

K/M
SERIES



275/K4-900A 275/M30-1200A

Automatic bollards with integrated hydraulic unit



TRIPLE CERTIFICATION
PAS68, IWA14, ASTM

Our best-sellers of all time

Pilomat High Security hydraulic automatic bollards deliver **high performance, long life, and resistance to intensive cycles**, making them ideal for critical infrastructures, airports, government sites, and sensitive areas.

The hydraulic unit is **developed in-house** by our expert team, ensuring maximum quality and optimal performance. They withstand (K4/M30 level) impacts with a truck at 50 km/h.

- **Reliable performance in intensive cycles** – ideal for high-traffic areas
- **Optional biodegradable oil** for greater environmental care
- **Protection: up to 1,200,000 J** breakout resistance
- **Certified to PAS68, IWA 14-1, ASTM** international standards.

Smart! Removable hydraulic pump for
faster maintenance!



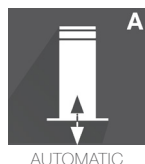
Standard configuration

The standard configuration of our systems is designed to ensure efficiency, safety and ease of management. The configuration includes:

- **Anthracite grey painted steel bollard**, a device for controlling vehicle access
- **Foundation box**, an underground structure housing the rebars bollard
- **Control unit**, manages the operation of the bollard.

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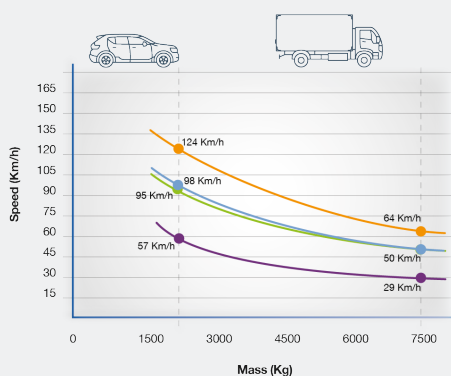
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	275/K4-900A	275/M30-1200A
Cylinder material	S355JR normal steel - X5CrNi 18-10 (AISI 304) - X5CrNiMo 17-12-2 (AISI 316) stainless steel	
Cylinder diameter	273mm	
Cylinder height	900mm	1200mm
Cylinder thickness	10mm	16mm
Movement principle	Hydraulic	
Cylinder normal steel finish	Anti-corrosion treatment - grey anthracite standard painting	
Cylinder stainless steel finish	Grey anthracite standard painting or brushing	
Reflecting adhesive strip	Standard - height 55mm	
Rising time	7s	5,5s
EFO rising time	1s	
Lowering time	3,5s	4s
Emergency lowering	Standard	
Connection line to control unit	Standard 10m (max 80m - with heating element max 50m)	
Voltage for control unit	230/400 VAC (+/- 10%) 50/60Hz	
Hydraulic pump	Built-in the bollard	
Protection class	IP 67	
Type of use	2000 Cycles/day	
Life units	3.000.000 Cycles	
Impact resistance	250.000 J	700.000 J
Breakout resistance	750.000 J	1.200.000J
Certified to	PAS68, IWA 14-1, ASTM M30 (K4)	
In compliance with	-	ASTM M40 (K8)
Nominal operating temperature	-40°C +70°C (for low temperatures see heating resistance)	
Load class (EN124)	D400	

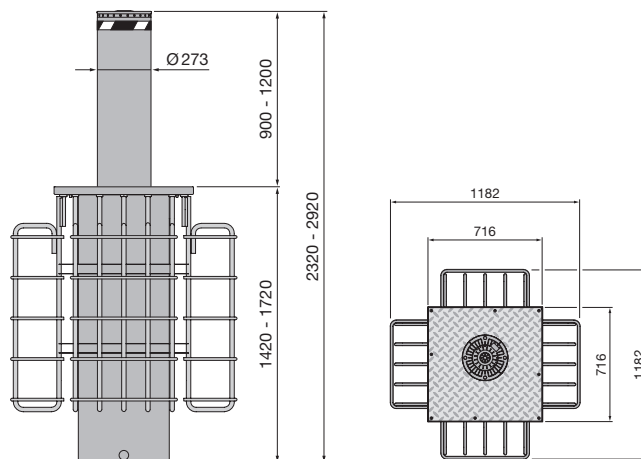


Impact resistance

- 250,000 J
- 700,000 J

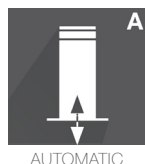
Breakout resistance

- 750,000 J
- 1,200,000 J



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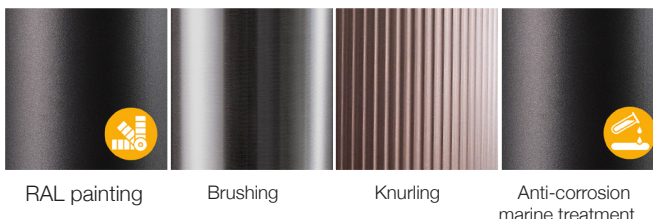


