

Technical datasheet

RSB M30-FT-EN-03

Access controlled...
Future secured



The RSB M30 series is built at **low outline** for limiting the depth of the basement compartment underground and to avoid the main problems of laying in presence of public services (*cables ducts, drainage systems, and similar*).

The **RSB M30** is the basic version typically used for protection of sensitive areas, such as companies, hotels, convention centers, etc.

STANDARD TECHNICAL SPECIFICATIONS

Impact resistance certifications	Rated in compliance with: PAS68:2013V/7500(N3)/48/90 IWA 14-1:2013 V/7200(N3C)/48/90 DOS K4 & ASTM M30
Impact resistance (<i>vehicles type</i>)	3,5 T at 64 km/h - 7,5 T at 48 km/h
Impact resistance	750.000 joules.
Obstacle height	500 mm.
Metal skirt	For closing front and side of the road blocker (<i>white/red</i>).
Rising/lowering speed	5 / 5 sec.
Enhanced rising/lowering speed	On demand.
Emergency Fast Opening	1,5 sec.
Obstacle width	2, 3, 4, 5 et 6 ^[1] meters. ^[1] Single unit underground / 2 x 3 m width on surface
Excavation length	940 mm extra on top of the obstacle.
Excavation depth	500 mm (<i>290 + 210 mm</i>).
Cycles Hour/Day	300/2000.
Movement	Hydraulic.
Reflecting adhesive strip	Height 55 mm.
Anti-corrosion treatment	Treatment B ^[2]
Obstacle finishing plates	Steel with anti-skid finish paint.
Load class	EN124 Class D (<i>400 kN</i>)
Protection index	IP67
Operating temperature	From -40 °C to +70 °C.
Power supply	230 V - 50/60 Hz.
Connection line to the control unit	Standard 10 m (<i>Max. : 30 m</i>).
Warranty	2 years.

ANTI-CORROSION TREATMENT

⁽²⁾ Treatment B:

- Sand blasting (SA 2,5)
- Anti-corrosion powder painting (80 µm)
- Polyester powder painting (80 µm)

WORKS TO BE PROVIDED BY THE CUSTOMER

- Concrete foundation and rebars supply. (refer to installation drawing)
- Drainage or connection to main drainage.
- Power supply.
- Electric connections with external peripherals.

CONTROL CABINET

The cabinet contains the control unit and the hydraulic pump.

Cabinet dimensions:

- Without baseplate = 600x400x1200 (LxWxH)
- With baseplate = 600x400x1400 (LxWxH)

6m MODEL

The retractable obstacles of 6 meters length appear as follows:

- A unique 6m frame to integrate into the ground;
- 2 movable obstacles of 3 meters slightly spaced and operating synchronously;
- A single cabinet containing one control logic and a pump that operates both movable obstacles.



