



**LA BARRIÈRE AUTOMATIQUE**  
F A B R I C A N T



**PUBLIC AND RESIDENTIAL  
INDUSTRIAL**

2 to 6m

**LBA 6**

**ALUMINIUM ARM**

From 2 to 6 m - Oval arm 84x57 mm

- **15 000 cycles / day**
- **Variable speed programmable from 2 to 9 sec.**
  - **3-phase motor, power supply 230V**
- **Adjustable rate of acceleration and braking**
  - **Installation possible on right or left side**
    - **Exists in ATEEX version**
- **Protected with cataphoresis**



**Specifications**      **Technical feature**

**Housing and maintenance door:** Steel sheet 2 mm protected with cataphoresis, blue RAL 5015, the door is equipped with a Ronis 405 lock.

**Top cover:** Steel sheet 2 mm protected with cataphoresis, white RAL 9010.

**Paint:** Polyester powder baked at 250°, housing RAL 5015, top cover RAL 9010.

**Arm:** One-section oval anodized aluminium arm of 84 x 57 mm ≤ 6m, with reflecting bands.

**Counterbalance:** Compression spring ≤ 380kg

**Emergency operation:** Manual operation by 10 turns of the handle and an anti-restarting lock.

**Geared motor:** Three-phase 230V motor powered by a single-phase 230V frequency converter  
Double wheel converter and worm screw, lubricated for life + 17 mm shaft end for the crank

Arm m	Oval mm	Drive KW	Voltage A/230V	Speed trs/mm	Variator proportion	Operation time	
						50 Hz	mini/maxi
3,5	84x57	0,18	1,2	1410	156 / 1	1,5 / 1,5	1,5 / 2,0
4,0	84x57	0,18	1,2	1410	266 / 1	2,8 / 2,8	2,0 / 5,0
4,0 à 5,0	84x57	0,18	1,2	1410	380 / 1	3,9 / 3,9	3,0 / 6,0
5,0 à 6,0	84x57	0,18	1,2	1410	570 / 1	5,9 / 5,9	5,0 / 9,0

**Standard equipment:** Housing with geared motor, counterbalance and a fixed arm support.  
Isolating switch, frequency converter, multi-program control unit  
Inductive sensors without contact for the arm adjustments  
Anti-condensation thermostatic heating 230V-32W  
Crank for manual emergency operations (with limited switches)  
A set of keys for the maintenance hatch and a key to adjust the limited switches  
Installation, connection, implementation and maintenance manuals  
Anodized oval aluminium arm of 84 x 57 mm, with reflecting strips

**Optional equipment:** Safety magnetic loop - infrared cell – adapted logics – signs etc

# LBA 6 - ALUMINIUM ARM

from 2 to 6 m – oval arm 84 x 57 mm

## LBA 6 standard aluminium oval arm 84 mm x 57 mm

Type	Maximum passing width	Arm Length	Total weight	Fixed support post or moving support is compulsory
LBA 6 - 000	-	-	67 kg	-
LBA 6 > 200	1,70 m	2,00 m	69 kg	no
LBA 6 > 300	2,70 m	3,00 m	70 kg	no
LBA 6 > 400	3,70 m	4,00 m	71 kg	no
LBA 6 > 500	4,70 m	5,00 m	72 kg	yes
LBA 6 > 600	5,70 m	6,00 m	73 kg	yes

**MCBF** : 5 000 000 of cycles

(Number of average cycle without failure)

**MTBF** : 15 000 h

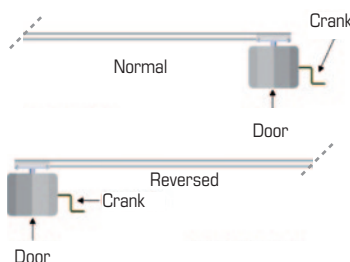
(Average function time without failure)

**MTRR** : 15 mn.

(Average repairing time)

**Protection** : IP 54

(Indication of protection)



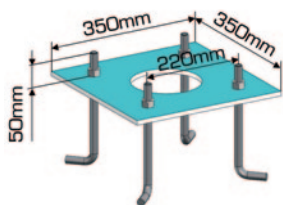
## Optional equipment:

