



**One** bollard that stops a 6.8t truck running at **50** mph

### Technical characteristics

#### General:

Hydraulic Actuator, single effect, direct attachment through fast connector, hydraulic remote pump housed in a separate technical centre, maximum pressure 80 bars  
 Total weight: kg 1100; lifting weight kg 550  
 Electric Protection Rating: IP67  
 Standard operation mode: fail secure (bollard remains up if it was up before shortage)  
 Standard rising time: **5.3 seconds**  
 Bollard ~TC station distance: 10 m  
 Bollard position information: Upper and lower limit switches

#### Cylinder (bollard head)

Top: Chequered stainless steel plate  
 Material: Specific steel alloy  
 Diameter: 325 mm  
 Height above ground level: 1000 mm  
 Anti rust treatment: Zinc Based Primer  
 Standard color: RAL3020  
 Visibility element: Class II white reflective tape

#### Underground Casing:

Cover: Chequered stainless steel plate  
 Material: steel  
 Dimensions (mm): H:1690; x L:490 x l:500  
 Technical casing (mm): L:155 x l:280



HIGH SECURITY  
**One50**  
 THE SOLUTION



**URBACO**  
 AUTOMATIC BOLLARDS  
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**CAMEGROUP**  
 freedom innovation

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Top finishing: Stainless steel chequered plate.

Optional lighting ring (Red).

Class 2 White reflective tape.

Bollard head (cylinder): specific Steel alloy  
Anti rust treatment: Zinc Based Primer  
Standard color: RAL3020.

Separated technical cabinet makes installation and maintenance easier.

Cover finishing: Stainless steel chequered plate

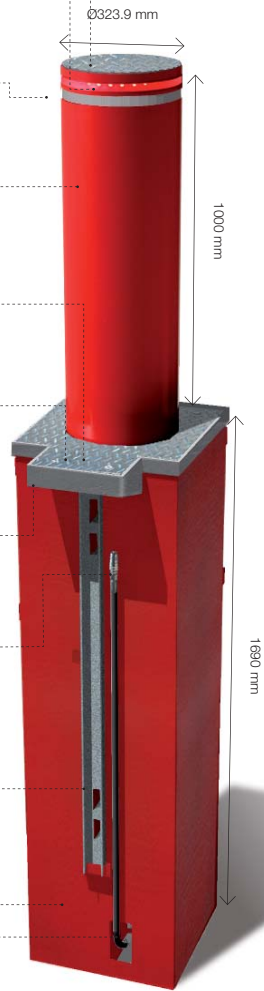
Locking cover.

Fast Coupler inside the technical cabinet to attach hydraulic pipes (10 m Hydraulic pipe + 10m electric cable included as a standard).

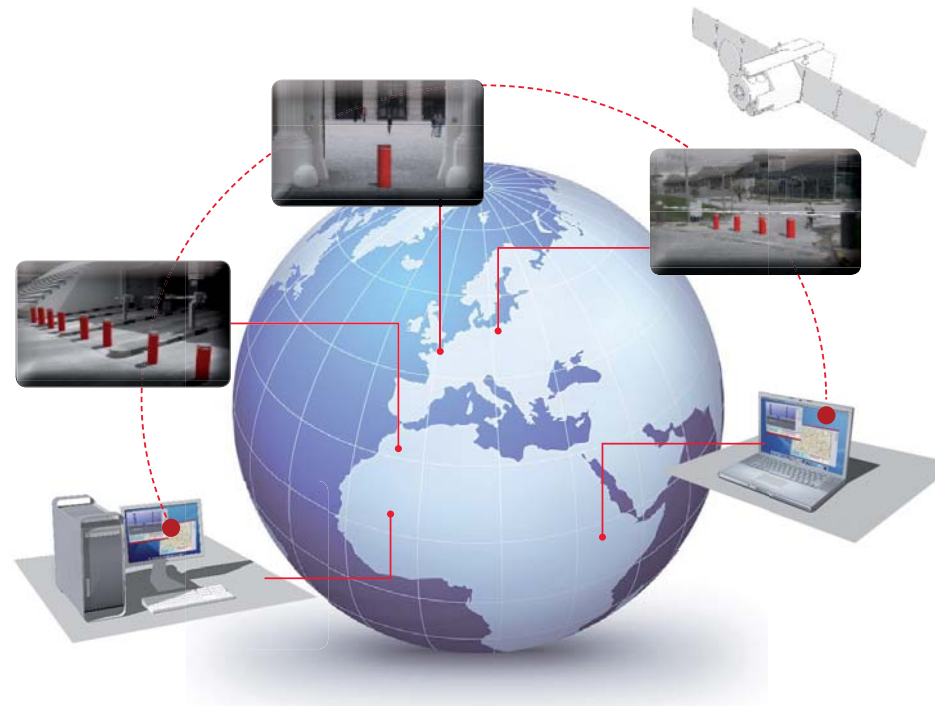
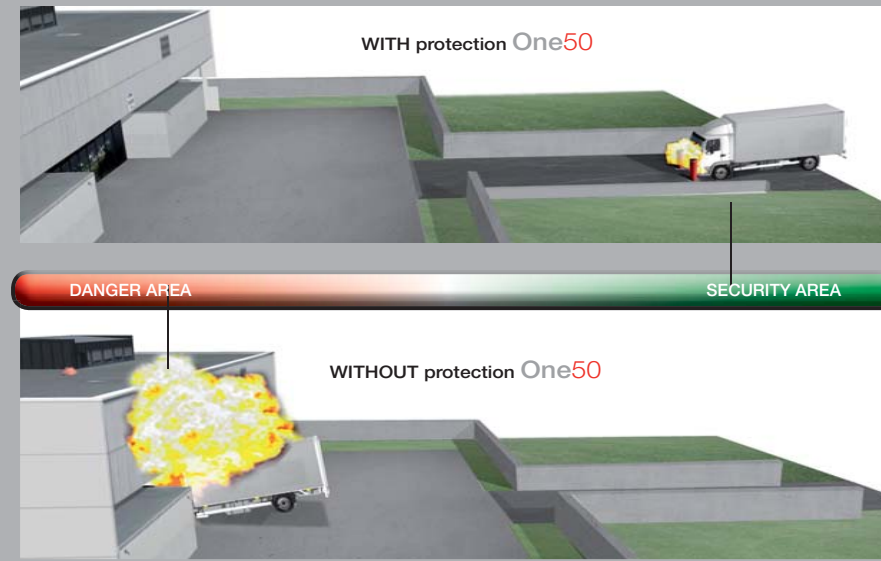
Removable accessories plate fitted with Upper and Lower limit switches (+2 intermediary)