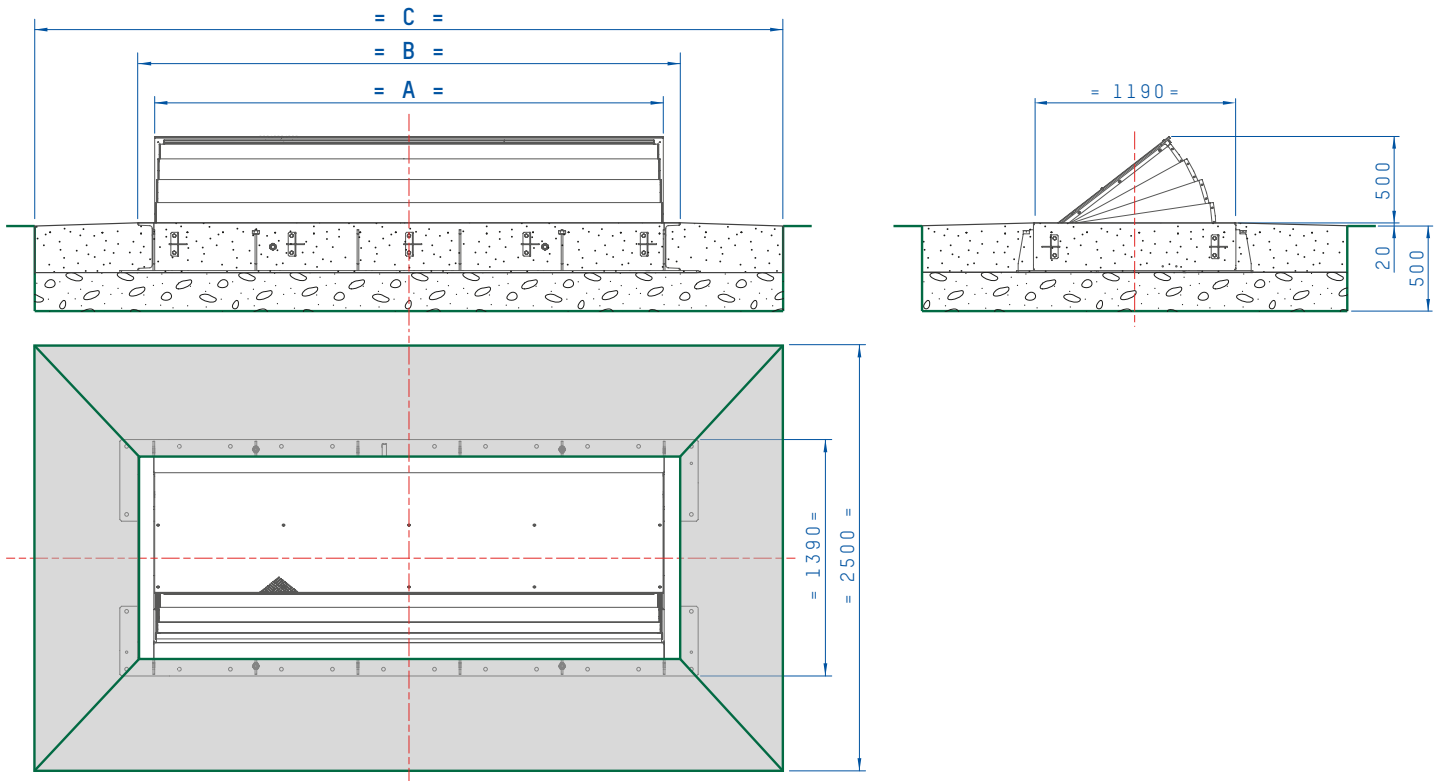
OPTIONAL

1. Additional connection line (Electric + hydraulic) ⇔ control unit (max. 30m).
2. E.F.O. unit for Emergency rising.
3. Device for manual handling if power failed.
4. Feeder/accumulator group on control panel for emergency lowering if power failed.
5. UPS group (2,4 KW - 3 KVA).
6. Floor basement for control cabinet (essential if road blocker is equipped with the device for manual handling).
7. Security lock for the control cabinet.
8. Control cabinet or floor basement in any RAL color.
9. Heating device for control cabinet.
10. LEDs lighting and 230V plug inside the control cabinet.
11. High position sensor.
12. Metal skirt painted with any RAL color (E.g.: yellow/black).
13. Anticorrosive treatment 'M': ⓘ
 - Sand blasting (SA 2,5);
 - Epoxy powder paint of ± 80 µm thick;
 - Two-component Epoxy paint of ± 80 µm thick;
 - Two-component polyurethane topcoat of ± 60 µm thick.
14. Multiled flashing light (30 LEDs point/m).
15. Finishing plate in AISI 304 stainless steel ⓘ.
16. Electrical heating inside the obstacle.
17. Traffic lights LED version Ø100 mm (Red/Green).
18. Inductive detector for safety or command inductive loop (1 or 2 channels).
19. Radio receiver/transmitter (two-channel).

ⓘ Mandatory for an installation less than 2 km from the seaside or for intensive sandblasted pavement (3 months/year).

STANDARD DIMENSIONS (mm)

Model	A	B	C	Weight (kg) without base structure
RSB M30_2000	1990	2190	3400	1100
RSB M30_3000	2990	3190	4400	1470
RSB M30_4000	3990	4190	5400	1840
RSB M30_5000	4990	5190	6400	2210
RSB M30_6000	2 x 2990	6190	7400	2750



Note(s):

- Reinforcements not shown in the above drawing.
- Pit dimensions = C x 2500 x 500. (Example: pit dimensions for RSB M30_3000 = 4400 x 2500 x 500)

HEAVY TRAFFIC APPLICATION

- ◇ The RSB M30s comply with EN 124 Class D400 and are used by medium and moderate traffic road applications: access control, lane closure, etc.
- ◇ For uses with heavy traffic, specific conditions of use and adaptations are mandatory (signalling, operating modes, maintenance, mechanical lock, reinforcements, etc.).

Please contact us so that a suitable and secure solution can be proposed to you.



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