LBA 10

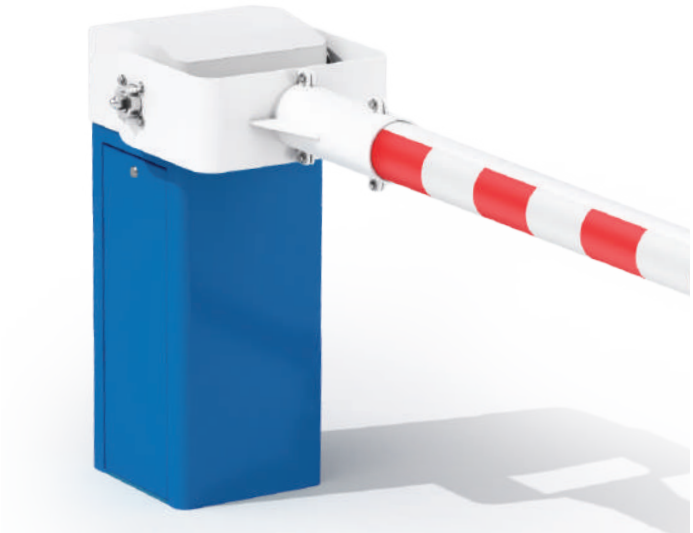
A ROBUST DESIGN FOR HGV ACCESS

BOOM BARRIER WITH HIGH STRENGTH FIBERGLASS ARM UP TO 10 M

Variable speed, adjustable from 3.1 to 10.5 seconds	Continuous operation, 10,000 cycles/day	**One-piece reinforced fibreglass boom without guy wire or aditional support elements up to 10m**	Fail safe open in the event of a power failure possible optional	Anti-impact rotary system casework optional

STANDARD CHARACTERISTICS

- **Speed:** Variable from 3.1 seconds
- **Continuous operation:** 10,000 cycles/day
- **Boom:** ø140 mm tapered axial reinforced fibreglass from 2 to 10 m / one-piece without guy wire
- **Geared motor:** Three-phase / 230 V single-phase power supply
- **Spring:** Compression counterbalance spring
- **Housing:** Cataphoresis treated steel sheet with a Ronis 405 lock + Standard RAL 5015
- **Top cover:** 2 mm thick aluminium sheet with RAL 9010 paint
- **ONE-C board:** Control board operable via wired connection or network (Modbus TCP/IP, RS485), featuring an LED interface and remote access, ensuring optimized motor management (speeds, ramps), with updates via SD card and simplified installation
- **ONE-SENSE sensor:** Cam-mounted, providing precise, real-time position tracking of the boom arm down to the nearest degree, and enabling automatic learning of end positions
- **Reduction gear:** Reversible/irreversible (to be defined)



INDUSTRY SERVICES

LBA 10

TECHNICAL SPECIFICATION

Power supply	230 V
Consumption	0.55 kW three-phase motor (irreversible) 0.25 kW three-phase motor (reversible)
Geared motor	irreversible or reversible for automatic lifting
Counterbalance	Compression spring + chain and pinion (irreversible)
Boom	Ø140 mm polyester reinforced fibreglass
Arm clamping brackets	8 mm galvanised steel
Operating time	From 3.1 sec (variable depending on options)
MCBF (number of cycles)	5 million
MTBF (hours)	15,000
MTTR (average time to repair)	30 minutes
Maximum boom length	10 m
Emergency operation	Irreversible gear motor : by hand crank Reversible gear motor : automatic lifting when tension is low
Temperature control	Anti-condensation heating (if irreversible)
Paint	Polyester powder
Overall dimensions (LxDxH)	800 x 800 x 1,000 mm
Operating temperature	-30 ° to +55 °C
IP rating	54

Boom length (m)	Passing width (m)	Weight (kg)	Arm rest
4.00	4.00	192	No
5.00	5.00	195	No
6.00	6.00	198	Yes
7.00	7.00	201	Yes
8.00	8.00	202	Yes
9.00	9.00	204	Yes
10.00	10.00	205	Yes

OPTIONS

Fail safe open in the event of a power failure

Customisation

- Special colour polyester paint (RAL to be defined)

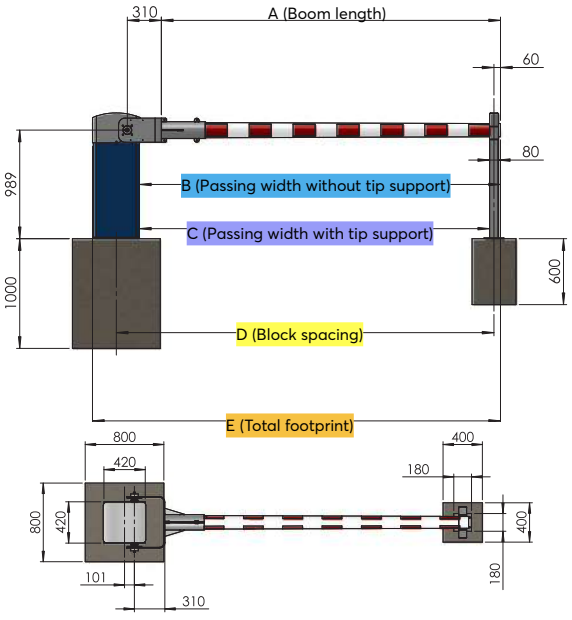
Audible & visual signals

- Lighted cover with LED lights
- Lighted boom
- Flashing lights on housing
- Flashing light on boom
- Penetration lights
- R23 red and green lights on integrated post
- Signalling via standardised panels
- Siren on passage violation

Safety

- Infrared barrier
- Reflex cell
- Loop detector
- Single or double-direction virtual loop
- Ultrasonic detector
- Galvanised anti-corrosion housing
- LAPI
- Firefighter box - Button box
- Manual anti-shock rotation device
- Motorised rotation device
- Anti-vandalism pack
- Internal anti-fraud locking (reversible)
- Programmable Cardin S 449-433 MHz 1-channel radio receiver
- Adjustable rest
- Adjustable tip support
- Internal anti-fraud locking (reversible)
- Articulated lower grille (GA)
- LBA Connect

INSTALLATION



Boom length **A** in mm	Passing width without tip support **B** in mm	Passing width with tip support **C** in mm	Block spacing **D** in mm	Total footprint **E** in mm	Open barrier height **H** in mm
A	A = B - 200	A = C - 100	A = D - 350	A = E - 630	A = H - 1,300

Power supply:

- ø63 mm janolene
- U-1000 RO 2V 3 x 2.5 mm2 cable

Remote control:

- ø40 mm green janolene
- 5 pair 9/10 core telephone cable

Arm rest connection:

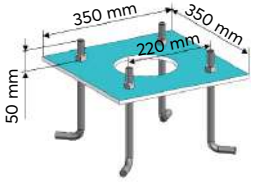
- ø30 mm tube
- Infrared cell, magnetic plunger, etc.

Magnetic loop cable:

- ø30 mm tube
- Twisted pair loop cable

Sealing template + 4 mounting rods

- The template remains level in situ and must rest entirely on solid concrete
- Tip support base plate



LA BARRIÈRE AUTOMATIQUE

For more information, contact our teams on **+33 (0)4 78 86 02 86**
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