URBACO
AUTOMATIC BOLLARDS

Urbaco

Access Control

It’s simple, it’s practical it’s Urbaco.

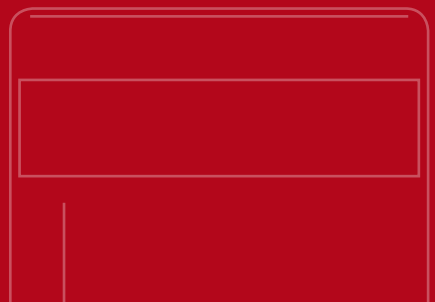
Which bollard is best suited for my project?
Must I choose an automatic bollard?
Or, will a semi-automatic one do?
And, do bollards work in stand-alone mode?
Can I run a Luxor automatic bollard on any technical centre?
What do I need to complete my installation?
What’s the range of standard models?
May I choose any RAL colour I wish?

Welcome to URBACO!

This catalogue will make it easy and practical for you to choose URBACO products:
A simple tool that explains why you need to install loops and detectors;
A practical tool to help you understand the language of the working logic, the product combinations and the development potential of your project;
It’s intuitive and well illustrated to bring you closer to Urbaco.
Just try finding what’s right for you among its pages.

It’s easy. Just browse and see!

Just add space



URBACO
AUTOMATIC BOLLARDS

Index

7 Urbaco
9 Certified innovation
11 Checks, tests, trials
12 The guide

•• 15 Pneumatic Automatic Bollards
17 Simplicity is standard
19 Access control
20 Functioning logics
22 Functioning logics
24 Functioning logics

• 26 Luxor
27 Style and comfort
28 Luxor features
29 What is Luxor
30 Luxor: example installation
31 Example installation
32 The range
34 The range
• 36 Cylinder
37 Built on experience
38 Cylinder features
39 What is Cylinder
40 Cylinder: example installation
41 Example installation
42 Cylinder: example installation
43 Example installation
44 Cylinder: example installation
45 Example installation
46 The range
48 The range
• 50 Vendôme
51 Modern and elegant
52 Vendôme features
53 What is Vendôme
54 Vendôme: example installation
55 Example installation
56 The range
58 The range

•• 61 Semi-automatic Bollards
63 As easy as using your house key

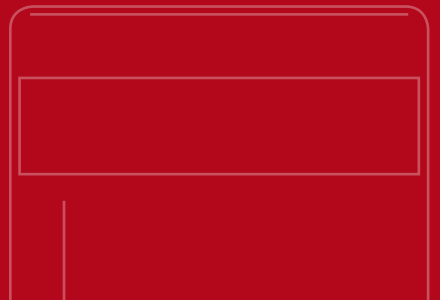
• 64 Cylinder
65 Tradition that stays fashionable
• 66 Vendôme
67 Always and everywhere
68 Cylinder and Vendôme features
69 Practical, simple and comfortable
70 The range

72 Setting up the pits

•• 75 Fixed and Removable Bollards
77 An eye-catching advantage

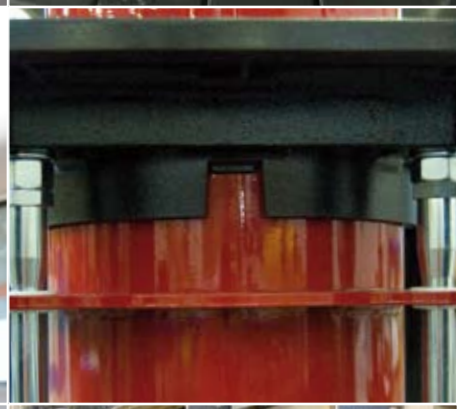
• 78 Luxor
• 80 Cylinder
• 82 Vendôme
84 The range

•• 87 Software and control systems
88 Sygma II
89 Your spaces are under control
90 Standard configuration
91 The standard functions
92 The synoptic plan
93 Handling information



URBACO
AUTOMATIC BOLLARDS

movia
US 94450



CHANGE

New
A4

Urbaco

Known the world over for having invented the retractable bollard, Urbaco stands for top-notch technology to make the space around you more liveable and comfortable. With Urbaco you can organise and modify traffic flows and even cut back on environmental pollution.

Our product range brings you high-quality performance and unmatched aesthetic accuracy, so the elements you choose always fit perfectly into any context, whether historical or modern.

Urbaco is continually developing, and boasts a capillary network of partners and collaborators to quickly, efficiently and competitively meet our clients' requests.

From estimate to installation, from maintenance to after-sales assistance.
It's about providing intelligent service and solutions.

URBACO
AUTOMATIC BOLLARDS

Certified innovation

Our clients have been putting their trust in us for 25 years – in return we guarantee them the highest possible quality.

That's why our integrated quality and environmental management system, certifies that our technologies and processes all comply with the standards set by current European legislation.
Urbaco's retractable bollards all comply with French law NFP 98-310.

As of April 1, 2009 we obtained the official document from the Italian Ministry of Transport and Infrastructure (protocol n. 32658), which approves a series of automatic bollards that can now be installed in public areas.

Over the years numerous patents have been filed around the world, which is a guarantee of the uniqueness of the innovative products that Urbaco brings you.

Ministero delle Infrastrutture e dei Trasporti

Omologazione per installazione sul suolo pubblico

protocollo n. 32658 del 1 aprile 2009

URBACO
AUTOMATIC BOLLARDS

Test n.1 - luminous crown
Work Cycles = 98,300
3706 SYSTEM SWITCH
3706-NFP SYSTEM SWITCH/MU
1588 STATUS
LAN STATUS
POWER
DISPLAY
CONFIG
RESET
OPEN ALL
STEP
CHAN
PATT
LOAD
RUN
OPEN
CLOSE
SLOT
SCAN
INSERT
DELETE
STORE
REC
DMM
LIMIT
TRIG
MENU
RATE
FUNC
REL
FILTER
LOCAL
EXIT
ENTER
AUTO

Checks, tests, trials

The reliability of Urbaco products is constantly and intensely scrutinized through a program involving checks, tests and trials. Our retractable bollards undergo:

Crash testing: a destructive test of the solidity of our products to withstand impacts and protect the access even against forced attempts and is performed in compliance with antiterrorism regulations of the Department of State DOS Crash Test Certification.

Duration trial: (Bailiff approved)
the trial is run uninterruptedly for 24 hours on two bollards. 4.5 million up and down cycles without any breakdowns or need for replacements.

Impact resistance trial: (retractable bollards – Road-Testing Lab – City of Paris). Urbaco bollards yielded a resistance range of between 2,500 and 15,000 joules.

Impact resistance test: (on automatic retractable bollards. 2005). Results: the 250 mm diameter, 500 mm height bollard withstands the 50 km/h-impact of a 1.2 tonne automobile; the 250 mm diameter, 750 mm height bollard withstands the 55 km/h impact of 2.5 tonne vehicle.

Vehicle passing resistance test:
the Cylinder and Vendôme retractable, automatic and semi-automatic bollards with 200 and 250 mm diameters and 500 and 750 mm heights, have undergone vehicle passing tests in compliance with what set forth by standard ISO EN 124 and are E600 (Group 5) approved. This means they are fit to be installed in areas that take heavy loads, for example at ports and airports.

URBACO
AUTOMATIC BOLLARDS

The guide

Automatic Retractable Bollards

Pneumatic Bollards

- LUXOR
  - 200 x 600 mm LUMINOUS CROWN
- CYLINDER
  - 200 x 500 mm
  - 250 x 500 mm LUMINOUS CROWN
  - 200 x 750 mm LUMINOUS CROWN
- VENDÔME
  - 250 x 500 mm

Micro Technical Centres

- With U200 control board
  - For CYLINDER and VENDÔME
  - For LUXOR
- With PLC LOGO!
  - For LUXOR, CYLINDER and VENDÔME
- With PLC AT224
  - For CYLINDER and VENDÔME

Control Unit

- CITY 3
  - For Pneumatic bollards
- CITY 6
  - For Pneumatic bollards

Semi-automatic Retractable Bollards

Semi-automatic Bollards

- CYLINDER
  - 200 x 500 mm
  - 250 x 500 mm
  - 200 x 750 mm
- VENDÔME
  - 250 x 500 mm

Removable Bollards

- LUXOR
  - 200 x 600 mm
- CYLINDER
  - 200 x 500 mm
  - 250 x 500 mm
  - 200 x 750 mm
- VENDÔME
  - 250 x 500 mm

Fixed Bollards

- LUXOR
  - 200 x 600 mm
- CYLINDER
  - 200 x 500 mm
  - 250 x 500 mm
  - 200 x 750 mm
- VENDÔME
  - 250 x 500 mm

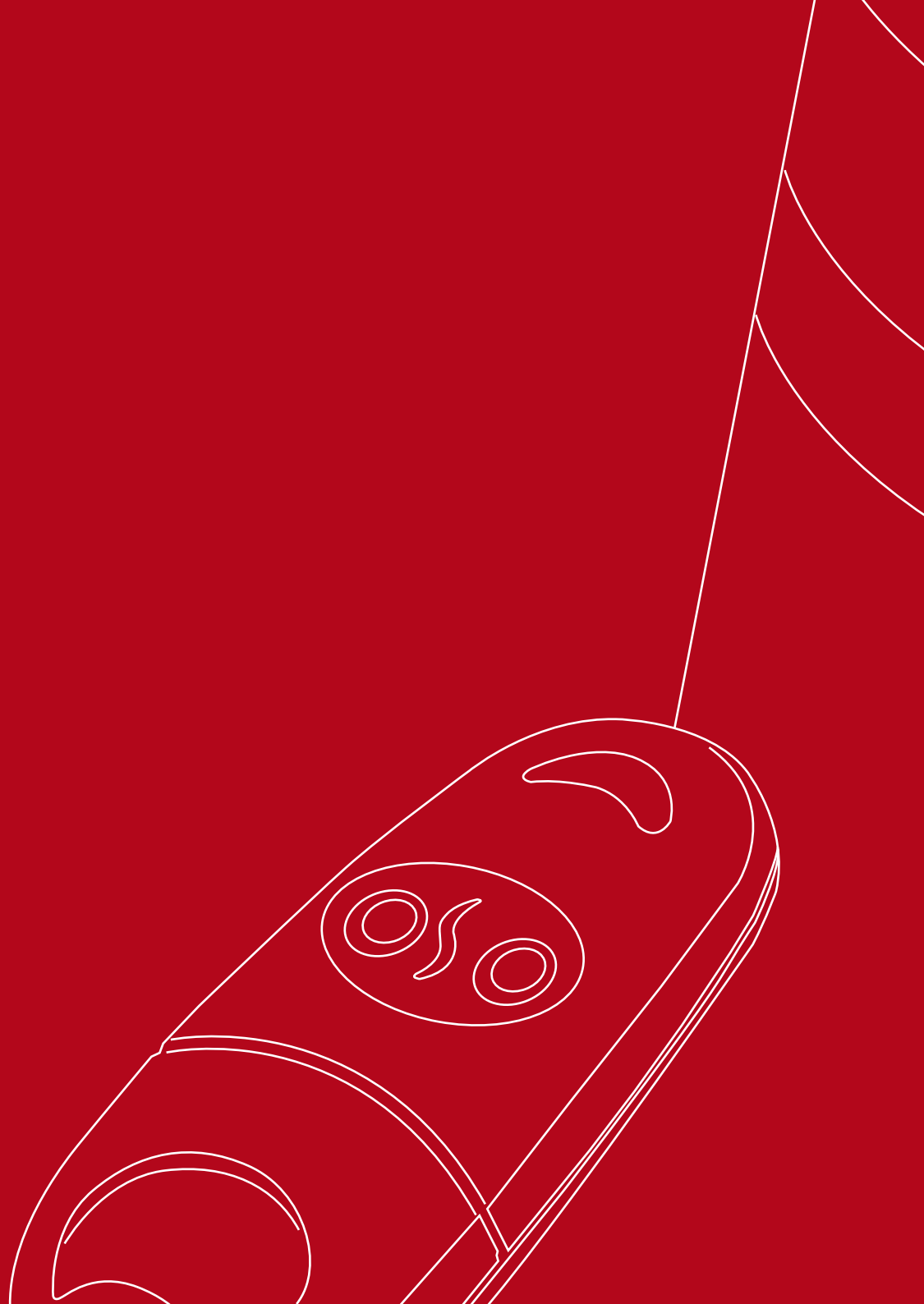
Software and remote control systems

- SYGMA II

Legend

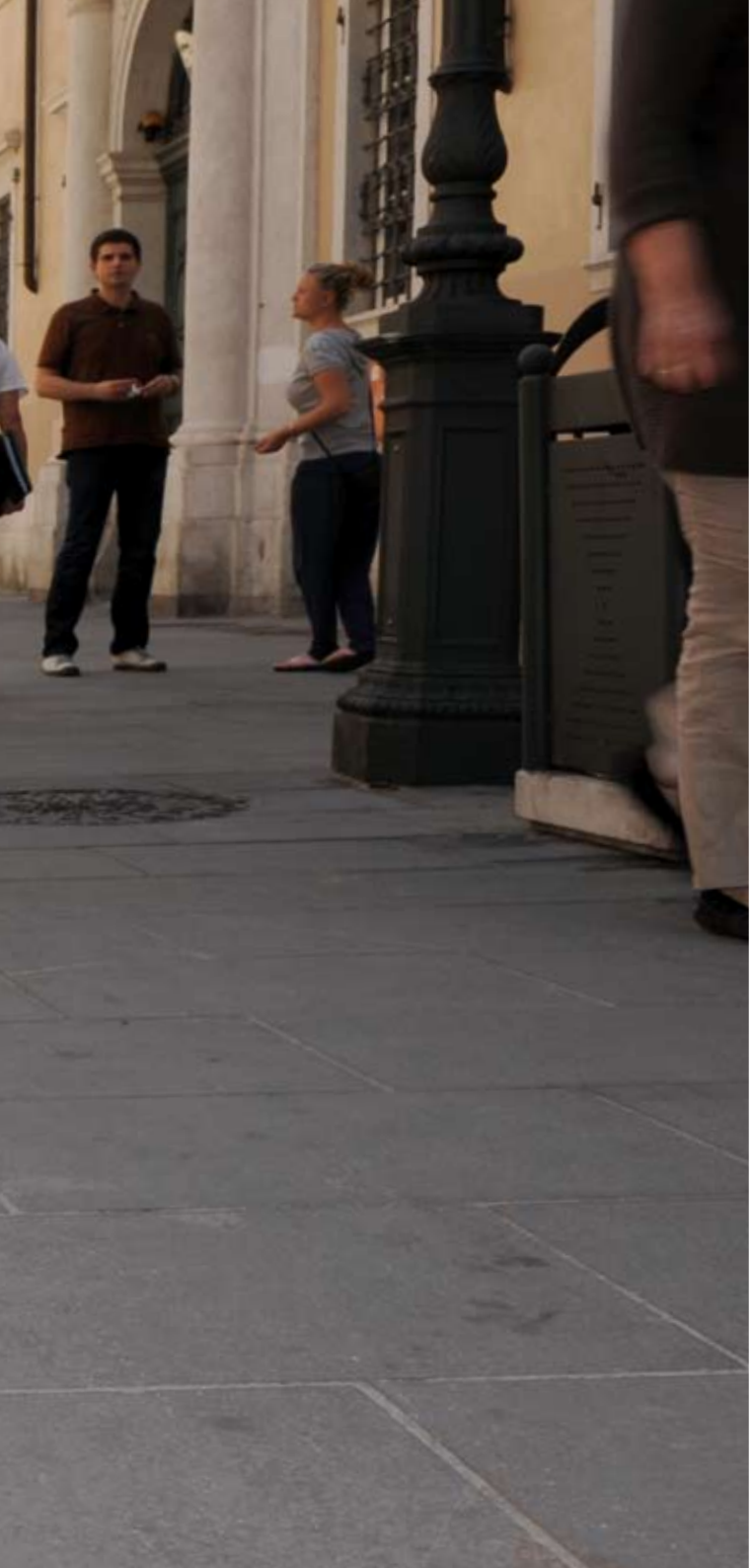
- Pneumatic Automatic Bollards
- Semi-automatic Bollards
- Removable Bollards
- Fixed Bollards
- Software and remote control systems

URBACO
AUTOMATIC BOLLARDS



Pneumatic
Automatic Bollards

URBACO
AUTOMATIC BOLLARDS



Simplicity is standard

Just press a button on the transmitter, the bollards come up and the square empties of traffic leaving space for pedestrians. The same square which, during the day, was a flurry of activity becomes peaceful and quiet enough for a pleasant stroll.
Keying in a code on the keypad and the bollards in front of a car dealership surface. The businessman has chosen to sleep worry-free by delegating the protection of his premises to retractable bollards.
The space we live deserves to be managed so as to be as pleasant as possible. That's why Urbaco is the only possible answer because we have had a talent for managing space for over a quarter century.

URBACO
AUTOMATIC BOLLARDS

Access control

Urbaco bollards let you control access to areas that require restricted vehicle access for safety or security reasons. They are typically installed at business centres, historical centres, luxury goods shops or sensitive facilities. The bollards help cut down on carbon monoxide emissions in historical town centres with restricted vehicle access.

These kinds of bollards are managed by a micro technical centre - MTC - or by a City control unit handled by an end user. The user sends a command via a transmitter, proximity card, push-button or keyboard switch. Access to an area will either be allowed or restricted depending on whether the bollards have ascended or descended.

