LA BARRIÈRE AUTOMATIQUE
LBA GROUP

LBA12

Heavy automatic barrier with an axial glass fiber arm up to 12 m

- Arm in one piece and without guying to preserve user safety and strengthen the structure robustness
- High resistance to wind gusts up to 160 km / h
- Ensures durability thanks to its flexibility, resistance to impact and external aggressions (corrosion, pollution, etc.)
- Ensures reliability and tested in extreme atmospheric conditions (galvanized treatment, stainless steel)
- Reinforced access closure with the addition of protective grids for long lengths

INDUSTRY CUTTING OF HIGHWAYS / TUNNELS

MAIN CHARACTERISTICS

- **Axial reinforced glass fiber arm of ø 140 mm from 2 to 12 m**
- **ONE-C© control card with configuration screen and remote control**
- **Ongoing intensive operating (10,000 cycles/day)**
- **Variable speed, from 4.9 sec**
- **Three-phased geared motor, 230V power supply**
- **Compressing spring**
- **Anti-condensation heating**
- **Axial strengthened housing support**

TECHNICAL CHARACTERISTICS

- Steel sheet housing 4 mm, protected with cataphoresis, with Ronis 405 lock
- Standard RAL 5015
- Steel sheet top cover 3mm
- Axial arm with red and white reflective stripe
- Electromechanical limit switch
- Monitored with a ONE-C control card
  - Wired or network wiring control; several communication protocols (Modbus TCP/IP, RS485)
  - Centralized communication interface (screen, LED)
  - Remote controlling and configuration via webserver
  - Program memory with SD card (included)
  - Pluggable terminal
  - Engine management via frequency driver, allowing to manage:
    - › Accelerator and break control
    - › Opening and closing speed
  - Easy handling
  - Ergonomic

Voltage	230 V
Consumption	550 W
Geared motor	Three-phase brake motor 0.55 kW. Irreversible motor
Counterbalance	Compressing spring + guide, chain and gable
Arm	Polyester reinforced glass fibre ø 140 mm
Half shell	Galvanized steel 10 mm
Handling time	From 4.9 to 10.5 sec.
MCBF (number of cycles)	≥ 3 millions
MTBF (hours)	≥ 15000
Maximum arm length	12 m
Emergency operation	11 turns of the handle + anti-restarting system
Temperature control	Anti-condensation heating
Coating	Polyester powder baked at 250°
Weight	From 242 to 246 kg
Measurements	1000 x 1000 x 1000 mm
Temperature conditions	-30° +55° C
IP	54

LBA12

OPTIONS

Sound and light signal
- Flash lights R2 on the arm
- R24 lights on poles
- Signs with standard models ø 450, 650
- Siren / alarms

Safety
- Infrared cells
- Reflex cells
- Magnetic loop detector
- Ultrasound detectors

Installation
- PVC sealing template frame + 4 rodes 20 X 500 mm
- Stainsless steel anti-shock rotation device
- Limit switches pivoted barrier feedback
- Adjustable tip support tube of 80 x 80 mm
- Adjustable pendular support from 800 to 1,000 mm

Customisation/ Access
- Railway type arm up to 14 m
- Rectangular aluminium arm, 175x75 mm
- Reinforced aluminium arm, 180 x 118 mm
- Articulated low grid Ø 20 mm, up to 9 m (GA)
- High & low grid (GTH) up to 7 m (with 175 x 75 mm arm only)
- High protection grid (HP) up to 6 m
- Polyester paint / Specific colour (RAL to be defined)
- Local control: fire brigade access control, push button box, etc.
- Multiple configurations adapted to the site (ONE-C)
- Remote controlling and setting
- Installation on the right side
- Manual anti-shock rotary system
- Motorised rotary system (easing maintenance)
- Solar supply

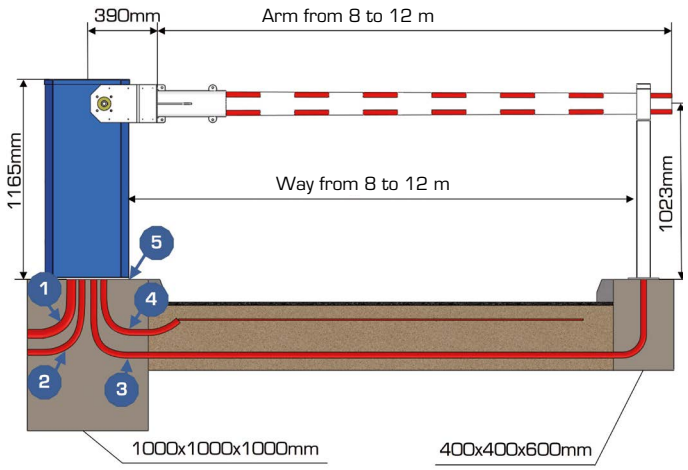
OPERATIONAL LIMITATIONS

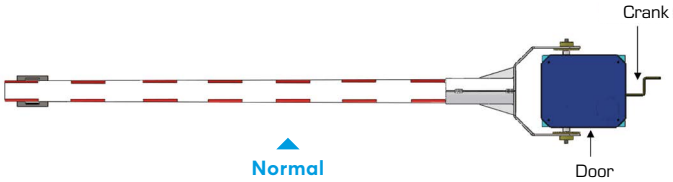
Arm length	Passing width	Weight	Tip supports
8,00 m	8,00 m	242 kg	No
9,00 m	9,00 m	244 kg	No
10,00 m	10,00 m	245 kg	Yes
11,00 m	11,00 m	245 kg	Yes
12,00 m	12,00 m	246 kg	Yes

WORKS TO BE CARRIED OUT BY THE INSTALLER

- Solid concrete with sealing template and 4 rods Ø 20 mm (optional).
- Sleeves for power cables, remote control and magnetic loop.
- Power supply: U 1000 RO 2V cable: 3 x 2.5 mm2, single-phase 230 V.
- Remote control: telephone cable 5 pairs 9/10.

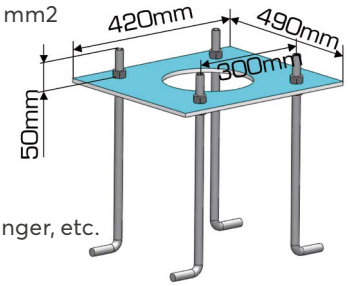
INSTALLATION

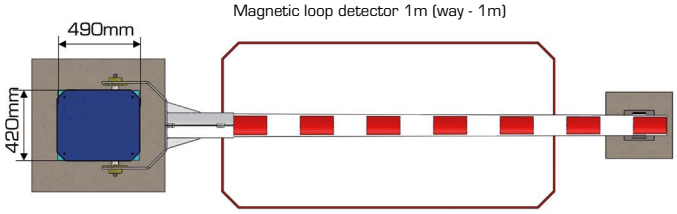




Conducts and cables

1. **Alimentation :**
   - Janolene Ø 63 mm
   - Cable U 1000 RO 2V 3 x 2.5 mm2
2. **Remote control :**
   - Janolene vert Ø 40 mm
   - Cable phone 5 paires 9/10ème
3. **Link with tip support :**
   - Tube Ø 30 mm
   - Infrared cells, magnetic plunger, etc.
4. **Magnetic loop cable :**
   - Tube Ø 30 mm
   - Twisted loop cable pair
5. **Sealing template frame and isolation :**
   - PVC sealing of 10 mm
   - 4 mounting rodes Ø 20 x 500 mm





The sealing template remains in place level and must rest entirely on solid concrete. Sealing rods spacing 300 x 300 mm.