



## HEAVY DUTY STEEL ARM "ANTI-RAMMING VEHICLE"

From 3 to 5 m – In IPE of 180 x 90

- **Variable speed, programmable from 7 to 15 sec.**
- **Three-phase motor, power supply 230 V**
- **Adjustable rate of acceleration and braking**
- **Arm + high resistant support reinforced by support posts of 300 kg**



Specifications	Technical feature
<b>Housing and door</b>	Steel sheet 4 mm protected by galvanization with blue RAL 5015 paint, door equipped with lock « Ronis 405 ».
<b>Top cover:</b>	Steel sheet 3 mm protected by galvanization, with blue RAL 5015 paint.
<b>Paint:</b>	Polyester powder baked at 250°, housing and cover RAL 5015.
<b>Arm:</b>	Steel arm in IPE of 180 x 90 mm.
<b>Half shell:</b>	Reinforced steel of 10 mm strengthened for IPE of 180 x 90 mm.
<b>Counterbalance:</b>	Compression spring $\leq 3800\text{kg}$ + bar, chain and sprocket (replaces the counterweight).
<b>Emergency operation:</b>	Manual operation by 11 turns of the handle and an anti-restarting lock.
<b>Geared motor:</b>	Three-phase 0,55 kw driven by a frequency converter with acceleration and braking ramps and variable speed – power supply mono 230 V and output three-phase motor 230 V. Double wheel converter and worm screw, lubricated for life.

Arm m	Section mm	Drive KW	Voltage A/230V	Speed trs/mm	Variator proportion	Operation time	
						50 Hz	mini/maxi
from 3,00 to 4,00	180x90	0,55	2,9	1410	900/1	10,0/10,0	7,0/12,0
from 4,00 to 5,00	180x90	0,55	2,9	1410	1280/1	14,0/14,0	8,0/15,0

**Standard equipment:** Barrier housing equipped with geared motor and half shell.  
 Isolating switch, frequency converter, multi-program control unit PL 2024.  
 Anti-condensation thermostatic heating 230 V 32 W.  
 Galvanized and plastified steel arm type IP 180 x 90 mm + reflecting bands class II.  
 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.  
 Two supports 200 x 200 with support leg sealed on the ground

**Optional equipment:** Safety magnetic loop - infrared cell – adapted logics – signalling systems etc.

# LBA 12AVB - STEEL ARM « ANTI-RAMMING VEHICLE

From 3 to 5 m – in IPE of 180 x 90

LBA 12AVB - Road block				
Type	Maximum passing width	Arm Length	Total weight	Fixed support post or moving support is compulsory
LBA 12AVB - 00	-	-	320 kg	-
LBA 12AVB - 300	2,50 m	3,00 m	400 kg	yes
LBA 12AVB - 400	3,50 m	4,00 m	410 kg	yes
LBA 12AVB - 500	4,50 m	5,00 m	430 kg	yes

### Optional equipment:

- PVC sealed template frame +4 bars 20 X 400 mm.
- Magnetic support posts 2 x 300 kg.
- Signage with standard models ø 450, 650, 300 x 1300 m, etc.
- "High luminosity" LED flashing light, 12 V, ø 180 mm on aluminium pole
- Motion detector on a magnetic loop, infrared cell etc.
- Local control equipment : fire brigade access control, push button box, etc.
- Handle acces protected by a lock.
- Polyester paint of special color (RAL to be defined).

**MCBF** : 2 000 000 of cycles

(Number of average cycle without failure)

**MTBF** : 15 000 h

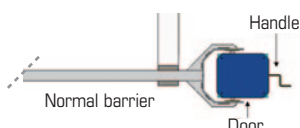
(Average function time without failure)

**MTTR** : 60 mn.

(Average repairing time)

**Protection** : IP 54

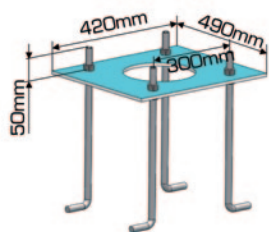
(Indication of protection)



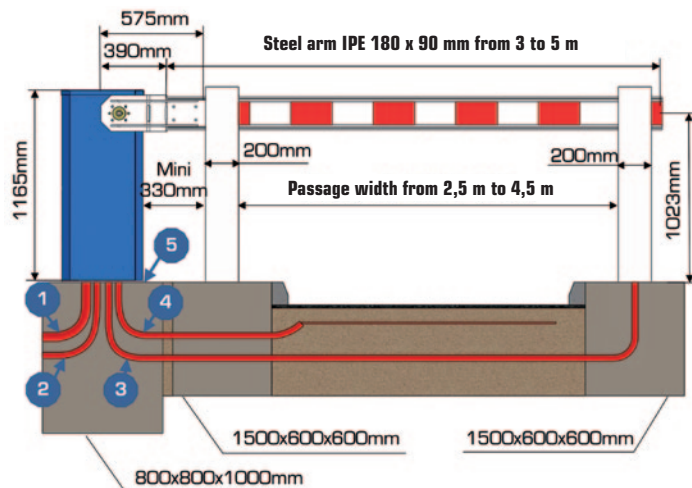
## INSTALLATION

### Conducts and cables:

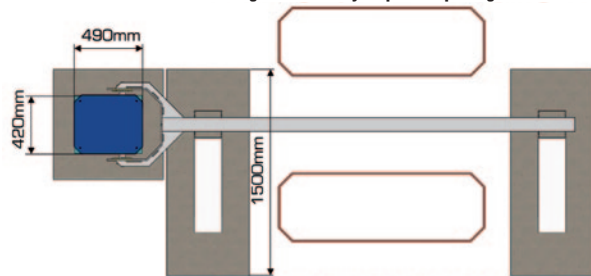
- Power supply:**
  - Tube Ø 63 mm
  - U 1000 RO 2V 3 x 2.5 mm<sup>2</sup>
- Remote control:**
  - Green tube Ø 40 mm
  - 5 pairs 9/10 telephone cable
- Link with support:**
  - Tube Ø 30 mm
  - Infrared cell, suction magnetic, etc
- Magnetic loop tail:**
  - Tube Ø 30 mm
  - Cabled loop tail
- Sealing template frame:**
  - 10 mm PVC base frame
  - 4 anchoring bars Ø 20 X 400mm



The template has to be levelled and must completely rest on the concrete foundation. Distance between each embedded shafts : 300 X 300 mm



### Magnetic security loop 1 m x passage less than 1 m



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## WORK TO BE CONDUCTED BY THE INSTALLER :

- Concrete foundation with sealing template frame and 4 shafts Ø 20 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.