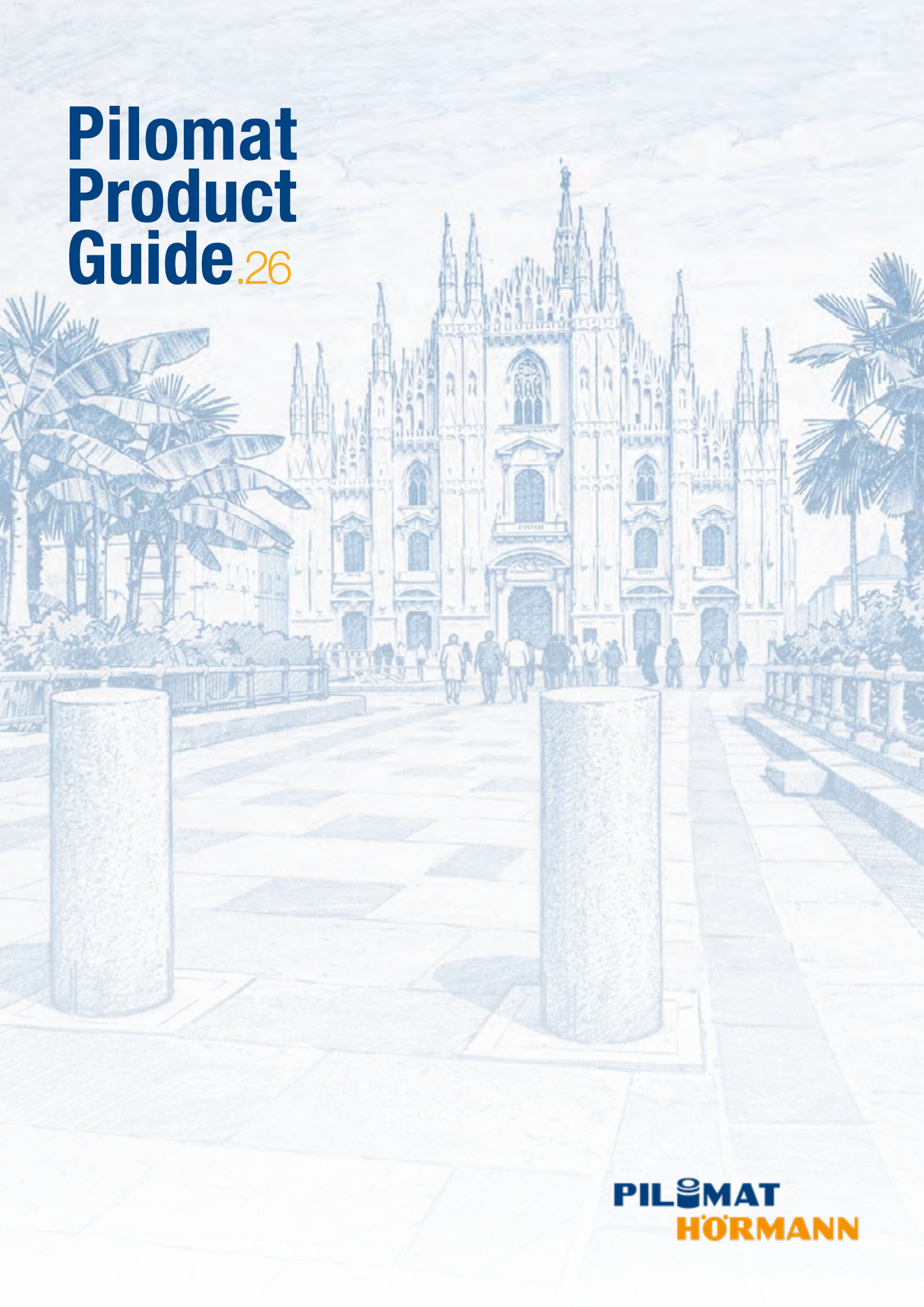


# Pilomat Product Guide .26





## 07 Security Line



## 20 High Security Line



## 34 Accessories



## 37 Supply stations



## 38 Parking barriers

## Pilomat, synonymous with automatic bollard

For **over fifty years**, Pilomat has been synonymous with expertise and innovation in the field of **vehicle access control** and **perimeter security**. Based in **Grassobbio**, in the province of Bergamo, the company has grown from a local reality to an internationally recognized brand, now present in over 50 countries with thousands of systems installed worldwide.

The heart of our production is in Italy, where mechanical **engineering**, **electronic know-how**, and **design** come together to create reliable, long-lasting solutions for vehicle flow control: automatic bollards, barriers, road blockers, mobile and integrated systems designed to protect historic centers, sensitive sites, urban areas, and strategic infrastructure.



## Pilomat, synonymous with automatic bollards

**Since 2016**, Pilomat has been part of the **Hörmann Group**, the European leader in residential and industrial closures. This synergy has strengthened our global presence while preserving the authenticity of Made in Italy.

## A major milestone, our greatest pride

The recognition of our solutions across various countries has enabled us to achieve a result of which we are extremely proud: today, Pilomat has become synonymous with automatic bollards.

## Why choose Pilomat?



### A complete range for every need

From residential settings to high-security sites, Pilomat offers the most comprehensive range of bollards, barriers, road blockers, mobile solutions, and accessories. Every project finds its answer—with no compromise between protection, aesthetics, and functionality.



### Fast installation, no surprises

Each Pilomat product is **100% tested before delivery**. Pre-installed cables, pre-configured control units, and simplified interfaces provide real advantages for installers: **shorter installation time, fewer errors, and lower costs**.



### Certified quality and superior resistance

**More than 20 crash-rated products**, tested and certified according to PAS68, IWA 14-1, ASTM, DIN SPEC, and ISO 22343 standards, ensuring maximum security even under extreme impact conditions. High-quality materials and strict control ensure long-term reliable protection.




### Tailored technology for every project

Thanks to our **in-house Research & Development department**, we design highly **customizable systems**, developed in close collaboration with the client. From a single bollard to the most complex integrated systems, we transform every need into a concrete solution.

# Certified and Authorized Security

## First to obtain the Italian Approval

In Italy, Pilomat bollards were the first to pass the stringent tests of the Ministry of Transport – Department for Land Transport, Directorate General for Motor Vehicles. We have long held **two certifications** that officially authorize the installation of our bollards on public land throughout the country.



**275/P-600A OM**  
**275/P-800A OM**

page 11



## International Certifications

Investments in Research & Development, the continuous evolution of our products, the careful selection of materials, and the rigorous testing carried out to ensure the **highest security** of Pilomat solutions are the foundation of our design and manufacturing operations—resulting in a quality that is recognized through the prestigious international certifications we have achieved.



## Pilomat and sustainability: protecting today, thinking of tomorrow

### Safety and Environmental Responsibility: a possible balance

At Pilomat, safety goes beyond access protection—it extends to environmental care. We have taken tangible steps toward sustainability, becoming the first in the world to obtain an **EPD (Environmental Product Declaration)** for our automatic bollards, models 275/K12EMB-900A and 275/K12-900A.

This certification confirms our commitment to evaluating and communicating the environmental impact of our products throughout their entire life cycle, in accordance with the international ISO 14025 standard.

