

STOPPY

anti-transiting
retractable
bollard

D831866 00002 Rev. 01

STOPPY A CHAMPION IN MOBILITY

The electromechanical controller requiring simple installation and limited maintenance



- Practical, sturdy and functional
- Increased security for banks, post offices and guarded car parks
- Indispensable for pedestrian areas and limited traffic areas
- Minimum environmental impact for town centres and historical areas

All the advantages of STOPPY



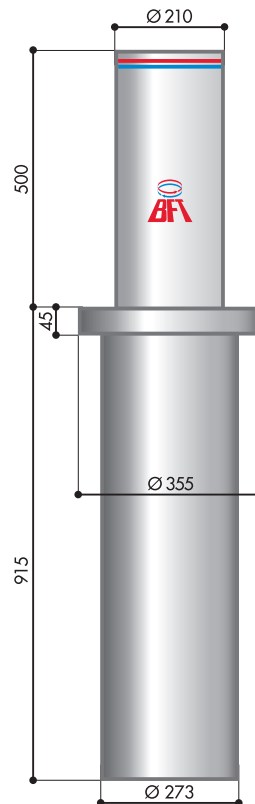
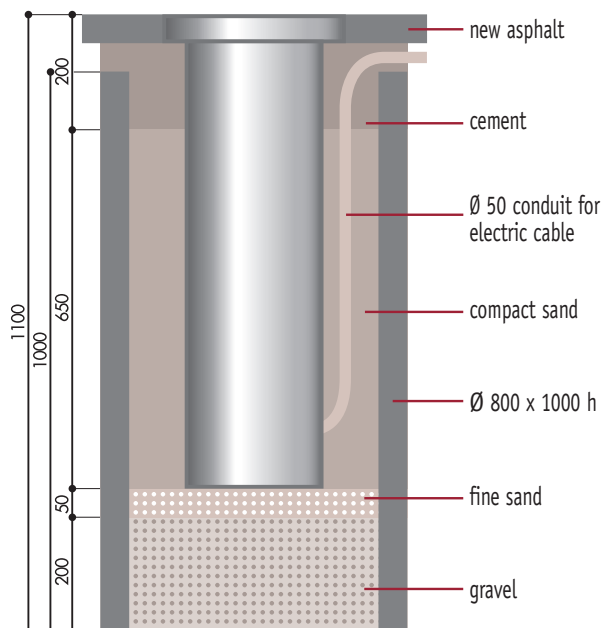
Advanced mechanics

STOPPY exploits the whole BFT experience in the automation world. Its electromechanical motor offers excellent performance with a simple mechanism, easy to install and extremely easy to maintain in constantly perfect efficiency.

Specialised in security

STOPPY was created to protect – constructed with the **sturdiest materials available**, it is perfect for the areas outside banks, jewellers, exhibition halls and **all those places requiring maximum security**.

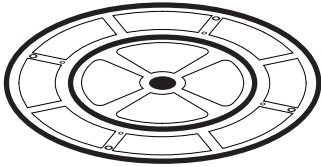
Example of foundation diagram



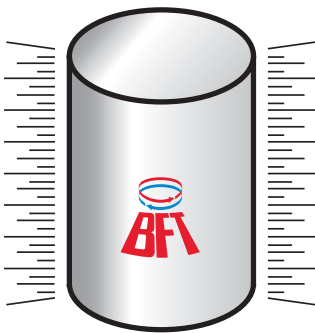
(Measurements are expressed in mm)

Guaranteed against emergencies

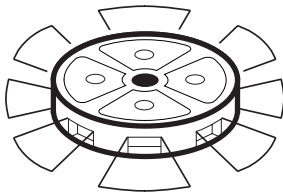
A battery, provided on request, allows STOPPY to remain raised even when the power is disconnected, therefore ensuring protection of the transiting area. When the battery is not available, a slight pressure allows STOPPY to retract automatically to ground level without creating any obstruction.



