

K/M
SERIES



275/K4-700A

Automatic bollards with integrated hydraulic unit



Accessible security for high-risk environments

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.

- **Reliable performance in intensive cycles** – ideal for high-traffic areas
- **Optional biodegradable oil** for a more sustainable solution
- **Protection: up to 750,000 J** breakout resistance (K4/M30 level)
- **In compliance to PAS68, IWA 14-1, ASTM** international standards
- Compact height, minimal excavation
- Affordable price.

Smart! The perfect compromise: **no certification requirements and a cost-effective solution!**



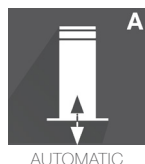
Standard configuration

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 bollard
- **Control unit**, manages the operation of the bollard.

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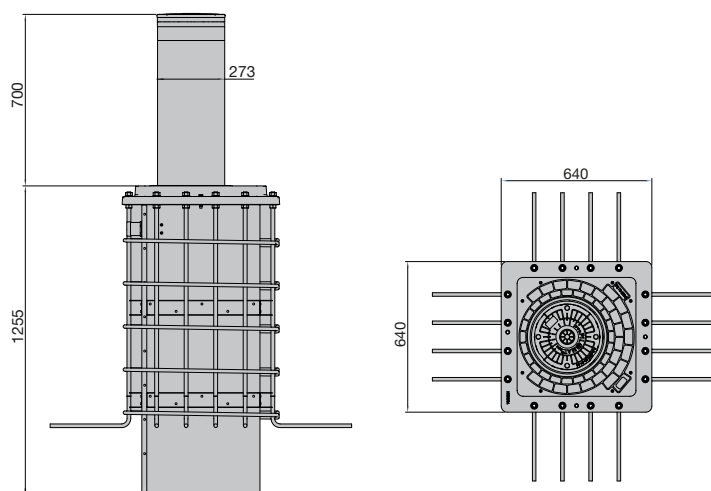
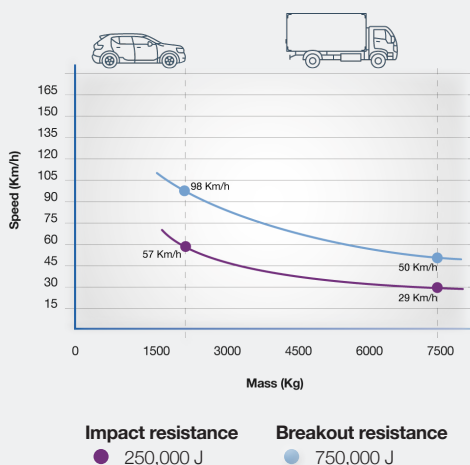


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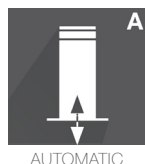
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Cylinder material	S355JR normal steel - X5CrNi 18-10 (AISI 304) - X5CrNiMo 17-12-2 (AISI 316) stainless steel
Cylinder diameter	273mm
Cylinder height	700mm
Cylinder thickness	10mm
Movement principle	Hydraulic
Cylinder normal steel finish	Anti-corrosion treatment - grey anthracite standard painting
Cylinder stainless steel finish	Grey anthracite standard painting or brushing
Reflecting adhesive strip	Standard - height 55mm
Rising time	5,5s
EFO rising time	1s
Lowering time	2,5
Emergency lowering	Standard
Safety reversal	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
Breakout resistance	750.000 J
In compliance with	PAS68, IWA 14-1, ASTM M30 (K4)
Nominal operating temperature	-40°C +70°C (for low temperatures see heating resistance)
Load class (EN124)	D400



