



**LA BARRIÈRE AUTOMATIQUE**

F A B R I C A N T



**LBA 63** TOLL HIGHWAYS

## THE NEW HIGHWAY REFERENCE

Reliable – Innovative – Economic - Ecological

- **Arm front unhinging “ANTI-KICKBACK” and “ANTI-IMPACT”**
  - **Automatic and controlled hinging arm**
  - **100% carbon arm up to 3,50 m**
- **Substitution of the arm in less than 1 mn, without tools**
  - **Maintenance time unequaled**
  - **Environmental respect**
  - **Feedback in IP dialog**



Specifications	Technical features
<b>Housing and maintenance door :</b>	Sheet metal DKP, thickness 2 mm, protected with cataphoresis.
<b>Cover :</b>	Sheet metal DKP, thickness 2 mm, protected with cataphoresis.
<b>Paint :</b>	Polyester powder baked at 250°, housing and door RAL 5015, cover RAL 9010.
<b>Arm :</b>	3.2 m long carbon arm, with anti-impact foam and protection sock Ø 85 mm.
<b>Gearmotor :</b>	Three-phase gearmotor 230 V, 0,25 KW reversible.
<b>Compensator :</b>	Compression compensator spring of 200 kg.
<b>Standard equipments :</b>	Barrier housing with gearmotor, compensator and arm clip. Frequency variator powered by 230V mono-phase, in 0.25 KW driving the acceleration and deceleration ramps, enabling to regulate the opening and closing speeds. Logic control PLC enabling the inductive sensors operations. Inductive sensor without contact for the barrier operation. Automatic lifting of the arm in case of power failure or vehicle impact. Information feedback on terminal : • Open barrier • Closed barrier • Unhinging arm • Others on request.
<b>Optional equipments :</b>	Front unhinging avoiding the impacts against toll highway equipments (ex : toll post, gauge height ...). Automatic hinging available with a front unhinging allowing the arm replacement without intervention. Substitution of the arm in less than 1 minute, without tools. PLC module with IP connection to give feedback information on computer network. 3,2 m long carbon arm with anti-impact foam and protection sock Ø 85 mm. Aluminium arm with or without foam, 4,00 m long, equipped with reflecting bands. Housing, door and cover in specific color. Housing support for crossing light fixation, with integrated flashing. Red / Green crossing light Ø 200 mm 230 V. Siren 24V, 90 dB. Presence detector on magnetic loop, infrared cell, ultrasonic sensor. PVC sealed template frame + 4 fixation bars + 8 bolts. Road sign “No pedestrians”. Other...

**Reliable, innovative, economic and ecological** are the words used by most highway companies to qualify the LBA 63 barrier.

As a result of an analysis of needs and the hard work of our R&D team, LBA 63 TOLL is revolutionizing the world of toll barrier highways :

**Reliable :** The main equipments come from world-famous manufacturers.

**Innovative :** its patented front unHINGING and automatic hinging systems are more effective and less dangerous for the user than all products on the market.

**Economic :** Due to its simple design, its unparalleled maintenance time, the LBA 63 has the lowest operation cost of the market.

**Ecological :** its front hinging removes the impact of the arms on the equipments located nearby. Thanks to its reliable automatic unHINGING / hinging, the number of human maintenance to the toll booths is nearly eliminated.

## TECHNICAL FEATURES

**MCBF :** 5 000 000 of cycles

(Mean cycles before failure).

**MTBF :** 15 000 h

(mean time between failures).

**MTTR :** 15 mn.

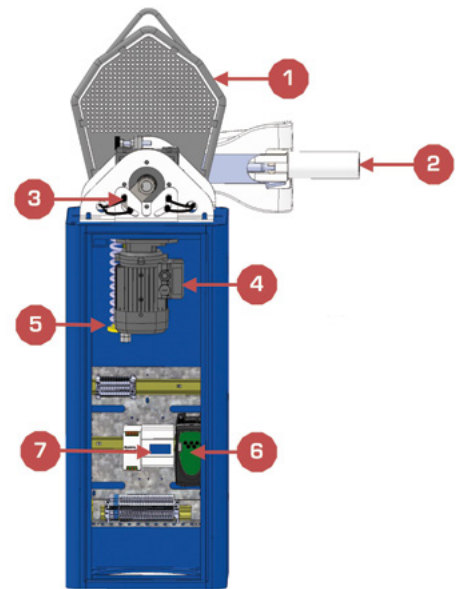
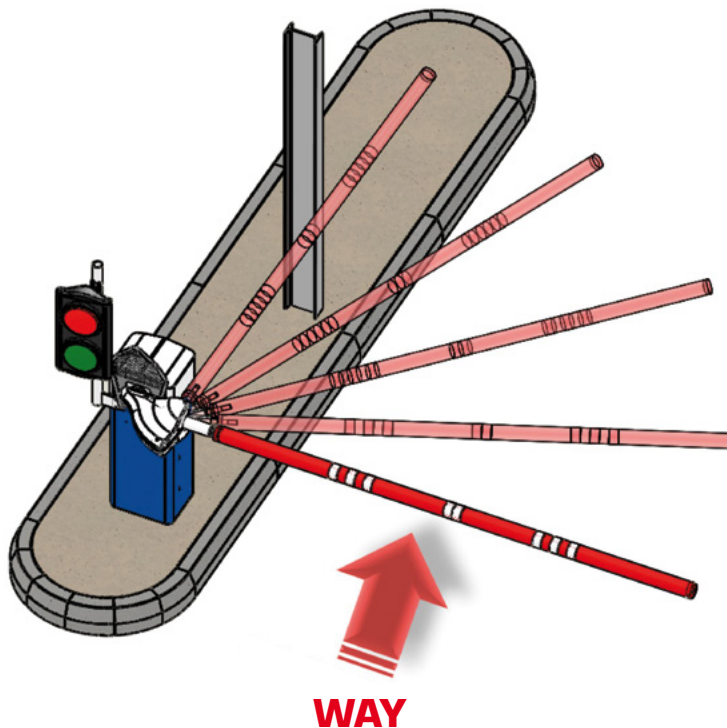
(Mean Time To Repair).

**Protection :** IP 54

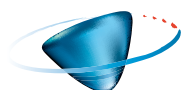
(Indication of protection).

- Replacement arm : less than 1 mn.
- Operating speed : 0,5 to 1,2 seconds.
- Weight : 60 kg.
- Operating temperature :  
- 30 to + 60° C.

**Equipment protected with an unHINGING anti-impact device**  
**Front rotation axis with integrated unHINGING and hinging.**



- 1 Hinging cam.
- 2 Front unHINGING device with schock.
- 3 End of stroke position without contact and guaranteed without wear and tear.
- 4 Reversible gear motor group granting a free maintenance.
- 5 Compensation spring working in compression ensures a large number of cycles and a complete reopening in case of undervoltage.
- 6 Frequency variator.
- 7 PLC providing a possible evolution of operation.



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