

# STOPPY

Rising bollard

Practical, sturdy and functional

Increased security for banks, post offices and guarded car parks

Indispensable for pedestrian areas and limited traffic areas

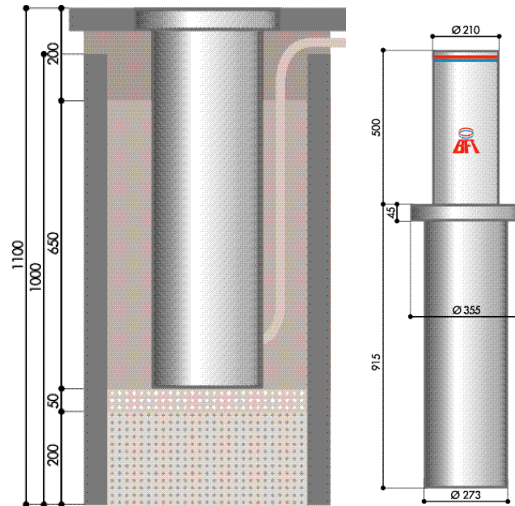
Minimum environmental impact for town centres and historical areas





# STOPPY

## Rising bollard



- **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.
- **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.

## Technical specifications

### Motor

Voltage	230V ± 10%; 50 - 60 Hz
Thermal protection	130°
Absorption and capacitor	1,2 A with 8µF (a 230V)
Power and speed	0,12 kW (0,16 HP); 2.800 RPM
Operating cycle	75% 3.000 manoeuvres a day
Working temperature	- 15° + 60°
Degree of protection	IP 67

### Reduction gear

Reversible mechanism	worm screw and ball recirculation lead nut; 5mm pitch; in oil
Working time	6 sec.
Working speed	0,077 m/s
Lubrication	oil bath
Max. lifting push	700 N (~ 70 kg)
Manual manoeuvre	tends to lower spontaneously with power supply off

### Container and rod

Cylinder to be fitted underground	ø 273 x 915 mm h; hot-galvanised
Rod protruding above ground level	ø 210 x 500 mm h; in 60/10-thick drawn steel
Treatment and coating	with cataphoresis + yellow or white printed reflecting material
Resistance to saline spray	700 hours (CERMET certification)
Degree of protection	for all electrical and motion transmission components IP 67
Resistance to frontal impact	probable 50% breakage with an impact of 5000 Joule at 300 mm above ground level
Axial load	with rod raised 3000 N (~ 300 kg) max; with rod lowered 150000 N (~ 15000 kg) max
"Rod lowered"	detection by means of "REED" type magnetic sensor; IP67
Packed	Ecological carton packing on pallet = 360mm l x 360mm w x 1100 mm h
Packed weight	90 daN (kg)

## 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.

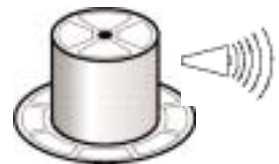


STOPPY is provided with all the connections required to manage a traffic-light device.

## Accessories

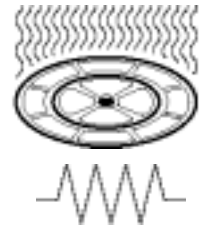
### Antitheft kit

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.



### Control panel: PERSEO

**Model Perseo:** microprocessor logic

**Movement stopping:** Slow-down and control management by means of parking electric brake 24 Vdc; 16 W; 650 mA

**Programs:** town-planning residential and apartment-block use

**Device:** suitable for controlling a max number of four rising bollards simultaneously. Management of security, alarm, lights and traffic lights

*For system composition and installation refer to the regulations in force in the country where the system is being installed.*

*The indicated data are not binding. BFT reserves the right to make modifications without prior notice.*