RB C60_800

Technical datasheet

RB C60_800-FT-EN-03

Access controlled...
Future secured

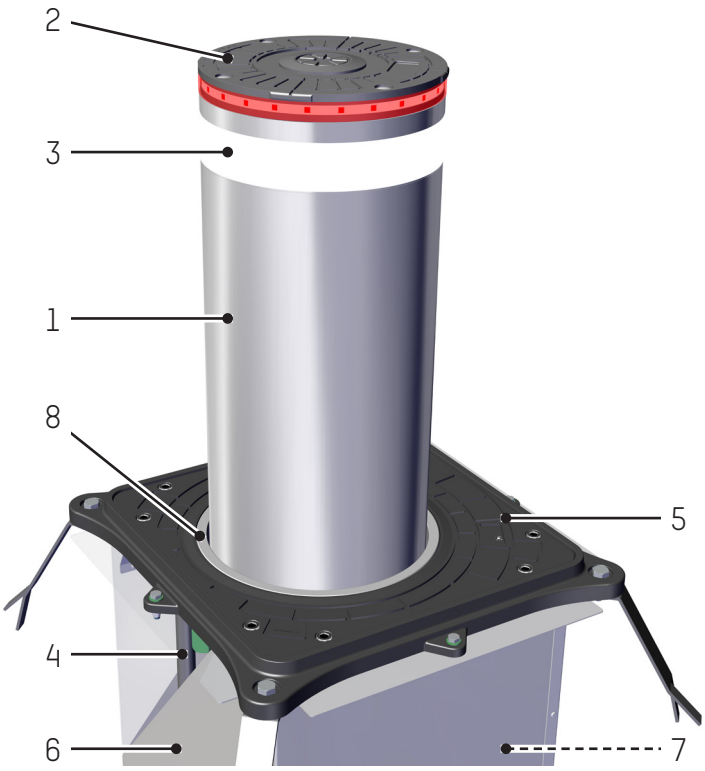


Illustration non contractuelle.

The RB C60_800 automatic rising obstacle is designed to protect and control access to sites that are susceptible to attempted break-in.

It can be used on any site where it is wished to create an obstacle to traffic without restricting pedestrian access.

In urban environments, it has the advantage of being completely invisible when lowered.

It is also perfect for controlling vehicle access to pedestrian areas.

GENERAL DESCRIPTION:

1. Painted *(RAL 7016 - Anthracite grey)* steel mobile obstacle *(FE 370)* 275 mm diameter, 10 mm thick.

   The obstacle is available with 3 different finish*: painted steel, painted stainless steel or brushed stainless steel.

2. Anti-skid cast aluminium crown *(RAL 9006 - White aluminium)*.

   Crown also available with light LEDs indicators.* *(In the perimeter of the crown)*; flashing with or without warning given prior to the neighboring mobile obstacle operation.

3. Double white reflective strip on the upper part of the obstacle, 55 mm height.

4. Carrying structure in strong steel sections.

5. Cast aluminium cover plate and link frame between the obstacle and the road surface *(mounted onto the embedded casing)*.

6. Galvanized sheet steel embedded casing

7. Mobile obstacle is held vertically and strengthened by means of a thick steel collar connected to the supporting structure and a nylon bush built-in to the obstacle and sliding along the central actuator.

8. Synthetic joint.

9. Double-acting central hydraulic jack for raising and lowering the obstacle. Obstacle not fixed to the jack to limit damages caused by small shocks.

10. Hydraulic unit mounted on the supporting structure, déployant 40 bars pour maintenir la borne en position haute.

11. Obstacle stopped in high position by mechanical stop.

12. Steel/rubber bearings support the obstacle when in the retracted position, allowing it to withstand the passage of heavy vehicles *(max. 40 T)*

13. Inductive sensor for lower position status information.

14. Remote microprocessor control board, separated from the obstacle *(10 m of electric cable provided)*, dipswitch programming, Leds display for obstacle status and inputs/outputs used.

