

PRODUCT SHEET

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

High-security - Separate hydraulic 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 high-security ONE30^{EVO} bollard can withstand the impact of a truck travelling at 48 km/h. After the impact, the bollard still ensures the security of the access point.

The ONE30^{EVO} high-security bollard is designed to control access to sensitive sites and protect strategic access points from terrorist attacks.

CHARACTERISTICS (STANDARD VERSION)

Dimensions (mm): Ø250 H1000 (above ground)

Material: high-strength steel

Treatment: hot-dip galvanising of structural parts (casing and head of the bollard)

Cylinder: single-acting hydraulic

Oil: biodegradable

Standard operating temperature: 0 ... 50 °C

Raising time: 5/7 seconds (1.5 seconds with the E.F.O. option)

Lowering time: 3 ... 5 s (depending on the outside temperature)

Protection rating: IP67 (protected against dust and the effect of immersion)

Total weight: 610 kg



THE CRASH TEST

CRASH-TEST OF THE ONE30^{EVO} HIGH-SECURITY BOLLARD

ACCORDING TO THE IWA 14-1: 2013 AND PAS68: 2013 STANDARDS.

The crash test demonstrated the resistance and the high level of security of the ONE30^{EVO} bollard, by stopping a ram vehicle. The vehicle was stopped with 0 meter of penetration after the obstacle, and no debris was projected.



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CERTIFICATION:

IWA 14-1:2013 Bollard V/7200[N2A]/48/90:0,0*
 Impact energy: 681,2kJ
 Report no. 1207615-009-B-01 available on request



CERTIFICATION:

PAS68:2013 Bollard V/7500[N2]/48/90:0,0/0,0*
 Impact energy: 681,2kJ
 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: zinc-based primer as standard reinforcing corrosion-resistance
RAL paint: Matt finish thermosetting polyester powder top coat (RAL3020 standard)



STAINLESS STEEL SLEEVE

Material: 316L Stainless Steel
Treatment: polish and satin-finished



CUSTOMIZED SLEEVE

Material: steel (stainless on request)
Treatment: zinc-based primer as standard reinforcing corrosion-resistance
Customization: customization with a logo, text, texture, advertising, or image.
Finishing: anti-abrasion protection system



EMBOSSED FINISHING PLATE

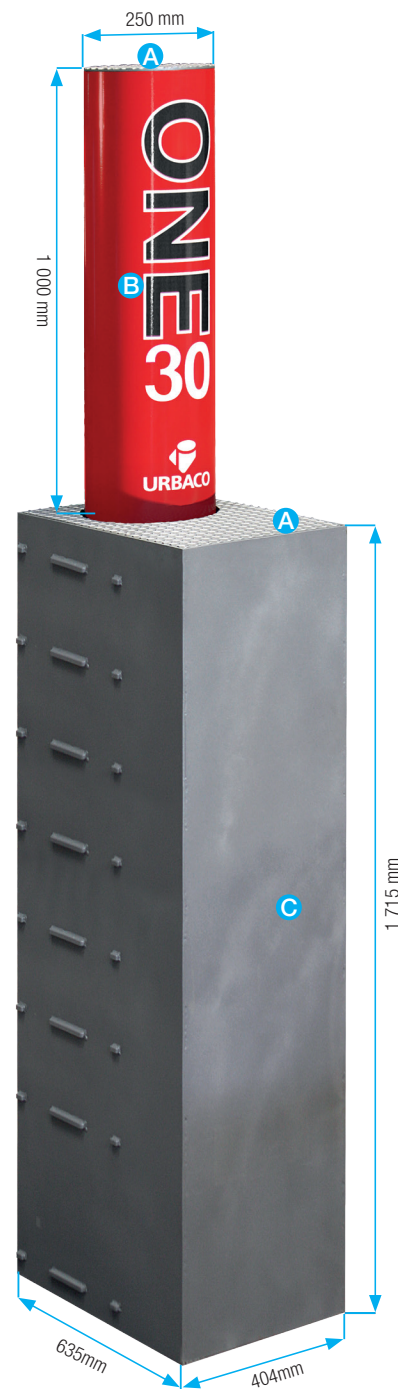
Material: steel
Treatment: zinc-based primer as standard reinforcing corrosion-resistance



EMBOSSED FINISHING PLATE

Material: 316L or 304L Stainless Steel

- A** Embossed finishing plate
- B** Covered bollard head
- C** Casing

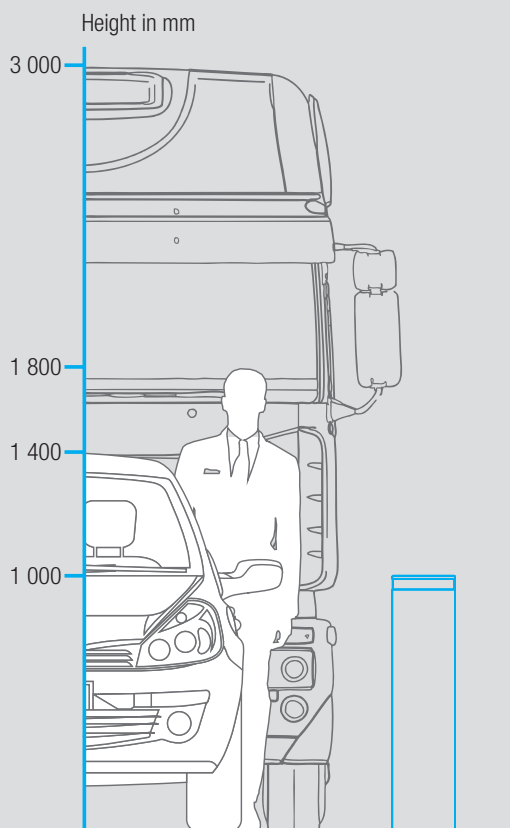


OPTIONS

- Emergency EFO in 1,5s (EFO - Emergency Fast Operation) equipped with a manual raising pump
- Emergency raising bypassing safety procedures
- Illuminated ring
- Reflective tape
- Shock-absorbing at top and bottom
- Manual raising pump
- Rainwater evacuation pump
- Frost protection down to -20 °C
- Frost protection down to -50 °C
- Bollard movement acoustic warning device
- Other RAL colours

FOUNDATION (FOR 1 BOLLARD):

Foundation depth of about 2000 mm. Volume of concrete approximately 2.75m³.



ISO EN 124 - Class F900 (up to 90 tonnes) approved - Installation in areas subject to very high wheel loads such as airport pavements.

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

Compliant with French decree PMR - Dimensions compliant with the decree of 18 September 2012 concerning the technical requirements for the accessibility of roads and public spaces for people with reduced mobility.