275/K12EMB-900A  
275/K12-900A

page 20-21



Reg. EPDITALY0412  
Valid. 25.05.2028  
www.epditaly.it



### A shared commitment with the Hörmann Group

Since 2016, Pilomat has been part of the Hörmann Group, the European leader in residential and industrial closures. Together, we share a sustainability strategy based on three pillars: **calculation, reduction, and offsetting of CO<sub>2</sub> emissions.**

Each year, we calculate the carbon footprint of our facilities—including the manufactured products—to identify emission sources and implement effective reduction measures. Residual emissions are offset through certified projects, contributing to the **production of climate-neutral products.**

### Sustainable innovation for a better future

Sustainability guides every stage of our production process: from material selection to the design of efficient, long-lasting solutions. We collaborate with specialized partners to ensure that every Pilomat product meets the highest environmental standards while delivering top-level safety performance.

# Automatic bollards - Electromechanical Plug & Play

Security and ease of use in a single solution

**E-GO**  
SERIES



## Smart protection for your home... and your car

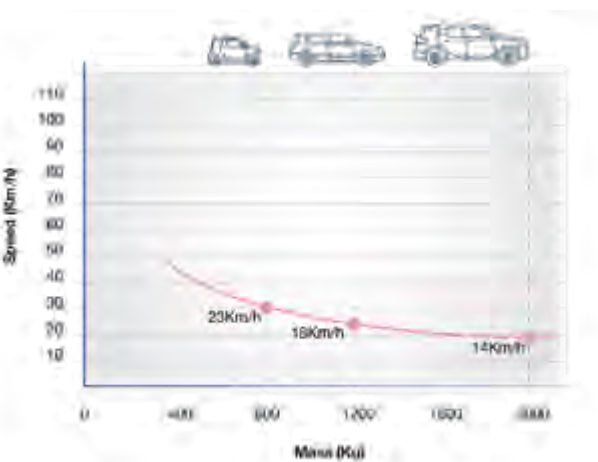
The automatic bollards of the **E-GO Series** are the ideal solution for those looking for an **effective security system** that is **easy to install** and requires **minimal maintenance**. Thanks to Plug & Play technology, installation is immediate and management is intuitive.

- Perfect for **residential driveways and parking spaces**
- **Quick installation** in under one hour
- Control system for **2 bollards simultaneously**
- **Low maintenance** thanks to electromechanical technology
- **Modular control housing** with a maximum distance of 30m between bollard and control unit.

**Smart!** Choose E-GO for a **protected, smart, and simple access.**



E-GO 114-600A	E-GO 114-800A	
114	114	Diameter (mm)
600	800	Height (mm)
7s	9s	Rising time
7s	9s	Lowering time
100	100	Daily cycles
16.000 J	16.000 J	Breakout resistance



**Breakout resistance**  
● 16,000 J





**EM**  
SERIES



## Automatic bollards with electromechanical actuator

### Sustainable and efficient solutions

#### 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.

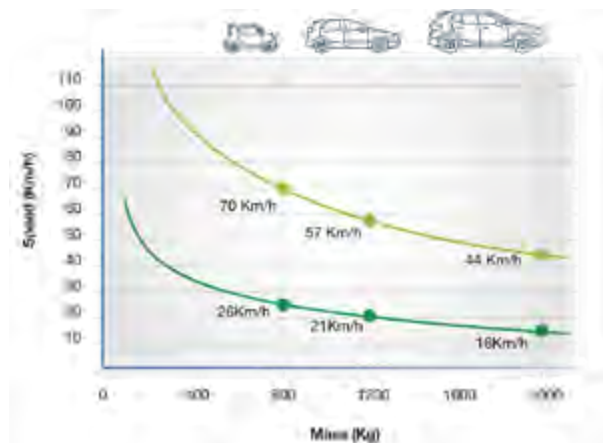
- **Available in different models** to suit any security requirement
- Ideal for **high-frequency use** (up to 1,000 cycles/day)
- Centralized control of up to **9 bollards simultaneously**
- **Reduced maintenance** thanks to electromechanical technology
- **Smooth and silent movement**
- Simplified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



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

	127/EM 600A	127/EM 800A	220/EM 600A	220/EM 800A	275/EM 600A	275/EM 800A
Diameter (mm)	127	127	220	220	273	273
Height (mm)	600	800	600	800	600	800
Rising time	5s	6,5s	5s	6,5s	6s	7s
Lowering time	4,5s	5,5s	4s	5s	5s	5,5s
Daily cycles	100	100	1000	1000	1000	1000
Breakout resistance	150.000 J	150.000 J	150.000 J	150.000 J	150.000 J	150.000 J
Impact resistance *	20.000 J	20.000 J	20.000 J	20.000 J	20.000 J *	20.000 J *

\* Certified by Tüv Rheinland



**Impact resistance** ● 20,000 J  
**Breakout resistance** ● 150,000 J

# Automatic bollards with integrated hydraulic unit

Security for high-traffic areas

**P**  
SERIES



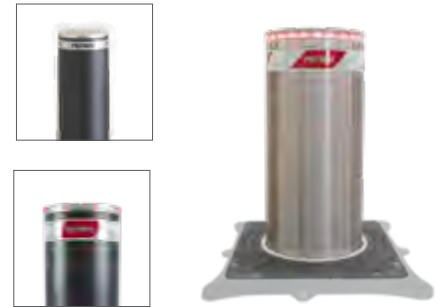
## Perfect for managing urban and commercial access

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**.



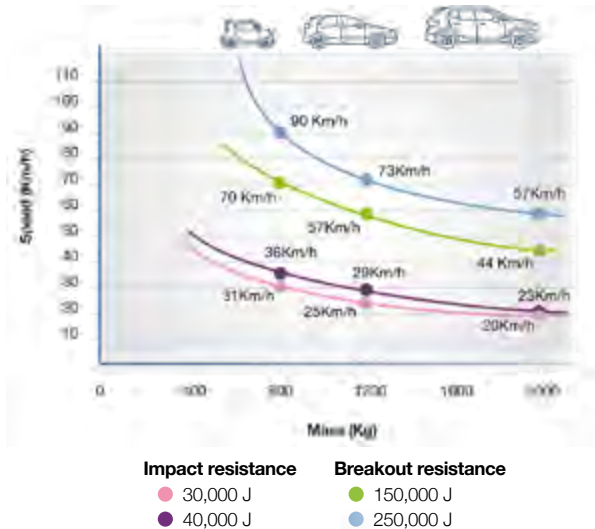
- Smart access control for **historic centers and Limited Traffic Zones (ZTL)**
- **Protection** for private and commercial parking areas with high flow
- **Resistance up to 250,000 J** to meet urban requirements
- **Simultaneous management of multiple bollards**
- Various configurations for **perfect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

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



127/P 600A	127/P 800A	220/P 600A	220/P 800A	275/P 400A 275/P 500A	275/P 600A 275/P 800A	
127	127	220	220	273	273	Diameter (mm)
600	800	600	800	400 500	600 800	Height (mm)
2,5s	3s	3s	3,5s	2,5s 3s	3,5s 4,5s	Rising time
2s	2,5s	2s	2,5s	1,5s 2s	2s 2,5s	Lowering time
2000	2000	2000	2000	2000	2000	Daily cycles
150.000 J	150.000 J	150.000 J	150.000 J	250.000 J	250.000 J	Breakout resistance
30.000 J	30.000 J	30.000 J	30.000 J	40.000 J *	40.000 J *	Impact resistance

\* Certified by Tüv Rheinland





# P10 SERIES



## Reinforced automatic bollards with hydraulic unit

*Superior protection for logistics and transportation*

### Maximum protection for companies, warehouses, and logistics

The automatic bollards of the **P10 Series** are designed to ensure **high protection in corporate and private settings** where a higher security level is required. Perfect for managing access to **warehouses, logistics centers, and industrial facilities**, they ensure strict traffic control and prevent unauthorized intrusions.