- PVC sealed template frame +4 bars 16 X 250 mm+8 bolts
- Rotary sealed template frame + 4 bars Ø16 X 250 mm + inox disc
- Fixed tube support : 60 X 60 X 1200 mm
- Adjustable support from 900 to 1200mm, to be fixed with 4 pins
- Fixed support post with 230 kg suction magnetic
- Ajustable moving support from 900 to 1000 mm
- Articulated arm ≤ 3,80 m height ≤ 2.50 m
- Polyester paint, special color (RAL to be defined)
- Standard signage Ø 320 mm : STOP or NO ENTRY
- Motion detector on a magnetic loop, infrared cell etc.
- Local control : fire brigade access control, push button box
- Radio receiver Cardin 433 MHz from 1 to 4 channels, European standards
- Access control : card readers, number code keyboard, etc
- In absence of U arm, automatic lifting < 6 m
- Unhinging device (highway type)
- Solar supply possible, please contact us for further information

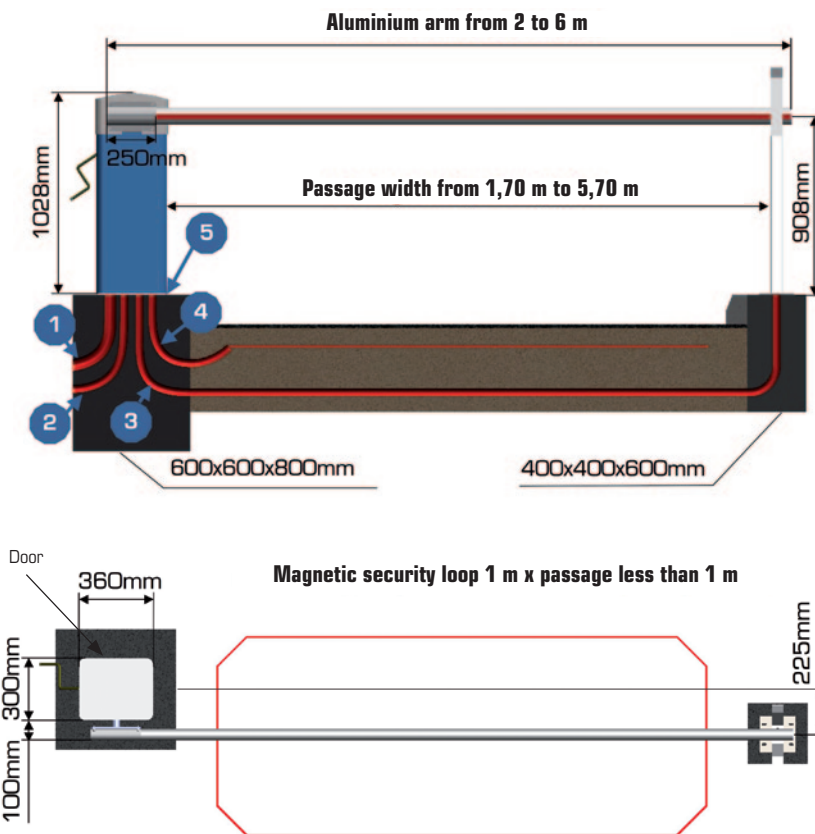
## INSTALLATION

### Conducts and cables:

- Power supply:**
  - Tube Ø 63 mm
  - U 1000 RO 2V  
3 x 2.5 mm<sup>2</sup>
- Remote control:**
  - Green tube Ø 40 mm
  - 5 pairs 9/10 telephone cable
- Link with support:**
  - Tube Ø 30 mm
  - Cellule IR, ventouse magnétique, etc
- Magnetic loop tail:**
  - Tube Ø 30 mm
  - Cabled loop tail
- Sealing template frame:**
  - 10 mm PVC base frame
  - 4 anchoring bars Ø 16X 250mm



The template has to be levelled and must completely rest on the concrete foundation. Distance between each embedded shaft : 220 X 220 mm



## WORK TO BE CONDUCTED BY THE INSTALLER :

- Concrete foundation with sealing template frame and 4 shafts Ø 16 mm (optional).
- Casing for power cables, remote control and magnetic loop.
- Electric power: U 1000 RO 2V cable: 3 x 2.5 mm<sup>2</sup>, single-phase 230 V.
- Remote control : 5 pairs 9/10 telephone cable.