

# Mechanical, retractable bollards

For retractable bollards	
TPRALBEX	RAL 4 numbers



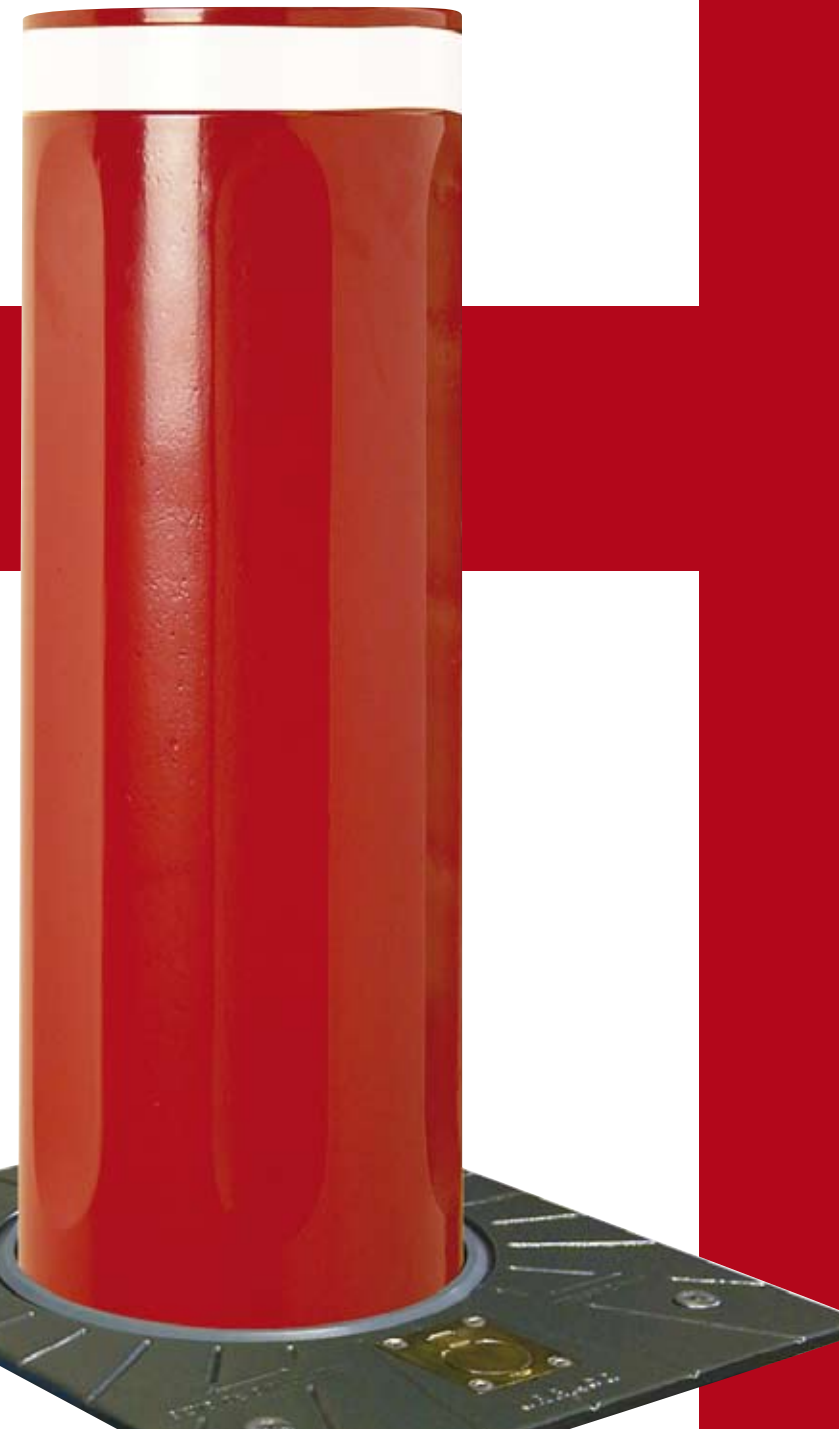
Other colours excluding RAL	
TPUGA	Dark grey
TPUGR	Steel grey

Example of a mechanical bollard



1. Unlock      2. Push      3. Release

Mechanical retractable bollards are made to manage both public and private roads. Their movement is activated by a key which unlocks the mechanism. By pushing the bollard head downwards, the bollard retracts below ground; it then automatically locks into the retracted position. Then, by turning the key, the bollard surfaces and locks into the fully surfaced position.



