



Automatic, anti-ram

vehicles retractable steel bollard,
600 mm high, ø250 mm



- ▶ Crash test certified bollard
- ▶ Hydraulic motorisation ensures intensive operation
- ▶ Guaranteed reliability for sites with high frequency of passages even with cycle break
- ▶ The stainless steel running surface provide better resistance and a long service life
- ▶ Installation and sealing in less than 24 hours
- ▶ Designed to protect high-level security sites
- ▶ Provides a high level of resistance with dimensions adapted to the urban environment

SERVICES INDUSTRY URBAN SECURED SITES

CRASH TEST



Crash test-certified resistance and functional bollard after the collision: can stop a 1,75T vehicle launched at 80 km/h, without damage

- Speed: 80 km/h
- Weight: 1 T 750
- Kinetic energy: 432 000 joules
- Penetration : 0

Computer crash test certified resistance carried out by an independent body approved by COFRAC:

- Speed: 64 km/h
- Weight: 7 T 500
- Kinetic energy: 1 185 000 joules
- Penetration : 0

MAIN CHARACTERISTICS

- Steel retractable bollard, ø25 cm, 60 cm high
- Intensive operating, up to 3,000 move/day
- Installation and sealing in less than 24 hours without preparatory work
- Remote hydraulic motor

TECHNICAL CHARACTERISTICS

- High-strength steel cylinder, very thick
- Anti-corrosion treatment and powder coating
- Stainless steel bollard top
- High-resistance steel floor plate, in a stainless steel coating
- Interchangeable brush seal
- Class 2 retro-reflective strip
- Low-viscosity variation (biodegradable hydraulic oil)

Voltage	230 V (or 400 V depending on number of bollards)
Consumption	1500 W (ou 3000 W)
Motorization	Remote hydraulic
Resistant, without being damaged (joules)	1 185,000
Handling time (sec.)	Adjustable from 2 to 4*
MCBF (number of cycles)	3 000 000**
MTBF (hours)	25,000
MTR (min)	30
In case of powerloss	Gravity descent
Control	PLC
Supply line included	15m of hydraulic pipeline, additional distance on request
Paint / finish	RAL 3001 / powder coating
Cylinder measurements (H-Ø)	600 - 250 mm
Floor plate measurements (H-Ø)	430 x 430 mm
Temperature conditions	- 20°C + 50°C
IP components	IP 66/67

*according to test conditions

**subject to compliance with maintenance recommendations

ALEA25-60-C80

OPTIONS

Visibility

- LEDES solar stud on top of the bollard

Safety

- Traffic lights posts
- Emergency ascent (EFO)
- Emergency operation : locks in its position
- Magnetic loop detector
- Cutable nuts

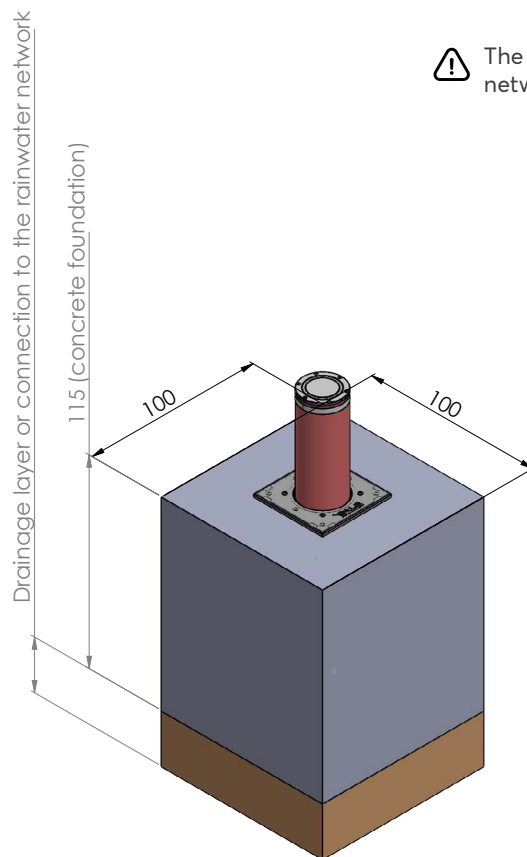
Installation

- Installation kit includes a steel cage to arm the slab, and a hanger set
- Technical module (control box + pump)
- Technical totem
- Control unit cabinet

Customisation

- Specific RAL colour
- Emergency battery (for lowering) in case of power loss
- Heating resistance in case of severe cold or exposure to snow or frost conditions
- Emergency battery for emergency ascent (EFO)

INSTALLATION



⚠ The Bollard must be connected to a network or, failing that, a draining layer

CRASH TEST



Crash test carried out by an independent COFRAC approved control body (French Accreditation Committee)