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Pilomat offers **safety accessories** for every installed system: including photocells, flashing lights and acoustic sensors for emergency vehicles. Each device is designed to **ensure maximum efficiency, clear signaling and secure control.**

Available finishes



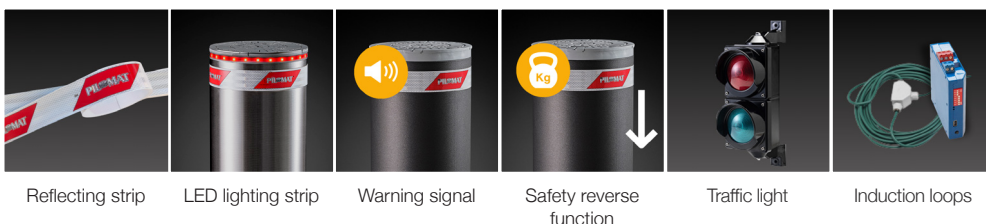
RAL painting

Brushing

Knurling

Anti-corrosion
marine treatment

Safety and visibility



Reflecting strip

LED lighting strip

Warning signal

Safety reverse
function

Traffic light

Induction loops

Special design



Custom cover
plate

RAL painted
cover

Custom
inclination

Fillable tank for
paving stones

Functions



Automatic
lowering

EFO (Fast
emergency
operation)

Heating element

UPS unit

Extractable
hydraulic unit

Sensors: alarm,
crash

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Pilomat provide a complete range of **control devices**, designed to make the use of installed systems practical and immediate. Buttons, selector and remote controls allow users to operate the devices with a single gesture, **ensuring immediate, reliable control and intuitive management.**

Control devices



Key switch



Card reader



Numeric key pad



Finger scan



Hand transmitter



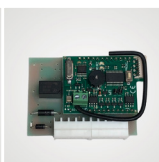
License plate reader



App or Bluetooth



Timer
(week - year)



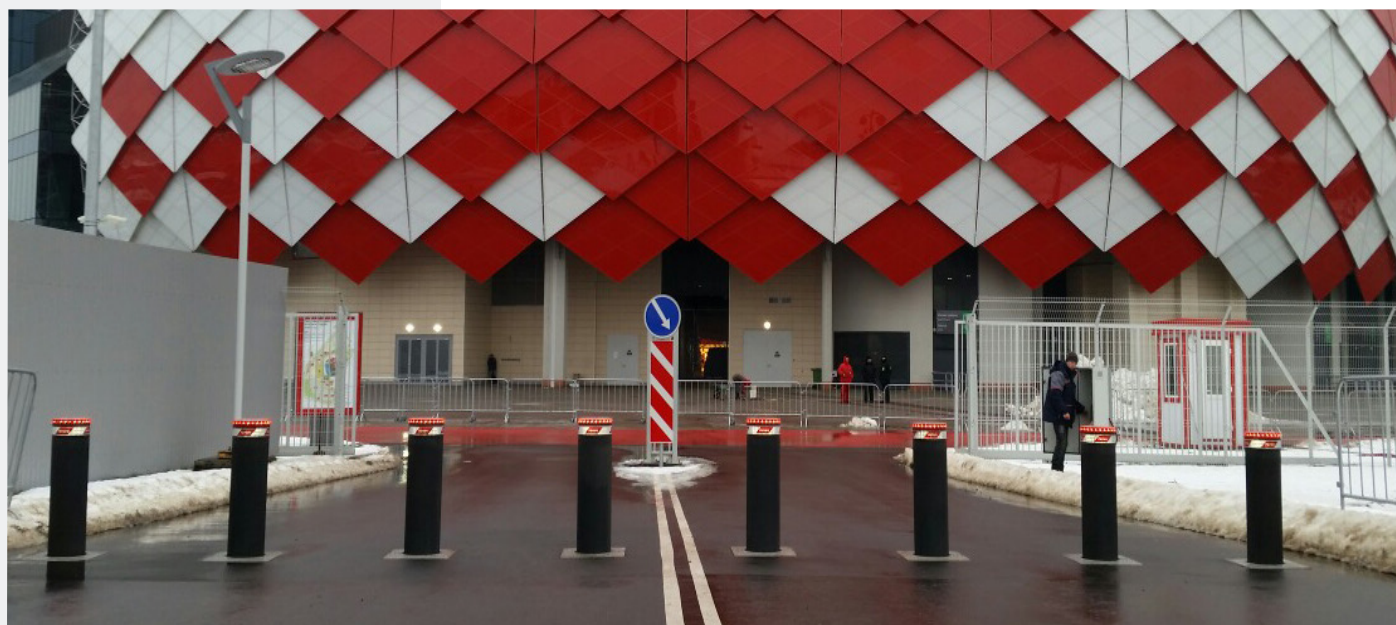
GSM activator



P-Connect



Cloud Unit W5-B



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