LBA 10

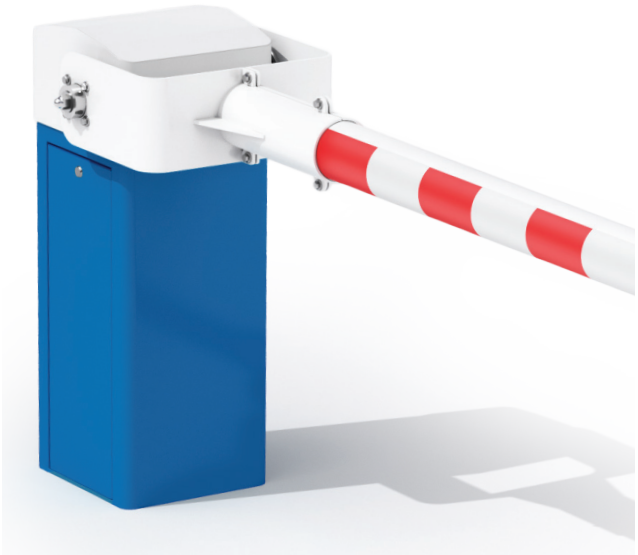
A ROBUST DESIGN FOR HGV ACCESS

BOOM BARRIER WITH HIGH STRENGTH FIBERGLASS ARM FROM 4 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 control board comprising:** Power supply, PLC, frequency converter, SD card, RJ45 (Modbus) and torque limiter
- **ONE-SENSE sensor:** Automatic motor management and control
- **Reduction gear:** Reversible/irreversible (to be defined)



INDUSTRY SERVICES

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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 reduction gear (optional)
Counterbalance	Compression spring + guide, chain and sprocket
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)	Less than 30 minutes
Maximum boom length	10 m
Emergency operation	- 11 turns of the handle and anti-restart system - Fail safe open in the event of a power failure (optional)
Temperature control	Anti-condensation heating
Paint	250 ° polyester powder coating
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)
- Local controls: fire service access control, push button box, etc.
- Galvanised corrosion-proof casework
- LBA Connect: Remote control and monitoring application

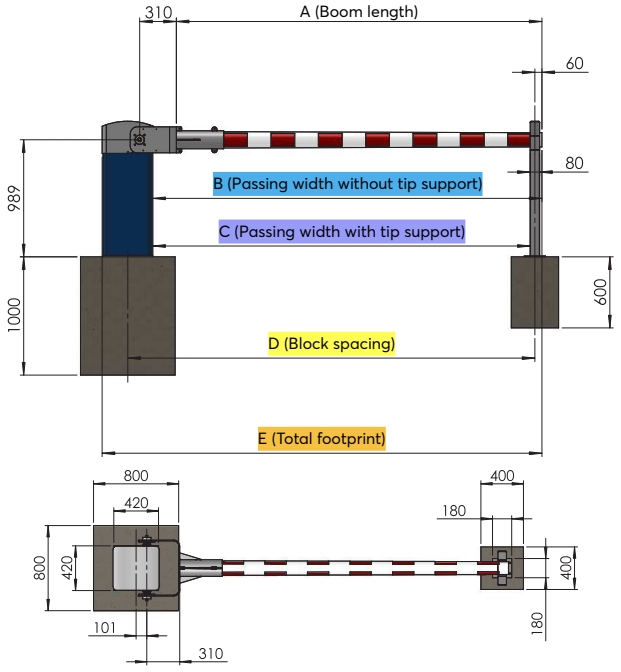
Audible & visual signals

- LED light strip on top cover
- R2 flash light on boom
- R23 lights on the integrated post
- Casework mounted flashing light
- Ø 450 mm, 650 mm standardised signs

Safety

- Infrared barrier
- Retro-reflective photoelectric cell
- Magnetic loop presence detector
- Ultrasonic detector
- Manual anti-impact rotary system
- Motorised rotary system (facilitating maintenance)
- Anti-vandalism pack
- Forced opening alarm
- Impact detection signal (casework rotation)
- 80 x 80 mm tube adjustable arm rest
- Magnetic plunger on the tip support
- Ø14 mm articulated lower skirt up to 6m
- Adjustable arm rest tilting support
- Internal anti-fraud lock (reversible)

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:

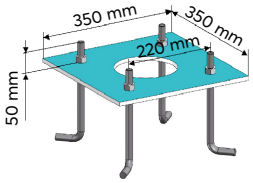
- ø30 mm tube
- Infrared cell, magnetic plunger, etc.

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



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