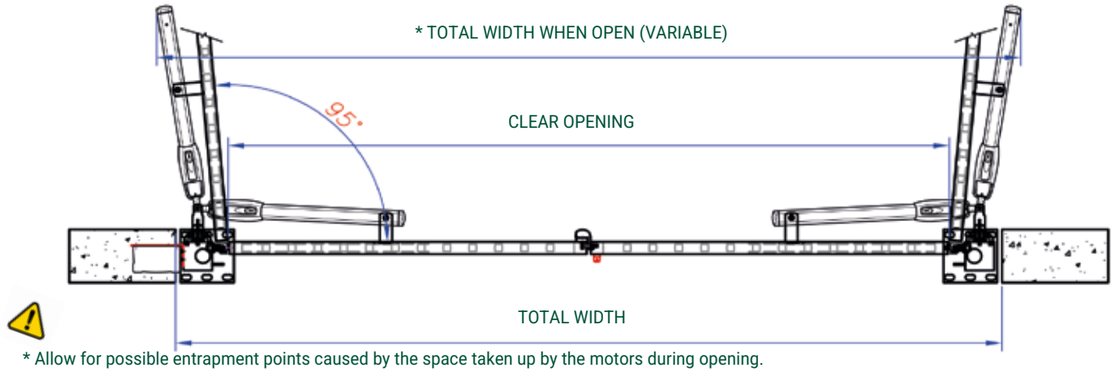
Electromechanical gear motor BRUSHLESS SMARTY



Electromechanical gear motor BRUSHLESS BE20

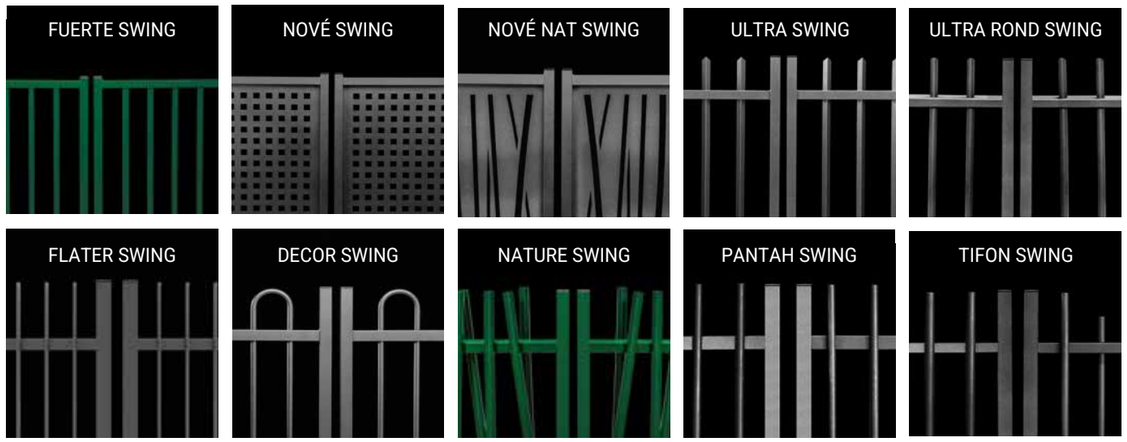
Description and technical features

WIDTH	HEIGHT	TOTAL WIDTH	CLEAR OPENING	MOTOR TYPE	NUMBER OF LEAVES	POST PROFILE	LEAF SECTION	INFILL
1m50	2m00	2000	1490	1	1 leaf	140 x 140 x 3mm	60 x 60 x 2mm	DEPENDS ON THE FINISH OF THE GATE
2m00		2500	1990	1				
2m50		3000	2490	1				
3m00		3500	2990	1		140 x 140 x 6mm	80 x 80 x 3mm	
3m50		4000	3490	1				
4m00		4500	3990	2/3				
4m50		5000	4490	2/3				
5m00		5500	4990	2/3				
3m00		3500	2990	1	2 leaves	140 x 140 x 3mm	60 x 60 x 2mm	
3m50		4000	3490	1				
4m00		4500	3990	1				
4m50		5000	4490	1				
5m00		5500	4990	1				
5m50		6000	5490	1				
6m00		6500	5990	1				
6m50		7000	6490	1		140 x 140 x 6mm	80 x 80 x 3mm	
7m50		8000	7490	2/3				
8m50		9000	8470	2/3				
9m50		10000	9470	2/3				
Right-hand inward opening on single-leaf gates and inward opening on double-leaf gates (opening direction can be changed)								



* Allow for possible entrapment points caused by the space taken up by the motors during opening.

GATE MODELS COMPATIBLE WITH THE MOTORISED SWING GATE SYSTEM



Options

Included

- Swing operation according to model and number of leaves.
- Control panel for Brushless motors
- Plug-in receiver for 50 remote controls.
- 2-channel remote controls (2 units).
- LED flashing light with built-in antenna.
- XP20 transmitter-receiver photocells, 10 m, with posts.
- 2 m long safety edge.
- Emergency stop.