- Breakout resistance of **400,000 J**, the highest in the Safety Line
- **Reinforced 10 mm cylinder** for superior security
- **Integrated hydraulic system** for intensive and reliable use
- **Flexible management**, with up to 80m distance between bollard and control unit
- Also available with **biodegradable oil**.

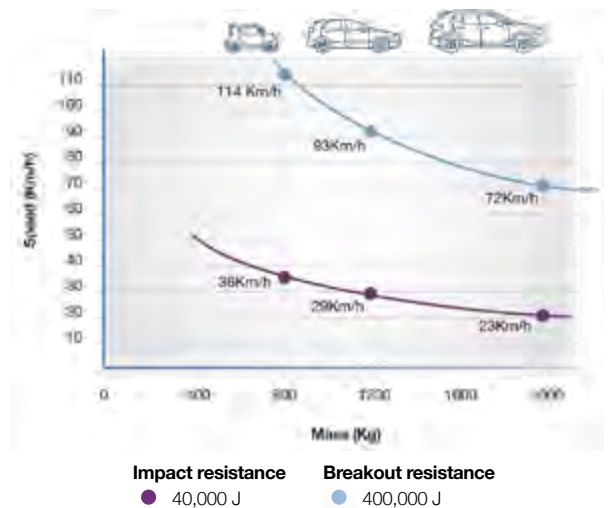


#### 275/P10 600A

#### 275/P10 800A

	275/P10 600A	275/P10 800A
Diameter (mm)	273	273
Height (mm)	600	800
Rising time	4s	4,5s
Lowering time	2s	2,5s
Daily cycles	2000	2000
Breakout resistance	400.000 J	400.000 J
Impact resistance *	40.000 J *	40.000 J *

\* Certified by Tüv Rheinland



**Impact resistance**      **Breakout resistance**  
 ● 40,000 J                      ● 400,000 J

# Automatic bollards with Italian approval

The ultimate solution for managing traffic-restricted areas

**OM**  
SERIES



## Perfect for controlling urban and commercial access

The **OM Series** is the absolute benchmark to control traffic in restricted traffic zones. Certified for installation on public property in Italy, it is the safest and most effective choice for municipalities aiming to **manage vehicle flow** in pedestrian zones, shopping streets, and historic centers.

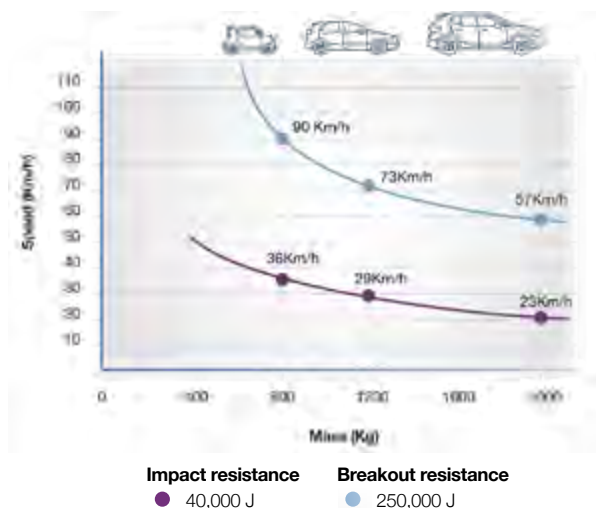
### Mandatory accessories for installation on public property:

- **Traffic light** for flow regulation
- **Warning sign** for retractable bollards
- **Induction loops** for automatic vehicle detection
- **LED strip and acoustic signal** for visibility and safety
- **Time programmer** for automated access management
- **Acoustic analyzer** for emergency vehicle siren recognition
- **Emergency** break glass button for **manual release**.



275/P 600A OM8	275/P 800A OM8	
273	273	Diameter (mm)
600	800	Height (mm)
3,5s	4,5s	Rising time
2s	2,5s	Lowering time
2000	2000	Daily cycles
250.000 J	250.000 J	Breakout resistance
40.000 J *	40.000 J *	Impact resistance

\* Certified by Tuv Rheinland





**P**  
SERIES



## Semi-automatic bollards with gas spring

*Security without electrical power*

### Simple and intuitive access control

The **P Series** semi-automatic bollards are the ideal solution for those seeking a reliable security system for **occasional use**. Perfect for restricted traffic areas, **private driveways**, corporate **parking lots**, and **residential zones**, they offer effective protection without the need for electrical power.

Thanks to the gas spring, the bollard **risers automatically**, while **lowering is performed manually** and intuitively with light foot pressure.

- **No electrical power required**
- **Manual lowering** and **automatic rising** via gas spring
- **Guaranteed safety** with integrated lock compliant with UE standard DIN 18252
- **Low costs** of installation and maintenance.

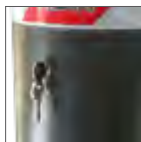


	127/P 500SA	127/P 600SA	220/P 600SA	220/P 800SA	275/P 500SA	275/P 600SA	275/P 800SA
Diameter (mm)	127	127	220	220	273	273	
Height (mm)	500	600	600	800	500	600	800
Rising time	2,5	3s	3s	4s	2,5s	3s	4s
Lowering time	Manuale						
Breakout resistance	150.000 J	150.000 J	150.000 J	150.000 J	250.000 J	250.000 J	
Impact resistance	30.000 J	30.000 J	30.000 J	30.000 J	30.000 J*	30.000 J*	

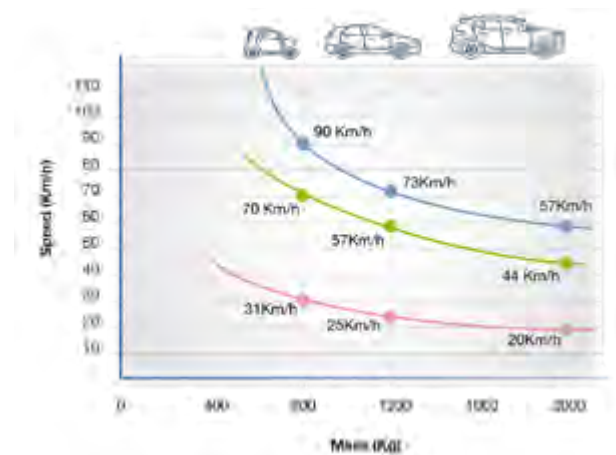
\* Certified by Tüv Rheinland



STANDARD



OPTIONAL



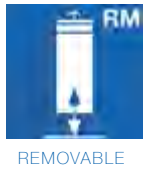
**Impact resistance**  
● 30,000 J

**Breakout resistance**  
● 150,000 J  
● 250,000 J

# Removable bollards with closed base

*Flexible and versatile protection*

**RM**  
SERIES



## Access only when needed

The **RM Series** removable bollards offer a **safe and versatile** solution for access control in **areas with infrequent traffic**.