** Product configuration to be defined when ordering*

RB C60_800

Datasheet
RB C60_800-FT-EN-03

SURFACE PROTECTION:

Treatment B:

- Shot blasting *(SA 2,5)*
- Epoxy powder primer *(80 µm)*
- Polyester powder finishing paint *(80 µm)*

STANDARD TECHNICAL SPECIFICATION:

Certification:	Rated in compliance with: PAS68 :2013 V/3500(N1)/48/90 IWA 14-1 :2013 V/3500(N1)/48/90 ASTM C60
Breakout resistance: *(Vehicles type)*	3,5 T at 48 km/h - 1,5 T at 80 km/h
Breakout resistance:	**400,000 joules.**
Breakout resistance: *(without deformation)*	40,000 joules.
Obstacle height:	800 mm.
Foundation depth:	1500 mm.
Power supply:	Single phase, 230 V - 50 Hz. *(Do not connect to a floating network or to high impedance earthed industrial distribution network)*
Max. power consumption:	400 W.
Rising speed:	5,5 sec.
Lowering speed:	3,5 sec.
Operating temperature:	-15 to +70°C.
Frequency of use:	2000 operations per day.
MCBF: *(Mean cycles between failures)*	**3.000.000** cycles.
Weight:	235 kg.
Protection index:	IP 67.

EC compliant.

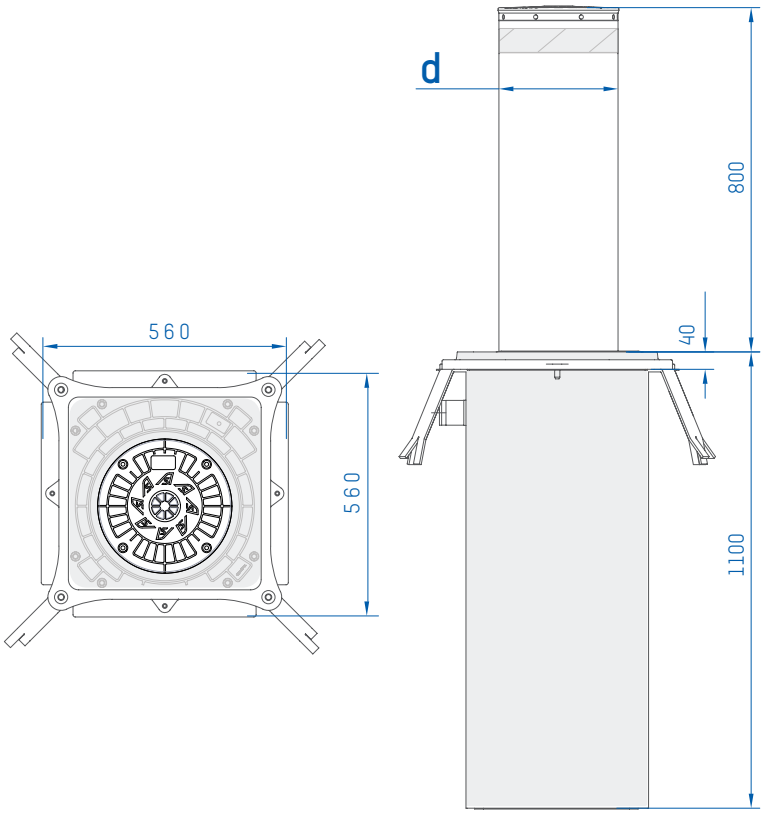
WORK TO BE PROVIDED BY THE CUSTOMER:

- Embedding casing in a concrete foundation. *(See specific installation drawing)*
- Drainage or connection to mains drainage *(if necessary)*.
- Power supply. *(If optional lighting is needed)*
- Connecting electrical cable.

