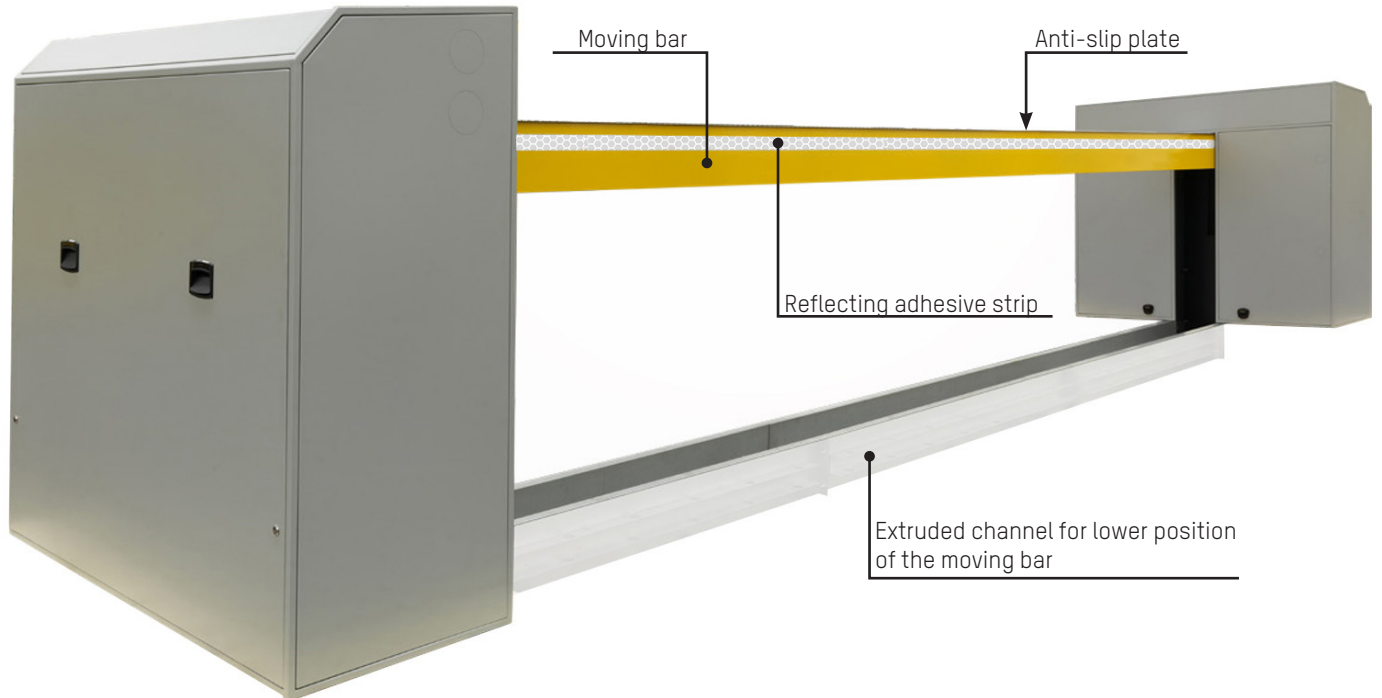


BL M50

Datasheet

Rev. 06 • Update 04/2022

AS AUTOMATIC
SYSTEMS



The motorized barriers with vertical movement, called **BL M50**, have a considerable mechanical strength to meet the highest anti-terrorism security requests because they are designed to resist to the breakout of a truck having a weight of 6800 kg which impacts at 80km/h

CHARACTERISTICS

1. **Hydraulic movement:** lthe most reliable technology at all temperatures and weather conditions but especially for the intensive use.
2. **Control unit equipped with PLC:** this solution ensures regular rising / lowering speed also in case of different temeprature ranges.



STANDARD TECHNICAL CHARACTERISTICS

Impacts resistance certifications:				
Rated in compliance with	PAS68:2013V/7500(N3)/80/90 IWA 14-1:2013 V/7200(N3C)/80/90 DOS K12 & ASTM M50			
Breakout resistance (type of vehicles)	3.5T at 112 km/h 7.5T at 80 km/h			
Breakout resistance	2.000.000 joules			
Power supply	230/400Vac (+/- 10%) - 50/60Hz			
Moving barrier height from ground level	1100 mm			
Moving barrier width	3000 mm	4000 mm	5000 mm	6000 mm
Maximum dimensions of the barrier	4470 x 2200 x 1988 mm	5470 x 2200 x 1988 mm	6470 x 2200 x 1988 mm	7470 x 2200 x 1988 mm
Weight	1700 kg	1850 kg	2000 kg	2150 kg
Rising speed	15.7 cm/sec (EF0 raising time: 2 sec)			
Lowering speed	15.7 cm/sec			
Ambient operating temperature	-40°C +70°C (for low temperatures, use the heating resistance)			
Frequency of use	2000 cycles/day			
MCBF (Mean cycles between failures)	3.000.000 cycles, in compliance with recommended maintenance			
IP rating	IP67			
Load class (EN124 norm)	D400			
Movement	Hydraulic			
Complies with European standards				

SURFACE PROTECTION

Anticorrosive treatment 'M' of barrier finish*:

- Sand blasting SA2.5
- Epoxy powder paint of $\pm 80 \mu\text{m}$ thick
- Two-component Epoxy paint of $\pm 180 \mu\text{m}$ thick
- Two-component polyurethane topcoat of $\pm 60 \mu\text{m}$ thick
- Anti-skid stainless steel cover plate on top.