## Accessories for mechanical, retractable bollards

Keys						
Item code	<b>BOCLESL11</b>	11 mm TRIANGLE print				
Item code	<b>BOCLESL14</b>	14 mm TRIANGLE print				
Item code	<b>BOCLESLDL</b>	HALF MOON print				
Item code	<b>BOCLESLESA</b>	CUSTOMISED print				
Codes	E11	E14	EDL	ESA	ECP	ECPDL
Material	Cast iron				-	Cast Iron
Length (mm)	140	140	140	140	-	140

Release rod ( "fire-fighter print" )	
<b>References:</b>	
<b>BOTIVCP</b>	= for a printless, square fire-fighter's lock
<b>BOTIVCPDL</b>	= for a half-moon print and square, fire-fighter's section



Release rods (steel)

# Generation 6 Mechanical, retractable bollards

Invented in 1984 by Urbaco, retractable bollards are used in a variety of settings, all having a common denominator, that is, the management of one or more access-ways. Restricting a parking area, restricting a delivery zone, restricting urban flows, anti-intrusion security for sensitive sites or buildings, embassies or private homes.

## Génération 6

The sixth generation of Urbaco retractable bollards is the result of over 20 years of experience. These bollards are made of only three elements: case, cover and bollard head, each is cast into a single nodular cast-iron piece, has no wearable components, features the Urbaco Monobloc® patent. The mechanical, retractable bollard must not be installed where vehicle normally pass.

Example of a mechanical bollard



1. Unlock 2. Push 3. Release

### Models

Offered in two different models. Made of nodular cast-iron, with an average thickness of 11 mm, for the Châteauneuf, Acropole, Cylinder, Athéna models. Made of nodular cast-iron + Inox 316L with a thickness of 9 + 1.5 mm for the Vendôme model.  
- 3 diameters: 120 mm, 200 mm, 250 mm  
- 2 heights: 500 mm, 750 mm

### Warnings

Display device with a white, Class II reflective band (the Vendôme model uses a yellow band)

### Surface finish and colours

Zinc is the primary standard coating which provides better adherence for the finishing coat, using a powder based, polyester thermo-hardening matt varnish, in standard RAL 7016 dark grey

### Bollard head

Cast into one block, it houses its own sliding rail and is designed to slide without ever wearing down. Does not require any periodic maintenance nor adjustments. The nodular cast iron gives it great endurance

### Cover

It helps preserve the bollard, its long cladding distributes the bollard's energy into opposite components, transmitting it to the buried foundation box. A thick plastic ring eases the sliding of the bollard body, thus reducing friction and noise

### Foundation box

With a thickness of up to 24 mm, it is fitted with 4 guides and an integrated cross bar which holds a gas operated spring in place. This ensures that the guide rails will not deform

### Protective dome

For the key-insertion system

### Inox release rod

Different prints are available

### Gas-operated spring

Makes the bollard re-surface after the key mechanism is released

### Lost casing

Urbaco's lost casing, made of 1.5 mm thick galvanised, metal sheeting is delivered already folded. This allows you to save space and makes for easier maintenance and stocking. Its easy mounting is indispensable for optimal installation



Compliant with  
French Law NFP98-310



## Génération 6: the models

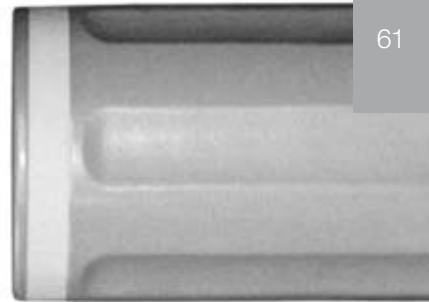
Cylinder			Mechanical	Lost casing
Commercial reference				
Diameter	Height from the ground	Weight	Codes	Codes
250	500	113 kg	BMCLPF50	BOCOFF671
250	750	149 kg	BMCLPF75	BOCOFF954
200	500	83 kg	BMCLPE50	BOCOFE664
200	750	110 kg	BMCLPE75	BOCOFE959
120	500	55 kg	BMCLPD50	BOCOFD667
120	750	70 kg	BMCLPD75	BOCOFD960

Acropole			Mechanical	Lost casing
Commercial reference				
Diameter	Height from the ground	Weight	Codes	Codes
250	500	119 kg	BMACEF50	BOCOFF671
250	750	155 kg	BMACEF75	BOCOFF954
200	500	83 kg	BMACEE50	BOCOFE664
200	750	110 kg	BMACEE75	BOCOFE959
120	500	55 kg	BMACED50	BOCOFD667
120	750	70 kg	BMACED75	BOCOFD960

