



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



**PUBLIC AND RESIDENTIAL
INDUSTRIAL
WAY BRAKER**

3 to 6 m

LBA 86

**HIGH RESISTANCE ALUMINIUM ARM
STRAIGHT OR ARTICULATED**

From 3 to 6 m – 175 x 75mm

- **10 000 cycles / day**
- **Variable speed, programmable from 2 to 9 sec.**
 - **Three-phase motor, power supply 230 V**
 - **Adjustable rate of acceleration and braking**
- **“Anti-shock” rotation feature**
 - **High resistance to shocks**
 - **Protected with cataphoresis**



Specifications

Technical feature

Housing and maintenance door :

Steel sheet 3 mm protected with cataphoresis, blue paint RAL 5015, door 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:

Reinforced aluminium arm 175 x 75 mm, lacquered white + white and red reflecting bands.

Counterbalance:

Compression spring < 1 800 kg + bar, chain and sprocket (replaces the counterweight).

Emergency operation:

Manual operation by 11 turns of the handle and an anti-restarting lock.

Geared motor:

Three-phase 0,55 kw - 230V (Δ) with brake driven by a frequency converter
Double wheel converter and worm screw, lubricated for life

Arm m	Oval mm	Drive KW	Voltage A/230V	Speed trs/mm	Variator proportion	Operation time	
						50 Hz	mini/maxi
From 3 to 4 m	175x75	0,55	2,9	1410	322 / 1	3,0 / 3,0	2,0 / 4,0
From 4 to 5 m	175x75	0,55	2,9	1410	460 / 1	6,0 / 6,0	4,0 / 8,0
From 5 to 6 m	175x75	0,55	2,9	1410	640 / 1	8,0 / 8,0	6,0 / 9,0

Standard equipment:

Housing with geared motor, counterbalance and a half shell of arm support.
Isolating switch, frequency converter, control unit or PLC.
Inductive sensors without contact for the arm adjustments.
Anti-condensation thermostatic heating 230 V – 32 W.
A set of keys for the maintenance door.
Installation, connection, implementation and maintenance manuals.
Reinforced aluminium arm 175 x 75 classe I

Optional equipment:

Safety magnetic loop - infrared cell – adapted logics – signage etc

LBA 86 - REINFORCED STRAIGHT OR ARTICULATED ARM

from 3 to 6 m – 175 x 75 mm

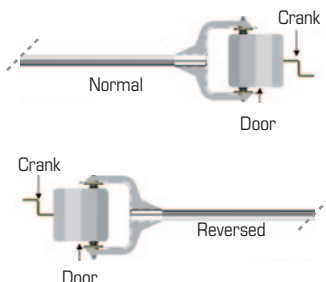
LBA 86 high resistance arm 175 x 75 mm

Type	Maximum passing width	Arm Length	Total weight	Fixed support post or moving support is compulsory
LBA 86 - 00	-	-	120 kg	-
LBA 86 ≥ 300	3,00 m	3,00 m	124 kg	no
LBA 86 > 400	4,00 m	4,00 m	132 kg	yes
LBA 86 > 500	5,00 m	5,00 m	138 kg	yes
LBA 86 > 600	6,00 m	6,00 m	142 kg	yes

Optional equipment:

- PVC sealed template frame +4 bars 16 X 250 mm+8 bolts.
- Rotative sealed template frame + 4 bars ø 16 x 250 mm + stainless steel disc + rotation kit.
- Fixed support post tube of 80 x 80 x 1200 mm.
- Fixed support post with 230 kg magnetic suction + ejector.
- Ajustable moving support from 900 to 1000 mm + spring with shock absorber
- Lower rigid skirt ø 14 mm of 3 to 6 m on stainless steel screws and junction (P3 Nylon)
- Rigid skirt on the top and folding skirt on the bottom part of the boom.
- Articulated top and bottom grid type « GTH ».
- Polyester paint of special color (RAL to be defined).
- Signage with standard models ø 450, 650.
- Motion detector on a magnetic loop, infrared cell etc.
- Local control equipment : fire brigade access control, push button box, etc.
- Specific controls : tunnels, highways, SAS, etc.
- Access control : card readers, number code keyboard, etc.
- In absence of U arm, automatic lifting < 4 m
- Solar supply possible, please contact us for further information.

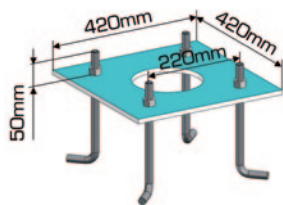
- MCBF** : 3 000 000 of cycles
(Number of average cycle without failure)
- MTBF** : 15 000 h
(Average function time without failure)
- MTRR** : 60 mn.
(Average repairing time)
- Protection** : IP 54
(Indication of protection)



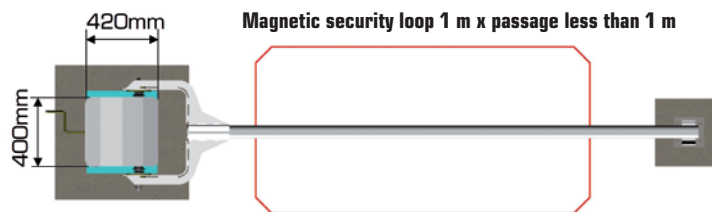
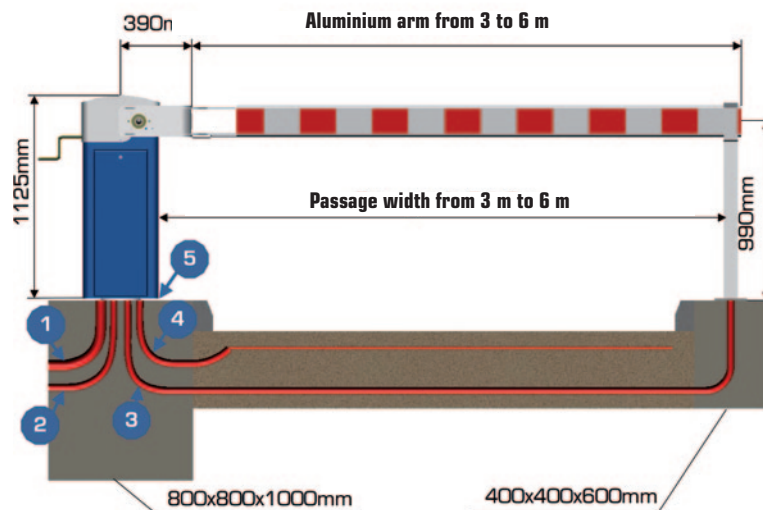
INSTALLATION

Conducts and cables:

- Power supply:**
 - Tube Ø 63 mm
 - U 1000 RO 2V 3 x 2.5 mm²
- Remote control:**
 - Green tube Ø 40 mm
 - 5 pairs 9/10 telephone cable
- Link with support:**
 - Tube Ø 30 mm
 - Infrared cell, suction magnetic, 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 mm², single-phase 230 V.
- Remote control : 5 pairs 9/10 telephone cable.