The MTC or City systems can also manage the power supply that makes the bollards move. These basic access control functions can be supplemented with metal mass detecting loops. The loops can be of two types: security and security/presence.

Security loops: detects vehicles present and keeps the bollard down as long as vehicle is above the loop.

The security/presence loop: detect vehicles and allow the user's command to be activated through a command device. The bollard descends to let the detected vehicle through. The loop is placed below the road surface and can simultaneously perform both functions, that is, security/presence and security.

The number of loops installed depends on the type of operation (functioning logics) desired.

Functioning logics

Controlled entrance or exit by the PLC LOGO! or the AT224

Components:

- Two loops
- One or more bollards that work simultaneously
- One access
- One-way traffic

Controlled entrance and exit by the PLC LOGO! or the AT224

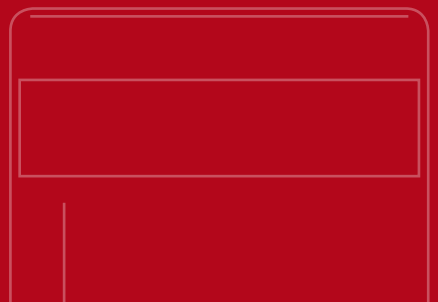
Components:

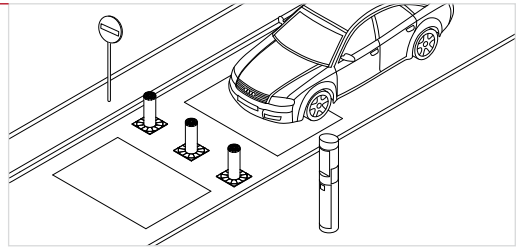
- Two loops
- One or more bollards that work simultaneously
- One access
- Two-way traffic

Controlled entrance and exit by the U200 control board

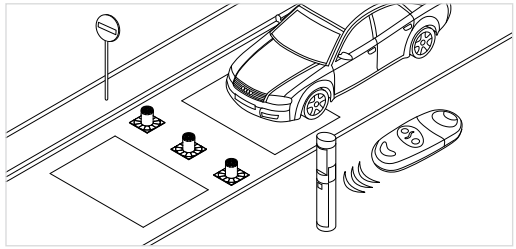
Components:

- Two loops
- One or more bollards that work simultaneously
- One access
- Two-way traffic

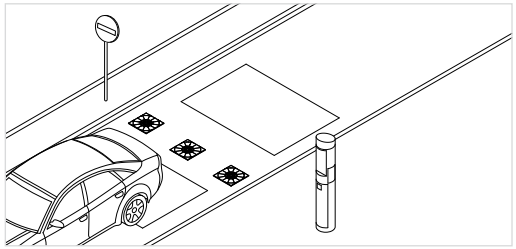




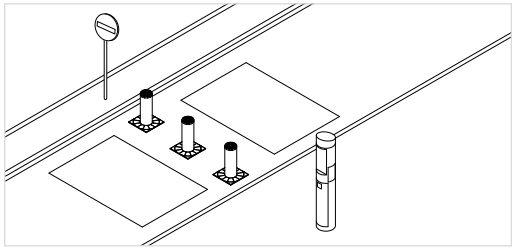
The vehicle stops over the outside, security/presence loop.



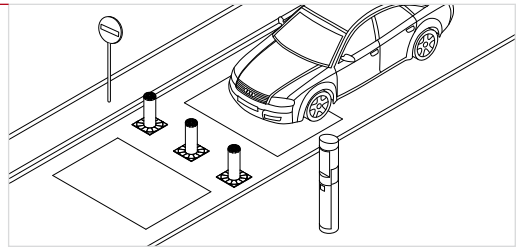
The parker sends the bollards a command to descend.



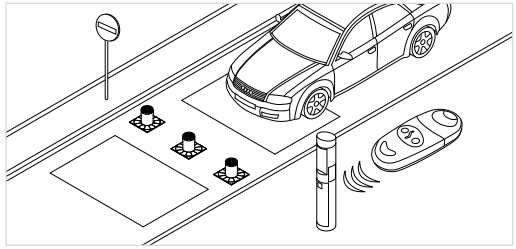
The vehicle drives into the bollards space and drives beyond the inside security loop.



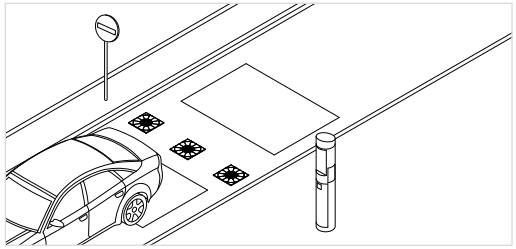
Only then does the bollard resurface automatically.



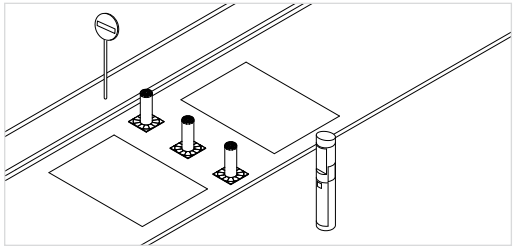
To enter and exit
The vehicle stops over either the outside or inside loop (security/presence or security).



The parker sends the bollards a command to descend.



The vehicle drives into the bollards space and drives beyond the inside or outside loop (security/presence or security).



Only then does the bollard resurface automatically.

Functioning logics

Automatic exit with the PLC LOGO! or the AT224

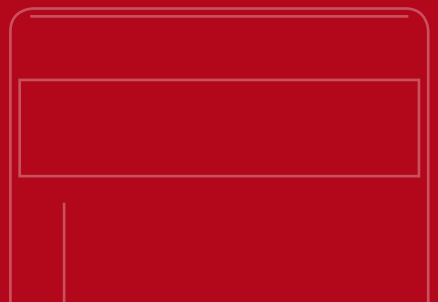
Components:

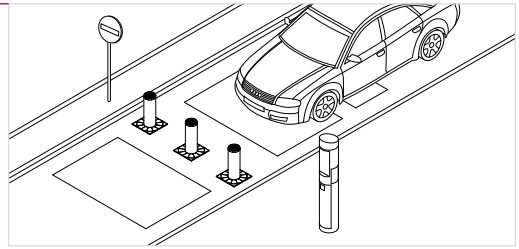
- Three loops
- One or more bollards that work simultaneously
- One access
- One-way traffic

Automatic exit with the U200 control board

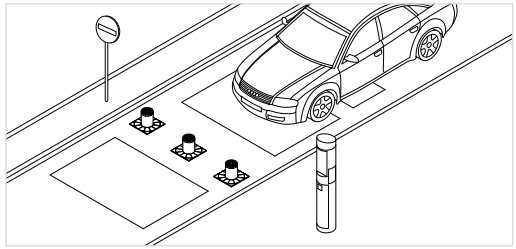
Components:

- Three loops
- One or more bollards that work simultaneously
- One access
- One-way traffic.

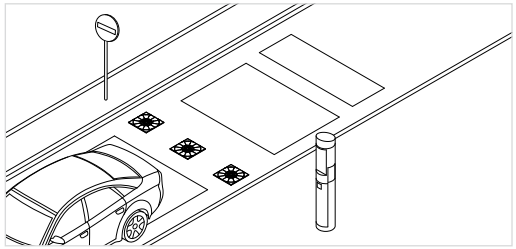




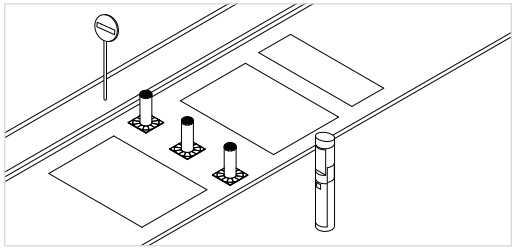
Entrance IS NOT POSSIBLE - To exit
A vehicle stops on the inside both presence and security loop.



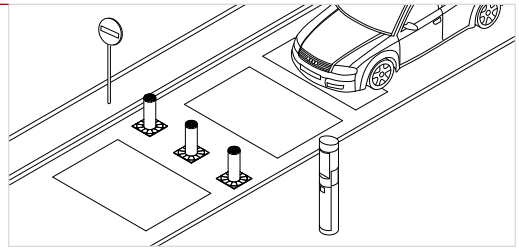
The bollard descends automatically when the vehicle is straddling both loops.



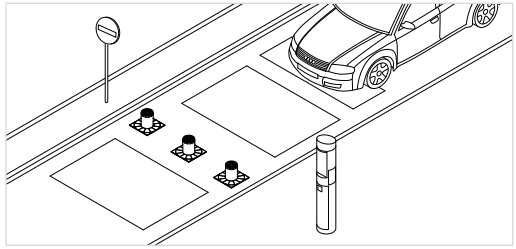
The vehicle drives away from the bollard's space and drives past the outside security loop.



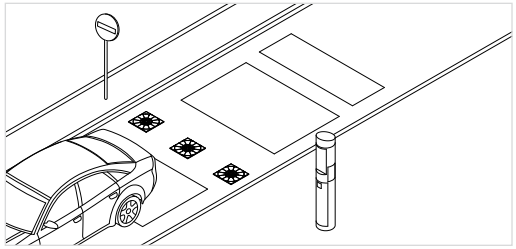
Only then does the bollard resurface automatically.



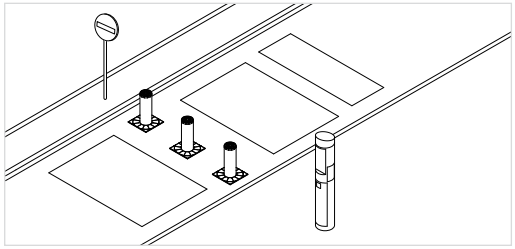
Entrance IS NOT POSSIBLE - To exit
A vehicle drives and stops only over the inside presence loop.



The bollards descends automatically when the vehicle is detected by that loop.



The vehicle drives away from the bollard's space and drives past the outside security loop.



Only then does the bollard resurface automatically.

Functioning logics

Controlled entrance and automatic exit with the PLC LOGO! or the AT224

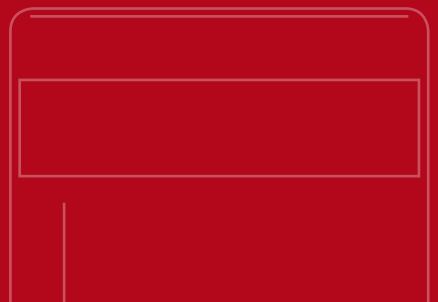
Components:

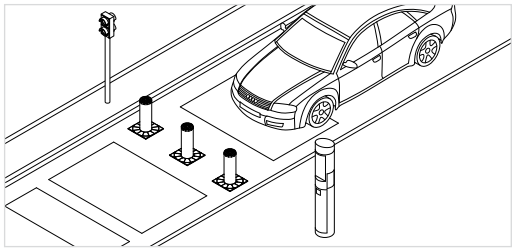
- Three loops
- One or more bollards that work simultaneously
- One access
- Two-way traffic

Controlled entrance and automatic exit with the U200 control board

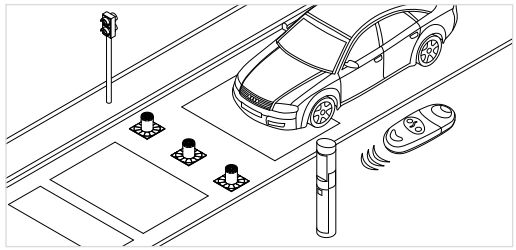
Components:

- Three loops
- One or more bollards that work simultaneously
- One access
- Two-way traffic

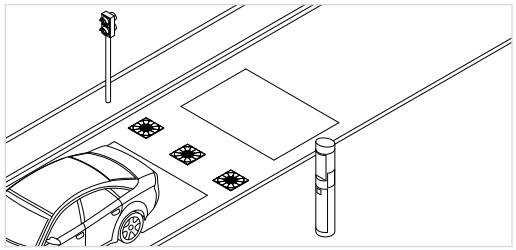




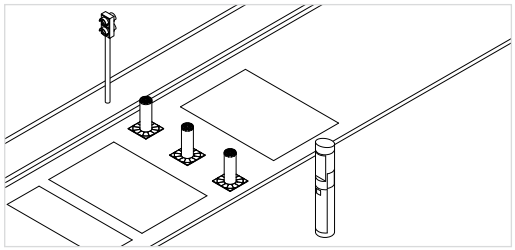
To enter
The vehicle drives and stops over the outside, security/ presence loop.



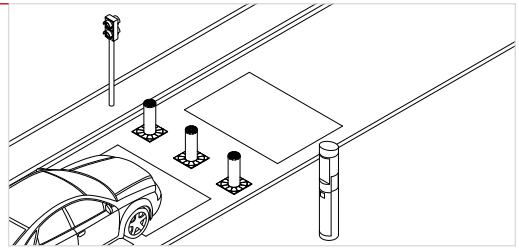
The parker sends a down command to the bollard.



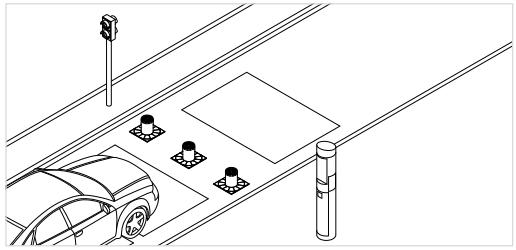
The vehicle drives away from the bollard's space and past the inside security loop.



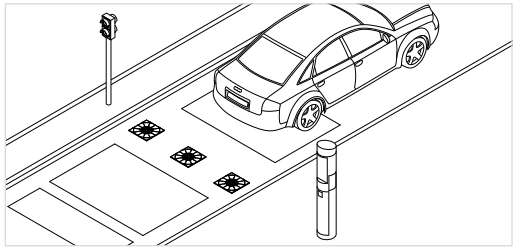
Only then does the bollard resurface automatically.



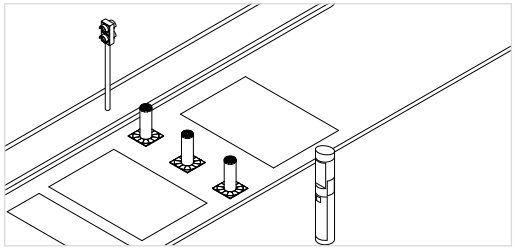
To exit
A vehicle stops on both loops, the inside security/ presence loop.



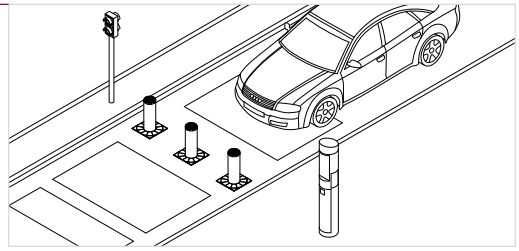
The bollards descend automatically when the vehicle is straddling both loops.



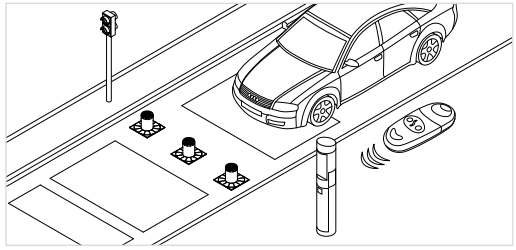
The vehicle drives away from the bollard's space and drives past the outside security loop.



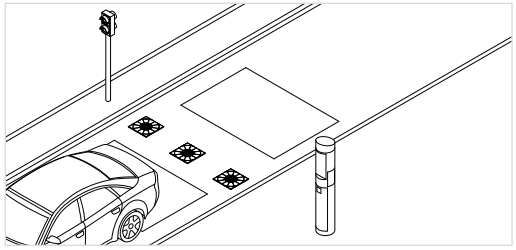
Only then does the bollard resurface automatically.



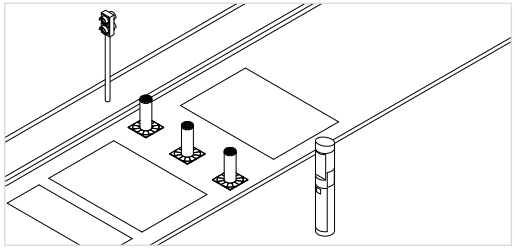
To enter
The vehicle drives and stops over the outside security/ presence loop.



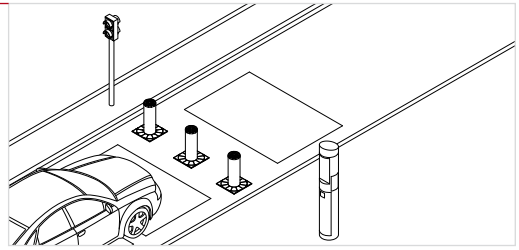
The parker sends a down command to the bollard.



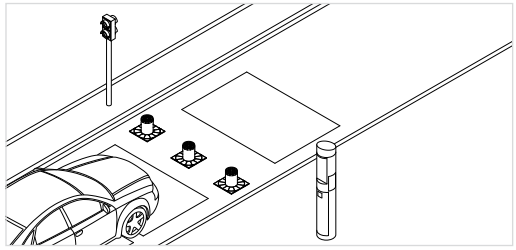
The vehicle enters the bollard's area and drives past inside or outside loop (vehicle on and security).



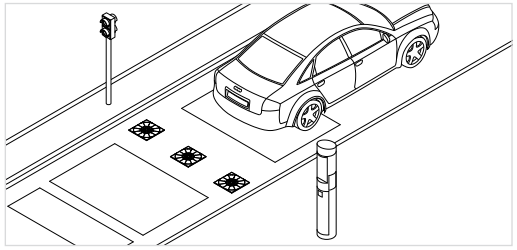
Only then does the bollard resurface automatically.