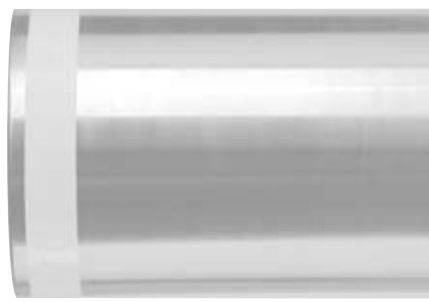
Athéna			Mechanical	Lost casing
Commercial reference				
Diameter	Height from the ground	Weight	Codes	Codes
250	500	119 kg	BMATNF50	BOCOFF671
250	750	155 kg	BMATNF75	BOCOFF954
200	500	83 kg	BMATNE50	BOCOFE664
200	750	110 kg	BMATNE75	BOCOFE959
120	500	55 kg	BMATND50	BOCOFD667
120	750	70 kg	BMATND75	BOCOFD960

Châteauneuf			Mechanical	Lost casing
Commercial reference				
Diameter	Height from the ground	Weight	Codes	Codes
250	500	119 kg	BMCHPF50	BOCOFF671
250	750	155 kg	BMCHPF75	BOCOFF954
200	500	83 kg	BMCHPE50	BOCOFE664
200	750	110 kg	BMCHPE75	BOCOFE959
120	500	55 kg	**BMCHPD50	BOCOFD667
120	750	70 kg	**BMCHPD75	BOCOFD960

*Vendôme			Mechanical	Lost casing
Commercial reference				
Diameter	Height from the ground	Weight	Codes	Codes
250	500	119 kg	BMVDMF50	BOCOFF671
250	750	155 kg	BMVDMF75	BOCOFF954
200	500	83 kg	BMVDME50	BOCOFE664
200	750	110 kg	BMVDME75	BOCOFE959
120	500	55 kg	BMVDMD50	BOCOFD667
120	750	70 kg	BMVDMD75	BOCOFD960



\*\*Also available with rounded head 120/550 and 120/750



\*yellow reflective bands



New

# Ovalie Mechanical, retractable bollard

### Operation

The mechanical, retractable bollard is activated by a key which release the mechanism. By pressing on the head of the bollard, it automatically retracts and automatically locks into the 'down' position. Then, by turning the key, the bollard re-surfaces by itself and locks into the 'up' position. The wear-resistant, sliding rolling release mechanism (an Urbaco patent), is made up of an inox release rod and a block arm. A small, bronze door protects the lock.



Compliant with French Law NFP98-310



Example of a mechanical bollard



1. Unlock 2. Push 3. Release

### Case

With a thickness of up to 24 mm, it is fitted with 4 guides and an integrated Monobloc bar which holds a gas-operated spring in place. This ensures that the guide rails will not deform

### Surface finish and colours

Zinc is the primary standard coating which provides better adherence for the finishing coat, using a powder based, polyester thermo-hardening matt varnish, in standard RAL 7016 dark grey



### Lost casing

Urbaco's disposable folding case, made of 1.5 mm thick galvanised, metal sheeting is delivered already folded. This allows you to save space and makes for easier maintenance and stocking. Its easy mounting is indispensable for optimal installation



## Ovalie Model

Ovalie			Mechanical	Lost casing
Commercial reference				
Diameter	Height from the ground	Weight	Codes	Codes
120 x 80	500	52 kg	BMOVLD50	BOCOFD667

Special products

# Retractable mechanical bollards Special products

Example of a mechanical bollard



1. Unlock 2. Push 3. Release

## Perpignan model



A model specially and exclusively made for the city of Perpignan



## Cabestan model



WARNING!  
This model does not comply with French Law NFP98-310



## Grand Lyon model



WARNING!  
This model does not comply with French Law NFP98-310



Call us



# Foundation scheme

Schematic representation for installing the lost casing for automatic or mechanical bollards. It is delivered folded and takes two minutes to install.

