



EM
SERIES



127/EM-600A / 127/EM-800A

Automatic bollards with integrated electromechanical actuator



Innovation and security without compromise

The automatic bollards of the **EM Series** combine **advanced technology** and **operational sustainability**, offering reliable performance and reduced maintenance.

They are the ideal choice for installations in residential areas or **zones with environmental constraints**, where **silence**, energy **efficiency**, and **ease** of management are required.

- **Available in different models** to suit any security requirement
- Ideal for **medium-frequency use** (up to 100 cycles/day)
- Centralized control of up to **3 bollards simultaneously**
- **Reduced maintenance** thanks to electromechanical technology
- **Smooth and silent movement**
- Simplified installation with **preconfigured wiring**.

Smart!

Choose the EM Series if you're looking for **green solutions, without oil use.**



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



AUTOMATIC

EM

SERIES



TRAFFIC CONTROL



PUBLIC



COMMERCIAL

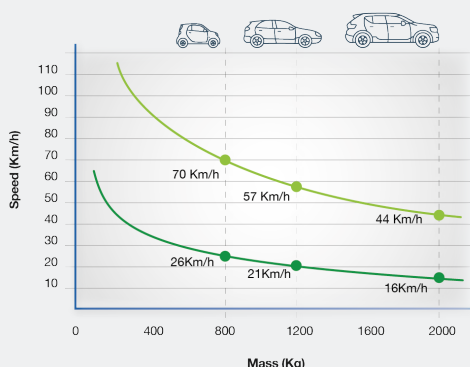


PRIVATE

127/EM-600A / 127/EM-800A

Automatic bollards with integrated electromechanical actuator

	127/EM-600A	127/EM-800A
Cylinder material	S235JR normal steel - X5CrNi 18-10 (AISI 304) stainless steel	
Cylinder diameter	127mm	
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 22mm	
Rising time	5,5s	7,5s
Lowering time	4s	5,5s
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 VAC (+/- 10%) 50/60Hz	
Electromechanical motor	Built-in the bollard	
Protection class	IP 67	
Type of use	100 Cycles/day	
Life units	200.000 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	

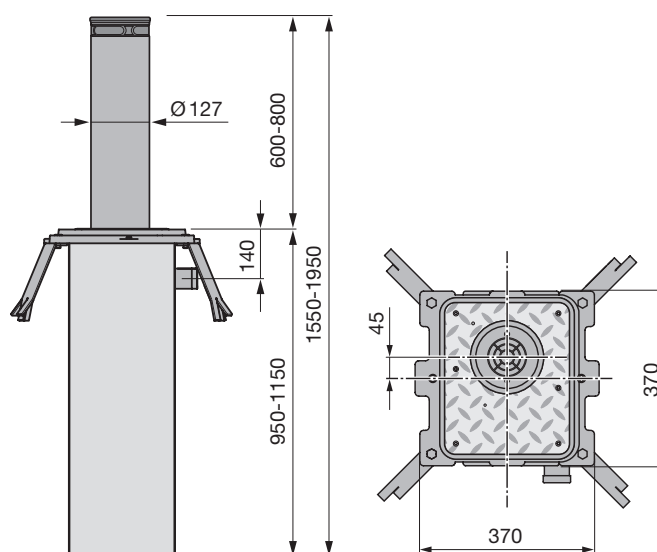


Impact resistance

● 20,000 J

Breakout resistance

● 150,000 J



PILOMAT
HÖRMANN

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

The images shown are for illustrative purposes only and may not exactly represent the actual product.

rev.00 | 05/08/2025



EM
SERIES

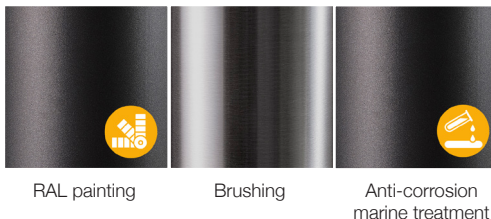


127/EM-600A / 127/EM-800A

Automatic bollards with integrated electromechanical actuator

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 point

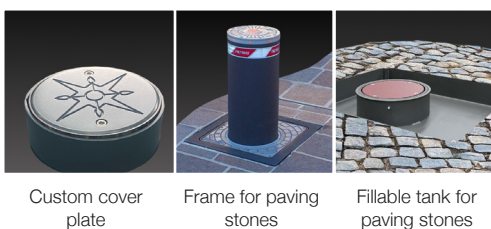
Warning signal

Safety reverse function

Traffic light

Induction loops

Special design



Custom cover plate

Frame for paving stones

Fillable tank for paving stones

Functions



Automatic lowering

Heating element

UPS unit

Sensors: alarm, crash

PILOMAT
HÖRMANN

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



EM
SERIES



127/EM-600A / 127/EM-800A

Automatic bollards with integrated electromechanical actuator

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



PILOMAT
HÖRMANN

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