



Product Data Sheet

High Resistant Vehicle Barrier PS-VBLB-86

Public, residential and Industrial Reinforced Protection

The PS-VBLB-86 has been designed to provide areas that require higher levels of security a purpose built vehicle access barrier. The PS-VBLB-86 is designed for 10000 cycles per day and provides special “Anti-Shock” rotation and high shock resistance features for long term strength and reliability.

Specifications	Technical features																										
Housing and maintenance door:	Steel sheet 3 mm protected with cataphoresis, blue paint RAL 5015, door equipped with a Ronis 405 lock.																										
Top over:	2 mm aluminium sheet with phosphate coating, with RAL 9010 paint.																										
Paint:	Polyester powder baked at 250°, housing RAL 5015, top cover RAL 9010.																										
Arm from 3 to 6:	Reinforced aluminium arm 180 x 118 mm, lacquered white + red reflecting bands.																										
Counterbalance:	Compression spring + lever arm and oscillating spring shelf (replaces the counterweight).																										
Emergency operation:	Manual operation by 11 turns of the handle and an anti-restarting lock.																										
Geared motor:	Three-phase 0,25 kw - 230V (Δ) with motor driven by a frequency converter Bevel gears speed reducer																										
	<table border="1"> <thead> <tr> <th rowspan="2">Arm m</th> <th rowspan="2">Oval mm</th> <th rowspan="2">Drive KW</th> <th rowspan="2">Voltage A / 230V</th> <th colspan="2">Operation time (sec)</th> </tr> <tr> <th>mini</th> <th>maxi</th> </tr> </thead> <tbody> <tr> <td>From 3 to 4 m</td> <td>180 x 118</td> <td>0,25</td> <td>1,5</td> <td>2.0</td> <td>4.0</td> </tr> <tr> <td>From 4 to 5 m</td> <td>180 x 118</td> <td>0,25</td> <td>1,5</td> <td>4.0</td> <td>8.0</td> </tr> <tr> <td>From 5 to 6 m</td> <td>180 x 118</td> <td>0,25</td> <td>1,5</td> <td>6.0</td> <td>9.0</td> </tr> </tbody> </table>	Arm m	Oval mm	Drive KW	Voltage A / 230V	Operation time (sec)		mini	maxi	From 3 to 4 m	180 x 118	0,25	1,5	2.0	4.0	From 4 to 5 m	180 x 118	0,25	1,5	4.0	8.0	From 5 to 6 m	180 x 118	0,25	1,5	6.0	9.0
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Standard equipment:	Housing with geared motor, counterbalance and a half shell of arm support. Isolating switch, frequency converter, PLC. Inductive sensors without contact for the arm adjustments. Anti-condensation heating 230 V – 32 W. A set of keys for the maintenance door. Installation, connection, implementation and maintenance manuals. Reinforced aluminium arm 180 x 118 + reflecting bands class 1.																										
Optional equipment:	Aluminium housing - Arm 135 x 93mm - Safety magnetic loop free exit - infrared cell – adapted logics – articulated arm - in absence of U, automatic lifting arm ≤ 6m with arm 180x118mm and ≤7,5m with arm 135x93mm, etc...																										

PS-VBLB-86 - reinforced straight arm

from 3 to 6 m – 180 x 118 mm

PS-VBLB-86 STANDARD Oval Arm

Type	Maximum passing width	Arm Length	Total weight	Fixed support post or moving support is compulsory
PS-VBLB-86 - 00	-	-	155 kg	-
PS-VBLB-86 ≥ 300	3,00 m	3,00 m	167 kg	no
PS-VBLB-86 > 400	4,00 m	4,00 m	171 kg	yes
PS-VBLB-86 > 500	5,00 m	5,00 m	175 kg	yes
PS-VBLB-86 > 600	6,00 m	6,00 m	179 kg	yes

Optional equipments:

- PVC sealed template frame + 4 bars 16 X 250 mm + 8 bolts.
- Rotative sealed template frame + 4 bars ϕ 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 800 to 1000 mm + spring with shock absorber.
- Lower rigid skirt ϕ 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 » (with arm 175x75 mm).
- Polyester paint of special color (RAL to be defined).
- Signage with standard models.
- 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.
- Solar supply possible, please contact us for further information.
- Internal locking.
- Anti-vandal pack.
- Anti-vandal support post
- Electromechanical locking in the support post.

Mean cycles before failure

3 000 000 cycles

Mean time between failures

15 000 hours

Mean time to Repair

60 minutes

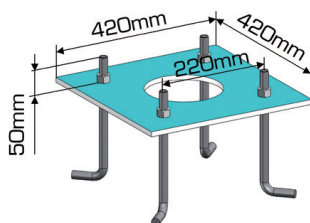
Protection

IP54

INSTALLATION

Conducts and cables:

- Power supply:**
 - Tube ϕ 63 mm.
 - U 1000 RO 2V 3 x 2.5 mm²
- Remote control:**
 - Green tube ϕ 40 mm.
 - 5 pairs 9/10 telephone cable.
- Link with support:**
 - Tube ϕ 30 mm.
 - Infrared cell, suction magnetic, etc.
- Magnetic loop tail:**
 - Tube ϕ 30 mm.
 - Cabled loop tail.
- Sealing template frame:**
 - 10 mm PVC base frame.
 - 4 anchoring bars ϕ 16 X 250 mm.



The template has to be levelled and must completely rest on the concrete foundation. Distance between each embedded shaft : 220 X 220 mm.

