

**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!**



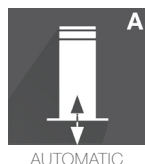
## Standard configuration

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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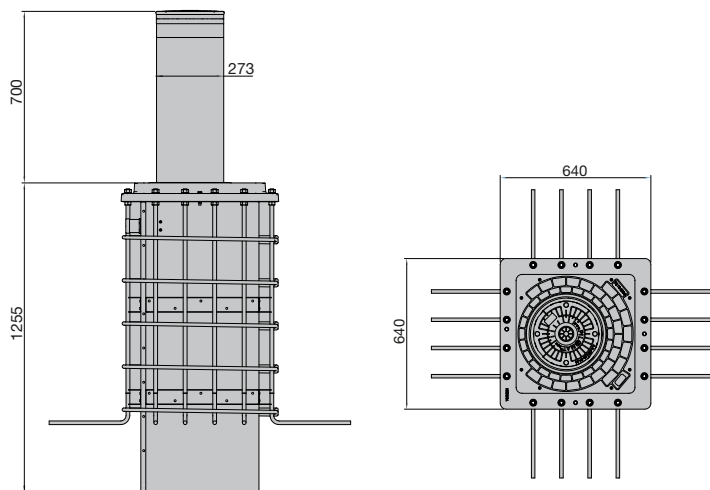
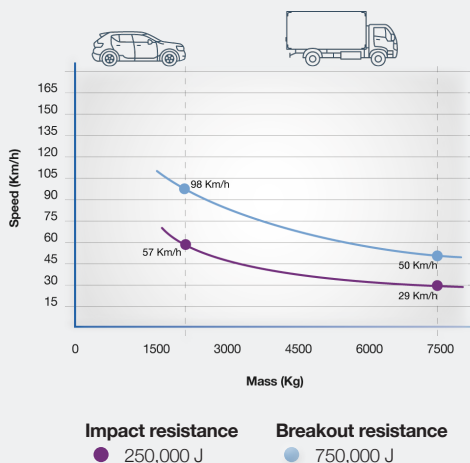


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## Automatic bollards with integrated hydraulic unit

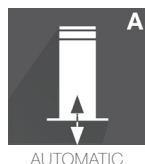
### 275/K4-700A

|                                 |                                                                                             |
|---------------------------------|---------------------------------------------------------------------------------------------|
| 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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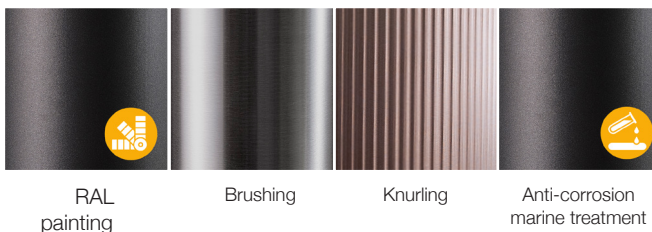


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Pilomat offers **safety accessories** for every installed system: including photocells, flashing lights and acoustic sensors for emergency vehicles. Each device is designed to **ensure maximum efficiency, clear signaling and secure control.**

### 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

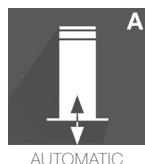
UPS unit

Extractable hydraulic unit

Sensors: alarm, crash, oil level

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PROTECTION



PUBLIC



COMMERCIAL

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## Automatic bollards with integrated hydraulic unit

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



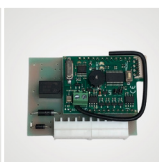
License plate reader



App or Bluetooth



Timer  
(week - year)



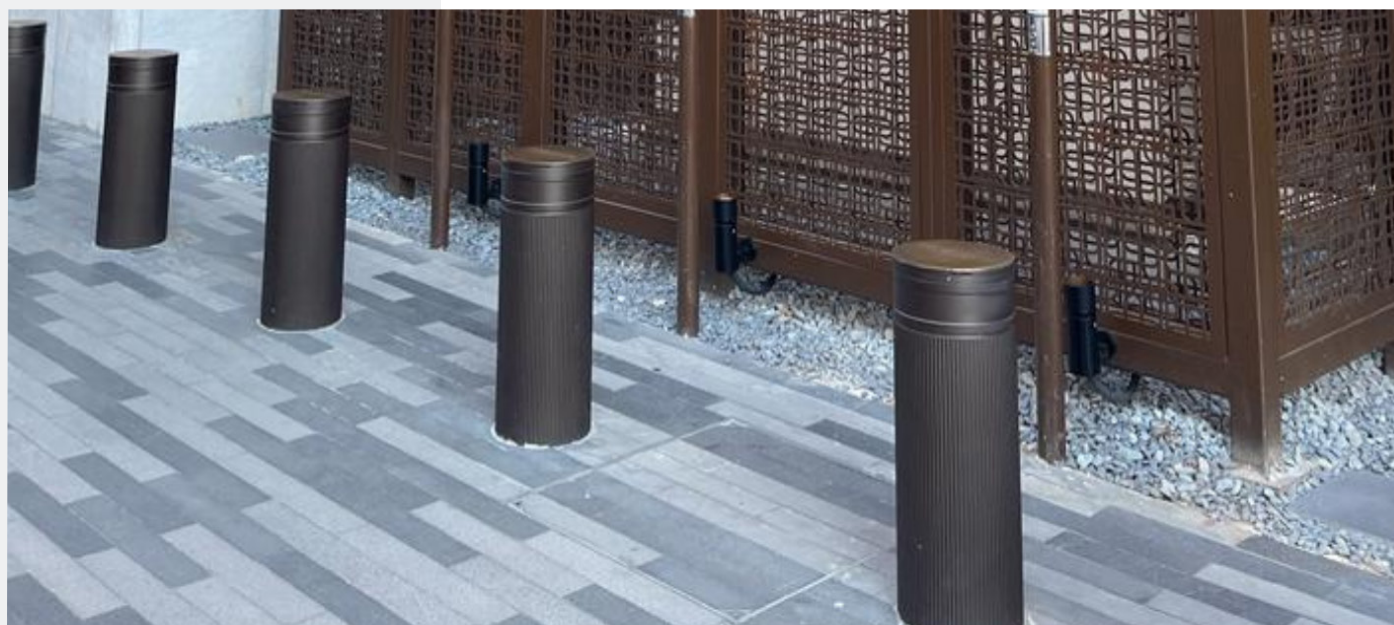
GSM activator



P-Connect



Cloud Unit W5-B



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