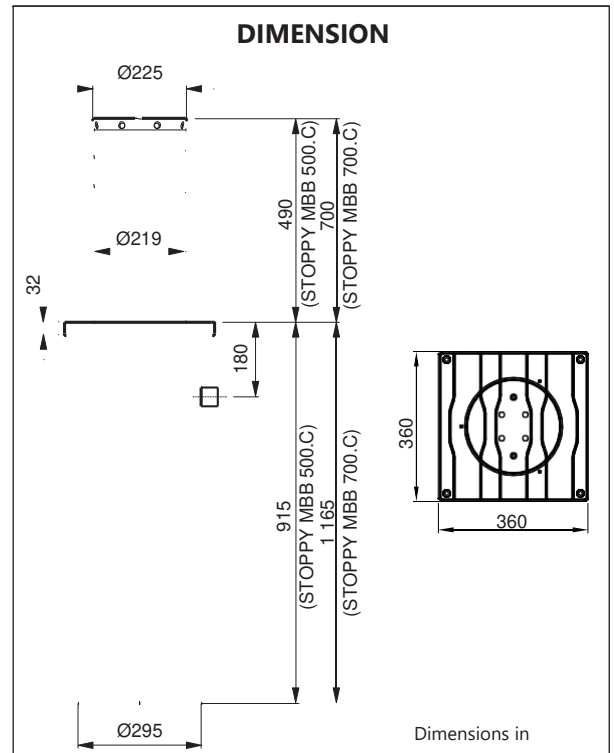


PRODUCT DATASHEET

STOPPY MBB 219-500.C / 219-700.C

Electromechanical bollard

Automatic electromechanical retractable bollards for the protection and safety of all areas requiring controlled entry. Ideal for contexts of particular architectural value, they ensure lasting maximum reliability and require minimal maintenance.



- **Automatic electromechanical retractable bollards for intensive use**

- Actuator in oil
- Break-in resistance: **150 000 J**
- Impact resistance: **15 000 J**
- Work time: **6.0 s** for STOPPY MBB 500.C; **9.0 s** for STOPPY MBB 700.C
- Max operating frequency: up to **1 500 op./day**
- MCBF: **1 000 000 cycles**
- Electric parking brake to stem high
- Limit switches
- Rod position with magnetic sensor
- Bollard top cover with led lights and buzzer (optional)
- Bollard will open the passage in case of power loss
- Electrical emergency unit for upper stem position maintenance (optional)

REFERENCE STANDARDS

2004/108/CEE; 93/68/CEE (EN55014-1;
EN55014-2) • Electromagnetic Compatibility
2006/95/CEE; 93/68/CEE (EN60335-1(2002)) •
Low voltage
2006/42/CEE (EN60204-1) • Machinery directive
99/5/CEE (ETSI EN 301 489-3 (2002) + ETSI EN 301 498-1 (2005); ETSI EN 300 220-2
(2006)) •
Radio set (tested with the electronic control unit PERSEO CBE)

TECHNICAL-ENVIRONMENTAL MAIN FEATURES		
Driven rod out of the ground	STOPPY MBB 500.C: Ø219 x h.490 mm (±3mm) x th.5mm steel Fe 360 (S 235 JR) *	STOPPY MBB 700.C: Ø219 x h.700 mm (±3mm) x th.5mm steel Fe 360 (S 235 JR) *
Buried structure	STOPPY MBB 500.C: Ø295 x h.915	STOPPY MBB 700.C: Ø295 x h.1 165
Foundation	Concrete	
Excavation	STOPPY MBB 500.C: 1 500 x 1 500 x h.1 300mm	STOPPY MBB 700.C: 1 500 x 1 500 x h.1 400mm
Break-in resistance	150 000 J	
Impact resistance	15 000 J	
Allowable axial static load	Bollard up max 5 000 N; bollard down max 150 000 N	
Driven rod treatment	Cathaphoresis and coating RAL7015 standard, other colour on request	
Passive visibility	Reflective film H=100 mm **	
Flange	Cast iron, cataphoresis black	
Top cover	Cast iron, cataphoresis black	
Actuator	Reversible; in oil	
Power	230 Vac ±10%, 50-60 Hz	
Working time	STOPPY MBB 500.C: 6.0 s (50 Hz)	STOPPY MBB 700.C: 9.0 s (50 Hz)
Working temperature	-40°C *** +60°C	
Operating humidity	up to 100%	
IP grade	IP67	
Hand operation	In case of power failure the bollards goes down spontaneously	
Net weight	STOPPY MBB 500.C: 78 kg	STOPPY MBB 700.C: 92 kg
Gross weight	STOPPY MBB 500.C: 82 kg	STOPPY MBB 700.C: 96 kg

*Option, AISI304 or AISI316

**Customizable (optinal)

***With integrated heater active

Electrical Features	
Control unit	PERSO CBE
Power	1-phase 230 Vac \pm 10%, 50-60Hz (115 Vac with optional adapter)
IP grade	IP54
Working temperature	-40°C to +60°C
Operating humidity	Up to 95% non condensing
Use	Max.4 for each control unit. Parallel control wiring possible for driving many groups of bollards.
Power absorbed	0,30kW for each bollard
Stopping movement	Electric brake; 24Vdc - -20 W (sustained 12Vdc – 5 W)
Signalling (optional)	On the top with high intensity LED's, and buzzer
Sensors	Open passage, closed passage, antitampering switch (option)
Local/remote control	*digital inputs *Radio remote control *RS485, TCP/IP(Option)

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

ITEM SPECIFICATION

Electromechanical bollard for intensive use. Available in two sizes:

-Driven rod out of the ground \varnothing 219xh490xth5mm steel Fe 360(S235JR), cataphoresis and coating. IP 67. Reflective film H 100mm. Break-in resistance up to 150 000 J. Rod position type magnetic sensor. Working temperature up to -40 °C to +60 °C. Working time 6.0s with limit switches. Power 230Vac \pm 10% 50-60 Hz. Control unit suitable for controlling a maximum of 4 bollards simultaneously. Power absorbed 0.30kW for each bollard. Electric brake; 24 Vdc -20 W (sustained 12 Vdc – 5W). In case of power failure the bollards go down spontaneously.

-Driven rod out of the ground \varnothing 219xh700xth5mm steel Fe 360 (S235 JR), cataphoresis and coating. IP 6. Reflective film h 100mm. Break-in resistance up to 150 000 J. Rod position type magnetic sensor. Working temperature up to -40°C to +60°C. Working time 9.0 s with limit switches. Power 230 Vac \pm 10%, 50-60 Hz. Control unit suitable for controlling a maximum of 4 bollards simultaneously. Power absorbed 0,30 kW for each bollard. Electric brake; 24Vdc (sustained 12Vdc – 5 W). In case of power failure the bollards will go down spontaneously.