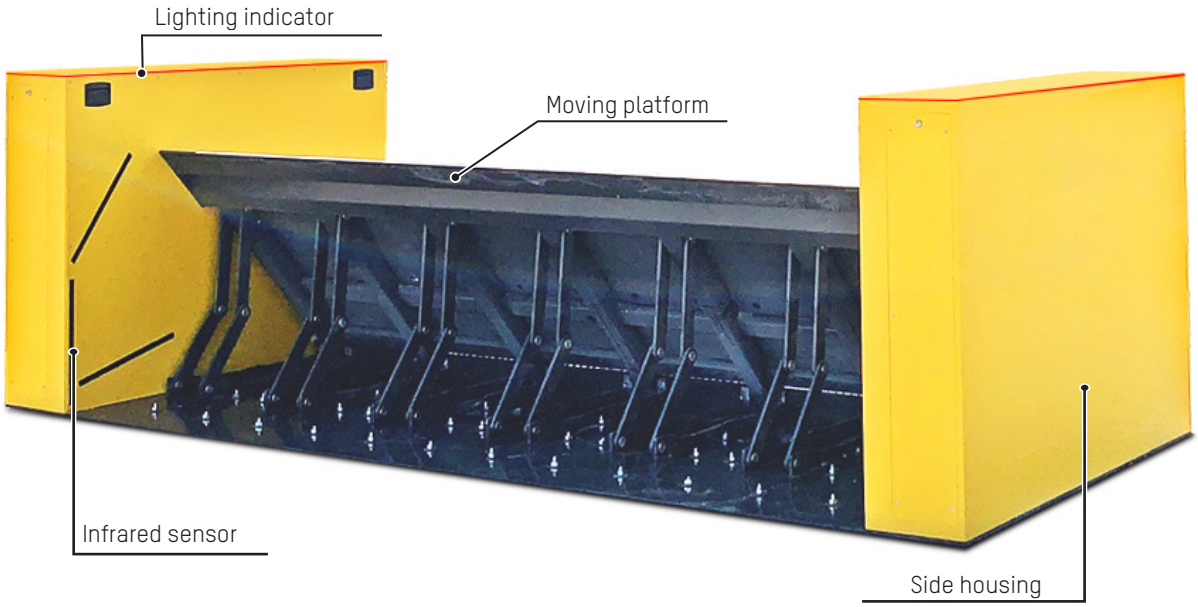
RSB M30SM

Technical datasheet

Rev. 01 • Update 07/2023



The **ROAD BLOCKER M30SM**, with a height of 1000 mm, is designed for installation at "surface level" by means of chemical anchors, in order to avoid the execution of ground works and therefore any issues relating to the presence of sub-services.

The **ROAD BLOCKER M30SM** is a safe solution both for pedestrian and vehicles, a 360° lighting indicator and infrared sensors are built-in each side housing to prevent accidents. The traffic lights placed at the top of the side housing increase also the visibility at night.

The integrated control board and hydraulic unit give to this product a compact design.

STANDARD TECHNICAL CHARACTERISTICS

Impacts resistance certifications:			
Crash tested	PAS68:2013 V/7500(N3)/48/90: 7.1 IWA 14-1:2013 V/7200(N3C)/48/90: 8.4 ASTM F2656/F2656M-20 C730 P3		
Impact resistance (vehicles type)	3.5T at 64 km/h 7.5T at 48 km/h		
Breakout resistance [1]	750.000 Joules		
Impact resistance (without deformation)	250.000 Joules		
Power supply	230VAC/400VAC (+/- 10%) – 50/60Hz		
RSB height	1000 mm		
Moving platform width (L)	3500 mm	4500 mm	5500 mm
Maximum road blocker external dimensions	4200 x 1700 x 1300 mm	5200 x 1700 x 1300 mm	6200 x 1700 x 1300 mm
Rising time	7 sec. (optional: E.F.O. rising time 2 sec.)		
Lowering time	7 sec.		
Ambient operating temperature	from -20°C to +70°C. (Please select the appropriate heating option to prevent the formation of ice)		
Frequency of use	2000 cycles/day		
MCBF (Mean cycles between failures)	**3.000.000** cycles, in compliance with recommended maintenance		
IP rating	IP 56		
Load class	D400		
Movement	Hydraulic – Integrated connections and pump		
Complies with European standards			

[1] The impact resistance refers to a RSB laid on a proper flooring, i. e. concrete floor, and fixed to it by chemical anchors. When paving on a different surface, such as asphalt, chemical anchors do not guarantee adequate impact resistance.

