AUTOMATIC

EMB

SERIES

PROTECTION PUBLIC COMMERCIAL

275/K4EMB-900A
275/M30EMB-1200A

Automatic bollards with integrated brushless drive

TRIPLE CERTIFICATION
PAS68, IWA14, ASTM

Designed for intensive use

The **EMB Series** brings brushless technology to the protection of critical infrastructure and sensitive areas. Designed for **high-frequency applications**, it combines electromechanical operation and crash-rated performance in a range of four models.

- **Brushless motor:** constant performance and maximum efficiency
- **Extreme resistance: up to 1,200,000 J** of absorbed impact energy
- Certified to international standards: **PAS68, IWA 14-1, ASTM**
- Crash test performed according **K4/M30 level**, with a **7,500 kg at 50 km/h**
- **EFO option:** ultra-fast rising for emergency situations.

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.

PILOMAT HÖRMANN

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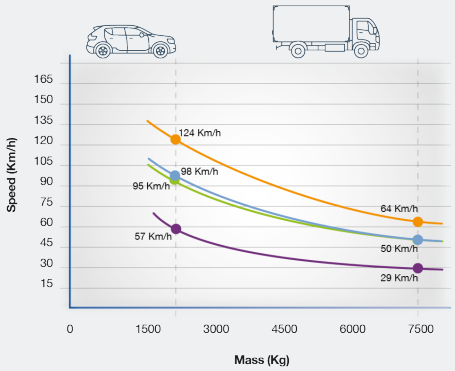
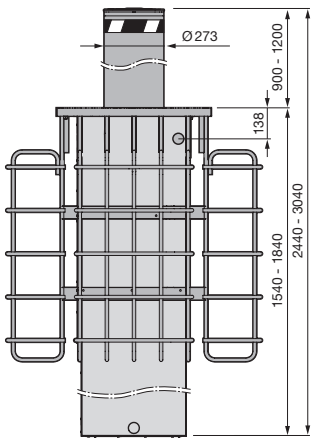
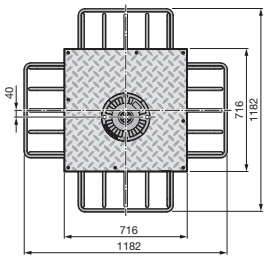
Cylinder material	S355JR normal steel - X5CrNi 18-10 (AISI 304) - X5CrNiMo 17-12-2 (AISI 316) stainless steel	
Cylinder diameter	273mm	
Cylinder height	900mm	1200mm
Cylinder thickness	10mm	16mm
Movement principle	Electromechanical r	
Cylinder normal steel finish	Anti-corrosion treatment - grey anthracite standard painting	
Cylinder stainless steel finish	Grey anthracite standard painting or brushing	
Reflecting adhesive strip	Standard - height 55mm	
Rising time	4s	5,5s
EFO rising time	2s	2,5s
Lowering time	4s	5,5s
Emergency lowering	Standard	
Safety reversal	Standard	
Connection line to control unit	Standard 10m (max 50m)	
Voltage for control unit	230/400 VAC (+/- 10%) 50/60Hz	
Brushless motor	Built-in the bollard	
Protection class	IP 68	
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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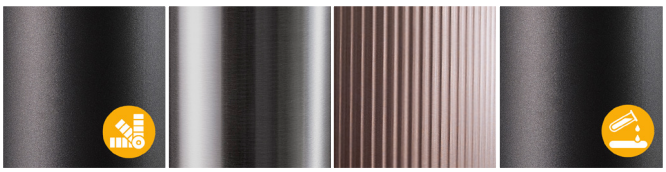
Pilomat offers **safety accessories** for every installed system: including photocells, flashing lights and acoustic sensors for emergency vehicles. Each device is designed to **ensure maximum efficiency, clear signaling and secure control.**