Steel casing.

Hydraulic jack + fast connector



The One50 hydraulic bollard is designed to protect sensitive areas where the need for security of buildings and people is crucial. A single One50 bollard has been duly crash-tested under provision of ASTM2656 M50 Standard. It efficiently withstands the front impact of a 6.8 Ton vehicle travelling at 50 mph (80 km/h). That proves the ability of the One50 to protect embassies, public buildings, banks, military facilities, nuclear plants etc.



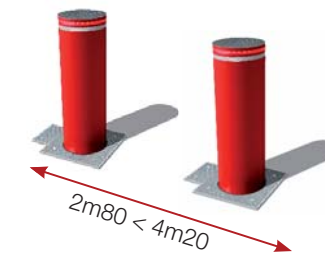
Urbaco SYGMA II software, provides a full set of tools to remotely manage one or many accesses. It provides real time overview of all the accesses you want to manage, a real time log of events, a real time log of alarms...

GTC (In English Centralized Technical Management or CTM) allows you to check the components of all the sites. In case of malfunction, you already know what is the problem and you are able solve it much more efficiently. CASCAM allows you to manage access control in real time.

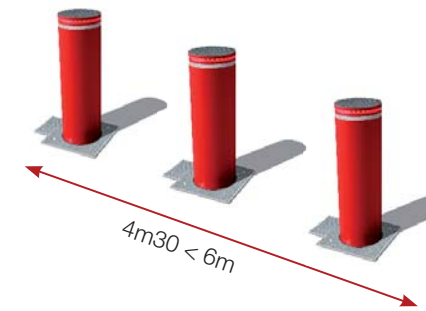
**SET OF 1 HIGH SECURITY BOLLARD**



**SET OF 2 HIGH SECURITY BOLLARDS**



**SET OF 3 HIGH SECURITY BOLLARDS**

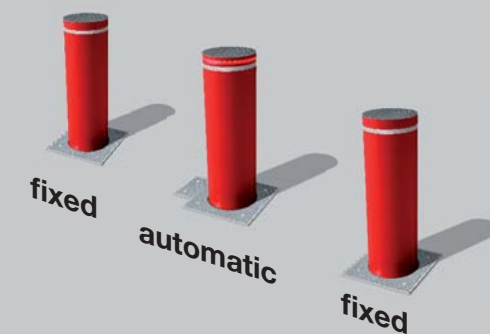


For other quantities, please contact Urbaco area manager



Also Available in fixed version.

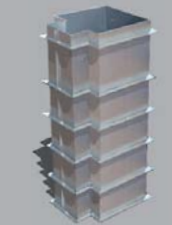
Installation Options One50 may be fixed or automatic



**FULL SET INCLUDING**



- High security Bollard



- Lost casing



- Technical cabinet with hydraulic pump



- 10 meter connection kits



- Control actuator

- Heating system -20°C (for cold areas only)

- Fail secure function

**Options**

**BOLLARD**

- Bollard Head Color: Other RAL than standard
- Buzzer: signal of moving bollard by buzzer
- Red LED lighting ring (in addition to the retro-reflective band)
- Low and Up end Slowdown
- Connection kit, length above 10 m
- Rainwater Draining Pump

**CONTROL DEVICE**

- Fail safe mode (power shortage= bollards fall down)
- Manual rising command (1 per pump)
- Emergency fast rising: 1.5 seconds (requires Low and Up end Slowdown option)
- Adjustment of bollard lowering speed.

**COMMAND ACTUATORS**

- Remote control
- Proximity Cards
- Transponder
- RFID
- OCR
- ECT...