OPTIONS

FOUNDATION BOX

- Kit of 32 chemical anchors for the fixation of the road blocker to the road surface - 3.5m model.
- Kit of 36 chemical anchors for the fixation of the road blocker to the road surface - 4.5m model.
- Kit of 46 chemical anchors for the fixation of the road blocker to the road surface - 5.5m model.

CONTROL

- UPS device 2.4kW-3kVA for operation of max 1 RSB (10 operations or 1 hour) in case of power failure.
- EFO circuit for emergency rising: 2 sec.
- Kit to test and recharge the nitrogen pressure into the pressure accumulator.

SIGNALIZATION

- Lighting strip (30 LEDs per meter) on the moving platform - Passage width 3.5m, 4.5m and 5.5m.
- Vandalism alarm kit for detection of the attempts of : (1) manual emergency lowering, (2) removal of the control cover, (3) mobile obstacle lowering (provides a signal to be used on a separate control interface).
- Traffic light Ø100mm - Red/Green (without post).
- Powder coated steel post for traffic lights (Ø105mm - height 4m).

OTHER OPTIONS

- Presence sensor for safety one (or two)-channel inductive loops.
- Presence sensor for command one (or two)-channel inductive loops.
- Cell phone activator for remote control (up to 900m connected cell phones).
- Weekly / Yearly timer programmer.
- Pressure gauge 0/250 bar with connection to show the pressure in the hydraulic pump.

Note: For restrictions on options, please contact us.

WORKS TO BE PROVIDED BY THE CUSTOMER

- Product assembly [2].
- Ground mounting.
- Drainage or connection to main drainage.
- Power supply.
- Electric connections with external peripherals (if necessary).

[2] Product delivered in 2 parts to be assembled.

Note: The housings must be protected from shocks (sidewalk, metal railings, etc.).

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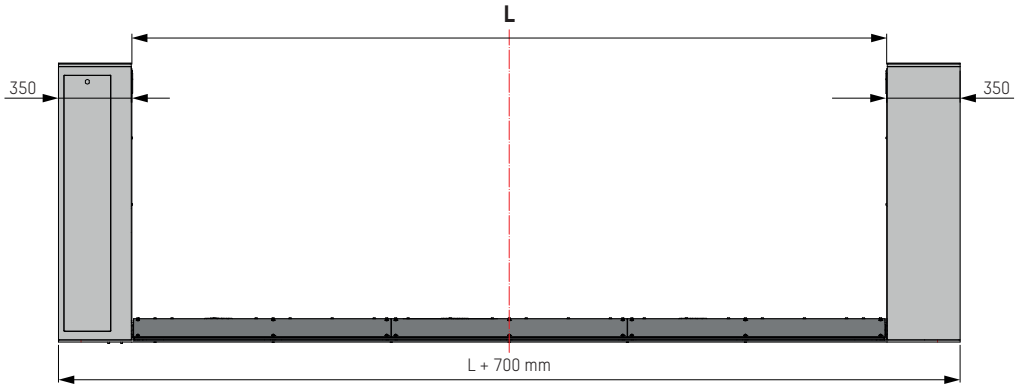
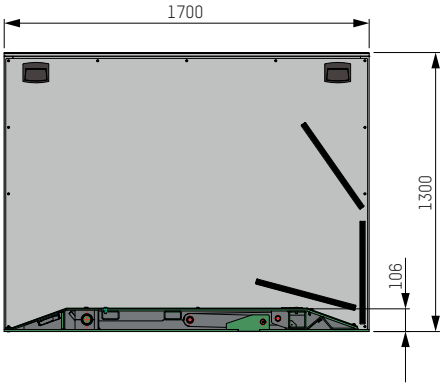
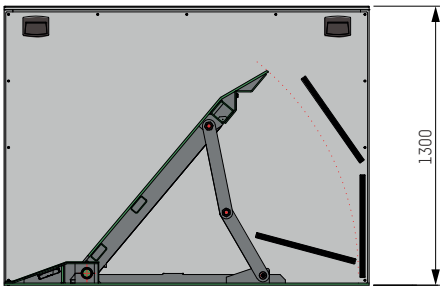
DIMENSIONS STANDARD (MM)









MODEL	L
RSB M30SM_3500	3500
RSB M30SM_4500	4500
RSB M30SM_5500	5500

Dig a pit with **a depth of 400 mm** and the following dimensions:

- **3.5 m version:** 4700 × 2100 mm
- **4.5 m version:** 5700 × 2100 mm
- **5.5 m version:** 6700 × 2100 mm

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