Unlike other systems, the cylinder can be **easily removed without tools**, thanks to the **ergonomic handle** and reduced weight.

Additionally, the **base plate** fully seals the opening, **ensuring safety for pedestrians and vehicles**.

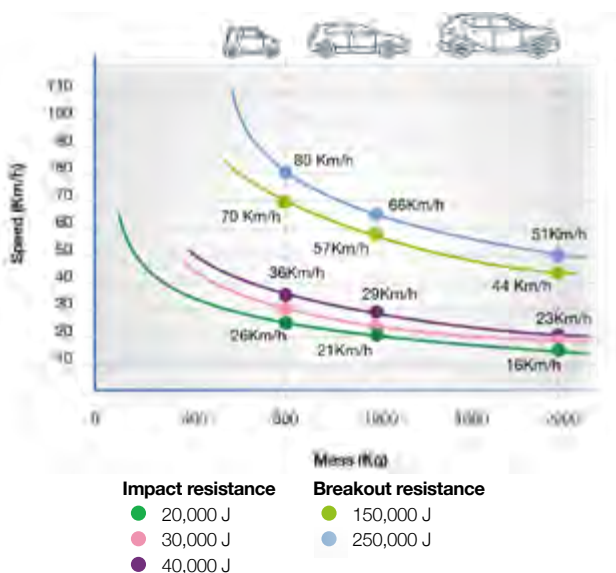
- Removable cylinder with a **quick and intuitive system**
- Fast installation with **only 300mm excavation**
- **No need for electrical power**
- **Safe: handle unlocking protected** by European-standard lock (DIN 18252).



127/RM 600	127/RM 800	220/RM 600	220/RM 800	275/RM 600A	275/RM 800	
127	127	220	220	273	273	Diameter (mm)
600	800	600	800	600	800	Height (mm)
11	13	19	23	22,5	27,5	Cylinder weight (Kg)
150.000 J	150.000 J	150.000 J	150.000 J	200.000 J	200.000 J	Breakout resistance
20.000 J	20.000 J	30.000 J	30.000 J	40.000 J	40.000 J	Impact resistance



STANDARD





**PF|PL**  
SERIES

FIXED



## Fixed bollards

*Security and boundary definition*

### Permanent delimitation and protection

**Fixed bollards** of the **PF and PL Series** provide continuous and reliable protection for buildings, squares, and pedestrian areas. Both versions **can be equipped with an LED strip** for improved night visibility — ensuring safety and a consistent aesthetic in any urban or corporate environment.

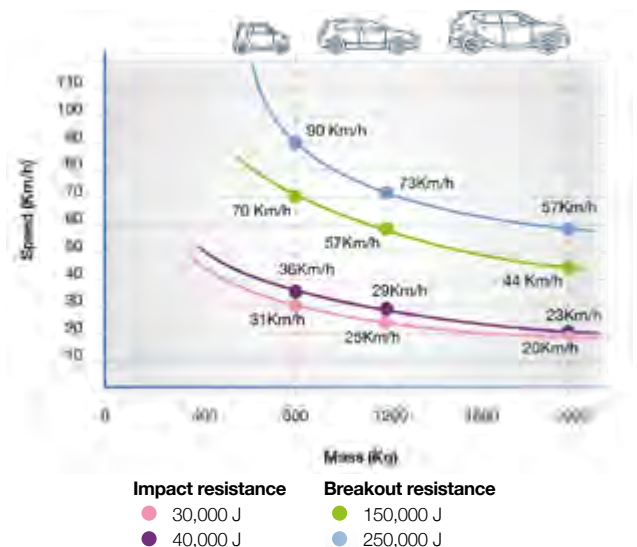
- **PF Series: with ground anchors**, it is the ideal solution for permanent protection of non-trafficable areas. The direct anchoring ensures stability and quick installation.
- **PL Series: equipped with a counterframe**, it is designed to integrate with automatic and semi-automatic bollards, maintaining a coordinated appearance. The cylinder can be easily removed for replacements or special events.



**Smart!** Saline environment? **Marine anti-corrosion treatment** ensures extra protection.

	127/500F	127/600F	127/800F	220/600F 220/800F	275/500F	275/600F 275/800F
Diameter (mm)	127	127	127	220	273	273
Height (mm)	500	600	800	600 800	500	600 800
Breakout resistance	150.000 J	150.000 J	150.000 J	150.000 J	250.000 J	250.000 J
Impact resistance	30.000 J	30.000 J	30.000 J	30.000 J	40.000 J *	40.000 J *

\* Certified by Tüv Rheinland



# Fixed bollards with reinforced basement and cylinder

Superior protection for critical areas

**FB**  
SERIES



FIXED



## The most resistant fixed bollards of the Security Line

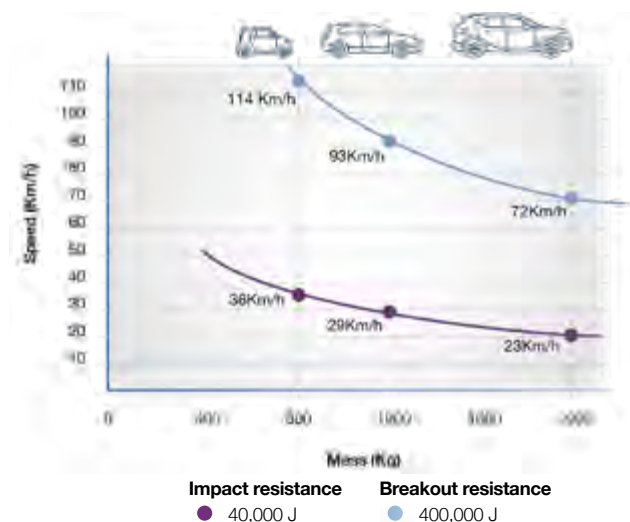
The fixed bollards of the **FB Series** are designed to offer the highest level of protection within the Pilomat Security Line. Thanks to their **reinforced basement** and high-strength cylinder, they are the ideal solution for **securing critical or sensitive zones**.

- **The strongest bollards** of the Pilomat Security Line: **400,000 Joules**
- Reinforced basement and stronger cylinder for **superior protection**
- **Ideal for perimeter protection** of buildings and sensitive areas
- **Optional LED strip** for improved night visibility.



275/P10 600F	275/P10 800F	
273	273	Diameter (mm)
600	800	Height (mm)
400.000 J	400.000 J	Breakout resistance
40.000 J *	40.000 J *	Impact resistance

\* Certified by Tüv Rheinland





**RT**  
SERIES

FIXED



PUBLIC



COMMERCIAL



PRIVATE

## Fixed bollards with anchor bolts

*Faster installation, no excavation required*

### The perfect balance between safety and aesthetic integration

The **RT Series fixed bollards** are designed to provide high impact resistance and reliable protection, even in complex environments such as bridges, viaducts, or roads **with limited slab thickness**. Thanks to **chemical anchors** fitting, they require no excavation or invasive work, ensuring a safe and solid fixing.

