

# PRODUCT SHEET

Automatic retractable bollards **ONE40<sup>EVO</sup>**

**CAME**   
**URBACO**

**High security - Built-in hydraulics unit**

CERTIFICATION IWA 14-1:2013 BOLLARD V/7200[N2A]/64/90:2.6\*  
CERTIFICATION PAS68:2013 BOLLARD V/7500[N2]/64/90:2.4/15.5\*

## ONE40<sup>EVO</sup>

A single ONE40<sup>EVO</sup> high-security bollard can withstand the impact of a truck driving at 64 km/h. Even after impact, the bollard continues to protect the access point.

The ONE40<sup>EVO</sup> high-security bollard is designed to control the access to sensitive installations and protects them from terrorist 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:** 730 kg



## CRASH-TEST

CRASH-TEST ON THE ONE40<sup>EVO</sup>, HIGH-SECURITY, RETRACTABLE 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 ONE40<sup>EVO</sup> bollard, by withstanding the attempt by a truck to smash through the bollard. The vehicle was blocked after penetrating by only 2.6 meters into the access-point.



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**CERTIFICATION:**  
IWA 14-1:2013 Bollard V/7200[N2A]/64/90:2.6\*  
Impact energy: 1.290 kJ  
Report no. 1207615-011-B-01 available on request



**CERTIFICATION:**  
PAS68:2013 Bollard V/7500[N2]/64/90:2.4/15.5\*  
Impact energy: 1.290 kJ  
Report no. 1207615-011-A-01 available on request

Interpretation of the standard IWA 14-1:2013:

**Bollard V / 7200 [N2A] / 64 / 90 : 2.6**

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 K8

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## **BOLLARD CLADDING**

The ONE40<sup>EVO</sup> 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**

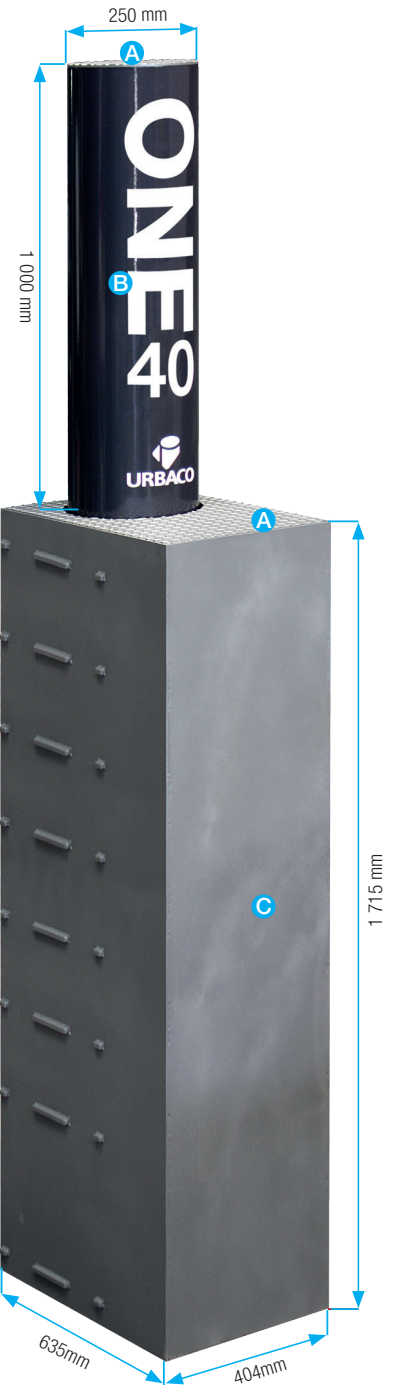
**Material:** steel  
**Treatment:** anti-corrosion protection with high zinc-content powder primer



### **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):**

Anchoring depth about 2,000 mm. Volume of reinforced concrete - about 2.75 m<sup>3</sup>.

**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.