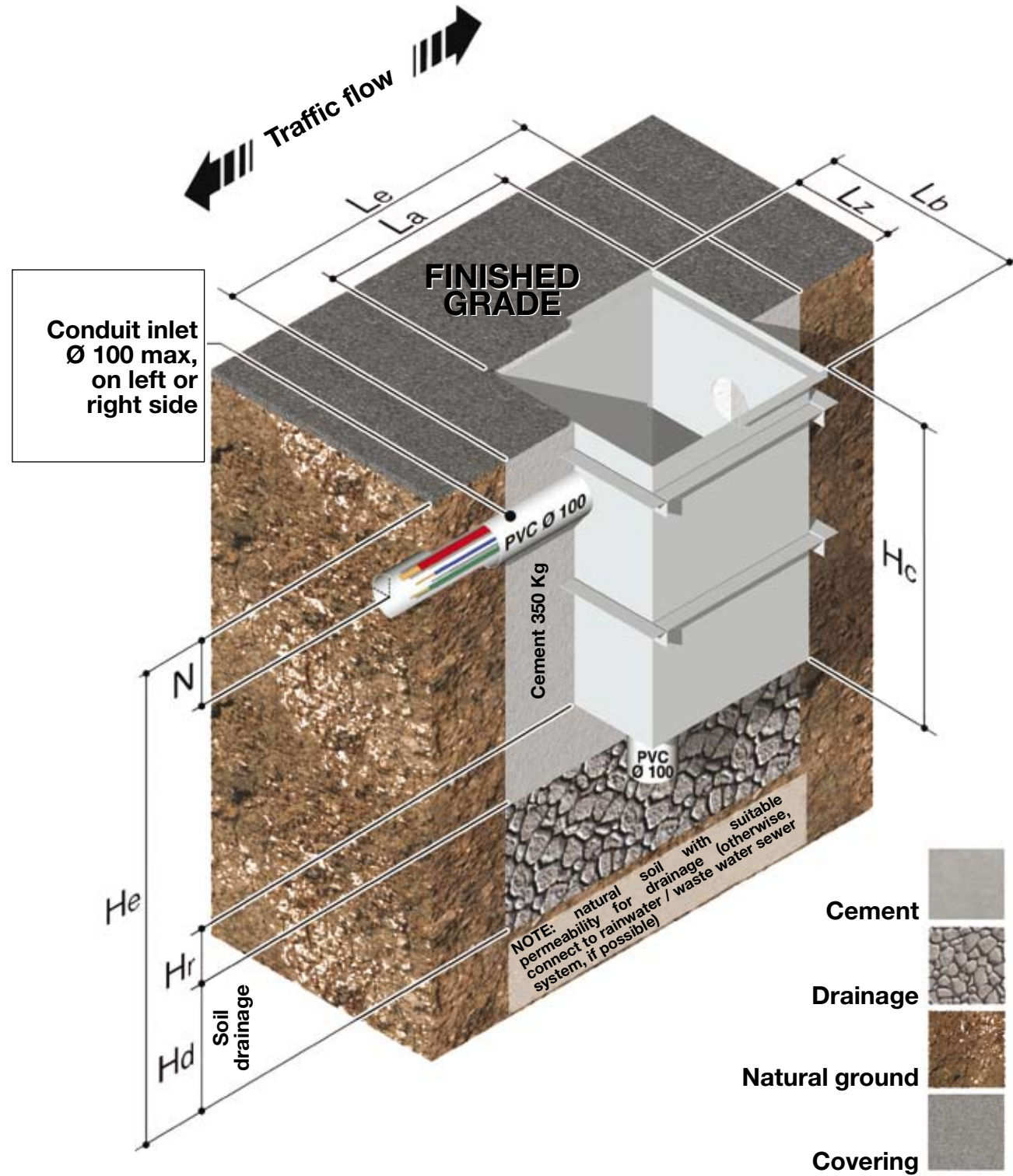
**Advantages:**

- takes up less room and requires little maintenance and room when stocking
- cuts back on transport costs
- it is easy to mount

**Technical features:**

- made of 1,5 mm thick galvanised steel.

The Tradition series, the direction of circulation is indicated on the bollard case, while for the G6 series it is shown on the cover.



hydraulic BEA and Bem, same principle: BP... => BH... => BM...

## BEA Tradition High Security

Bollard			Lost casing			Pit			Foundation plate	Drainage	Conduit		
Mod.	ø	H	Cod.	Cod.	La	Lb	Hc	Le	Lz	He	Hr	Hd	N
Cylinder	250	700	BPCLPF70H	BOCOFF1300	425	425	1300	825	825	1800	200	300	335
Cylinder	250	900	BPCLPF90H	BOCOFF1300	425	425	1300	825	825	1800	200	300	335
Vendôme	250	700	BPCLPF70HC	BOCOFF1300	425	425	820	825	825	1320	200	300	335
Vendôme	250	900	BPCLPF90HC	BOCOFF1300	425	425	1300	825	825	1800	200	300	335