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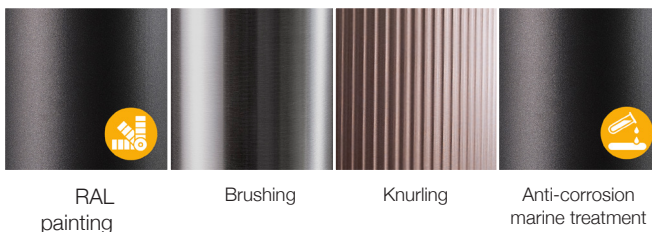


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Pilomat offers **safety accessories** for every installed system: including photocells, flashing lights and acoustic sensors for emergency vehicles. Each device is designed to **ensure maximum efficiency, clear signaling and secure control.**

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

Frame for paving stones

Functions



Automatic lowering

EFO (Fast emergency operation)

Heating element

UPS unit

Extractable hydraulic unit

Sensors: alarm, crash, oil level

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PROTECTION



PUBLIC



COMMERCIAL

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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



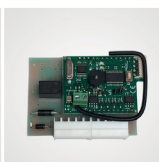
License plate reader



App or Bluetooth



Timer
(week - year)



GSM activator

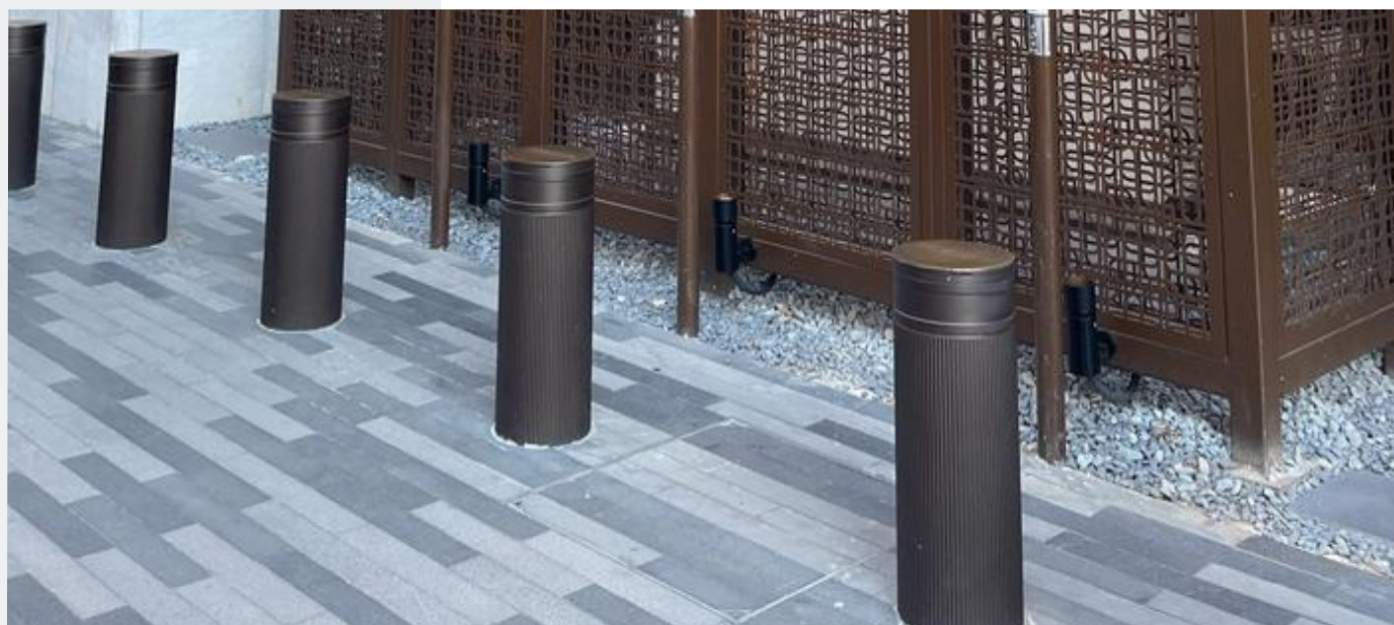


P-Connect



Cloud Unit W5-B

NEW



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