

Technical datasheet

RSB M50-FT-EN-07

Access controlled...
Future secured



The RSB M50 series is built with a weak depth design to avoid the main problems of laying in presence of public services (*cables ducts, drainage systems, and similar*).

The RSB M50 is the basic version typically used for protection of high risks area as airport, military and chemical sites, stadiums, etc.

STANDARD TECHNICAL SPECIFICATIONS:

Impact resistance certifications	Certified: PAS68:2013V/7500(N3)/80/90:0,2/10 Rated in compliance with: IWA 14-1:2013 V/7200(N3C)/80/90 DOS K12 & ASTM M50
Impact resistance (<i>vehicles type</i>)	3,5 T at 112 km/h - 7,5 T at 80 km/h
Impact resistance	2.000.000 joules.
Impact resistance without deformation	700.000 joules.
Obstacle height	1000 mm.
Metal skirt	For closing front and side of the road blocker (<i>white/red</i>).
Rising/lowering speed	7 / 7 sec.
Enhanced rising/lowering speed	On demand.
Emergency Fast Opening	1,5 sec.
Obstacle width	2, 3, 4, 5 et 6* meters. * Single unit underground / 2 x 3 m width on surface
Excavation length	940 mm extra on top of the obstacle.
Excavation deep	500 mm (<i>290 + 210 mm</i>).
Cycles Hour/Day	300/2000.
MCBF (<i>Mean Cycles Between Failure</i>)	3.000.000 de cycles, <i>respecting the recommended maintenance procedures.</i>
Movement	Hydraulic.
Reflecting adhesive strip	Height 55 mm.
Anti-corrosion treatment	Treatment B (*)
Obstacle finishing plates.	Anti-skid aluminium.
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:

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 mains drainage.
- Power supply.
- Electric connections with external peripherals.

CONTROL CABINET

This cabinet contains the control unit and the hydraulic pump.

External dimensions :

- Without base plate : 600x400x1200 (LxWxH)
- With base plate : 600x400x1400 (LxWxH)

OPTIONAL:

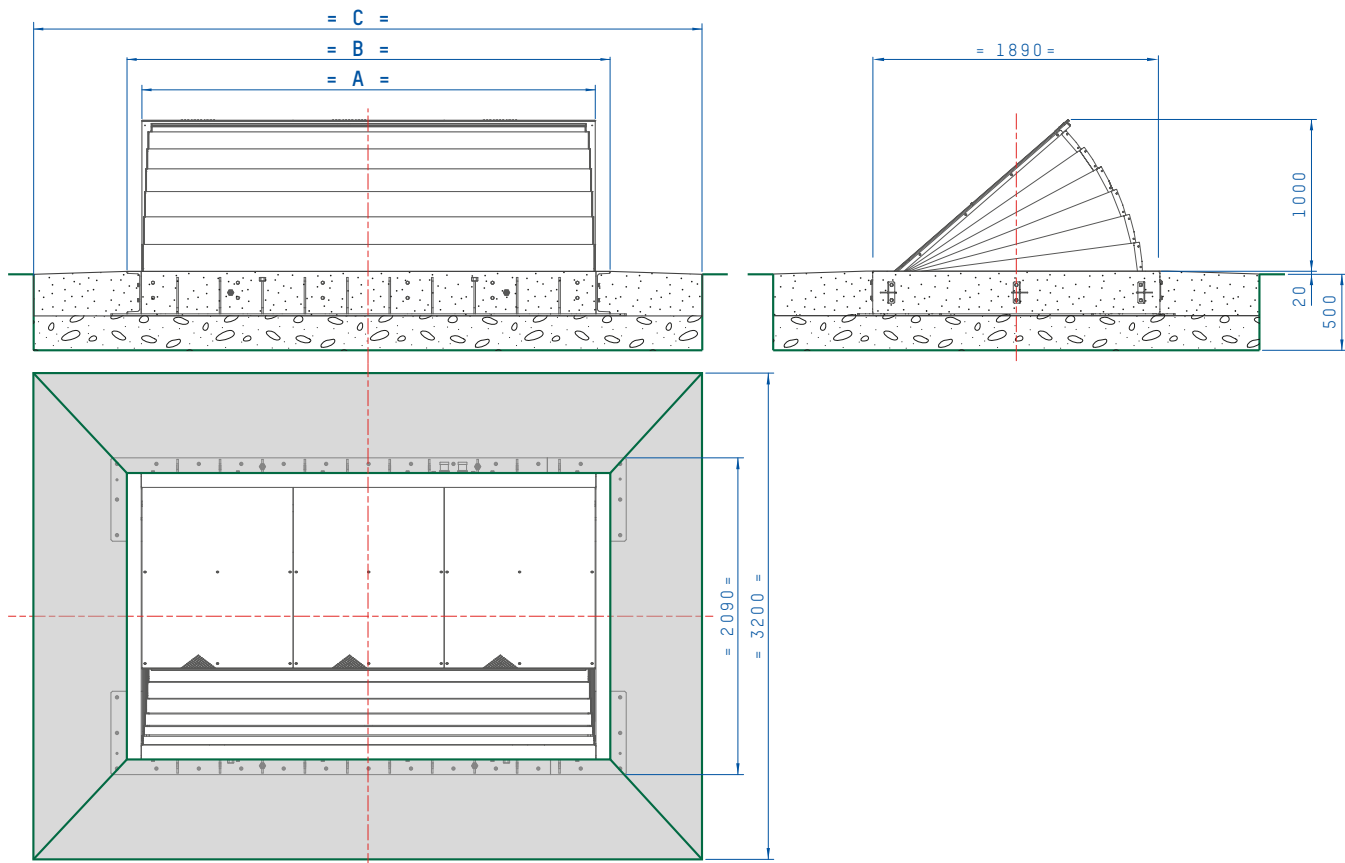
1. LEDs strip (30 LEDs by meter).
2. Metal skirt painting with any RAL color (*ex: yellow/black*).
3. Embossed sheet in AISI 304 stainless steel (*in alternative to standard aluminium sheet*).
4. C5M anticorrosive painting for waterfront.
5. Synchronisation kit for obstacle with rising barrier.
6. E.F.O. unit for Emergency rising.
7. Feeder/accumulator group on control panel for emergency lowering.
8. Device for manual handling if power failed.
9. Floor basement for control unit housing (*essential if road blocker in equipped with the device for manual handling*).
10. UPS group (2,4 KW - 3 KVA).
11. Electropiston for mechanical locking of the plate in high position.
12. Control unit housing or floor basement in any RAL colours.
13. Additional connection line (*Electric + hydraulic*) ⇔ control unit (*max. 30m*).
14. Heater for control unit cabinet and pump.
15. Radio receiver/transmitter (*two-channel*).
16. Traffic lights red/green.
17. Inductive detector and inductive loop - dimensions: 7,60m - 9,60m - 12,60m - Line: 15m and 30m.
18. Safety lock for the control unit cubicle.
19. LEDs lighting and 230V plug inside the control cubicle.
20. Electrical heating inside the obstacle.

STANDARD DIMENSIONS (mm):

Model	A	B	C	Weight (kg) without base structure
RSB M50_2000	1990	2190	2930	1500
RSB M50_3000	2990	3190	3930	2000
RSB M50_4000	3990	4190	4930	2600
RSB M50_5000	4990	5190	5930	3000
RSB M50_6000	5990	6190	6930	4000

Note(s):

- Reinforcements not shown in the above drawing.
- Pit dimensions = C x 3200 x 500. (Example: pit dimensions for RSB M50_3000 = 4400 x 3200 x 500)



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