\*same for hydraulic version

## BEA Tradition with illuminated Ring

Bollard			Lost casing			Pit			Foundation plate	Drainage	Conduit		
Mod.	ø	H	Cod.	Cod.	La	Lb	Hc	Le	Lz	He	Hr	Hd	N
Acropole	250	500"CL"	BPACF50CL	BOCOFF700	425	425	700	825	825	1200	200	300	180
Acropole	250	600"CL"	BPACF60CL	BOCOFF880	425	425	880	825	825	1380	200	300	210
Cylinder	250	500"CL"	BPCLPF50CL	BOCOFF700	425	425	700	825	825	1200	200	300	180
Cylinder	250	600"CL"	BPCLPF60CL	BOCOFF880	425	425	880	825	825	1380	200	300	210
Vendôme	250	500"CL"	BPVDMF50ICL	BOCOFF700	425	425	700	825	825	1200	200	300	180
Vendôme	250	600"CL"	BPVDMF60ICL	BOCOFF880	425	425	880	825	825	1380	200	300	210

## BEA / BEM Génération 6

Bollard			Lost casing			Pit			Foundation plate	Drainage	Conduit		
Mod.	ø	H	Cod.	Cod.	La	Lb	Hc	Le	Lz	He	Hr	Hd	N
Acropole	250	500	BPACF50	BOCOFF671	357	423	673	757	823	1173	200	300	172
Acropole	250	750	BPACF75	BOCOFF954	357	423	956	757	823	1456	200	300	172
Acropole	200	500	BPACF50	BOCOFF664	288	358	666	688	758	1166	200	300	154
Acropole	200	750	BPACF75	BOCOFF959	288	358	961	688	758	1461	200	300	154
Acropole	120	500	BPACF50	BOCOFF667	208	275	669	608	675	1169	200	300	180
Acropole	120	750	BPACF75	BOCOFF960	208	275	962	608	675	1462	200	300	180
Athéna	250	500	BPATNF50	BOCOFF671	357	423	673	757	823	1173	200	300	172
Athéna	250	750	BPATNF75	BOCOFF954	357	423	956	757	823	1456	200	300	172
Athéna	200	500	BPATNF50	BOCOFF664	288	358	666	688	758	1166	200	300	154
Athéna	200	750	BPATNF75	BOCOFF959	288	358	961	688	758	1461	200	300	154
Athéna	120	500	BPATND50	BOCOFF667	208	275	669	608	675	1169	200	300	180
Athéna	120	750	BPATND75	BOCOFF960	208	275	962	608	675	1462	200	300	180
Chateaufort	250	500	BPCHPF50	BOCOFF671	357	423	673	757	823	1173	200	300	172
Chateaufort	250	750	BPCHPF75	BOCOFF954	357	423	956	757	823	1456	200	300	172
Chateaufort	200	500	BPCHPE50	BOCOFF664	288	358	666	688	758	1166	200	300	154
Chateaufort	200	750	BPCHPE75	BOCOFF959	288	358	961	688	758	1461	200	300	154
Chateaufort	120	500	BPCHPD50	BOCOFF667	208	275	669	608	675	1169	200	300	180
Chateaufort	120	750	BPCHPD75	BOCOFF960	208	275	962	608	675	1462	200	300	180
Cylinder	250	500	BPCLPF50	BOCOFF671	357	423	673	757	823	1173	200	300	172
Cylinder	250	750	BPCLPF75	BOCOFF954	357	423	956	757	823	1456	200	300	172
Cylinder	200	500	BPCLPE50	BOCOFF664	288	358	666	688	758	1166	200	300	154
Cylinder	200	750	BPCLPE75	BOCOFF959	288	358	961	688	758	1461	200	300	154
Cylinder	120	500	BPCLPD50	BOCOFF667	208	275	669	608	675	1169	200	300	180
Cylinder	120	750	BPCLPD75	BOCOFF960	208	275	962	608	675	1462	200	300	180
Vendôme	550	500	BPVDMF50	BOCOFF671	357	423	673	757	823	1173	200	300	172
Vendôme	250	750	BPVDMF75	BOCOFF954	357	423	956	757	823	1456	200	300	172
Vendôme	200	500	BPVDMF50	BOCOFF664	288	358	666	688	758	1166	200	300	154
Vendôme	200	750	BPVDMF75	BOCOFF959	288	358	961	688	758	1461	200	300	154
Vendôme	120	500	BPVDMF50	BOCOFF667	208	275	669	608	675	1169	200	300	180
Vendôme	120	750	BPVDMF75	BOCOFF960	208	275	962	608	675	1462	200	300	180
Ovalie	120x80	500	BPOVLD50	BOCOFF667	208	275	669	608	675	1169	200	300	180