



P
SERIES



275/P-600A / 275/P-800A

Automatic bollards with integrated hydraulic unit



IMPACT RESISTANCE VERIFIED



Perfect for managing urban and commercial access

The automatic bollards of the **P Series** are the ideal choice for managing urban traffic and controlling access in **historic centers, residential areas, corporate parking lots, and commercial zones**. Thanks to the **integrated hydraulic technology**, they ensure **continuous and safe operation even under heavy traffic conditions**.

- Smart access control for **historic centers and Limited Traffic Zones (ZTL)**
- **Protection** for private and commercial parking areas with high flow
- **Resistance up to 250,000 J** to meet urban requirements
- Reliable performance in **intensive cycles, up to 2000 cycles/day**
- **Simultaneous management of multiple bollards**
- Various configurations for **perfect integration** in urban settings.

Smart!

Easier maintenance when choosing the **removable hydraulic unit**



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.

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AUTOMATIC

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TRAFFIC CONTROL



PUBLIC



COMMERCIAL

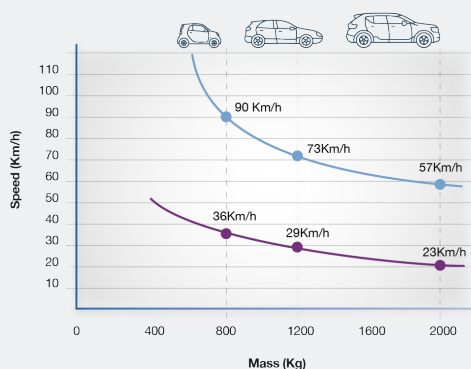


PRIVATE

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Automatic bollards with integrated hydraulic unit

	275/P-600A	275/P-800A
Cylinder material	S235JR normal steel - X5CrNi 18-10 (AISI 304) - X5CrNiMo 17-12-2 (AISI 316) stainless steel	
Cylinder diameter	273mm	
Cylinder height	600mm	800mm
Cylinder thickness	6mm (optional AISI 316: 4mm)	
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	3,5s	4,5s
Lowering time	2s	2,5s
Emergency lowering	Standard (optional: automatic lowering)	
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	40.000 J (approved by TÜV Rheinland)	
Breakout resistance	250.000 J	
Nominal operating temperature	-40°C +70°C (for low temperatures see heating resistance)	
Load class (EN124)	D400	

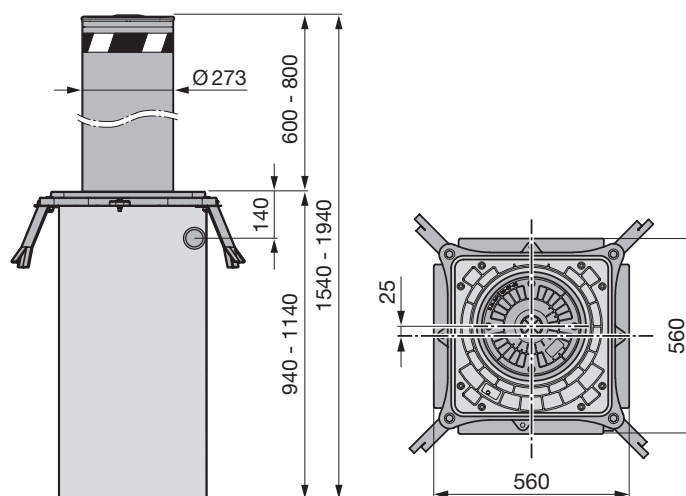


Impact resistance

● 40,000 J

Breakout resistance

● 250,000 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.**

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Available finishes



RAL painting

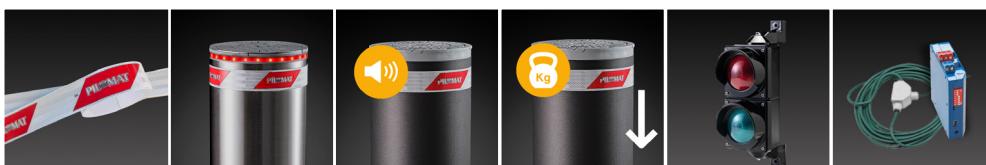
Brushing

Knurling

Stone mantle

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

Full inox

Functions



Automatic lowering

Heating element

UPS unit

Extractable hydraulic unit

Sensors: alarm, crash

Biodegradable oil

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Pilotat 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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