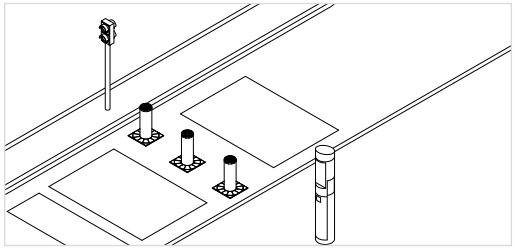
To exit
The vehicle only stops over the inside presence loop.



The bollard descends automatically when the vehicle is detected over that loop.



The vehicle exits the bollard's area and drives past the outside security loop.



Only then does the bollard resurface automatically.

Luxor

Style and comfort

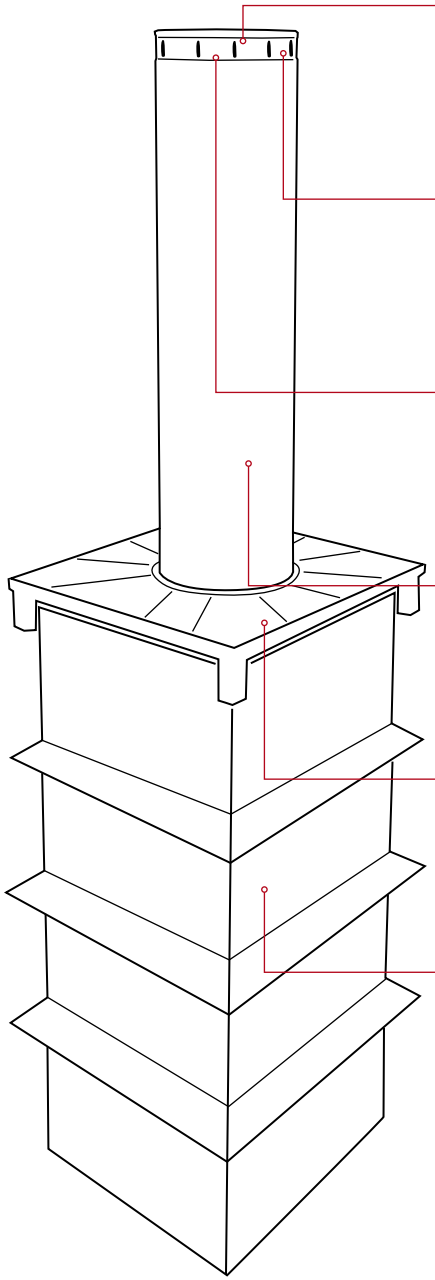
Reliability, protection and great price/quality ratio.
But also beauty and elegance.
Luxor is the ideal answer to the applicative needs of large private and public administration settings, where control and comfort requirements meet aesthetics and integrate pleasantly. Large business centres, supermarket chains, car dealerships, important historical town centres have chosen Luxor's innovative design and technology. It emits an acoustic signal when in motion, which prevents pedestrians and bicycles from running into it. Also, in those areas that truly require vehicle traffic to be restricted, Luxor becomes instrumental in cutting down carbon monoxide emissions and preserving the environment.

URBACO
AUTOMATIC BOLLARDS

Luxor features

RAL 7016

RAL 3002



The design of the bollard head
Designed to perfectly fit with the road surface when the bollard is down. It is made of cast iron to ensure that it withstands time.

The luminous crown
Is made up of 12 highly luminous diodes. It clearly shows where the bollard is when surfaced, especially at night.

The sound warning
To ensure safety for the public in the area where the bollard is installed.

The paint job
The additional RAL varnishing processing ensures that the colour holds fast.

The cover
Made of cast iron, it is sturdy and resistant.

The disposable folding box
Easy and handy to carry and install it is made of 10/10 galvanised sheet steel.

Luxor: helping safeguard the environment
Restricting vehicle traffic flows cuts down on exhaust fumes. That's another reason to get Luxor.

What is Luxor

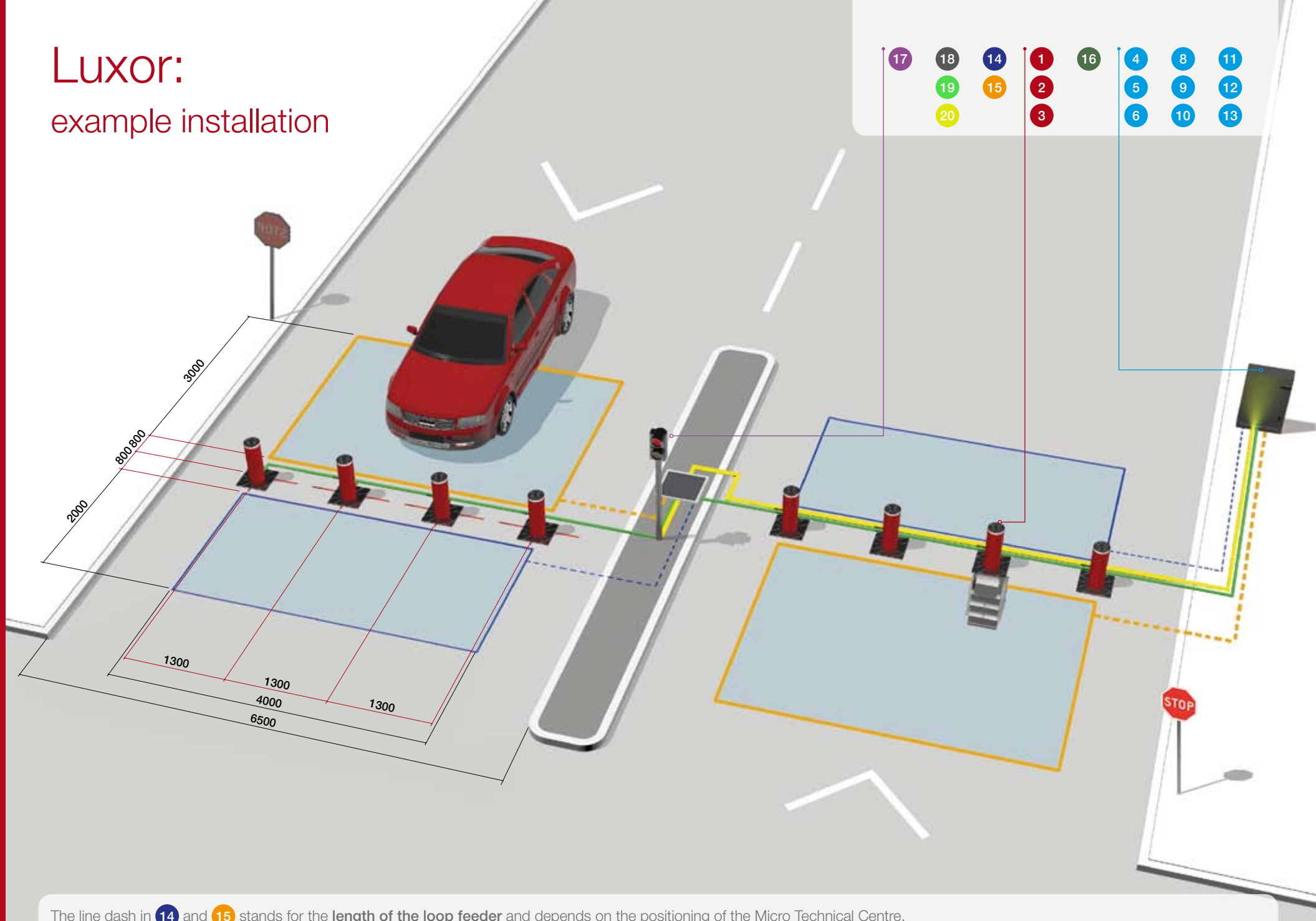
Luxor is an advanced vehicle flow restricting system at the service of urban planning.
Organising urban traffic, access and transit control, restriction of areas and environmental protection.

Lots of technology packed into a bollard suitable for many contexts.

URBACO
AUTOMATIC BOLLARDS

Luxor:

example installation



The line dash in 14 and 15 stands for the **length of the loop feeder** and depends on the positioning of the Micro Technical Centre.
When choosing the **loop + feeder** combination you need to take into account said lengths as well as length P of the loop perimeter.

Example installation

The drawing represents an installation of Luxor RAL 7016 automatic, pneumatic retractable bollards Ø 200 mm H 600 mm. The negative security device employed ensures that the bollard stays in the upright position even in case of blackouts.
The manual release system allows the bollard to descend manually whenever necessary.

A single Luxor CC6U200PRR Micro Technical Centre (with a supplementary COU2002A access add-on card) can manage two access points, one entrance and one exit.

Two types of loops are used: the (COBCL1425) security loop and the (COBCL1225) security/presence loop.

1. n° 8 **BPLUXE60-G**
   Pneumatic automatic retractable bollard
   H = 600 mm Ø = 200 mm. Grey RAL 7016.
2. n° 8 **BOEVB-LUX**
   NEGATIVE security device.
3. n° 8 **BOCOFE60**
   Folding disposable galvanised sheet metal case.
4. n° 1 **CC6U200PRR**
   Luxor Micro Technical Centre with U200 board for managing one access point without metal mass detection.
   With snap-in radiofrequency 433.92 MHz card.
   (Dimensions: 800 x 600 mm).
5. n° 1 **COREH02-LUX**
   Base for Micro Technical Centre.
6. n° 1 **COAF43S**
   Snap-in radiofrequency 433.92 MHz card for City3 and City6 controllers.
7. n° 2 **001TAM-432SA**
   Multi-user bi-channel 433.92 MHz transmitter with 16,777, 216 auto-learning combinations.
8. n° 1 **001TOP-A433N**
   Antenna
9. n° 1 **001TOP-RG58**
   Antenna cable.
10. n° 1 **COU2002A-LUX**
    Add-on card for managing a supplementary access point for the Luxor Micro Technical Centre. Without any command devices.
11. n° 1 **COPURA-LUX**
    Automatic condensation exhaust for the Luxor Micro Technical Centre compressor.
12. n° 2 **RDET2CM**
    BI-CHANNEL metal mass detector with memory function.
13. n° 2 **RSUPDET**
    Support structure for mounting the detector.
14. n° 2 **COBCL1225**
    Magnetic loop and loop feeder.
15. n° 2 **COBCL1425**
    Magnetic loop and loop feeder.
16. n° 8 **KITBEA-LUX**
    Link up kit for 1 automatic retractable bollard made up of:
    one air hose L = 25 m, electric cable L = 25 m, two T-fittings and four L-fittings.
17. n° 1 **CPF2RV08**
    Double traffic light with led lights Ø 100 mm mounted on a 180° swivel post.

18. n° 1 Half-way pit 400 x 600 mm
19. Tubing Ø 90 mm.
20. Tubing Ø 40 mm.

URBACO
AUTOMATIC BOLLARDS

The range

Basic elements

BPLUXE60-G
Pneumatic automatic retractable bollard
H = 600 mm Ø = 200 mm.
Gray RAL 7016.

BPLUXE60-R
Pneumatic automatic retractable bollard
H = 600 mm Ø = 200 mm.
Red RAL 3002.

BOCOFE60
Folding disposable case made of galvanised steel sheeting.

*** BOEVB-LUX**
NEGATIVE security device.

*** BOEVP-LUX**
POSITIVE security device.

*** KITBEA-LUX**
Link up Kit for 1 automatic retractable bollard made up of:
one air hose L = 25 m, electric cable L = 25 m, two T-fittings and four L-fittings.

Command elements

CC6U200PRR
Luxor Micro Technical Centre with U200 board for managing one access without metal mass detection complete with snap-in 433.92 MHz radiofrequency card. With air supply.

CC6U200PRS
Soundproofed Luxor Micro Technical Centre with U200 board for managing one access without metal mass detection complete with snap-in 433.92 MHz radiofrequency card. With air supply.

*** COU2002A-LUX**
Extension card for managing one supplementary access point for Luxor Micro Technical Centre. Without command devices.

*** COREH02-LUX**
Base for Micro Technical Centre.

C3S1U200P
City 3 standard control unit with U200 board for managing one access point without metal mass detection.

KITCITY3
Cemented foundation base for the City3.

C6S1U200P
City6 standard control unit with U200 board for managing one access point without metal mass detection.

KITCITY6
Cemented foundation base for the City6.

COU2002A
Extension card for managing one supplementary access point for Luxor Micro Technical Centre. Without command devices.

Metal mass detectors

*** RDET1CM**
Single-channel metal mass detector with memory function.

*** RDET2CM**
Two-channel metal mass detector with memory function.

*** RSUPDET**
Support for mounting the detector.

Note:
* Item supplied as a non-fitted accessory

Loops and loop feeders

COBCL0425
Magnetic loop and loop feeder.

COBCL0450
Magnetic loop and loop feeder.

COBCL0625
Magnetic loop and loop feeder.

COBCL0650
Magnetic loop and loop feeder.

COBCL0825
Magnetic loop and loop feeder.

COBCL0850
Magnetic loop and loop feeder.

COBCL1025
Magnetic loop and loop feeder.

COBCL1050
Magnetic loop and loop feeder.

COBCL1225
Magnetic loop and loop feeder.

COBCL1250
Magnetic loop and loop feeder.

COBCL1425
Magnetic loop and loop feeder.

COBCL1450
Magnetic loop and loop feeder.

COBCL1625
Magnetic loop and loop feeder.

COBCL1650
Magnetic loop and loop feeder.

COBCL1825
Magnetic loop and loop feeder.

COBCL1850
Magnetic loop and loop feeder.

Complementary accessories

*** COKCHGT-LUX**
Heater complete with thermostat. Power:
80W for the Luxor Micro Technical Centre cabinet.

COKCHCT
Heater complete with thermostat. Power:
80W for the City3 and City6 control unit.

*** COVF-LUX**
Ventilation kit for intensive use.
For the Luxor Micro Technical Centre cabinet.

*** COPURA-LUX**
Automatic condensation exhaust for the Luxor Micro Technical Centre.

COINTSA
Analog interphone for secondary stations with max reach of 300 m for the City3 and City6 controllers.

*** RINTC3A**
Analog interphone for main station with 1 to 3 directions for the City3 and City6 controllers.

COCAMPH
Colour PINHOLE video camera for the City3 and City6.

*** RMONTC14A**
Fourteen-inch monitor for the COCAMPH video camera.

*** RPUP10**
Remote console with one impulse button.

Note:
The code for this product is always composed of the same five letters (COBCL) and four numbers. The first two numbers stand for the loop perimeter. Urbaco provides eight different loop perimeters: 04 m, 06 m, 08 m, 10 m, 12 m, 14 m, 16 m, and 18 m. The last two numbers stand for the loop feeder length which can span from 25 m to 50 m.
For instance, if the loop perimeter is 14 m and the loop must be at least 25 m the code you must order is: COBCL1425.

URBACO
AUTOMATIC BOLLARDS

The range

Radio transmitters

001TOP-432NA
Multi-user 433.92 MHz two-channel transmitter with 4,096 combinations and auto-learning.

001TOP-434NA
Multi-user 433.92 MHz four-channel transmitter with 4,096 combinations and auto-learning.

001TAM-432SA
Multi-user 433.92 MHz two-channel transmitter with 16,777,216 combinations and auto-learning.

001AT01
Rolling code 433.92 MHz single-channel transmitter with 4,294,967,896 combinations.

001AT02
Rolling code 433.92 MHz two-channel transmitter with 4,294,967,896 combinations.

001AT04
Rolling code 433.92 MHz four-channel transmitter with 4,294,967,896 combinations.

Radio remote control

COAF43S
Snap-in 433.92 MHz radiofrequency card for the City3 and City6 controllers.

COAF43SR
Snap-in 433.92 MHz radiofrequency card for up to 25 001TAM-432SA transmitter for the City3 and City6 controllers.

CORBE4RC
IP54 external 433.92 MHz four-channel receiver, 12 - 24 V AC-DC for up to 500 transmitters, complete with one AT04 master transmitter.

*** 001TOP-A433N**
Antenna.

*** 001TOP-RG58**
Antenna cable.

Selectors and transponders

COS6000
Flush-mounted keypad selector for the City3 and City6 controllers.
1,679,616 combinations.

*** 001S6000**
Flush-mounted keypad selector to fit onto the 001CSS post.
1,679,616 combinations.

*** 001S0001**
Single-channel command board for the S6000 selector (1 code memory).

*** 001SET-J**
External key selector with aluminium alloy case, with lock protection door and lock cylinder.

COTSP01
Stand-alone transponder sensor for cards, keychains and TAG for up to 250 users for the City3 and City6 controllers.

*** 001TSP01**
Stand-alone transponder sensor for cards, keychains and TAG for up to 250 users.

COLEC6000
Control device for transponder sensors, magnetic loops and magnetic strip cards, complete with software for up to 6,000 users for the City3 and City6 controllers.

RBDGLG
Blank proximity card (read only) with printed number.

001CSS
Natural anodized aluminium post
H = 1 m for the SET-J and TSP01.

Note:
* Item supplied as a non-fitted accessory

CPF1RO08
Red/Amber Led traffic light
Ø 100 mm mounted on a
180° swivel post.

CPF1RV08
Red/Green Led traffic light
Ø 100 mm mounted on a
180° swivel post.

CPF2RO08
Red/Amber Led double traffic light
Ø 100 mm mounted on a
180° swivel post.