- **Quick installation** with chemical anchors
- High-strength structure, with **performance verified** through impact tests
- **Essential and robust design**, suitable for a wide range of architectural contexts
- **Broad customization options** in finishes, dimensions, and materials.

NEW!



**Smart!** Crash test pending.

#### 220/RT 800F

Diameter (mm)	220
Height (mm)	800
Breakout resistance	124.000 J
Impact resistance	80.000 J



# Design fixed bollards

Security and elegance for urban spaces



FIXED



## Style, security and convenience in a single solution

The **Design fixed bollards** are made for those seeking **effective protection** with a visually harmonious appearance—perfect for historic centers, pedestrian zones, prestigious buildings, and modern urban areas.

Available in different finishes, including **painted steel or stainless steel**, they seamlessly integrate into the surrounding architectural context.

- **Five models** and three diameters to ensure seamless integration
- **Quick installation** via concrete embedding or screw-on flange
- Version with **bike lock support (model LH)**
- Also available in a **removable version** for greater versatility (**model RM**).

**Smart!** With **optional reinforcement rod**, it withstands **impacts up to 200,000 J**, equivalent to a compact car at 60 km/h.



102/900F	140/900F	168/900F	
102	140	168	Diameter (mm)
900	900	900	Height (mm)
Standard	Standard	Standard	Setting in concrete
Optional	Optional	Optional	Screw-on flange



**140/900F-LH**

*With lock for bicycles*



**140/900RM**

*Removable version*





**CG**  
SERIES



## Mobile barrier for traffic management

*Security barrier with planter design*

### Design and safety for urban traffic

**City Gate** is a one-of-a-kind sliding mobile barrier designed to regulate access to **pedestrian areas, traffic-restricted zones, and city centers** in a low-impact and elegant way.

Unlike traditional barriers, City Gate also functions as a **planter**, it can be filled with flowers or plants **to blend perfectly into the urban environment**.

- **Possibility to plant flowers or plants** to enhance the area's aesthetics
- Quick installation, **no excavation** or construction work required
- **Sliding movement** for flexible access management
- **Equipped with photocells**, acoustic signals, and flashing lights for maximum safety.



**CITY GATE  
SMALL**

**CITY GATE  
BIG**

Fixed structure dimension (mm)	1620 x 670 x h 900mm	2350 x 670 x h 900mm
Sliding structure dimension (mm)	1200 x h 630mm	1700 x h 630mm
Opening / closing time	18s	25s



One-side (right opening)



One-side (left opening)



Two-sides





**EMB**  
SERIES



Reg. EPDITALY0412  
Valid. 25.05.2028  
www.epditaly.it

Mod. 275/K12EMB-900A

## Automatic bollards with brushless electromechanical drive *Maximum sustainable security*

### Security, sustainability, and certified performance

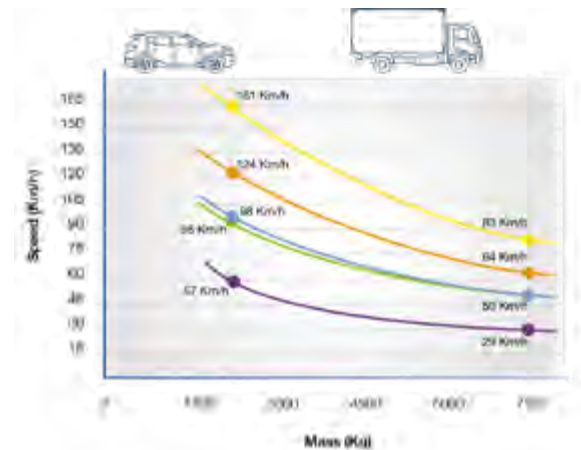
Pilomat **High Security** bollards offer **maximum protection** against vehicle attacks, thanks to brushless electromechanical technology, which ensures **high performance, lower consumption, and reduced maintenance**.

- **Brushless motor:** constant performance and maximum efficiency
- **World's only EPD-certified:** uncompromised security and sustainability
- **Extreme resistance: up to 2,000,000 J** of absorbed impact energy
- Certified to international standards: **PAS68, IWA 14-1, ASTM**
- **EFO option:** ultra-fast rising for emergency situations.

**Unique!** TÜV Rheinland verified durability test  
**2,000,000 non-stop cycles without damage!**  
(peak: 6,000 cycles/day – 270 cycles/hour)



	275/K4EMB 900A	275/M30EMB 1200A	275/K12EMB 900A	275/M50EMB 1200A
Diameter (mm)	273	273	271	271
Height (mm)	900	1200	900	1200
Rising time	4s	5,5s	4s	5,5s
Lowering time	4s	5,5s	4s	5,5s
Daily cycles	2000	2000	2000	2000
Breakout resistance	750.000 J	1.200.000 J	2.000.000 J	2.000.000 J
Impact resistance	250.000 J	700.000 J	700.000 J	700.000 J
Certified to	PAS68, IWA 14-1, ASTM M30 (K4)		PAS68, IWA 14-1, ASTM M50 (K12)	
In compliance with	-	ASTM M40 (K8)	-	-



**Impact resistance**  
 ● 250,000 J  
 ● 700,000 J

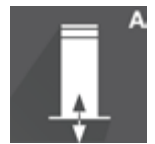
**Breakout resistance**  
 ● 750,000 J  
 ● 1,200,000 J  
 ● 2,000,000 J

# Automatic bollards with integrated hydraulic unit

Technology and efficiency for enhanced protection

K/M

SERIES



## Our best-sellers of all time

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 greater environmental care
- **Extreme protection: up to 2,000,000 J** breakout resistance
- **Certified to PAS68, IWA 14-1, ASTM** international standards
- **The only EPD-certified bollards in the world:** security and sustainability.



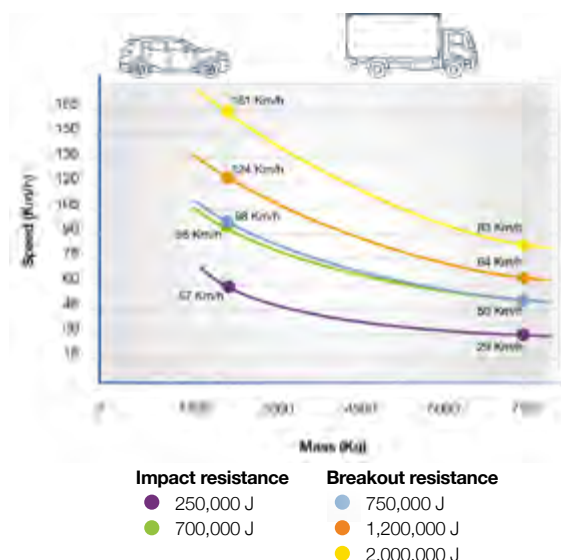
Reg. EPDITALY0412  
Valid. 25.05.2028  
www.epditaly.it

