

PRODUCT SHEET

Automatic retractable bollards **ONE30^{EVO}**

CAME 
URBACO

High security - Built-in hydraulics unit

CERTIFICATION IWA 14-1:2013 BOLLARD V/7200[N2A]/48/90:0.0*
CERTIFICATION PAS68:2013 BOLLARD V/7500[N2]/48/90:0,0/0.0*

ONE30^{EVO}

A single ONE30^{EVO} high-security bollard can withstand the impact of a truck driving at 48 km/h. Even after impact, the bollard continues to protect the access point. The ONE30^{EVO} high-security bollard is designed to control the access to sensitive installations and protects them from ram vehicle attacks.

POWER DRIVE

The hydraulic unit is built-into the bollard casing. It requires no connection of flexible cables between the bollard and the hydraulic pump.

CHARACTERISTICS (STANDARD VERSION)

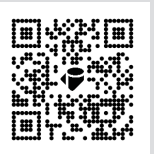
- Dimensions (mm):** Ø250 H1000 (above ground)
- Material:** high-resistance steel
- Treatment:** heat galvanized body (casing and bollard head)
- Cylinder:** simple-effect, hydraulic
- Oil:** biodegradable
- Standard operating temperature:** from 0 to 50 °C
- Extracting time:** from 5 to 7 seconds
- Retracting time:** 5 seconds
- Protection rating:** IP67 (sealed against dust and protected from any immersion effects)
- Power supply:** 400V three-phase
- Total weight:** 610 kg



CRASH-TEST

CRASH-TEST ON THE ONE30^{EVO}, HIGH-SECURITY, RETRACTIBLE BOLLARD ACCORDING TO STANDARDS IWA 14-1:2013 AND PAS68:2013

The crash test has proved the impact resilient qualities and high security standards of the ONE30^{EVO} bollard, by withstanding the attempt by a truck to smash through the bollard. The vehicle was blocked and did not penetrate the access-point, at all, and resulted in no debris from the bollard.



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CERTIFICATION:
PAS68:2013 Bollard V/7200[N2A]/48/90:0.0*
Energy of the impact: 681.2 kJ
Report no. 1207615-009-B-01 available on request



CERTIFICATION:
IWA14-1:2013 Bollard V/7500[N2]/48/90:0.0/0.0*
Energy of the impact: 681.2 kJ
Report no. 1207615-009-A-01 available on request

Interpretation of the standard IWA 14-1:2013:

Bollard V / 7200 [N2A] / 48 / 90 : 0,0

Type of product (bollard) Type of test (vehicle) Weight of vehicle (kg) Type of vehicle Speed of impact (km/h) Angle of impact (°) Penetration of vehicle (m)

* Equivalence: DOS K4

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BOLLARD CLADDING

The ONE30^{EVO} bollard is equipped with an innovative interchangeable sleeve system that allows you to customise the appearance of the access points and repair damaged heads in under 5 minutes.



PAINTED SLEEVE

Material: steel
Treatment: anti-corrosion protection with high zinc-content powder primer
RAL paint: matt, thermosetting, polyester powder (RAL3020 on the standard version)



STAINLESS STEEL SLEEVE

Material: 316L stainless steel
Treatment: polishing and corrosion inhibited



CUSTOMIZED SLEEVE

Material: steel (stainless steel on request)
Treatment: anti-corrosion protection with high zinc-content powder primer
Customization: customize with logo, wording, texture, advertising or images, with no limit as to the complexity.
Finishing: Urbaco high-performance, anti-abrasion coating



EMBOSSED FINISHING PLATES

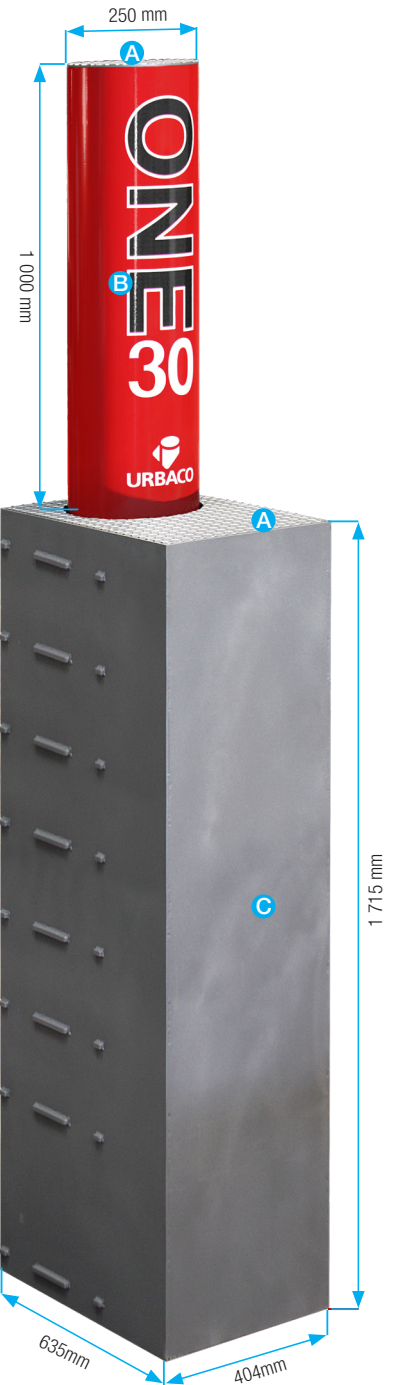
Material: steel
Treatment: anti-corrosion protection with high zinc-content powder primer



EMBOSSED FINISHING PLATES

Material: 316L or 304L stainless steel

- A** Finishing plate
- B** Covered bollard head
- C** Casing



OPTIONS

- Emergency extraction that excludes the safety procedures
- Luminous crown
- Reflective band
- Rainwater removal pump
- Antifreeze system down to -20 °C
- Antifreeze system down to -50°C
- Bollard movement buzzer
- Other RAL colors

FOUNDATION (FOR ONE BOLLARD):

Foundation depth about 2,000 mm. Volume of reinforced concrete - about 2.75 m³.

ISO EN 124 certification - Class F900 (up to 90 tons) - Installed in areas that are subject to very heavy loads such as airport loading bays.

Compliant with standard NFP98-310 - This standard defines the characteristics and performance of automatic retractable, semi-automatic and manual bollards.

Compliant with French PMR decree - The dimensions comply with the decree of 18 September, 2012 on technical requirements for street accessibility as concerns persons with impaired mobility.