CPF2RV08
Red/Green Led double traffic light
Ø 100 mm mounted on a
180° swivel post.

CMF1RO08
Red/Amber Led traffic light
Ø 100 mm complete with anchoring brackets.

CMF1RV08
Red/Green Led traffic light
Ø 100 mm complete with anchoring brackets.

URBACO
AUTOMATIC BOLLARDS

Cylinder

Built on experience

The Cylinder retractable bollard comprises 25 years of Urbaco experience. At the top of the range, it consists of just three elements protected by the Monobloc patent. These are the case, the cover and the bollard head. Cylinder is made of nodular cast iron and is designed for controlling and managing flows on public and private streets.

With or without luminous crown, Cylinder bestows a touch of class wherever it is installed, so that aesthetics are not compromised despite its primary role of managing and restricting spaces. The range of RAL and customisable colours lets Urbaco meet any client request.

ISO EN 124: E600 Groupe 5
System certification

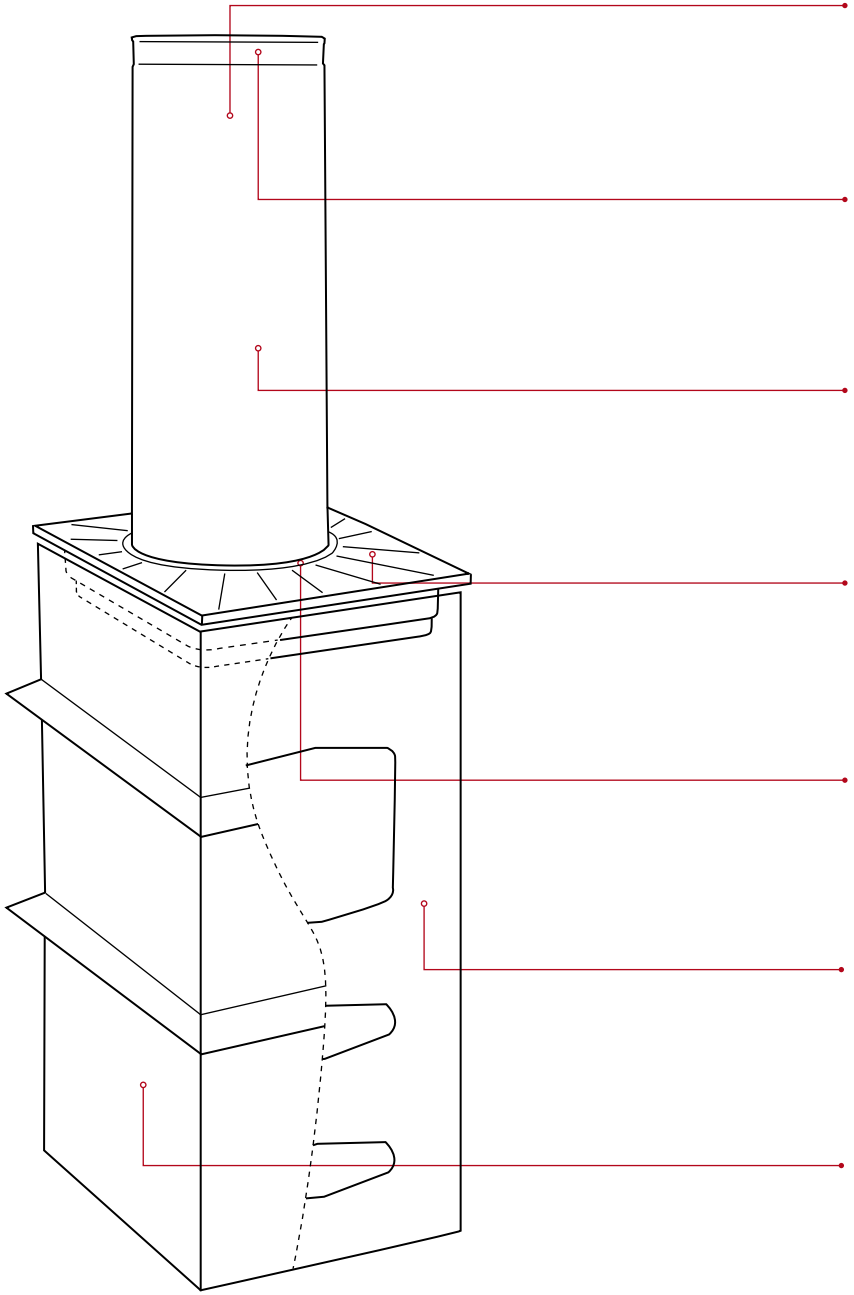
Ministero delle Infrastrutture e dei Trasporti

Omologazione per installazione sul suolo pubblico

protocollo n. 32658 del 1 aprile 2009

URBACO
AUTOMATIC BOLLARDS

Cylinder features



The paint job
A zinc coating ensures the hold of the thermosetting polyester powder, matt paint job. The standard colour is RAL 7016, but clients can choose to customise this even from the non-RAL range.

The signalling system
A class II white reflecting band or a luminous crown to easily signal the fully surfaced bollard.

The bollard
Sturdy and durable, made of nodular cast iron, it is cast in a single block. The structure of the integrated rail ensures wear-free sliding over time. Minimal periodic maintenance and minor adjustments are all it takes for it to slide up and down constantly and safely.

The cover
Provides protection to the bollard thanks to the jacketing which allows energy to be distributed in contrary components, and transmitting it to the buried lost casing.

The slide ring
Made of plastic, it absorbs any friction with the bollard, while damping noise.

The box
With four guide rails and built-in Monobloc bar. This system holds the hydraulic jack in place and parallel to the guides.

The disposable folding box
Easy and simple to carry and install, it is made of 10/10 thick, galvanised steel sheeting.

RAL 7016
RAL 6009
RAL 3020
RAL 9005

What is Cylinder

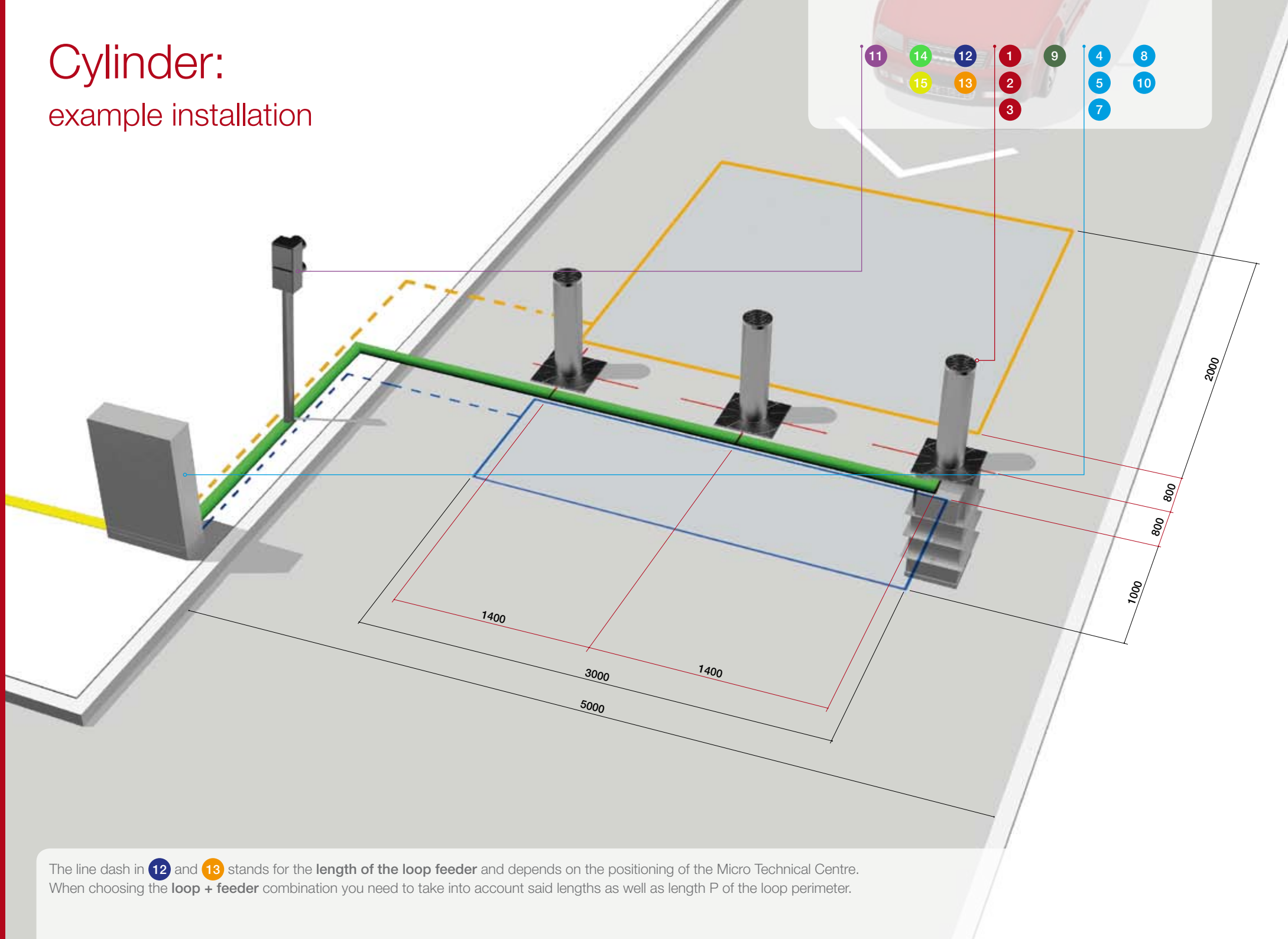
Cylinder, Urbaco's cast iron automatic, pneumatic retractable bollard is made to manage access points to both public and private streets.
Easy to install and traditionally reliable, it works with low-pressure compressed air, allowing just one technical centre to handle several bollards.

Through remote control commands, like transmitters, proximity cards, and code key pad, the bollard descends into the ground to allow vehicles to pass over it.

URBACO
AUTOMATIC BOLLARDS

Cylinder:

example installation



The line dash in 12 and 13 stands for the **length of the loop feeder** and depends on the positioning of the Micro Technical Centre.
When choosing the **loop + feeder** combination you need to take into account said lengths as well as length P of the loop perimeter.

Example installation

The drawing represents an installation of CYLINDER Ø 200 mm H 750 mm retractable bollards with luminous crown. The negative security device allows the bollard to stay in the fully-surfaced position even during blackouts. The bollards are controlled by CC1U200PPR Micro Technical Centre with a 5 L air supply.
Two loops are used and the functioning logic controls both exit and entrance.

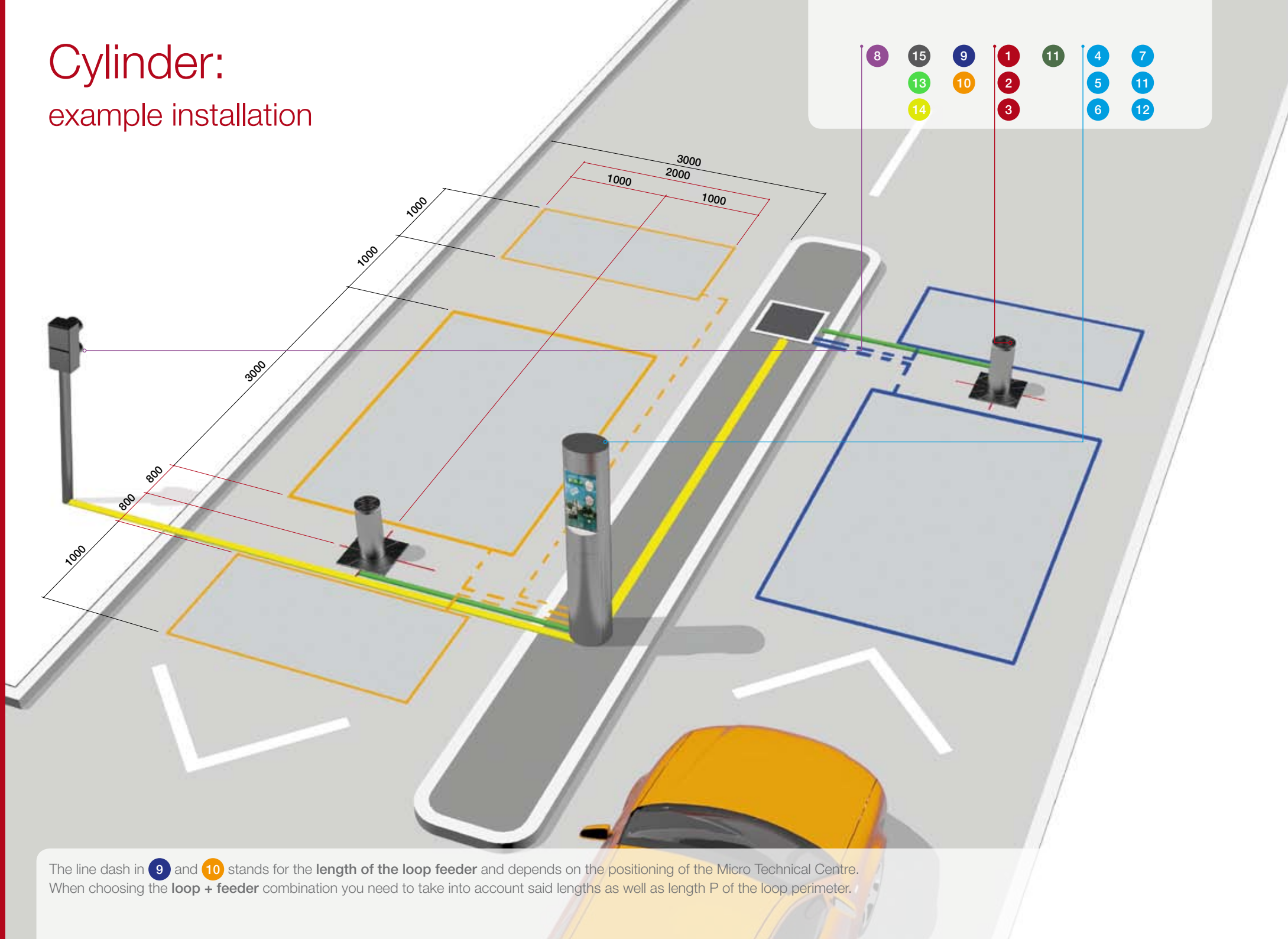
1. n° 3 **BPCLE75CLG**
   Pneumatic automatic retractable bollard
   H = 750 mm Ø = 200 mm with luminous crown.
2. n° 3 **BOCOFE959**
   Disposable folding box in galvanised steel sheeting.
3. n° 3 **BOCLPAR**
   Non-return device.
4. n° 1 **CC0011PPR**
   Micro Technical Centre complete with U200 control board to manage one access point without metal mass detection. With 5 L air supply.
5. n° 1 **COAF43S**
   Snap-in 433.92 MHz radiofrequency card for the City3 and City6 controllers.
6. n° 1 **001TOP-432NA**
   Multi-user 433.92 MHz two-channel transmitter with 4.096 combinations and auto-learning.
7. n° 1 **001TOP-A433N**
   Antenna.
8. n° 1 **001TOP-RG58**
   Antenna cable.
9. n° 3 **KITBEA25**
   Link up Kit for 1 automatic retractable bollard made up of:
   one air hose, electric cable, two L-fittings and one T-fitting.
10. n° 1 **COU200ECSC**
    Functioning logic for the U200 control board:
    controlled entrance and exit.
11. n° 1 **CPF1RV08**
    Red/Green Led traffic light Ø 100 mm mounted on a 180° swivel post.
12. n° 1 **COBCL0825**
    Magnetic loop and loop feeder.
13. n° 1 **COBCL1025**
    Magnetic loop and loop feeder.

14. Tubing Ø 90 mm.
15. Tubing Ø 40 mm.

URBACO
AUTOMATIC BOLLARDS

Cylinder:

example installation



The line dash in 9 and 10 stands for the **length of the loop feeder** and depends on the positioning of the Micro Technical Centre. When choosing the **loop + feeder** combination you need to take into account said lengths as well as length P of the loop perimeter.

Example installation

The drawing represents an installation of CYLINDER Ø 250 mm H 500 mm retractable bollards with luminous crown. The negative security device allows the bollard to stay in the fully-surfaced position even during blackouts. The bollards are controlled by a City6 C6S10000PS with PLC AT224 control unit. The unit features a transponder sensor for cards.
Two loops are used and the functioning logic requires that the exit is free and that the entrance is controlled by a TSP01 reader.