Available finishes



RAL painting | Brushing | Knurling | Anti-corrosion marine treatment

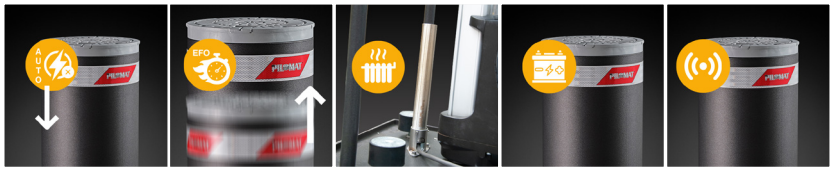
Safety and visibility

Reflecting strip | LED lighting strip | Warning signal | Immersion pump | Traffic light | Induction loops

Special design

Custom cover plate | RAL painted cover | Custom inclination | Fillable tank for paving stones

Functions



Automatic lowering | EFO (Fast emergency operation) | 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

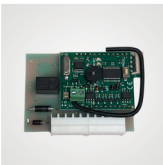
Finger scan

Hand transmitter

License plate reader

App or Bluetooth

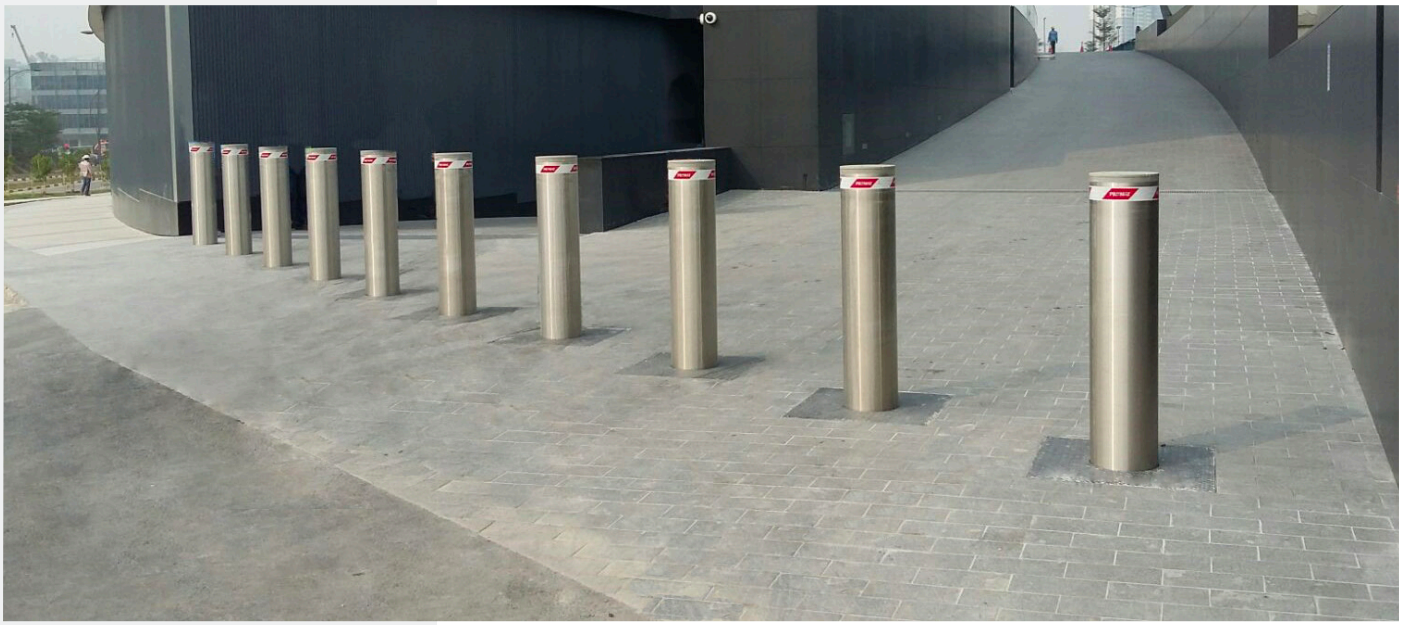
Timer (week - year)


GSM activator

P-Connect

Cloud Unit W5-B

NEW



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