

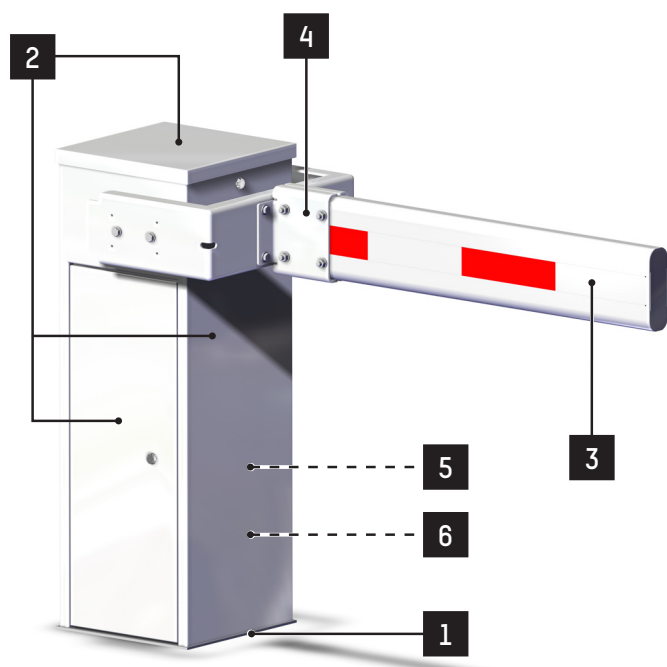
BL 244

Technical datasheet

Rev. 05 • Update 04/2025

AUTOMATIC
SYSTEMS

ParkPlus



ParkPlus 244 is a fast and antivandal rising barrier for the control of vehicles in the parking.

STANDARD RAL COLOURS



RAL 2000
Orange



RAL 3020
Red



RAL 7016
Anthracite grey



RAL 9010 (*)
White

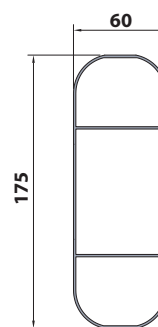
(*) Standard color.

All other colors must be specified when ordering.

Note: These RAL references are available for free.

DESCRIPTION

1. Steel sole with anti-corrosion treatment with polyester paint.
2. Steel housing, door and hood with anti-corrosion treatment and polyester paint RAL 9010.
3. Central semi-reinforced and aluminum arm (175 x 60 mm), lacquered white (RAL 9010) with red reflective strips.