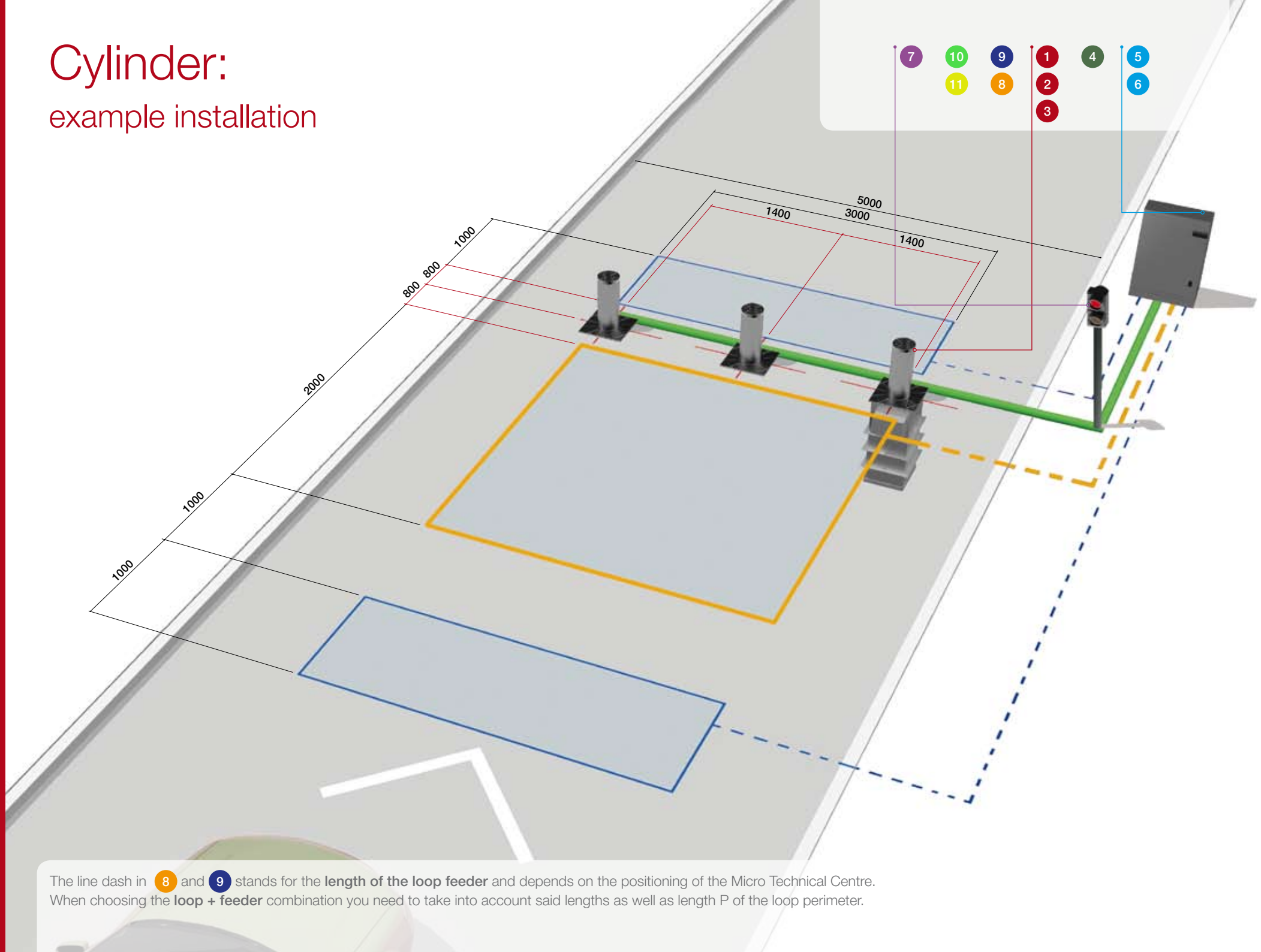
1. n° 2 **BPCLPF50CLG**
   Pneumatic automatic retractable bollard
   H = 500 mm Ø = 250 mm with luminous crown.
2. n° 2 **BOCOFF671**
   Disposable folding box in galvanised steel sheeting.
3. n° 1 **BOCLPAR**
   Non-return device.
4. n° 1 **C6S10000PS**
   Complete PLC AT224 standard control unit to manage one access point without metal mass detection.
5. n° 1 **COTSP01**
   Stand-alone transponder sensor for cards, keychains and TAG for up to 250 users for the City3 and City6 contol units.
6. n° 1 **COAT224EOSC**
   Functioning logic for the PLC AT224: controller entrance and exit.
7. n° 1 **COAT224SA**
   Functioning logic for the PLC AT224: automatic exit.
8. n° 1 **CPF1RV08**
   Red/Green Ø 100 mm traffic light on 180° swivel post.
9. n° 1 **COBCLEC25**
   Loop and loop feeder for functioning logic with controller entrance and exit.
10. n° 1 **COBCLSA25**
    Loop and loop feeder for functioning logic with automatic exit.
11. n° 2 **KITBEA25**
    Link up Kit for 1 automatic retractable bollard made up of:
    one air hose, electric cable, two L-fittings and one T-fitting.
12. n° 1 **KITCITY6**
    Cemented foundation base for the City6.

13. Tubing Ø 90 mm.
14. Tubing Ø 40 mm.
15. Half-way pit 400 x 400 mm.

URBACO
AUTOMATIC BOLLARDS

Cylinder:

example installation



The line dash in 8 and 9 stands for the **length of the loop feeder** and depends on the positioning of the Micro Technical Centre.
When choosing the **loop + feeder** combination you need to take into account said lengths as well as length P of the loop perimeter.

Example installation

The drawing represents an installation of CYLINDER Ø 200 mm H 500 mm automatic pneumatic retractable bollards. The negative security device allows the bollard to stay in the fully-surfaced position even during blackouts. The bollards are controlled by CC10000P with PLC Logo! Micro Technical Centre.
Two loops are used and the functioning logic controls both exit and entrance.

1. n° 3 **BPCLPE50**
   Pneumatic automatic retractable bollar H = 500 mm Ø = 200 mm.
2. n° 3 **BOCOFE664**
   Disposable folding box in galvanised steel sheeting.
3. n° 1 **BOCLPAR**
   Non-return device.
4. n° 3 **KITBEA25**
   Link up Kit for 1 automatic retractable bollard made up of: one air hose, electric cable, two L-fittings and one T-fitting.
5. n° 1 **CC10000P**
   Micro Technical Centre complete with PLC LOGO! for managing one access point without metal mass detection.
6. n° 1 **COLOGOSA**
   Functioning logic for the PLC LOGO!: automatic exit.
7. n° 1 **CPF1RV08**
   Red/Green Ø 100 mm traffic light on 180° swivel post.
8. n° 1 **COBCL1025**
   Loop and loop feeder.
9. n° 2 **COBCL0825**
   Loop and loop feeder.

10. Tubing Ø 90 mm.
11. Tubing Ø 40 mm.

URBACO
AUTOMATIC BOLLARDS

The range

Basic elements

BPCLPE50
Pneumatic automatic retractable bollard
H = 500 mm Ø = 200 mm.

BPCLPE75CLG
Pneumatic automatic retractable bollard
H = 750 mm Ø = 200 mm with luminous crown.

BPCLPF50CLG
Pneumatic automatic retractable bollard
H = 500 mm Ø = 250 mm with luminous crown.

TPUGU
RAL 7016 structured varnishing.

TPRALSTD
Standard RAL varnishing. Colours: RAL 9005 black, RAL 3020 red or RAL 6009 green.

TPOFRAL
Non-standard RAL varnishing (EXCLUDING RAL 7016, 9005, 3020 and 6009).

TPURALSP
Special non-RAL varnishing.

BOCOFE664
Folding lost casing in galvanised steel sheeting.

BOCOFE959
Folding lost casing in galvanised steel sheeting.

BOCOFF671
Folding lost casing in galvanised steel sheeting.

BOEVB
NEGATIVE security device.

BOCLPAR
Non-return device.

Command elements

CC1U200P
Micro Technical Centre complete with U200 control board for managing one access point without metal mass detection.

CC10000P
Micro Technical Centre complete with PLC LOGO! control board for managing one access point without metal mass detection.

CC1U200PPR
Micro Technical Centre complete with U200 control board for managing one access point without metal mass detection. With 5L air supply.

C3S1U200P
Standard control unit complete with U200 electronic board for managing one access point without metal mass detection.
RAL 7016 color.

C3S10000P
Standard control unit complete with PLC AT224 for managing one access point without metal mass detection.
RAL 7016 color.

C3S10000PS
Complete PLC AT224 standard control unit to manage one access point without metal mass detection.
RAL 7016 color.

KITCITY3
Cemented foundation base for the City3.

C6S1U200P
Standard control unit complete with U200 control board for managing one access point without metal mass detection.
RAL 7016 color.

C6S10000P
Standard control unit complete with PLC LOGO! for managing one access point without metal mass detection.
RAL 7016 color.

C6S10000PS
Complete PLC AT224 standard control unit to manage one access point without metal mass detection.
RAL 7016 color.

KITCITY6
Cemented foundation base for the City6.

Logics

COU200ECSC
Functioning logic for the U200 control board: controlled entrance and exit.

COU200ECSA
Functioning logic for the U200 control board: controlled entrance and automatic exit.

COU200SA
Functioning logic for the U200 control board: automatic exit.

COLOGOEOSC
Functioning logic for the PLC LOGO!: controlled entrance or exit.

COLOGOECSC
Functioning logic for the PLC LOGO!: controlled entrance and exit.

COLOGOECSA
Functioning logic for the PLC LOGO!: controlled entrance and automatic exit.

COLOGOSA
Functioning logic for the PLC LOGO!: automatic exit.

COAT224EOSC
Functioning logic for the PLC AT224: controlled entrance or exit.

COAT224ECSC
Functioning logic for the PLC AT224: controlled entrance and exit.

COAT224ECSA
Functioning logic for the PLC AT224: controlled entrance and automatic exit.

COAT224SA
Functioning logic for the PLC AT224: automatic exit.

Note:
* Item supplied as a non-fitted accessory

Metal mass detectors

*** RDET1CM**
Single-channel metal mass detector with memory function.

*** RDET2CM**
Bi-channel metal mass detector with memory function.

*** RSUPDET**
Support structure for mounting the detector.

Loops and loop feeders

COBCL0425
Magnetic loop and loop feeder.

COBCL0450
Magnetic loop and loop feeder.

COBCL0625
Magnetic loop and loop feeder.

COBCL0650
Magnetic loop and loop feeder.

COBCL0825
Magnetic loop and loop feeder.

COBCL0850
Magnetic loop and loop feeder.

COBCL1025
Magnetic loop and loop feeder.

COBCL1050
Magnetic loop and loop feeder.

COBCL1225
Magnetic loop and loop feeder.

COBCL1250
Magnetic loop and loop feeder.

COBCL1425
Magnetic loop and loop feeder.

COBCL1450
Magnetic loop and loop feeder.

COBCL1625
Magnetic loop and loop feeder.

COBCL1650
Magnetic loop and loop feeder.

COBCL1825
Magnetic loop and loop feeder.

COBCL1850
Magnetic loop and loop feeder.

Loops and loop feeders for logics

COBCLEC25
Loop and loop feeder for functioning logic with controlled entrance or exit.

COBCLEC50
Loop and loop feeder for functioning logic with controlled entrance or exit.

COBCLEA25
Loop and loop feeder for functioning logic with controlled entrance and automatic exit.

COBCLEA50
Loop and loop feeder for functioning logic with controlled entrance and automatic exit.

COBCLES25
Loop and loop feeder for functioning logic with controlled entrance and exit.

COBCLES50
Loop and loop feeder for functioning logic with controlled entrance and exit.

COBCLSA25
Loop and loop feeder for functioning logic with automatic exit.

COBCLSA50
Loop and loop feeder for functioning logic with automatic exit.

Note:
The code for this product is always composed of the same five letters (COBCL) and four numbers. The first two numbers stand for the loop perimeter. Urbaco provides eight different loop perimeters: 04 m, 06 m, 08 m, 10 m, 12 m, 14 m, 16 m, and 18 m. The last two numbers stand for the loop feeder length which can span from 25 m to 50 m.
For instance, if the loop perimeter is 14 m and the loop must be at least 25 m the code you must order is: COBCL1425.

URBACO
AUTOMATIC BOLLARDS

The range

Selectors and transponders

001TOP-432NA
Multi-user 433.92 MHz two-channel transmitter with 4,096 combinations and auto-learning.

001TOP-434NA
Multi-user 433.92 MHz four-channel transmitter with 4,096 combinations and auto-learning.

001TAM-432SA
Multi-user 433.92 MHz two-channel transmitter with 16,777,216 combinations and auto-learning.

001AT01
Rolling code 433.92 MHz single-channel transmitter with 4,294,967,896 combinations.

001AT02
Rolling code 433.92 MHz two-channel transmitter with 4,294,967,896 combinations.

001AT04
Rolling code 433.92 MHz four-channel transmitter with 4,294,967,896 combinations.

Radio remote control

COAF43S
Snap-in 433.92 MHz radiofrequency card for the City3 and City6 controllers.

COAF43SR
Snap-in 433.92 MHz radiofrequency card for up to 25 001TAM-432SA transmitter for the City3 and City6 controllers.

CORBE4RC
IP54 external 433.92 MHz four-channel receiver, 12 - 24 V AC-DC for up to 500 transmitters, complete with one AT04 master transmitter.

*** 001TOP-A433N**
Antenna.

*** 001TOP-RG58**
Antenna cable.

Radio transmitters

COS6000
Flush-mounted keypad selector for the City3 and City6 controllers with 1,679,616 combinations.

*** 001SET-J**
External key selector with aluminium alloy case, with lock protection door and lock cylinder.

COTSP01
Stand-alone transponder sensor for cards, keychains and TAG for up to 250 users for the City3 and City6 controllers.

*** 001TSP01**
Stand-alone transponder sensor for cards, keychains and TAG for up to 250 users.

COLEC6000
Control device for transponder sensors, magnetic loops and magnetic strip cards, complete with software for up to 6,000 users for the City3 and City6 controllers.

RBDGLG
Blank proximity card (read only) with printed number.

*** 001CSS**
Natural anodized aluminium post H = 1 m for the SET-J and TSP01.

Note:
* Item supplied as a non-fitted accessory

Signalling devices

CPF1RO08
Red/Amber Led traffic light
Ø 100 mm mounted on a
180° swivel post.

CPF1RV08
Red/Green Led traffic light
Ø 100 mm mounted on a
180° swivel post.

CPF2RO08
Red/Amber Led double traffic light
Ø 100 mm mounted on a
180° swivel post.

CPF2RV08
Red/Green Led double traffic light
Ø 100 mm mounted on a
180° swivel post.

CMF1RO08
Red/Amber Led traffic light
Ø 100 mm complete with anchoring brackets.

CMF1RV08
Red/Green Led traffic light
Ø 100 mm complete with anchoring brackets.

Complementary accessories

KITBEA25
Link up Kit for 1 automatic retractable bollard made up of: one air hose, electric cable, two L-fittings and one T-fitting.
Cable length = 25 m.

KITBEA50
Link up Kit for 1 automatic retractable bollard made up of: one air hose, electric cable, two L-fittings and one T-fitting.
Cable length = 50 m.

KITBEA100
Link up Kit for 1 automatic retractable bollard made up of: one air hose, electric cable, two L-fittings and one T-fitting.
Cable length = 100 m.

BOCGF50
Heater complete with thermostat.
Power: 50 W.

BOCGF75
Heater complete with thermostat.
Power: 75 W.

COINTSA
Analog interphone for secondary stations with max reach of 300 m for the City3 and City6 controllers.

RINTC3A
Analog interphone for main station with 1 to 3 directions for the City3 and City6 controllers.

COCAMPH
Colour video camera for the City3 and City6.

RMONTC14A
14-inch monitor for the COCAMPH video camera.

RPUP10
Remote console with one impulse button.

URBACO
AUTOMATIC BOLLARDS

Vendôme

Modern and elegant

Safe and secure all round. With Vendôme you know you have made the right choice, because it is easily integrated in any setting.

Thanks to its 316 L stainless steel coating which makes it unique. Urbaco offers a vast range of products, among which Vendôme sticks out due to its sleek design and multiple applications.

ISO EN 124: E600 Groupe 5

System certification

Ministero delle Infrastrutture e dei Trasporti

Omologazione per installazione sul suolo pubblico

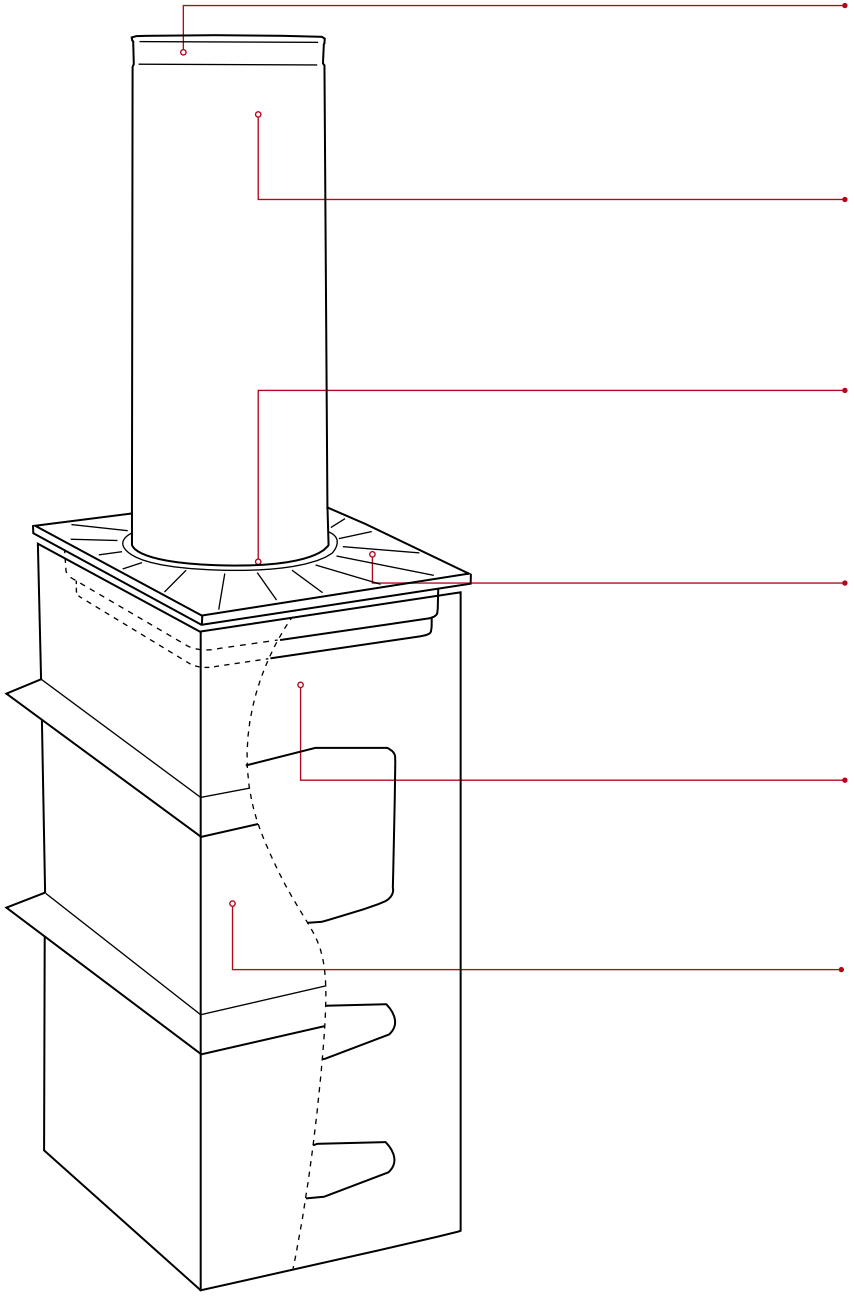
protocollo n. 32658 del 1 aprile 2009

URBACO

AUTOMATIC BOLLARDS

Vendôme features

INOX 316L



The signal system
A class II yellow reflecting band to easily signal the fully surfaced bollard.