* (Standard = yellow)

① Mandatory for an installation less than 2 km from the seaside or for intensive sandblasted pavement (3 months/year).

OPTIONS

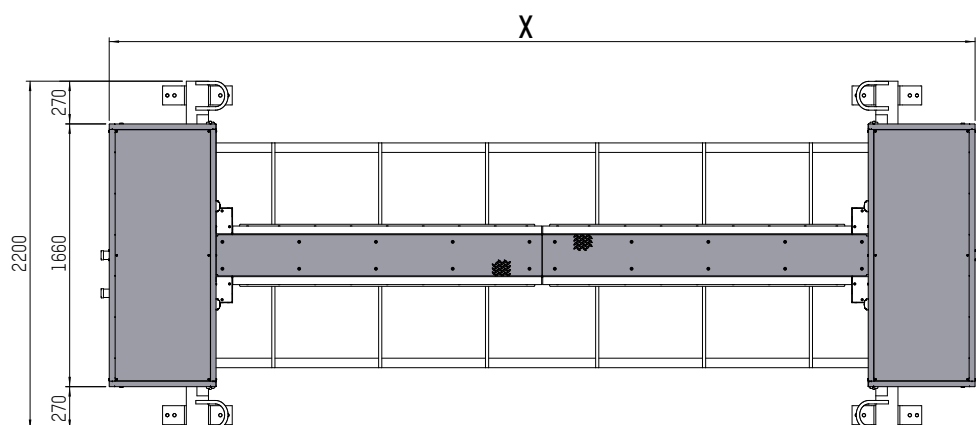
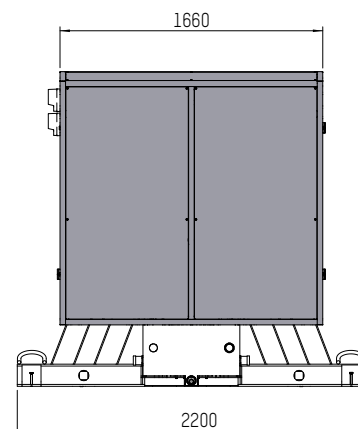
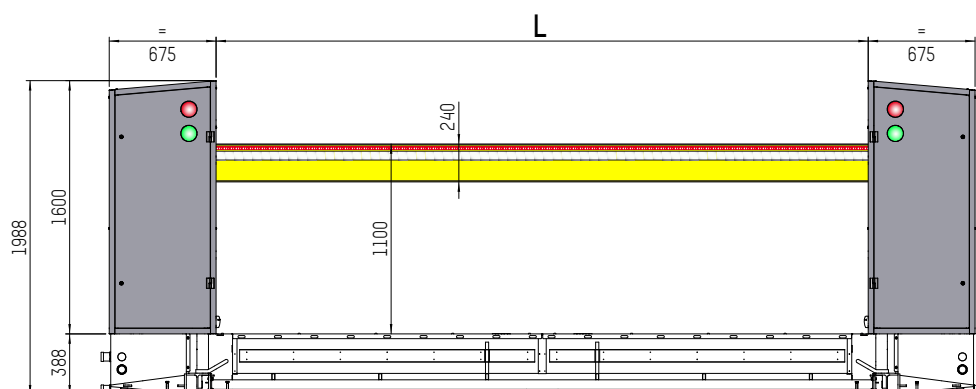
1. Buzzer acoustic signal.
2. RAL painting on request for side columns.
3. Device for manual handling in case of power failure (available for lengths up to 7m).
4. UPS group 4,8kW- 6kVA for working max 1 barrier in case of power failed.
5. Pair of commnd photocells for car or truck.
6. Kit Up/Down to signal position - Up - Down.
7. Multipoint LED crown (30 led points/m) - Two-way road.
8. Chute heater.
9. Heating device for control unit.
10. Kit LED lamp and shuko socket 230v for control unit.
11. Traffic light led version 100mm - 1 red - 1 green.
12. GSM activator for remote control.
13. Weekly or Yearly timer programmer.
14. Manometer 0/60 bar with connection to show the pressure in the hydraulic pump.
15. Pressure gauge 0/250 bar with connection to show the pressure in the hydraulic pump.
16. Inductive detector for one or two-channel inductive loops, for safety or for command.
17. Inductive loop for detection - Car (2 x 1 m / connexion 5 m).
18. Inductive loop for detection - Truck (3.50 x 1.50 m / connexion 20 m).
19. Photo-electric cell - Transmitter/Receiver or Reflex.
20. Cell support post for Transmitter/Receiver or Reflex.
21. Radio transmitter or receiver (with or without aerial) 2 ways.
22. Push button box - 2 (opening / closing) or 3 buttons (opening / closing / stop).

WORKS TO BE PROVIDED BY THE CUSTOMER

- Concrete foundation and rebars supply.
- Drainage or connection to main drainage.
- Power supply.
- Electric connections with external peripherals.

Note: Follow the installation plan.

STANDARD DIMENSIONS (MM)



MODELS	A	X
BL M50_3000	3120 mm	4470 mm
BL M50_4000	4120 mm	5470 mm
BL M50_5000	5120 mm	6470 mm
BL M50_6000	6120 mm	7470 mm

Dig a pit with a **depth of 500 mm** and the following dimensions:

- **Version 3 m** : 3800 × 5200 mm
- **Version 4 m** : 3800 × 6200 mm
- **Version 5 m** : 3800 × 7200 mm
- **Version 6 m** : 3800 × 8200 mm