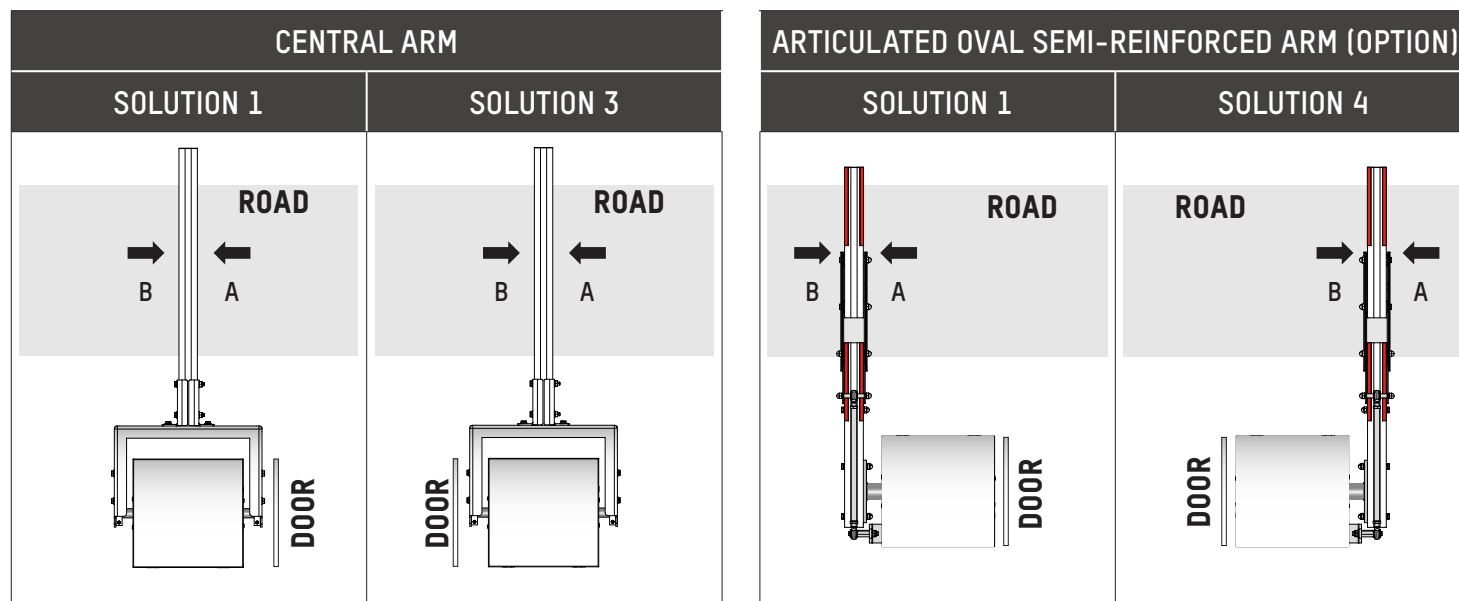


4. Drive shaft directly driven by reduction motor eliminating all complicated adjustments and the risk of breakdown.
5. Electromechanical assembly including:
 - Three-phase reversible reduction motor brake, lubricated for life, ensures the perfect protection of the mechanism in case of malicious forced lifting.
 - Auto-aligning bearing block lubricated for life.
 - Variable frequency drive ensuring progressive accelerations, short circuit protection, grounding, overcurrent and thermal protection of the reduction motor.
 - Electronic limitation of the electromechanical assembly torque allowing immediate stopping of the arm during closing in case of an obstacle.
 - Balancing of the arm by means of compensating springs, according to the weight of the arm.
6. Electronic control board offering 10 inputs + 3 outputs + 2 relays configurables:
 - Adjustable opening and closing speed.
 - Arm position status (open or closed).
 - Technical fault information report.
 - Human/Machine interface with dipswitches, potentiometers, push button and Leds.
 - Ethernet interface.
 - Socket for presence detector (2 loops).
 - Communication with MODBUS form.



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CONFIGURATIONS



STANDARD TECHNICAL CHARACTERISTICS

Power supply	Single-phase 230 VAC - 50/60 Hz + ground ⁽¹⁾
Consumption	During motion: 450 W max. At rest: 44 W (Depending of options)
Motor	Three-phased 230 V/250 W
Free passage (L)	from 2 to 4 m
Operating time	Adjustable from 1.2 to 3 s (Allowing the passage of 1500 vehicles/h)
Ambient operating temperature	From -25 to +60°C
Relative ambient humidity	95% max, without condensation
MCBF (Mean cycles between failures)	5,000,000 cycles, in compliance with recommended maintenance
Weight	100 kg (without arm) - Arm: 15 kg max
IP rating	IP54
CE	Complies with European standards

(1) Not to be connected to a floating network or to high impedance earthed industrial distribution network.

WORK TO BE PROVIDED BY THE CUSTOMER

- Ground installation
- Power supply
- Wiring to any external devices.

Note: Follow the installation plan.

OPTIONS

ARMS

- Articulated semi-reinforced oval arm (lateral arm).
- Automatic opening of the arm in case of power failure (AVR).
- Limit switch for info - Arm position in case of power failure.

TIP SUPPORT

- Height adjustable tip support.
- Electromagnetic tip support - Ø80mm or Ø84mm arm.
- Electrolocked tip support.
- Rotating base (alternative to swing off device) - 1 position sensor.

SECURITY & SAFETY

- Opening protection of both cover & door - Information by a dry contact.

CONTROL & COMMAND

- Push button box - 2 buttons (opening / closing).
- Push button box - 3 buttons (opening / closing / stop).
- Push button box - 2 push buttons + 1 switch (3 positions) ⁽¹⁾
- Key switch on the housing. ⁽²⁾
- Radio transmitter - 2 channels.
- Radio receiver - 2 channels. + Antenna.
- Radio transmitter - 4 channels.
- Radio receiver - 4 channels. + Antenna.
- Inductive loop for detection for car or truck.
- Presence sensor on rail - Double channel.
- Photo-electric cell - Transmitter / Receiver or Reflex).
- Support post for photo-electric cell (H = 0.7m)
- Cell mounting - Transmitter + Receiver or Reflex
- Ultrasonic detector installed in the housing. ⁽³⁾
- Ultrasonic detector with protective cover included. ⁽³⁾
- Human Machine Interface colour screen with keypad for AS1620 logic board (AS1621).
- Ethernet interface (AS1622).
- SD memory card for AS1620 Ethernet board - Industrial grade.
- Input / output (I/O) extension card for AS1620 logic board (AS1623).
- Totalling counter (number of vehicle operations or with resetting).
- Counter / Count down (parking : in - out = total).
- Integration kit for ANPR camera Survision Nanopak with 24V DC power supply (camera not included). ⁽⁴⁾
- Laser sensor - On separate post.
- Laser sensor - fixed on barrier housing.
- Remote control for laser sensor.
- Reference point for laser sensor fixed on post.
- Reference point for laser sensor fixed on tip support.