The bollard
Sturdy and durable and made of 316 L stainless steel. The structure of the integrated rail ensures wear-free sliding over time. Minimal periodic maintenance and minor adjustments are all it takes for it to slide up and down constantly and safely.

The slide ring
Made of plastic, it absorbs any friction with the bollard, while damping noise.

The cover
Provides protection to the bollard thanks to the jacketing which allows energy to be distributed in contrary components, and transmitting it to the buried foundation box.

The box
With four guide rails and built-in Monobloc bar. This system holds the hydraulic jack in place and parallel to the guides.

The disposable folding box
Easy and simple to carry and install, it is made of 10/10 thick, galvanised steel sheeting.

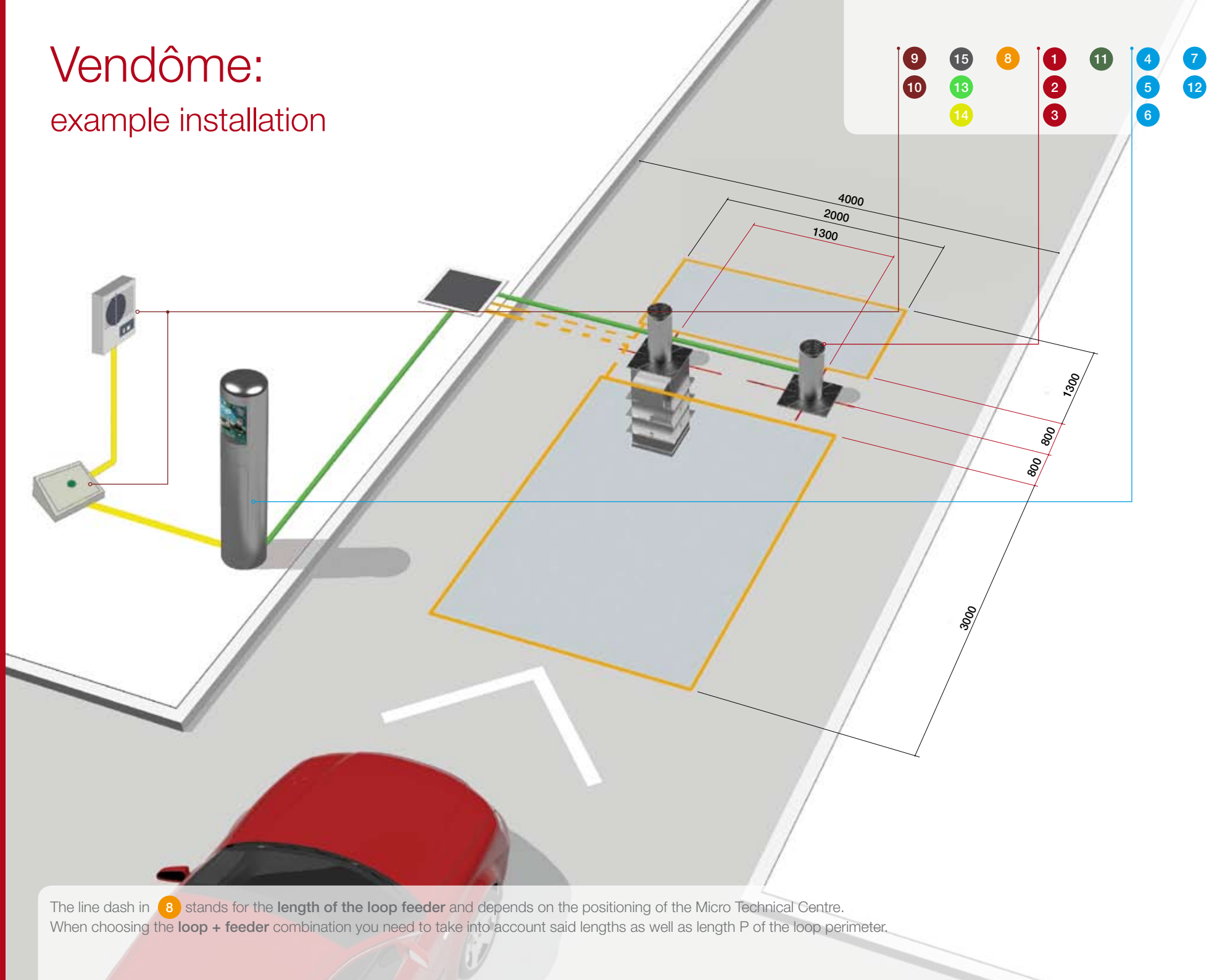
What is Vendôme

Vendôme is ideal for modern architectural settings. It also fits perfectly in historical town centres and areas subject to corrosive agents. It's also suitable for interior furnishing where it adds value to entrance halls at shopping malls, art galleries, etc.

URBACO
AUTOMATIC BOLLARDS

Vendôme:

example installation



The line dash in 8 stands for the **length of the loop feeder** and depends on the positioning of the Micro Technical Centre.
When choosing the **loop + feeder** combination you need to take into account said lengths as well as length P of the loop perimeter.

Example installation

The drawing represents an installation of VENDÔME Ø 250 mm H 500 mm pneumatic automatic retractable bollards. The negative security device allows the bollard to stay in the fully-surfaced position even during blackouts. The bollards are controlled by a City3 C3S1U200P control unit with a U200 control board.
Two loops are used and the functioning logic controls both exit and entrance with TSP01 reader, interphone RINTC3A and traffic light.

1. n° 2 **BPVDMF50**
   Pneumatic automatic retractable bollard H = 500 mm Ø = 200 mm.
2. n° 2 **BOCOFF671**
   Folding disposable galvanised sheet metal case.
3. n° 1 **BOCLPAR**
   Non-return device.
4. n° 1 **C3S1U200P**
   Standard control unit complete with U200 control board for managing one access point without metal mass detection.
5. n° 1 **COTSP01**
   Stand-alone transponder sensor for cards, keychains and TAG for up to 250 users for the City3 and City6 controllers.
6. n° 1 **COINTSA**
   Analog interphone for secondary stations with max reach of 300 m for the City3 and City6 controllers.
7. n° 1 **COU200ECSC**
   Functioning logic for the U200 control board: controlled entrance and exit.
8. n° 2 **COBCLEC25**
   Loop and loop feeder for functioning logic with controller entrance and exit.
9. n° 1 **RINTC3A**
   Analog interphone for main station with 1 to 3 directions for the City3 and City6 controllers.
10. n° 1 **RPUP10**
    Remote console with one impulse button.
11. n° 2 **KITBEA25**
    Link up Kit for 1 automatic retractable bollard made up of: one air hose, electric cable, two L-fittings and one T-fitting. Cable length = 25 m
12. n° 1 **KITCITY3**
    Cemented foundation base for the City3.

13. Tubing Ø 90 mm.
14. Tubing Ø 40 mm.
15. Half-way pit 400 x 400 mm.

URBACO
AUTOMATIC BOLLARDS

The range

Basic elements

BPVDMF50
Pneumatic automatic retractable bollard
H = 500 mm Ø = 200 mm.

BOCOFF671
Folding disposable galvanised sheet metal case.

BOEVB
NEGATIVE security device.

BOCLPAR
Non-return device.

Command elements

CC1U200P
Micro Technical Centre complete with U200 control board for managing one access point without metal mass detection.

CC10000P
Micro Technical Centre complete with PLC LOGO! control board for managing one access point without metal mass detection.

CC1U200PPR
Micro Technical Centre complete with U200 control board for managing one access point without metal mass detection. With 5l air supply.

C3S1U200P
Standard control unit complete with U200 control board for managing one access point without metal mass detection.
RAL 7016 color.

C3S10000P
Standard control unit complete with PLC AT224 for managing one access point without metal mass detection.
RAL 7016 color.

C3S10000PS
Complete PLC AT224 standard control unit to manage one access point without metal mass detection.
RAL 7016 color.

KITCITY3
Cemented foundation base for the City3.

C6S1U200P
Standard control unit complete with U200 control board for managing one access point without metal mass detection.
RAL 7016 color.

C6S10000P
Standard control unit complete with PLC LOGO! for managing one access point without metal mass detection.
RAL 7016 color.

C6S10000PS
Complete PLC AT224 standard control unit to manage one access point without metal mass detection.
RAL 7016 color.

KITCITY6
Cemented foundation base for the City6.

Logics

COU200ECSC
Functioning logic for the U200 control board: controlled entrance and exit.

COU200ECSA
Functioning logic for the U200 control board: controlled entrance and automatic exit.

COU200SA
Functioning logic for the U200 control board: automatic exit.

COLOGOEOSC
Functioning logic for the PLC LOGO!: controlled entrance or exit.

COLOGOECSC
Functioning logic for the PLC LOGO!: controlled entrance and exit.

COLOGOECSA
Functioning logic for the PLC LOGO!: controlled entrance and automatic exit.

COLOGOSA
Functioning logic for the PLC LOGO!: automatic exit.

COAT224EOSC
Functioning logic for the PLC AT224: controlled entrance or exit.

COAT224ECSC
Functioning logic for the PLC AT224: controlled entrance and exit.

COAT224ECSA
Functioning logic for the PLC AT224: controlled entrance and automatic exit.

COAT224SA
Functioning logic for the PLC AT224: automatic exit.

Note:
* Item supplied as a non-fitted accessory

Metal mass detectors

*** RDET1CM**
Single-channel metal mass detector with memory function.

*** RDET2CM**
Bi-channel metal mass detector with memory function.

*** RSUPDET**
Support structure for mounting the detector.

Loops and loop feeders

COBCL0425
Magnetic loop and loop feeder.

COBCL0450
Magnetic loop and loop feeder.

COBCL0625
Magnetic loop and loop feeder.

COBCL0650
Magnetic loop and loop feeder.

COBCL0825
Magnetic loop and loop feeder.

COBCL0850
Magnetic loop and loop feeder.

COBCL1025
Magnetic loop and loop feeder.

COBCL1050
Magnetic loop and loop feeder.

COBCL1225
Magnetic loop and loop feeder.

COBCL1250
Magnetic loop and loop feeder.

COBCL1425
Magnetic loop and loop feeder.

COBCL1450
Magnetic loop and loop feeder.

COBCL1625
Magnetic loop and loop feeder.

COBCL1650
Magnetic loop and loop feeder.

COBCL1825
Magnetic loop and loop feeder.

COBCL1850
Magnetic loop and loop feeder.

Note:
The code for this product is always composed of the same five letters (COBCL) and four numbers. The first two numbers stand for the loop perimeter. Urbaco provides eight different loop perimeters: 04 m, 06 m, 08 m, 10 m, 12 m, 14 m, 16 m, and 18 m. The last two numbers stand for the loop feeder length which can span from 25 m to 50 m.
For instance, if the loop perimeter is 14 m and the loop must be at least 25 m the code you must order is: COBCL1425.

URBACO
AUTOMATIC BOLLARDS

The range

Radio transmitters

001TOP-432NA
Multi-user 433.92 MHz two-channel transmitter with 4,096 combinations and auto-learning.

001TOP-434NA
Multi-user 433.92 MHz four-channel transmitter with 4,096 combinations and auto-learning.

001TAM-432SA
Multi-user 433.92 MHz two-channel transmitter with 16,777,216 combinations and auto-learning.

001AT01
Rolling code 433.92 MHz single-channel transmitter with 4,294,967,896 combinations.

001AT02
Rolling code 433.92 MHz two-channel transmitter with 4,294,967,896 combinations.

001AT04
Rolling code 433.92 MHz four-channel transmitter with 4,294,967,896 combinations.

Radio remote control

COAF43S
Snap-in 433.92 MHz radiofrequency card for the City3 and City6 controllers.

COAF43SR
Snap-in 433.92 MHz radiofrequency card for up to 25 001TAM-432SA transmitter for the City3 and City6 controllers.

CORBE4RC
IP54 external 433.92 MHz four-channel receiver, 12-24V AC-DC for up to 500 transmitters, complete with one AT04 master transmitter.

*** 001TOP-A433N**
Antenna.

*** 001TOP-RG58**
Antenna cable.

Selectors and transponders

COS6000
Flush-mounted keypad selector for the City3 and City6 controllers with 1,679,616 combinations.

*** 001SET-J**
External key selector with aluminium alloy case, with lock protection door and lock cylinder.

COTSP01
Stand-alone transponder sensor for cards, keychains and TAG for up to 250 users for the City3 and City6 controllers.

*** 001TSP01**
Stand-alone transponder sensor for cards, keychains and TAG for up to 250 users.

COLEC6000
Control device for transponder sensors, magnetic loops and magnetic strip cards, complete with software for up to 6,000 users for the City3 and City6 controllers.

RBDGLG
Blank proximity card (read only) with printed number.

*** 001CSS**
Natural anodized aluminium post H = 1 m for the SET-J and TSP01.

Note:
* Item supplied as a non-fitted accessory

Signalling devices

CPF1RO08
Red/Amber Led traffic light
Ø 100 mm mounted on a
180° swivel post.

CPF1RV08
Red/Green Led traffic light
Ø 100 mm mounted on a
180° swivel post.

CPF2RO08
Red/Amber Led double traffic light
Ø 100 mm mounted on a
180° swivel post.

CPF2RV08
Red/Green Led double traffic light
Ø 100 mm mounted on a
180° swivel post.

CMF1RO08
Red/Amber Led traffic light
Ø 100 mm complete with anchoring brackets.

CMF1RV08
Red/Green Led traffic light
Ø 100 mm complete with anchoring brackets.

Complementary accessories

KITBEA25
Link up Kit for 1 automatic retractable bollard made up of: one air hose, electric cable, two L-fittings and one T-fitting.
Cable length = 25 m.

KITBEA50
Link up Kit for 1 automatic retractable bollard made up of: one air hose, electric cable, two L-fittings and one T-fitting.
Cable length = 50 m.

KITBEA100
Link up Kit for 1 automatic retractable bollard made up of: one air hose, electric cable, two L-fittings and one T-fitting.
Cable length = 100 m.

BOCGF50
Heater complete with thermostat.
Power: 50 W.

BOCGF75
Heater complete with thermostat.
Power: 75 W.

COINTSA
Analog interphone for secondary stations with max reach of 300 m for the City3 and City6 controllers.

