

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!



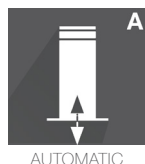
Standard configuration

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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Pilomat S.r.l.
Via Zanica 17/P, Grassobbio (BG) Italia
pilomat@pilomat.com www.pilomat.com



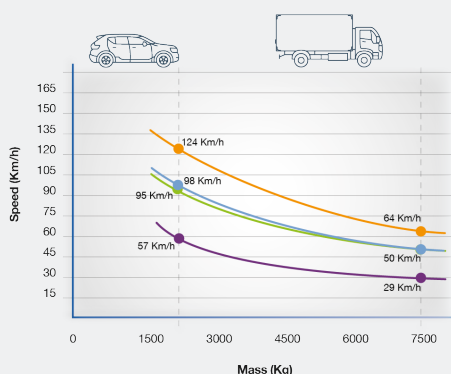
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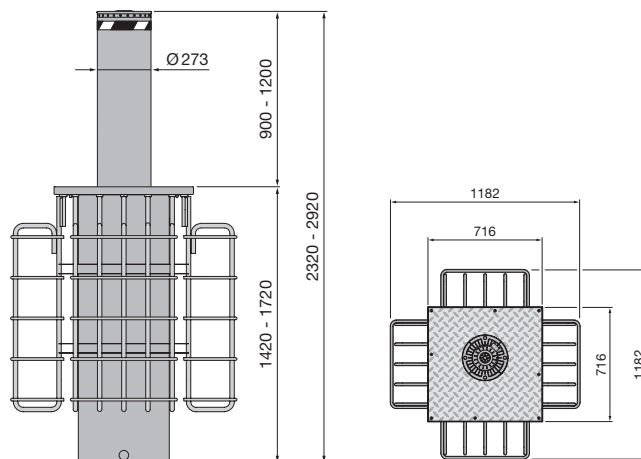
Automatic bollards with integrated hydraulic unit

	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	



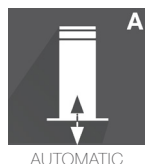
Impact resistance
 ● 250,000 J
 ● 700,000 J

Breakout resistance
 ● 750,000 J
 ● 1,200,000 J



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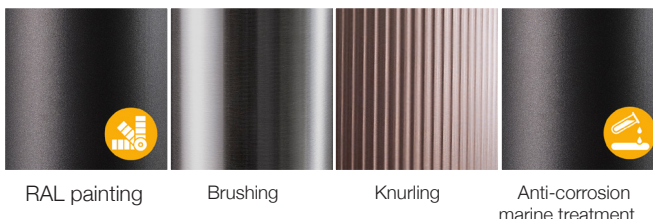


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Pilomat offers **safety accessories** for every installed system: including photocells, flashing lights and acoustic sensors for emergency vehicles. Each device is designed to **ensure maximum efficiency, clear signaling and secure control.**

Available finishes



Safety and visibility



Special design

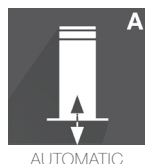


Functions



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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



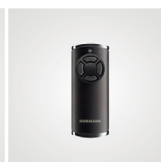
Card reader



Numeric key pad



Finger scan



Hand transmitter



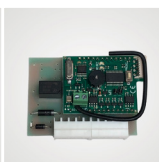
License plate reader



App or Bluetooth



Timer
(week - year)



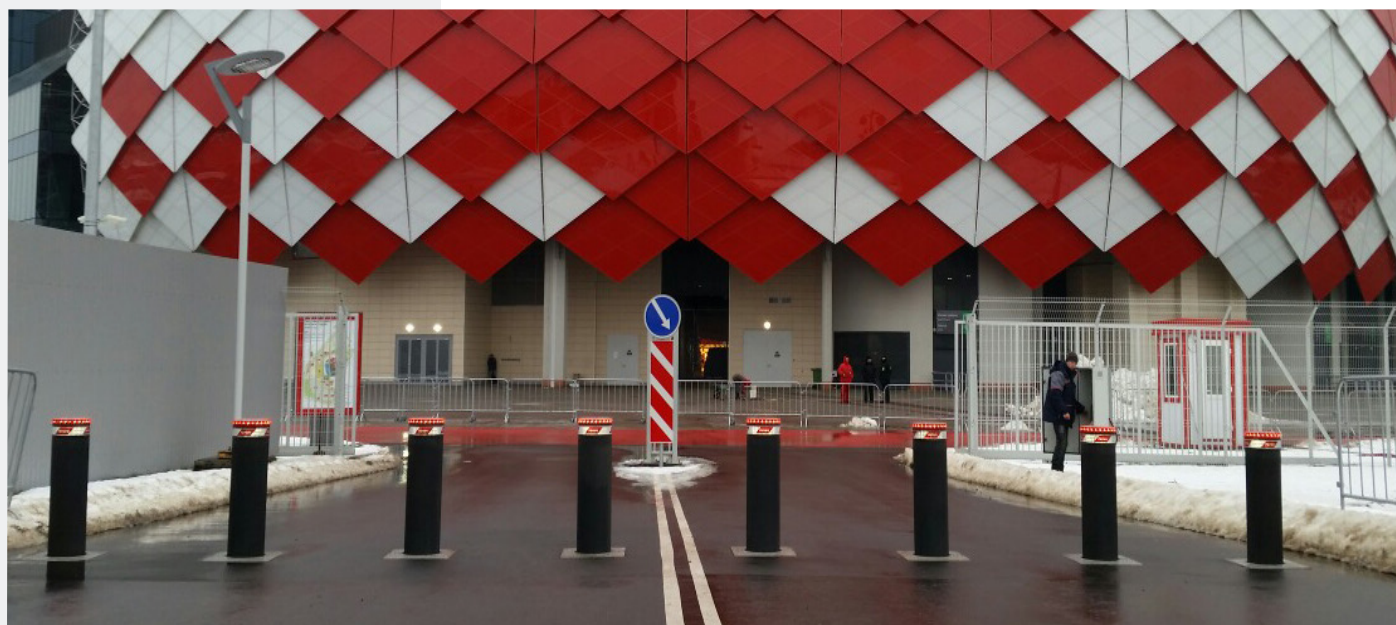
GSM activator



P-Connect



Cloud Unit W5-B



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