SIGNALISATION

- LEDs on arm - Per pair (Flashing lights (red) when closed).
- Traffic lights (Ø 100mm) - Red/green LEDs - Supply.
- Traffic lights (Ø 100mm) - Red/green LEDs - Fixed on a support post on the barrier.
- Traffic lights (Ø 200mm) - Red/green LEDs - Supply.
- Traffic lights (Ø 200mm) - Orange LEDs - Supply.
- Support post (H = 2.7m) for traffic lights - Supply.
- Acoustic alarm 100dB (internal mounting) during the barrier closing movement.
- LED boom lighting for arm up to 3M and to 4 m.
- Integrated display module for semi-reinforced and reinforced arms.
- Aluminium composite traffic sign (Ø 300mm).
- LED flashing light on the cover. ⁽⁵⁾
- LED flashing light on the cover with protective guard. ⁽⁵⁾
- Vandal-proof LED module on the cover.

AESTHETIC

- Non standard colour.
- Customer logo.
- Treatment for aggressive saline environment. ⁽⁶⁾
- Raised base in RAL 9005 painted steel.

POWER SUPPLY

- Power supply 120V - 50/60Hz.

ENVIRONMENT

- Thermostatic heating - Heating for operation until -45°C.
- IP55 tightness kit.

Note : For restrictions on options, please contact us.

(1) Opening / Closing / Switch: in auto mode or in manual mode.

(2) Automatic / Locked open / Locked closed.

(3) Not considered as a safety device if used alone.

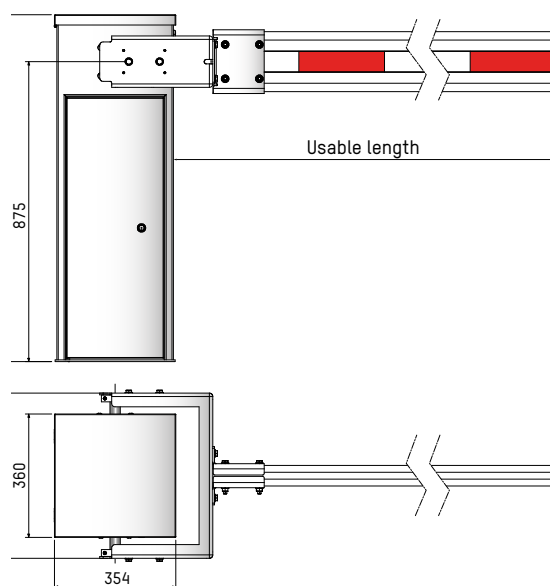
(4) Assembly carried out by AS if the camera is supplied by the customer.

(5) Flashing when opening/closing movement and when open or Off when closed.

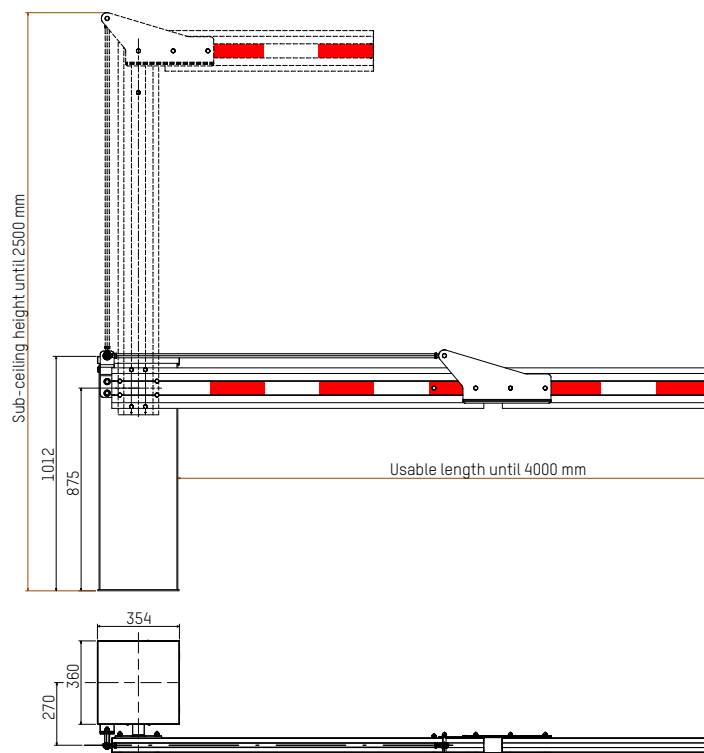
(6) Recommended for an installation within 10 km of the coast: sandblasting + Alu Zinc plating 80µm outside (40µm inside) + polyzinc 80µm + 80µm powder coat.

DIMENSIONS STANDARD (mm)

BL 244



ParkPlus 244 with articulated arm (option)



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