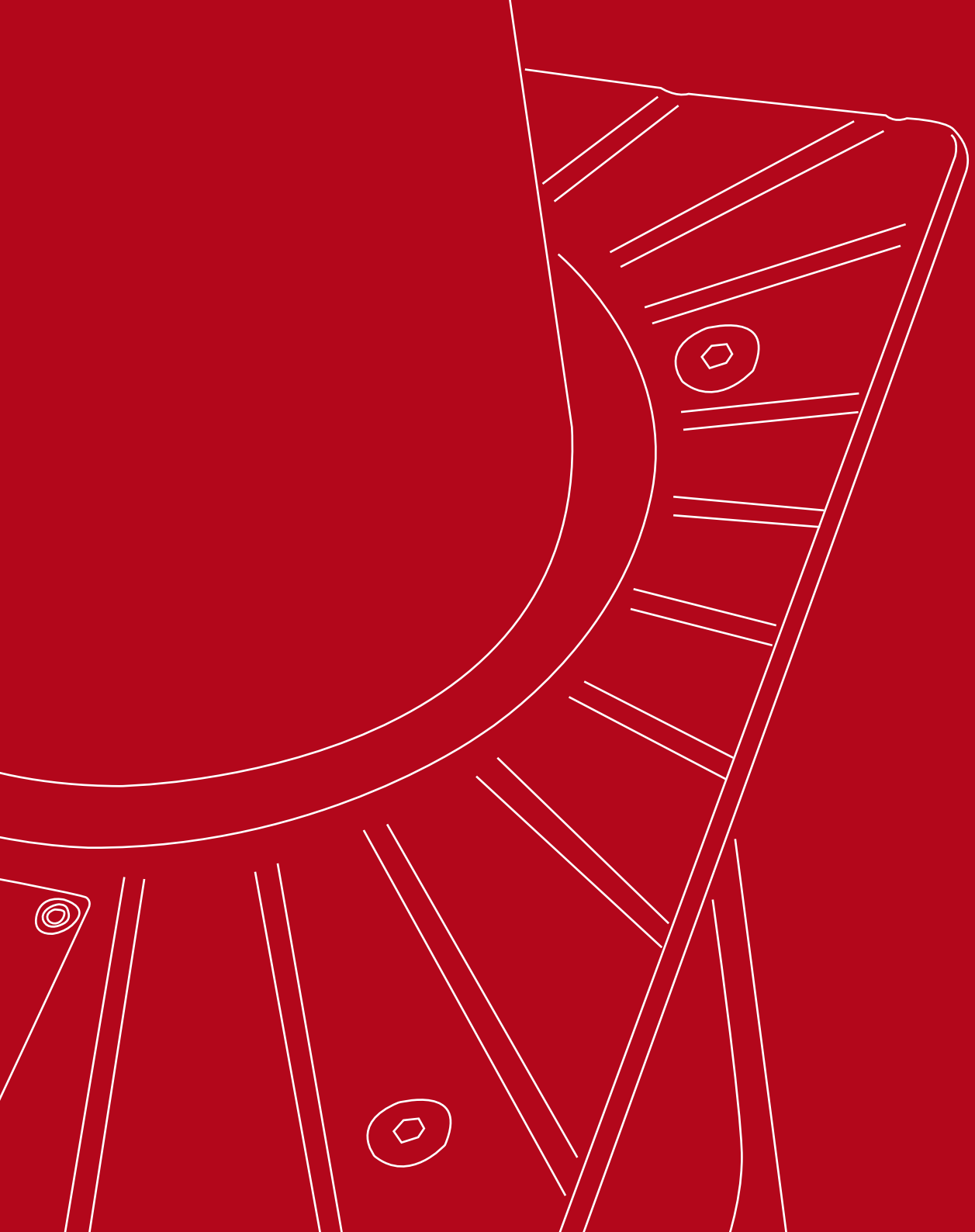
RINTC3A
Analog interphone for main station with 1 to 3 directions for the City3 and City6 controllers.

COCAMPH
Colour video camera for the City3 and City6.

RMONTC14A
14-inch monitor for the COCAMPH video camera.

RPUP10
Remote console with one impulse button.

URBACO
AUTOMATIC BOLLARDS



Semi-automatic Bollards

URBACO
AUTOMATIC BOLLARDS

As easy as using your house key

Release the bollard using the key, press the bollard cover with your foot and push it into the ground. The bollard locks into place automatically.

It's simple, easy, and Urbaco! Release the bollard again using the key and the bollard rises by itself. The semi-automatic bollard is Urbaco's proposal for managing little frequented spaces.

For example, a city square that is open to the public only a few times a month, or a reserved area of sorts.

URBACO
AUTOMATIC BOLLARDS

Cylinder

Tradition that stays fashionable

Urbaco owes its success to the quality of its products, their vast range and many details. Aesthetics has always been at the forefront, for the importance of integrating with any architectural style and has always been a starting point in the company's research and development. Cylinder is successful also thanks to its adaptability to the most diverse of contexts.

URBACO
AUTOMATIC BOLLARDS

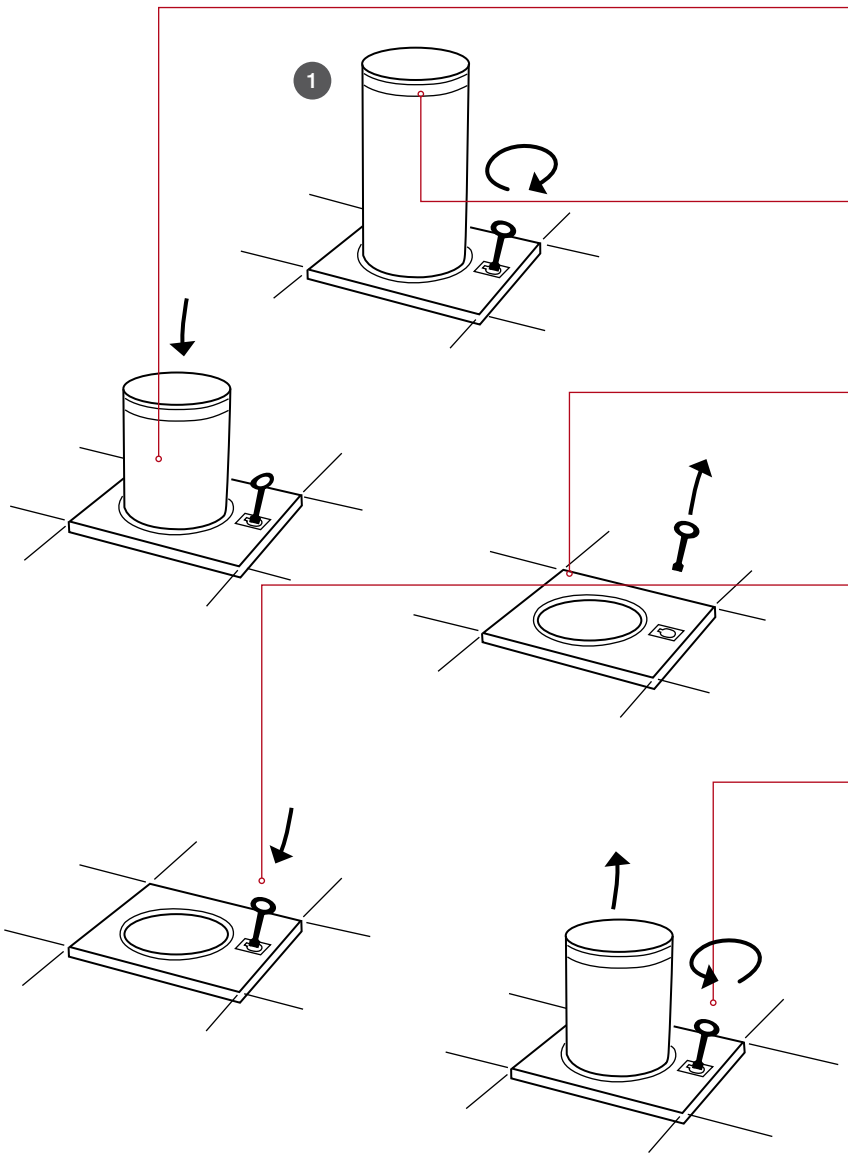
Vendôme

Always and everywhere

Vendôme owes its good fortune to the material that makes it unique at Urbaco. The stainless steel of the guide lining makes it the ideal choice to be employed in harsh atmospheric settings where its corrosion resistant qualities come into their own.
Vendôme, the solution for managing access points in ports and maritime stations.

URBACO
AUTOMATIC BOLLARDS

Cylinder and Vendôme features



The material
Cylinder is made of nodular cast iron – while Vendôme is also lined with 316 L stainless steel.

Signalling
A class II reflective band makes the bollard highly visible when fully surfaced.

The cover
To protect the bollard when it is below ground.

The customised key
The semi-automatic bollards are all supplied with an 11 mm triangle key; other key shapes are available on request.

The key lock
A small trap door protects the keylock.

INOX 316L
RAL 7016
RAL 6009
RAL 3020
RAL 9005

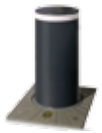
Practical, simple and comfortable

- 1. Insert the key into the lock and turn it clockwise: the bollard releases.
- 2. Push the bollard downwards.
- 3. The bollard locks into place. Remove the key.
- 4. Insert the key into the lock.
- 5. Turn the key counter-clockwise: the bollard automatically releases and surfaces to lock into place.

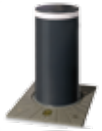
URBACO
AUTOMATIC BOLLARDS

The range

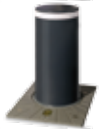
Basic elements



BMCLPE50
Semi-automatic retractable bollard
CYLINDER
H = 500 mm Ø = 200 mm.
Note: folding lost casing
BOCOFE664



BMCLPF50
Semi-automatic retractable bollard
CYLINDER
H = 500 mm Ø = 250 mm.
Note: folding lost casing
BOCOFF671



BMCLPE75
Semi-automatic retractable bollard
CYLINDER
H = 750 mm Ø = 250 mm.
Note: folding lost casing
BOCOFE959

TPUGU
RAL 7016 structured varnishing.

TPRALSTD
Standard RAL varnishing. Colours: RAL 9005 black, RAL 3020 red or RAL 6009 green.

TPOFRAL
Non-standard RAL varnishing (EXCLUDING RAL 7016, 9005, 3020 and 6009).

TPURALSP
Special non-RAL varnishing.

BMVDMF50
Semi-automatic retractable bollard
VENDÔME
H = 500 mm Ø = 250 mm.
Note: folding lost casing
BOCOFF671

Folding lost casings

BOCOFE664
Folding lost casing in galvanised steel sheeting.

BOCOFF671
Folding lost casing in galvanised steel sheeting.

BOCOFE959
Folding lost casing in galvanised steel sheeting.

Keys

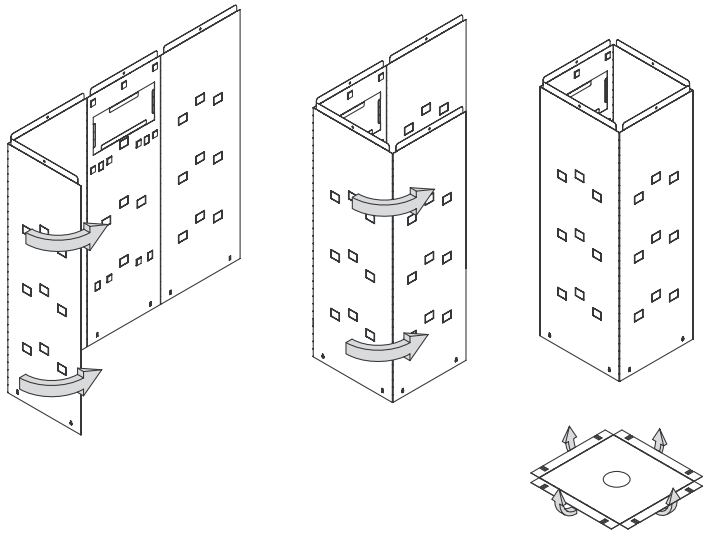
BOCLESL11
Cast iron E11 triangle key.

BOTIVE11

Release rod for E11 triangle lock.

URBACO
AUTOMATIC BOLLARDS

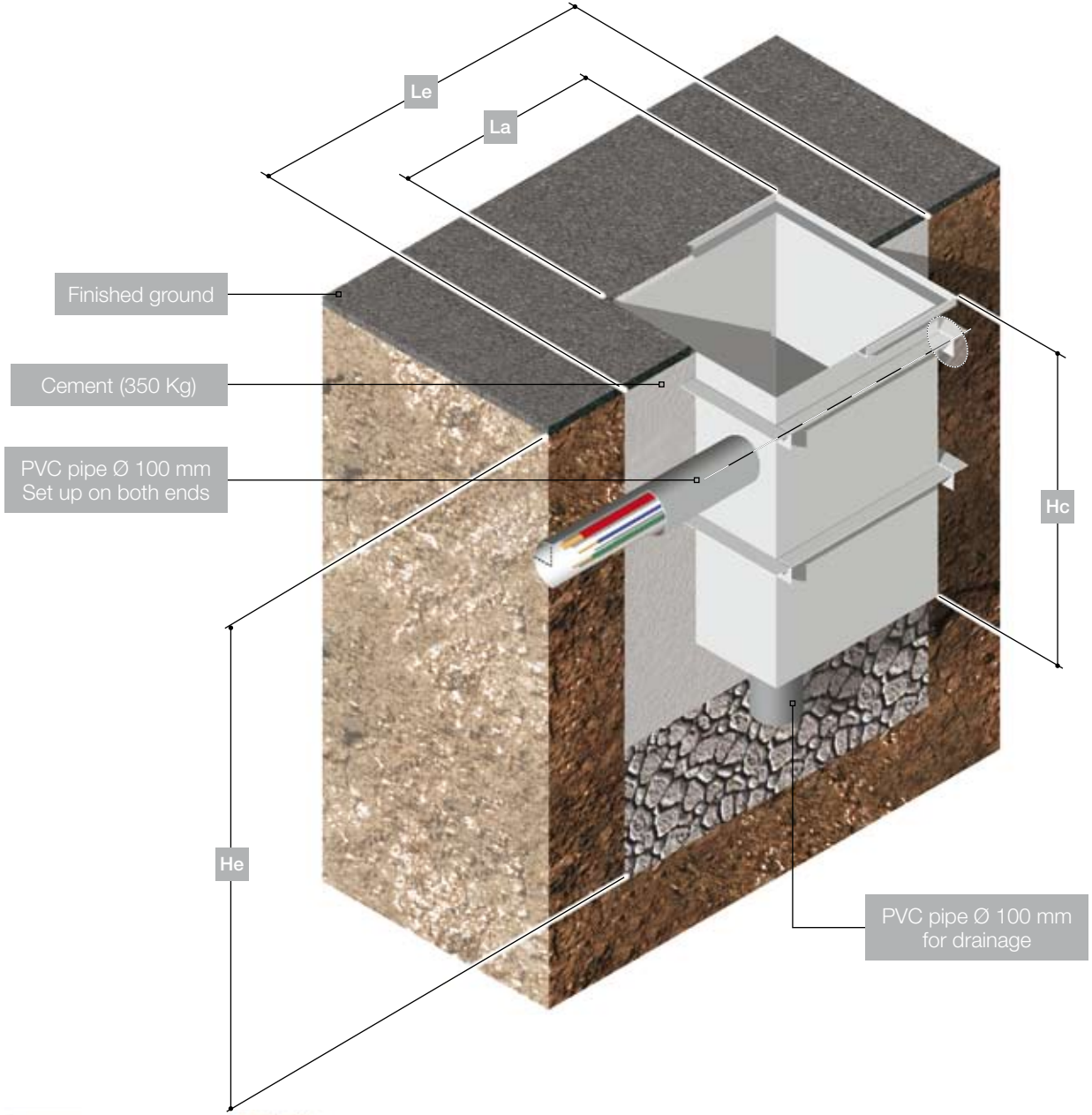
Setting up the pits



Setting up the pits

After removing the black top, dig a pit and lay some geo-tex material onto the bottom to prevent the gravel from sinking over time.
Fill with gravel and lay a PVC drain pipe in the centre.
Cast an initial layer of cement without obstructing the drain pipe. Once this first layer of cement is dry, cast the second layer of cement. When the second layer is also cast, lay the corrugated tube and secure it with cement.
To lay the lost casing see the relative documentation which provides instructions and measurements for the pits.
The box needs to be properly positioned with respect to the direction of travel of vehicles.

Bollard				Lost casing			Pit	
Model	ø	H	Code	Code	La (mm)	Hc (mm)	Le (mm)	He (mm)
LUXOR	200	600	BPLUXE60	BOCOFE60	420 x 450	860	1000	1250
CYLINDER	200	500	BPCLPE50	BOCOFE664	288	666	700	1200
CYLINDER	250	500	BPCLPF50CLG	BOCOFF671	357	673	800	1200
CYLINDER	200	750	BPCLPE75CLG	BOCOFE959	288	961	700	1500
VENDÔME	250	500	BPVDMF50	BOCOFF700	425	700	850	1200



Cement

Natural ground

Drainage

Finished ground

URBACO
AUTOMATIC BOLLARDS

Fixed and Removable Bollards

URBACO
AUTOMATIC BOLLARDS

Fixed and removable bollards

An eye-catching advantage

A product line to complete the offer, that is, Urbaco fixed and removable bollards. The shapes and dimensions are the same as for automatic and semi-automatic retractable bollards. But they provide a simple and affordable response to applications that place urban furnishing, area restriction and control over that of vehicle flow management, when passage is required only occasionally.