Mod. 275/K12-900A

**Smart!** Faster maintenance with **external hydraulic unit**  
(optional available only for models K12/M50)



275/K4 700A	275/K4 900A	275/M30 1200A	275/K12 900A	275/M50 1200A	
273	273	273	271	271	Diameter (mm)
700	900	1200	900	1200	Height (mm)
3s	7s	5,5s	4s	5,5s	Rising time
2s	3,5s	4s	4s	4s	Lowering time
2000	2000	2000	2000	2000	Daily cycles
750.000 J	750.000 J	1.200.000 J	2.000.000 J	2.000.000 J	Breakout resistance
250.000 J	250.000 J	700.000 J	700.000 J	700.000 J	Impact resistance
-	PAS68, IWA 14-1, ASTM M30 (K4)		PAS68, IWA 14-1, ASTM M50 (K12)		Certified to
PAS68, IWA 14-1, ASTM M30 (K4)	-	ASTM M40 (K8)	-	-	In compliance with





# K/M SERIES



## Semi-automatic bollards with integrated hydraulic unit

*Certified protection for low-frequency access points*

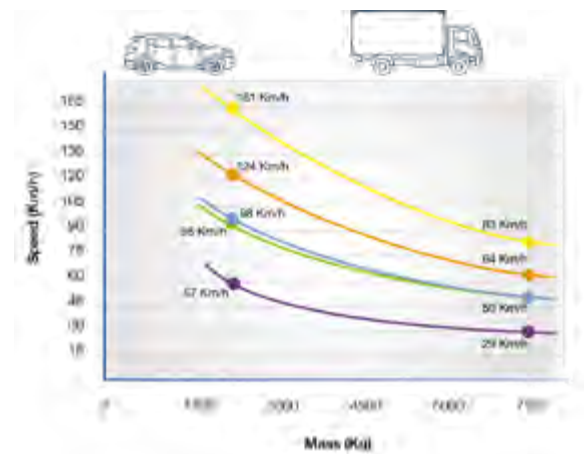
### High security with no compromises

The High Security semi-automatic bollards are the ideal solution for installations with **infrequent passage**, offering certified protection **without electrical supply**. The rising is performed by means of a drill, while lowering is controlled by a manual valve. **Certified to PAS68, IWA 14-1, and ASTM**, they withstand impacts from trucks traveling at 50 to 80 km/h.

- **Certified according to PAS68, IWA 14-1, ASTM** international standards
- Ideal for **low-frequency access points**
- **Manual** rising and lowering
- **No electrical power required**
- **Faster installation** and maintenance.



	275/K4 900SA	275/M30 1200SA	275/K12 900SA	275/M50 1200SA
Diameter (mm)	273	273	271	271
Height (mm)	900	1200	900	1200
Rising time	11s	15s	11s	15s
Lowering time	4,5s	6s	4,5s	6s
Breakout resistance	750.000 J	1.200.000 J	2.000.000 J	2.000.000 J
Impact resistance	250.000 J	700.000 J	700.000 J	700.000 J
Certified to	PAS68, IWA 14-1, ASTM M30 (K4)		PAS68, IWA 14-1, ASTM M50 (K12)	
In compliance with	-	ASTM M40 (K8)	-	-



**Impact resistance**  
 ● 250,000 J  
 ● 700,000 J

**Breakout resistance**  
 ● 750,000 J  
 ● 1,200,000 J  
 ● 2,000,000 J

# Removable bollards with reinforced basement

Strength, innovation, and flexible use

**RM**  
SERIES



## Certified protection with quick removal

The High Security **removable bollards** combine certified protection with maximum efficiency, ideal for areas with limited or **occasional access**. The **smart unlocking and lifting system** is integrated into the head, ensuring protection against tampering. The cylinder can be **removed quickly** using a forklift or crane.

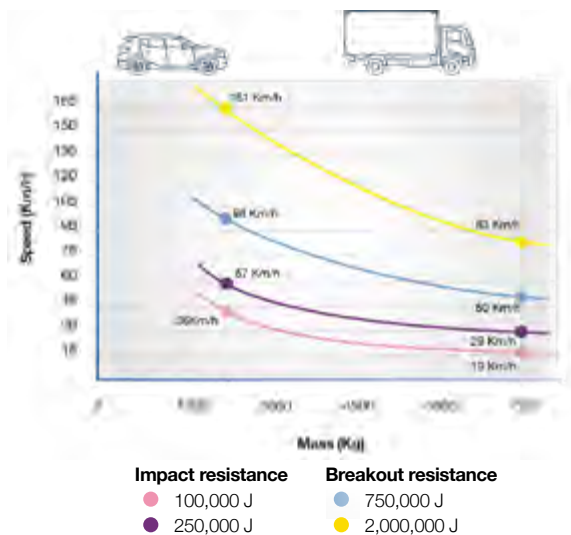
- Perfect for **mixed systems**, thanks to **matching design** with automatic models
- **Also available with LED lights** for improved visibility
- **Integrated unlocking and lifting system** for secure handling
- **Withstands impacts** with trucks **at 50 and 80 km/h**.

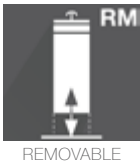


**Smart!** Also available in **shallow foundation version** for reduced excavation depth.



275/K4RM 700	275/K4RM 900	275/M30RM 1200	275/K12RM 900	275/M50RM 1200	
273	273	273	271	271	Diameter (mm)
700	900	1200	900	1200	Height (mm)
78	92	166	199	243	Cylinder weight (Kg)
750.000 J	750.000 J	750.000 J	2.000.000 J	2.000.000 J	Breakout resistance
100.000 J	100.000 J	100.000 J	250.000 J	250.000	Impact resistance
-	PAS68, IWA 14-1, ASTM M30 (K4)	-	-	-	Certified to
PAS68, IWA 14-1, ASTM M30 (K4)	-	PAS68, IWA 14-1, ASTM M30 (K4)	PAS68, IWA 14-1, ASTM M50 (K12)		In compliance with





**RM**  
SERIES



## Removable bollards with shallow foundation

*Flexible protection in presence of underground utilities*

### Guaranteed security with only 200 mm of excavation

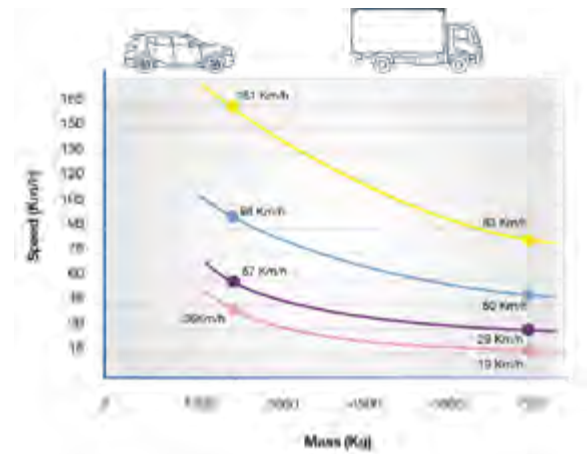
The removable **shallow foundation bollards** offer advanced protection with simplified installation, requiring **just 200 mm of excavation**.

