AUTOMATIC

EM
SERIES

TRAFFIC CONTROL | PUBLIC | COMMERCIAL | PRIVATE

220/EM-600A / 220/EM-800A

Automatic bollards with integrated electromechanical actuator

Innovation and reliability for intensive use

The automatic bollards of the **EM Series** use electromechanical technology designed to ensure reliable performance and reduced maintenance. A solution particularly suitable for residential and urban environments, where **quiet operation, frequency of use and ease of management** are important requirements.

- **Available in different models** to suit any security requirement
- Ideal for **high-frequency use** (up to 1,000 cycles/day)
- Centralized control of up to **9 bollards simultaneously**
- **Smooth and silent movement**
- Simplified installation with **preconfigured wiring**.

Smart! The choice for applications where the **absence of hydraulic oil** is a requirement

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
- **Steel foundation box with aluminium zinc coating**, an underground structure housing the bollard
- **Control unit**, manages the operation of the bollard.

PILOMAT HÖRMANN

Pilomat S.r.l.
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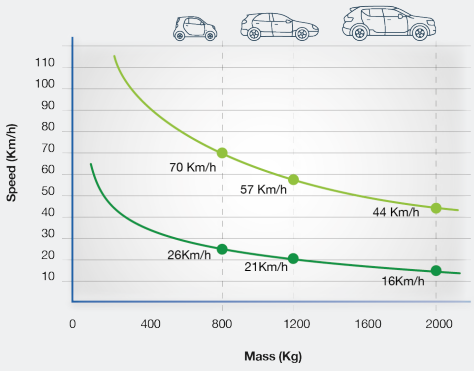
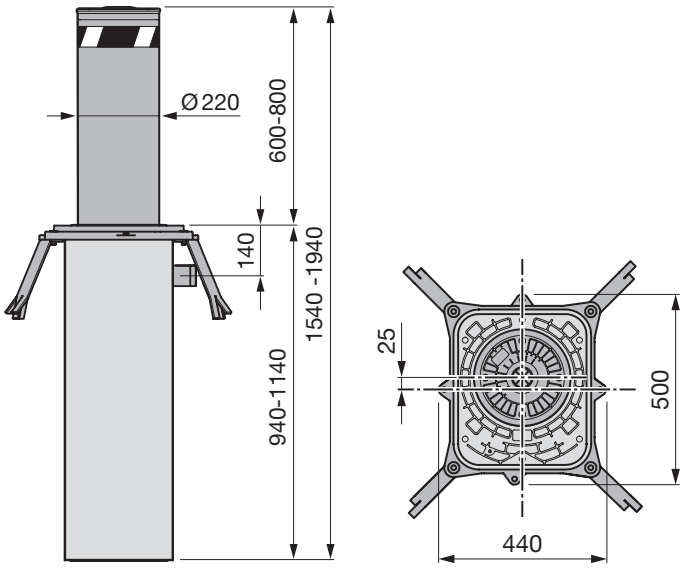
	220/EM-600A	220/EM-800A
Cylinder material	S235JR normal steel - X5CrNi 18-10 (AISI 304) stainless steel	
Cylinder diameter	220mm	
Cylinder height	600mm	800mm
Cylinder thickness	4mm	
Movement principle	Electromechanical	
Cylinder normal steel finish	Anti-corrosion treatment - grey anthracite standard painting	
Cylinder stainless steel finish	Grey anthracite standard painting or brushing	
Reflecting adhesive strip	Standard - height 55mm	
Rising time	5s	6,5s
Lowering time	4s	5s
Emergency lowering	Standard (emergency batteries included in the scope of delivery)	
Safety reversal	Standard	
Connection line to control unit	Standard 10m (max 30m)	
Voltage for control unit	230/400 VAC (+/- 10%) 50/60Hz	
Electromechanical motor	Built-in the bollard	
Protection class	IP 67	
Type of use	1000 Cycles/day	
Life unit	1.500.000 Cycles	
Impact resistance	20.000 J	
Breakout resistance	150.000 J	
Nominal operating temperature	-40°C +70°C (for low temperatures see heating resistance)	
Load class (EN124)	D400	



Impact resistance
20,000 J

Breakout resistance
150,000 J



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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 | Anti-corrosion marine treatment

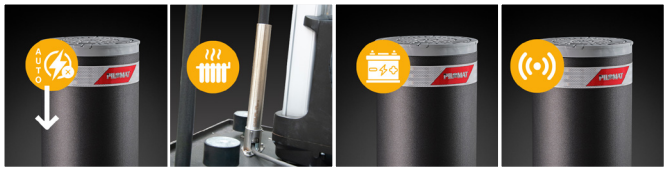
Safety and visibility

Reflecting strip | LED lighting strip | Warning signal | Safety reverse function | Traffic light | Induction loops

Special design

RAL painted cover | Custom inclination | Frame for paving stones

Functions



Automatic lowering | Heating element | UPS 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

NEW
Cloud Unit W5-B

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