URBACO
AUTOMATIC BOLLARDS

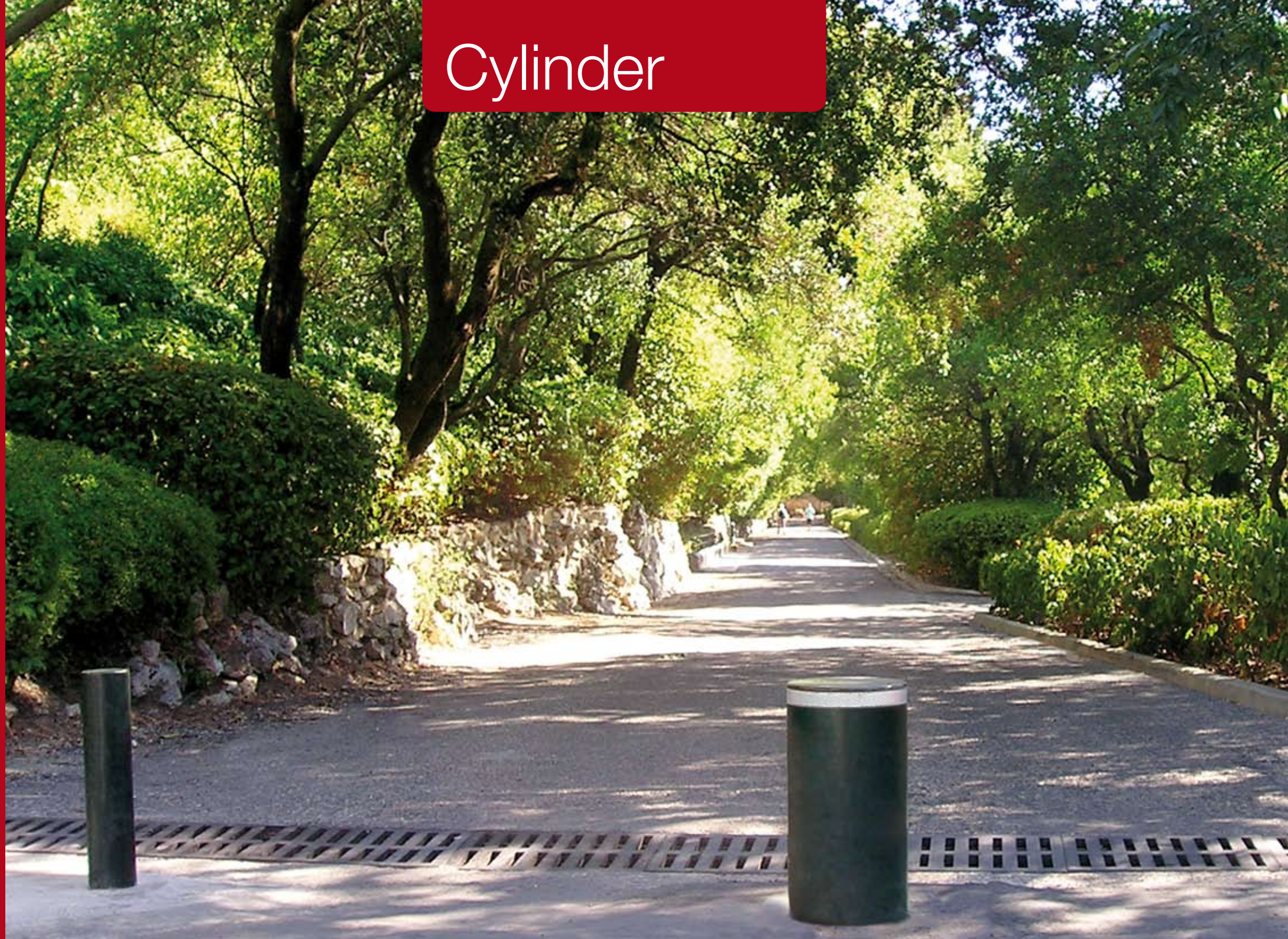
Luxor

Luxor

Removable and fixed Luxor: both of these models will bestow harmony when furnishing a pedestrian area or when occasionally opening an access point.
They will function as aesthetic reference points designed according to the shapes and spirit of the locations.
Just like their retractable versions, the fixed and removable Luxors are fitted with a yellow or white reflective band and black-painted top.

URBACO
AUTOMATIC BOLLARDS

Cylinder



Fixed and removable bollards

Cylinder

Smooth and sombre, it is elegant and soft-spoken and fits everywhere, in any architectural or urban setting. It can definitely close an access point or open it temporarily on particular occasions. The fixed and removable Cylinder: eternal and transcending trends – truly appealing.

URBACO
AUTOMATIC BOLLARDS

Vendôme

Vendôme

Removable and fixed Vendômes: this stainless steel product line, just as the city it is named after, blends a refined material with modernity. It is most suited for any prestigious setting, by adding that extra touch to architects' projects. It fits right into the urban furnishings of both historical town centres or indoor locations. It lets you turn an area into a pedestrian-only zone or accessible only at certain times. The right choice is Vendôme. Keeping up with the times!

URBACO
AUTOMATIC BOLLARDS

The range

REMOVABLE bollards

BALUXE60-R
Removable bollard
LUXOR
H = 600 mm Ø = 200 mm.
RAL3002 colour.

BALUXE60-G
Removable bollard
LUXOR
H = 600 mm Ø = 200 mm.
RAL7016 colour.

BACLPE50G
Removable bollard
CYLINDER
H = 500 mm Ø = 200 mm.
RAL7016 colour.

BACLPF50G
Removable bollard
CYLINDER
H = 500 mm Ø = 250 mm.
RAL7016 colour.

TPUGU
RAL 7016 structured varnishing.

TPRALSTD
Standard RAL varnishing. Colours: RAL 9005 black, RAL 3020 red or RAL 6009 green.

TPOFRAL
Non-standard RAL varnishing (EXCLUDING RAL 7016, 9005, 3020 and 6009).

TPURALSP
Special non-RAL varnishing.

BAVDMF50S
Removable bollard
VENDÔME
H = 500 mm Ø = 250 mm.

FIXED bollards

BSLUXE60-R
Fixed bollard
LUXOR
H = 600 mm Ø = 200 mm.
RAL3002 colour.

BSLUXE60-G
Fixed bollard
LUXOR
H = 600 mm Ø = 200 mm.
RAL7016 colour.

BSCLPE50G
Fixed bollard
CYLINDER
H = 500 mm Ø = 200 mm.
RAL7016 colour.

BSCLPF50G
Fixed bollard
CYLINDER
H = 500 mm Ø = 250 mm.
RAL7016 colour.

BSCLPE75G
Fixed bollard
CYLINDER
H = 750 mm Ø = 200 mm.
RAL7016 colour.

BSVDMF50S
Fixed bollard
VENDÔME
H = 500 mm Ø = 250 mm.

Fixator ®

BOFIXP11S
Fixator® system complete with release device, and E11 triangle key.
Without cover.

BOFIXCS
Fixator® system.

EMBS200INOX
Cementable base for stainless steel bollard, Ø 200 mm and 250 mm, closing system with lock on the bollard.

BOFIXCOF
Cast iron cover for Fixator®.

Keys

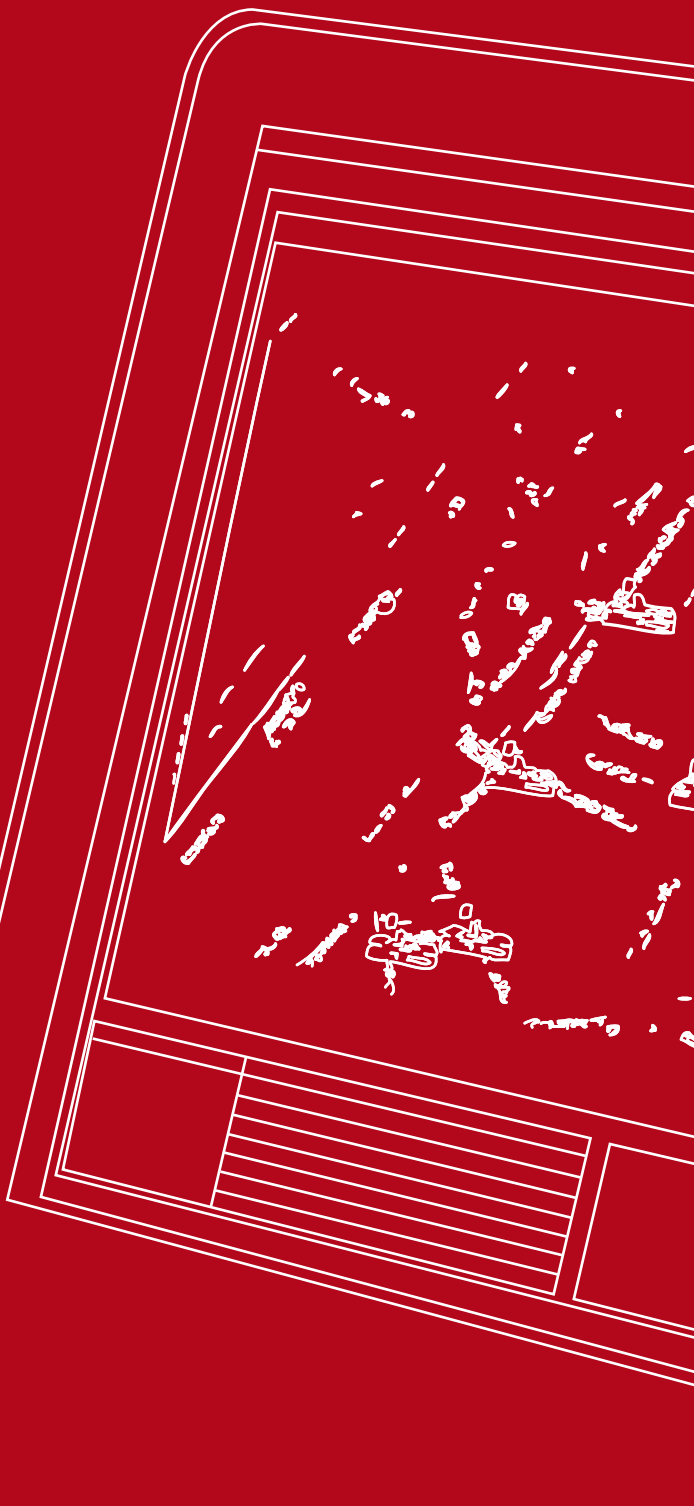
BOCLESL11
Cast iron E11 triangle key.

Complemetary accessories

BOBRB
White reflective bands for fixed and removable bollards.

BOBRJ
Yellow reflective bands for fixed and removable bollards.

URBACO
AUTOMATIC BOLLARDS



Software and control systems

URBACO
AUTOMATIC BOLLARDS

Sygma II

Your spaces are under control

Sygma II is Urbaco's software for remote centralised management and control of access points. Retractable automatic bollards, barriers, videophone and interphone services.

It works online by using current communication methods and can be installed on one or more work stations.

It is composed of the following modules:

NEXUS:
core of the communication system.

GTC:
the synoptic centralised management module for the controlled areas.

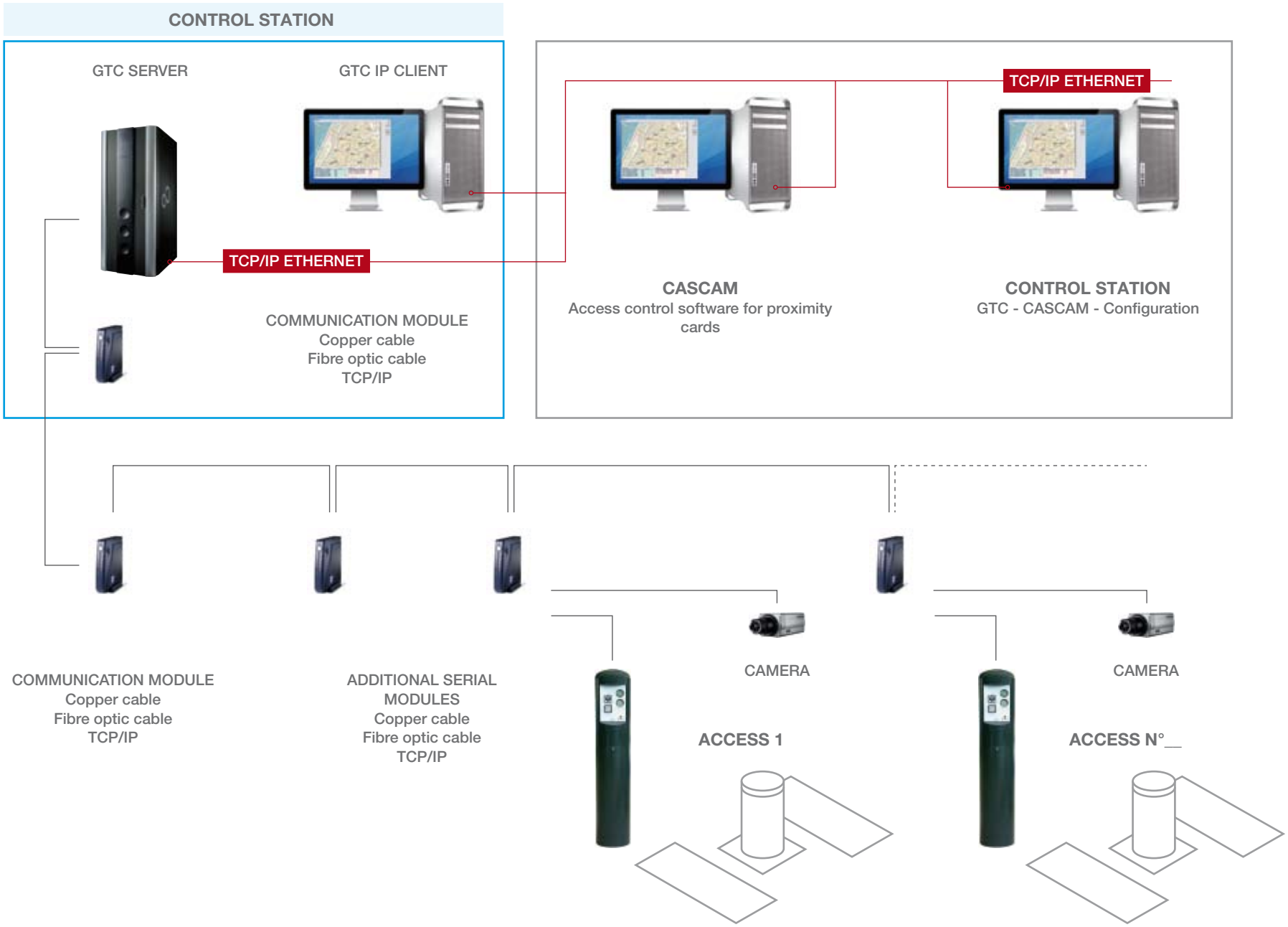
CASCAM:
access control software for proximity cards

CASCAM Light:
Software for stand-alone access control.

ARCHIVES:
archive and statistical data management tools.

URBACO
AUTOMATIC BOLLARDS

Standard configuration



The standard functions

- Ergonomic interfaces
- IP network functions, internet or local
- Easy updating
- Exportable in Word, Excel and standard XML
- Automatic email
- Automatic creation of PDF files
- Management of access rights to computer functions (via master card or login)
- Language change over while functioning (handles 22 languages)
- 3D visuals of graphics and access points in real time (OpenGL, DirectX)
- Conversion into Access, dBase, Text, Oracle, XML, etc...

URBACO
AUTOMATIC BOLLARDS

The synoptic plan

Features

- Remote access command (simple opening of with ticket, force the bollard into the ground in case of emergency).
- Visual display of general status of the access points (bollard retracted/surfaced, in motion, active loop or non-functioning, etc.).
- General information on access points for direct diagnosis of the slave devices (bollards, command panels with PLC, magnetic loops, compressors, traffic lights, emergency buttons, clocks, readers, connections, etc.), event, alarm and malfunctions report, with 3D display in real time.
- Configuration of parameters and times in real time.
- Configuration of the parameters and timing of each access point.
- Automatic openings for the programming of the daily time slots openings for access points.
- Management of events and alarms with real time display.
- Works form different work stations for total or partial management (both in terms of location from which the checks are made, as well as in terms of the type of service being handled.
  For example: a GTC dedicated to controlling and maintaining passage flows, a GTC handled by the municipal police for controlling opening points (complete with video and interphone) and a GTC handled by a third party connected to the police for night-time control.

Handling information

EVENTS report

The events report is viewable in real time, allowing for analytical control of the access point being checked.

ALARMS report

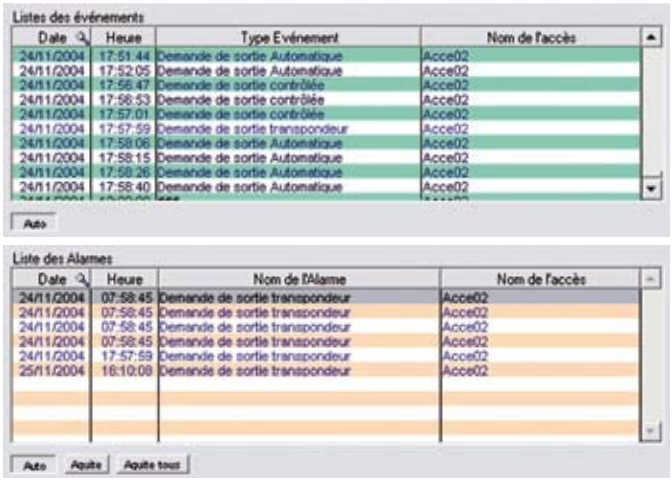
The alarms report is viewable in real time, allowing for analytical control of the access point being checked.

FILES and STATISTICS

The Files program allows you to extract files of event according to different criteria.
These events can come from different access sites or from the computer itself.
After making an event search, the Stats function allows you to count by hour or day the recurrences of the events and view the data in graphic form.

Some data

- 65,535 access.
- 6,000 CARDS per reader (expandable to 12,000).
- 65,535 x 6,000 users.
- 70 different event and / or alarms (expandable).
- Unlimited number of recordable events.



URBACO
AUTOMATIC BOLLARDS

URBACO
AUTOMATIC BOLLARDS

The data and information shown in this catalogue are subject to change without the obligation to give prior notice by Urbaco S.A.

Urbaco S.A.

457 avenue du Clapier - Z.A. du Couquiou
84320 Entraigues-sur-la-Sorgue - France
Tél : +33 (0) 490480808
Fax : +33 (0) 490480088
www.urbaco.com - urbaco@urbaco.fr

URBACO
AUTOMATIC BOLLARDS

© URBACO - EN - 10/09 - KSUP#UEN26109O9