Optional

- Extra set of XP20 photocells.
- Lock with release key.
- Stainless steel numeric code keypad.
- CDN compact resistive safety edge
- Extra remote control (transmitter)
- Magnetic loop for connection
- 80x80 mm tubular post, 0.40 m high, on base plate (for keypads).
- 120x120 mm tubular post (1.20 m high) with access hatch (digicode).
- 100x100 mm tubular post, 3.00 m high, with hatch (camera, lorry).


Photocell set XP20


Release key 415L


Numeric keypad


CDN compact resistive edge


Remote control (transmitter)


Flashing light LED

GATES WITH CE MARKING

Marking of swing gates

RIVISA® complies with standard **EN-13241-1:2003**, which defines the safety and performance requirements for swing gates installed in areas accessible to people. **RIVISA®** standard gates successfully passed the **"DECLARATION OF CONFORMITY TEST"** required to obtain the certificate.

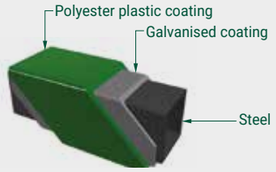
Anti-corrosion coating

All gate materials are hot-dip galvanised and plastic coated with the anti-corrosion coating system **RIVISA® Protecline**

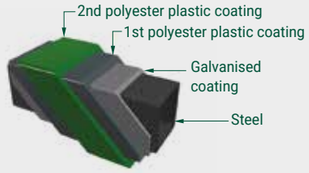
- Minimum thickness: 100 microns
- Option of **RIVISA® Protecline Plus** plastic coating, which extends the service life of the materials
- Option of **RIVISA® Protecline Triple** plastic coating, with the highest level of protection
- Available in several colours from the **RIVISA® RAL** chart. Standard colour:

White RAL-9010 · Green RAL-6005 · Grey RAL-7016 · Jet black RAL-9005 · For other colours see the Rivisa RAL chart

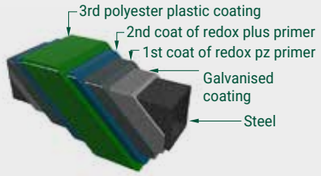
protecline



protecline PLUS

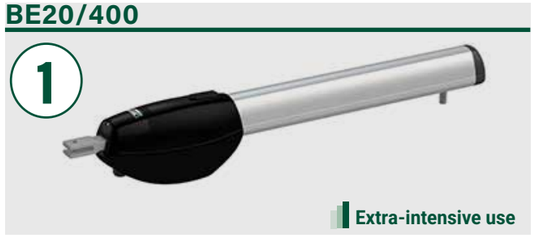


protecline TRIPLE



BRUSHLESS ELECTROMECHANICAL MOTORS

BE20/400



Swing kit
Maximum leaf length 4m00

Low-voltage BRUSHLESS electromechanical gear motor, extra-intensive use, with built-in native encoder, irreversible, for swing gates with leaves up to 4 m, with mechanical opening and closing stop. Complete with long screw-on brackets.

Mains power supply	230V AC - 50Hz
Motor power supply	36V
Mains power supply	230V AC - 50Hz
Rated power	200W
Frequency of use	Intensive use
Thrust	100 - 2800N
Speed	1.66 cm/s
Opening time	17-26 s
Travel	550 mm
Limit stop	Mechanical stop on opening and closing
Encoder	Internal digital encoder 48 PPR SENSORLESS
Duty cycles	1000

SMARTY5R5



Gate swing kit
Maximum leaf length 5m00

Low-voltage BRUSHLESS electromechanical gear motor, extra-intensive use, REVERSIBLE, for swing gates with leaves up to 5 m, with mechanical stop on opening and closing. Complete with short weld-on brackets and SMARTY/EMA absolute magnetic encoder module.

Mains power supply	230V AC - 50Hz
Motor power supply	36V
Rated power	200W
Frequency of use	Intensive use
Thrust	600 - 6500N
Protection rating	IP44
Motor type	Reversible
Speed	1.8 cm/s
Opening time	20-40 s
Travel	370 mm
Limit stop	Mechanical stop on opening and closing
Encoder	Internal digital encoder 48 PPR SENSORLESS + EMA
Duty cycles	1000

SMARTY7R



Gate swing kit
Maximum leaf length 7m00

Low-voltage BRUSHLESS electromechanical gear motor, extra-intensive use, REVERSIBLE, for swing gates with leaves up to 7 m, with mechanical stop on opening and closing. Complete with long weld-on brackets and SMARTY/EMA absolute magnetic encoder module.

Mains power supply	230V AC - 50Hz
Motor power supply	36V
Rated power	200W
Frequency of use	Intensive use
Thrust	600 - 6500N
Protection rating	IP44
Motor type	Reversible
Speed	1.6 cm/s
Opening time	35-50 s
Travel	520 mm
Limit stop	Mechanical stop on opening and closing
Encoder	Internal digital encoder 48 PPR SENSORLESS + EMA
Duty cycles	1000