The cylinder can be **quickly removed** using a forklift or crane, and the closed basement ensures maximum stability without leaving openings.

- **Only 200mm excavation** required (300 mm on stone surfaces)
- **Resistant to impacts** with trucks at **50 km/h** and **80 km/h**
- **Quick removal** via forklift or crane
- **Secure and integrated** unlocking and lifting system
- Designed in compliance with **ASTM, IWA 14-1, PAS68** standards.

**Smart!** More elegant and corrosion-resistant with the **stainless steel sleeve**.

	275/K4SF 900RM	275/K12SF 900RM	275/M50SF 1200RM
Diameter (mm)	273	273	273
Height (mm)	900	900	1200
Cylinder weight (Kg)	82	200	240
Foundation depth (mm)	200	200	200
Breakout resistance	750.000 J	2.000.000 J	2.000.000 J
Impact resistance	100.000 J	700.000 J	700.000 J
Certified to	PAS68, IWA 14-1, ASTM M30 (K4)	-	-
In compliance with	-	PAS68, IWA 14-1, ASTM M50 (K12)	



**Impact resistance**  
 ● 100,000 J  
 ● 250,000 J

**Breakout resistance**  
 ● 750,000 J  
 ● 2,000,000 J

# Fixed bollards with counterframe

*Anti-terrorism security with coordinated design*

**K**  
SERIES



FIXED



PROTECTION



PUBLIC



COMMERCIAL

## Maximum security for perimeter protection

The **fixed anti-terrorism bollard with counterframe** guarantees perimeter protection for **sensitive areas, squares, and city centers**.

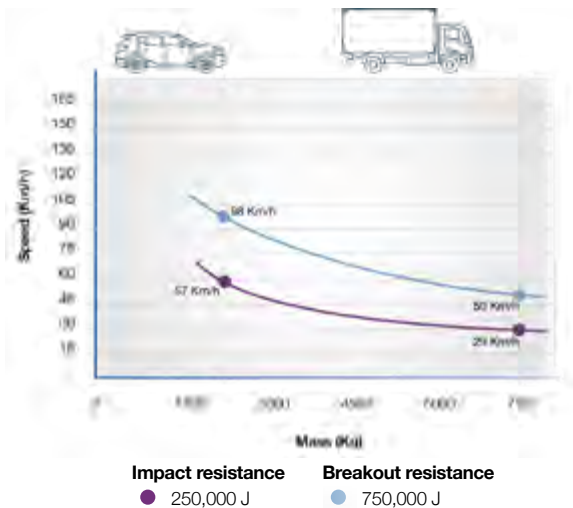
Designed to withstand extreme vehicle impacts, it **matches perfectly with automatic bollards**, maintaining a consistent visual appearance.

- Perfect in **combination with automatic bollards**, thanks to identical design
- Also **available with LED lights** for improved nighttime visibility
- The **cylinder can be replaced** if needed
- It withstands **impacts from trucks at 50 km/h**.



### 275/K4 700F

273	Diameter (mm)
700	Height (mm)
1300	Foundation depth (mm)
750.000 J	Breakout resistance
250.000 J	Impact resistance
PAS68, IWA 14-1, ASTM M30 (K4)	In compliance with





**FB**  
SERIES

FIXED



PROTECTION

PUBLIC

COMMERCIAL



## Fixed bollards with reinforced basement

*Certified security for every level*

### Certified protection for pedestrian zones

The **FB Series fixed bollards** are ideal for **vehicle-restricted areas** and **perimeter protection** of buildings, providing certified security. The robust base and internal reinforcement ensure maximum resistance to **impacts from 7.5-ton trucks traveling at 50 to 80 km/h.**

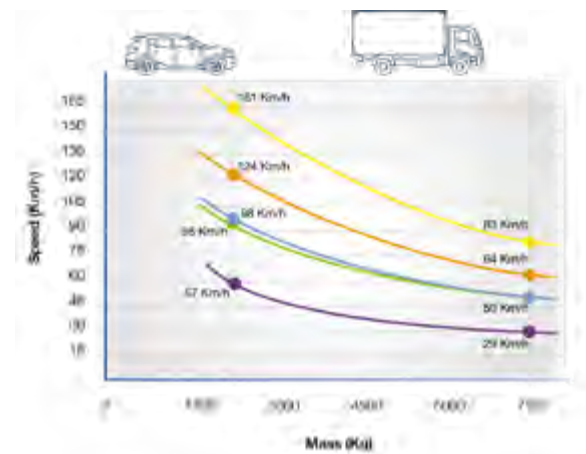
- Available in **painted steel, stainless steel**, or with **replaceable stainless steel sleeve** (K12/M50 models only)
- Optional **LED strip** for improved nighttime visibility
- Reinforced basement **to embed in concrete**
- **Triple certification** to ASTM, IWA 14-1, PAS68 standards.



**Smart!** Now available with **welded top cover**, for a minimal and elegant design (K12/M50 models only).



	<b>275/K4FB 700F</b>	<b>275/K4FB 900F</b>	<b>275/M30FB 1200F</b>	<b>275/K12FB 900F</b>	<b>275/M50FB 1200F</b>
Diameter (mm)	273	273	273	271	271
Height (mm)	700	900	1200	900	1200
Foundation depth (mm)	500	600	600	700	700
Breakout resistance	750.000 J	750.000 J	1.200.000 J	2.000.000 J	2.000.000 J
Impact resistance	250.000 J	250.000 J	700.000 J	700.000 J	700.000 J
Certified to	-	PAS68, IWA 14-1, ASTM M30 (K4)		PAS68, IWA 14-1, ASTM M50 (K12)	
In compliance with	PAS68, IWA 14-1, ASTM M30 (K4)	-	ASTM M40 (K8)	-	-



**Impact resistance**  
 ● 250,000 J  
 ● 700,000 J

**Breakout resistance**  
 ● 750,000 J  
 ● 1,200,000 J  
 ● 2,000,000 J

# Fixed bollards with simple structure

Certified security at the best price

**ST**  
SERIES



FIXED



## Certified resistance and faster installation

The **ST Series fixed bollards** offer the **best quality-price ratio** in perimeter protection, ensuring security for **urban areas** and **sensitive buildings**. They withstand **impacts from trucks at 50 and 80 km/h**, providing maximum reliability.

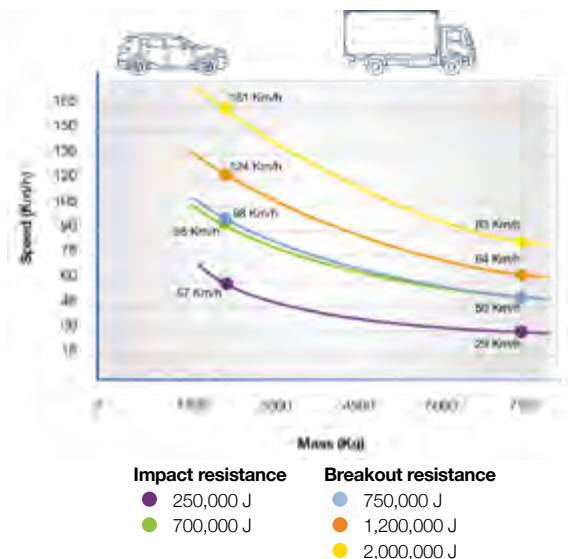
- **Best price** among Pilomat High Security fixed bollards
- Also available with **welded top plate**, for a cleaner and more minimal design
- Available in **painted steel** or with **stainless steel sleeve** (K12/M50 models only)
- **Available with LED lights** for enhanced visibility
- **Triple certification** to **ASTM, IWA 14-1, PAS68** standards.



