The swinging barrier type BP56 electromechanically operated has been specially developed for the applications in traffic management. It can function autonomously or be integrated into a system which regulates traffic on motorways, tunnels, mobile bridges etc....

1. Column shaft in sheet steel of 3 to 10 mm thickness, welded and shaped.
2. Door providing access to the mechanism with safety lock and 2 keys.
3. Removable upper capping, secured internally.
4. Electromechanical unit comprising:
   - asynchronous 3-phase motor,
   - speed reduction gearbox with worm screw, life-lubricated,
   - transmission between the motor and gearbox by means of trapezoidal pulleys and V-belt,
   - adjustable friction torque regulated by Ferodo disks,
   - transmission of movements by means of a crankshaft/rod device ensuring smooth progressive acceleration and deceleration and mechanical locking of the arm in extreme positions,
   - emergency crank with safety circuit breaker for manual operation of the barrier in the event of a power failure.
5. Aluminium barrier arm with reinforced oval section, 100 x 175 mm high, white enamelled with red reflecting stripes. The maximum length of the barrier arm is 8 m but will be reduced depending on the type signalisation used on the barrier arm and the operational site of the barrier, notably those which are particularly susceptible to strong winds (maritime zones etc...)
6. Programmable electronic control board type AS1320 allowing various control operations and/or complementary accessories. The logic is placed in a waterproof casket. Electrical protection is secured by a bipolar circuit-breaker.
7. Frame to be embedded in a concrete base.
### Treatment of surfaces
- Internal mechanical items: electrozinc coating.
- Complete housing: phosphating with zinc and cataphoresis + 1 coat of 2-component epoxy anti-rust primer + 1 coat of 2-component polyurethane top coat. 

### Standard technical features
- Power supply: single phase 230 V, 50/60 Hz.
- Electro-motor: asynchronous, 3-phase, 0.25 kW.
- Nominal consumption: 350 W.
- Ambient operational t°: from -20° up to +50° C.
- Mechanical endurance: 1,500,000 cycles (with normal maintenance).
- Net weight including boom: from 380 to 400 kg (depending on arm’s length without options).
- Arm length: 3 to 8 m (without options).
- Opening speed: 9 seconds.
- IP 03.
- EC norms compliant.

### Options
- Stop traffic sign.
- Push button(s) box.
- Radio transmitter/receiver.
- Inductive loop for detection.
- Presence detector.
- Electronic board for CAN Input/Output.
- Electronic board for third-party traffic lights.
- 120 VAC, 60 Hz power supply (reduces performances).
- Non standard RAL colour.

### Work to be supplied by the customer
- Power supply.
- Concrete base, structural and any necessary foundation works.
- Electrical wiring connecting the barrier with its command modules: push button control box(es), key operated switch, etc ....

### Standard dimensions (mm)

![Diagram showing the dimensions of the product and its parts, including the impact of arm length and opening speed.](image-url)