OPTIONAL:

1. Pit in aluzinc or in stainless steel AISI 304.
2. Metal trap for closing counterframe with screws.
3. Intermittent audible signal with or without warning given prior to obstacle operation.
4. Painting with other RAL color.
5. Anti-corrosion treatment for cylinder or/and frame.
6. Biodegradable fuchs oil.
7. Additionnal connection line *(connecting RB to the control unit)*. Max. 80 meters.
8. Pair of quick release bollard cable connector - IP68.
9. Heating resistance for operation at temperatures down to -40° C or in case of use in areas that are highly exposed to snow or prolonged freezing.
10. Mobile cylinder finish: normal steel with ribs on surface or AISI 304 stainless steel with ribs on surface or AISI 316 brushed stainless steel.
11. Leaf covering (Gold, Silver, Copper or Bronze).
12. Kit of anti-tampering screws of the crown - removable key.
13. E.F.O. *(circuit for emergency rising (1 s))*.
14. UPS *(power supply in case of power fail)*.
15. Feeder/Accumulator group on control panel for emergency lowering if power failed.
16. Device for manual handling in case of power failure.
17. Kit UP/DOWN position *(dry contact)*.
18. Alarm kit *(1 status contact high RB - 1 status contact RB crown)*.
19. Floor metallic column for control unit.
20. Retractable structure with double pit for control unit.
21. Heating device for control unit.
22. Traffic light, LED version, Red/Green *(Ø 100 mm)*.
23. Galvanised stake for traffic light.
24. Inductive detector for safety inductive loop.
25. GSM activator for remote control.
26. Weekly/Yearly timer programmer.
27. Additional cables junction box with gel.
28. Pressure gauge to show pressure in the hydraulic pump.
29. Inductive loop for vehicle detection.
30. Photo-electric cell *(T/R or Reflex)*.
31. Cell support post.
32. Radio Transmitter/Receiver.
33. Push button box.

STANDARD DIMENSIONS (mm):



International & Headquarters

Automatic Systems SA
5 avenue Mercator
1300 Wavre - Belgique
Tel.: +32.(0)10.23.02.11
Email: sales.asgroup@automatic-systems.com

Belgium

Automatic Systems SA (Bruxelles & Wallonie)
5 avenue Mercator
1300 Wavre - Belgique
Tel.: +32.(0)10.23.02.11
Email: sales.be@automatic-systems.com

Automatic Systems Vlaanderen
Prins Boudewijnlaan 17 Unit 9A
2550 Kontich - België
Tel.: +32.(0)3.870.59.59
Email: sales.be@automatic-systems.com

France

Automatic Systems SAS - Persan
22, rue du 8 mai 1945
95340 Persan – France
Tel.: +33.(0)1.30.28.95.50
Email: sales.fr@automatic-systems.com

Automatic Systems SAS - Suresnes
3 Rue Salomon De Rothschild
92150 Suresnes
Tel.: +33.(0)1.41.11.40.20
Email: sales.fr@automatic-systems.com

Automatic Systems SAS - Lyon
Immeuble Le Québec
685, rue Juliette Récamier
69970 Chaponnay - France
Tel.: +33.(0)1.30.28.95.50
Email: sales.fr@automatic-systems.com

Spain

Automatic Systems Española SAU
Calle Bolivar, n° 24 Portal B 2° D
28045 Madrid - España
Tel.: +34.(0)91.659.07.66
Email: sales.es@automatic-systems.com

Automatic Systems Española SAU
Calle Vallés, 52-54 - El Prat de Llobregat
08820 Barcelona - España
Tel.: +34.(0)93.478.77.55

Great Britain

Automatic Systems Equipment UK Ltd.
Units 18 - 19 Babbage House
Northampton Science Park
Kings Park Road
Northampton
NN3 6LG - UK
Tel.: +44 (0)16.04.65.42.10
Email: sales.uk@automatic-systems.com

Deutschland

Automatic Systems SA
Vertriebsbüro Deutschland
Max- Planck- Straße 7
59423 Unna
Tel.: +49 2303 553 4040
FAX: +49 2303 553 4049
E- Mail: sales.de@automatic-systems.com

Canada

Automatic Systems America Inc.
4005 Matte blvd., unit D
Brossard J4Y 2P4 - Canada
Tel.: +1 450 659 07 37
Email: sales.nam@automatic-systems.com

United States

Automatic Control Systems Inc.
45 Rockefeller Plaza, suite 2000
New York City, NY 10111 - USA
Tel.: +1 516 944 94 98
E-mail: sales.nam@automatic-systems.com