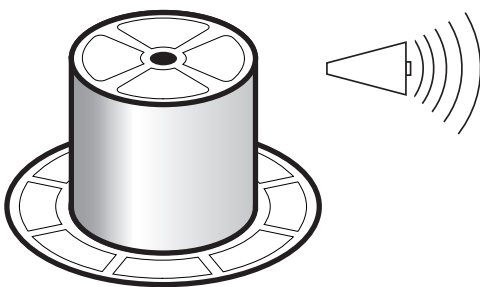
Perfect alignment



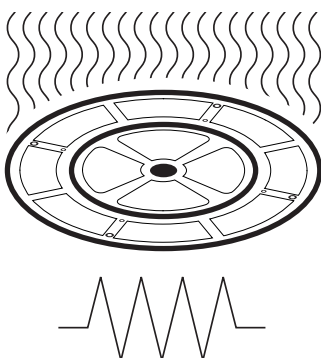
Reflecting surface



Signal indication lights



Antitheft kit



Resistor kit

Technology and style

Longer lasting motor

The opening and closing movement lasts 6 seconds, and has a slow-down function which ensures longer lasting life for all mechanical components.

Hold electric brake

Facilitates emergency manoeuvre with power supply off.

Perfect alignment

When closed, STOPPY is perfectly level with the ground. Four adjusting screws ensure centring.

Reflecting surface

A visual security area around the bollard makes it more visible even at night-time.

Signal indication lights

8 radial and 4 axial LEDs, which can be set as fixed or blinking, are positioned around the top cap to make the bollard more obvious in all conditions.

STOPPY is provided with all the connections required to manage a traffic-light device.

Accessories: from antitheft to heating

Antitheft kit

For protection against any attempt to tamper with the bollard, a special device is activated which sends a signal connected to an alarm or antitheft system.

Resistor kit

For protection against cold and frost, and the consequent risk of system locking, an electric resistor is activated which raises the temperature and maintains the actuator perfectly efficient.

Accessories must be requested at the time of ordering, so that they can be assembled before delivery.

Technical specifications

motor	Voltage Thermal protection Absorption and capacitor Power and speed Operating cycle Working temperature Degree of protection	230V \pm 10%; 50 - 60 Hz 130° 1,2 A with 8 μ F (a 230V) 0,12 kW (0,16 HP); 2.800 RPM 75% 3.000 manoeuvres a day - 15° + 60° IP 67
reduction gear	Reversible mechanism Working time Working speed Lubrication Max. lifting push Manual manoeuvre	worm screw and ball recirculation lead nut; 5mm pitch; in oil 6 sec. 0,077 m/s oil bath 700 N (~ 70 kg) tends to lower spontaneously with power supply off
control panel	Model Movement stopping Programs Device	Perseo; microprocessor logic Slow-down and control management by means of parking electric brake 24 Vdc; 16 W; 650 mA town-planning residential and apartment-block use suitable for controlling a max number of four retractable bollards simultaneously. Management of security, alarm, lights and traffic lights
container and rod	Cylinder to be fitted underground Rod protruding above ground level Treatment and coating Resistance to saline spray Degree of protection Resistance to frontal impact Axial load "Rod lowered" Packed Packed weight	\varnothing 273 x 915 mm h; hot-galvanised \varnothing 210 x 500 mm h; in 60/10-thick drawn steel with cathoporesis + yellow or white printed reflecting material 700 hours (CERMET certification) for all electrical and motion transmission components IP 67 probable 50% breakage with an impact of 5000 Joule at 300 mm above ground level with rod raised 3000 N (~ 300 kg) max; with rod lowered 150000 N (~ 15000 kg) max detection by means of "REED" type magnetic sensor; IP67 Ecological carton packing on pallet = 360mm l x 360mm w x 1100 mm h 90 daN (kg)
accessories	Heating resistor Antitheft detector	Internal radiator with thermal sensor; 230V \pm 10% max by means of "REED" type magnetic sensor; IP67