

PRODUCT DATASHEET

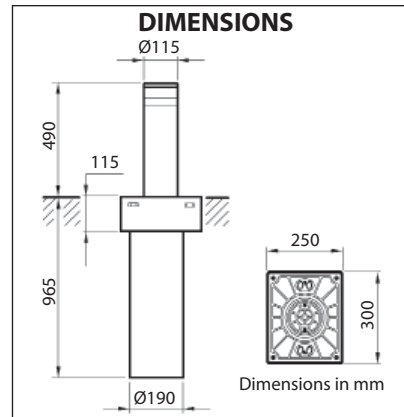
EASY Ø115/500 - EASY Ø200/700

Automatic electromechanical bollard

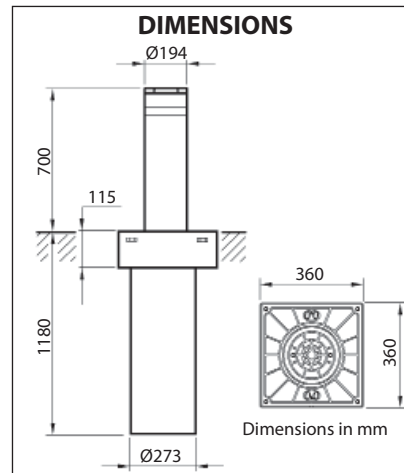
Designed in two versions for installation in spaces for collective use:

- EASY Ø115-500 for private context (parking space saver, access to private homes, garages, etc.)
- EASY Ø200-700 for collective contexts (condominiums, hotels, etc.)

EASY Ø115-500



EASY Ø200-700



• Automatic electromechanical retractable bollards for intensive use

- Actuator in permanent grease
- Break-in resistance: **60 000 J** for EASY Ø115-500; **110 000 J** for EASY Ø200-700
- Work time: **6.0 s** for EASY Ø115-500; **9.0 s** for EASY Ø200-700
- Max operating frequency: up to **500 op./day**
- MCBF: **400 000 cycles**
- Electric parking brake to stem high
- Limit switches
- Rod position with magnetic sensor
- Cap with LED light for EASY Ø200-700 version
- It lowers manually with power cut-off
- Electrical emergency unit for maintaining high stem (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 CDS)

TECHNICAL-ENVIRONMENTAL MAIN FEATURES

Driven rod out of the ground	EASY Ø115-500: Ø115 x h.480 mm (±2mm) x th. 4mm steel Fe 360 (S 235 JR) * EASY Ø200-700: Ø194 x h.700 mm (±2mm) x th. 6mm steel Fe 360 (S 235 JR) *
Buried structure	EASY Ø115-500: 250 x 300 x h.965mm EASY Ø200-700: 360 x 360 x h.1180mm
Foundation	Concrete
Excavation	EASY Ø115-500: 800 x 800 x h.1200mm EASY Ø200-700: 800 x 800 x h.1400mm
Break-in resistance	60 000 J for EASY Ø115-500 110 000 J for EASY Ø200-700
Allowable axial static load	Bollard up max 2 500 N; bollard down max 120 000 N
Driven rod treatment	Cataphoresis and coating RAL7031 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 permanent grease
Power	230 Vac ±10%, 50-60 Hz
Working time	EASY Ø115-500: 6.0 s (50 Hz); EASY Ø200-700: 9.0 s (50 Hz)
Working temperature	-40°C *** +60°C
Operating humidity	up to 100%
IP grade	IP67
Hand operation	It lowers manually with power cut-off
Weight including packaging	for EASY Ø115-500: ~60Kg; for EASY Ø200-700: ~113Kg

* option, AISI304 or AISI316

** Customizable (optional)

*** With integrated heater active

ELECTRICAL FEATURES

Control unit	CDS
Power	1-phase 230 Vac ±10%, 50-60 Hz (115 Vac with optional adapter)
IP grade	IP54
Working temperature	-40°C +60°C
Operating humidity	up to 95%, non condensing
Use	Max. 4 for each control unit (CDS). Parallel control wiring possible for driving many groups of bollards.
Power absorbed	0.20 kW for each bollard
Stopping movement	Electric brake; 24 Vdc - 20 W (sustained 12 Vdc - 5 W)
Signalling (optional)	Cap with LEDs light (only EASY Ø200-700)
Sensors	Open passage, antitampering switch (option)
Local/Remote control	· Digital inputs · Radio remote control

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

ITEM SPECIFICATION

Electromechanical bollard 230 Vac. Available in two sizes:

- Ø115 x 500 x th.4mm, driven rod out of the ground in steel Fe 360 (S 235 JR). Cataphoresis and coating. Break-in resistance up to 60 000 J. Working temperature up to -40°C +60°C. Working time 6.0 s. Power 230 Vac ±10%, 50-60 Hz. With control unit suitable to control a maximum of 4 bollards simultaneously. Power absorbed 0.20 kW for each bollard. Electric brake 24 Vdc - 20 W (sustained 12 Vdc - 5 W). Rod position sensor with magnetic sensor. Limit switches. It lowers manually with power cut-off.

- Ø200 x 700 x th.6mm, driven rod out of the ground in steel Fe 360 (S 235 JR). Cataphoresis and coating. Break-in resistance up to 110 000 J. Working temperature up to -40°C +60°C. Working time 9.0 s. Power 230 Vac ±10%, 50-60 Hz. With control unit suitable to control a maximum of 4 bollards simultaneously. Power absorbed 0.20 kW for each bollard. LEDs light on the cap. Electric brake 24 Vdc - 20 W (sustained 12 Vdc - 5 W). Rod position sensor with magnetic sensor. Limit switches. It lowers manually with power cut-off.