**Smart!** If the **stainless steel sleeve** is damaged, it **can be easily replaced** without removing the entire bollard!



275/K4ST 700F	275/K4ST 900F	275/M30ST 1200F	275/K12ST 900F	275/M50ST 1200F	
273	273	273	273	273	Diameter (mm)
700	900	1200	900	1200	Height (mm)
600	600	600	700	700	Foundation depth (mm)
750.000 J	750.000 J	1.200.000 J	2.000.000 J	2.000.000 J	Breakout resistance
250.000 J	250.000 J	700.000 J	700.000 J	700.000 J	Impact resistance
-	PAS68, IWA 14-1, ASTM M30 (K4)	-	PAS68, IWA 14-1, ASTM M50 (K12)	-	Certified to
PAS68, IWA 14-1, ASTM M30 (K4)	-	PAS68, IWA 14-1, ASTM M30/M40 (K4/K8)	-	PAS68, IWA 14-1, ASTM M50 (K12)	In compliance with





**SF**  
SERIES

FIXED



PROTECTION



PUBLIC



COMMERCIAL



## Fixed bollards with shallow foundation

*Certified protection – K4/M30 level*

### Modular security with reduced excavation depth

The **SF Series** shallow foundation bollards provide certified K4/M30 protection with a **reduced foundation depth**. The **modular system** allows multiple units to be combined, adapting to any area.

- Installation with **only 200 mm excavation** (300 mm on stone surfaces)
- Suitable for **projects with angle configuration** and sloped surfaces
- **Impact tested with trucks at 50 km/h**
- **Triple certification** to ASTM, IWA 14-1 and PAS68 standards.

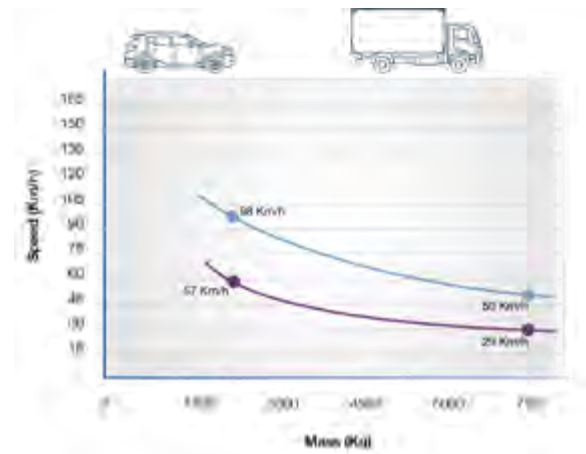
RECYCLING



**Smart!** Also available with **removable cylinder**.

### 275/K4SF 900F

Diameter (mm)	273
Height (mm)	900
Foundation depth (mm)	200
Breakout resistance	750.000 J
Impact resistance	250.000 J
Certified to	PAS68, IWA 14-1, ASTM M30 (K4)



**Impact resistance** ● 250,000 J  
**Breakout resistance** ● 750,000 J

# Fixed bollards with shallow foundation

Certified protection – K12/M50 level

**SF**  
SERIES



FIXED



PROTECTION



PUBLIC



COMMERCIAL

## Maximum security with only 200 mm of excavation

The **SF Series fixed bollards** provide certified protection, withstanding impacts from trucks **up to 80 km/h**. Their simplified installation requires only 200 mm of excavation. **Preassembled modules** can be connected to create **custom configurations**.

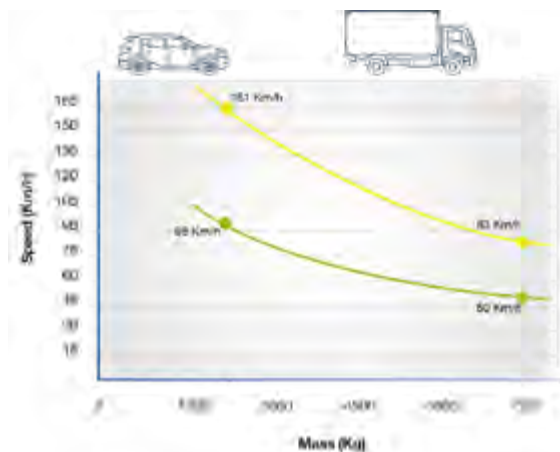
- Preassembled modules for **faster installation**
- Also available with **welded coverplate** for a cleaner and more minimal design
- Available in **painted steel, stainless steel**, or with a **replaceable stainless steel sleeve**
- **Certified** to international standards: **ASTM, IWA 14-1, PAS68**.



**Smart!** Also available in a version with **3,000,000 J breakout resistance**.

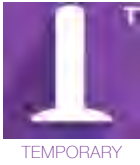


275/K12SF 900F		275/M50SF 1200F		
273		273		Diameter (mm)
900		1200		Height (mm)
200		200		Foundation depth (mm)
2.000.000 J		2.000.000 J		Breakout resistance
700.000 J		700.000 J		Impact resistance
PAS68, IWA 14-1, ASTM M50 (K12)				Certified to



**Impact resistance**      **Breakout resistance**  
● 700,000 J      ● 2,000,000 J





T  
SERIES

## Temporary vehicle barriers

Oktablock



### Instant protection, no installation required

Oktablock is a certified IWA14 and PAS68 **temporary security barrier**. No installation is needed—**just position it to ensure immediate protection**. In case of impact, it overturns to stop the vehicle without requiring anchoring.

**Modular, transportable, and reusable**, it adapts to any urban setting or event.



- Protects entrances to streets and spaces used for **outdoor events**
- Also **available in TR version**, certified by the **German Police**
- Withstands **impacts from trucks at 50 km/h**
- **Certified** according to **IWA 14-1 and PAS68** standards.



**Smart!** Easy to move and position thanks to **Oktamover!**

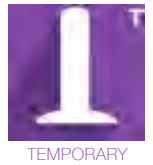
	OKTABLOCK	OKTABLOCK TR
Diameter (mm)	273	273
Height (mm)	1250	1250
Base dimension (mm)	800 x 30 x 800	800 x 40 x 800
Bollard weight (Kg)	350	450
Breakout resistance	750.000 J	986.000 J
Certified to	PAS68, IWA 14-1	SK1B, TR Pol



# Temporary vehicle barriers

## Road Blocker Mobile RBM

T  
SERIES



### Certified security for temporary events

Road Blocker Mobile RBM is a **hostile vehicle mitigation barrier, certified to ISO 22343-1:2023 and DIN SPEC 241411-2021-04** with anti-manipulation level MK2. It is designed to effectively protect public areas during **outdoor events** such as concerts, festivals, and markets, while ensuring passage for pedestrians and bikes.

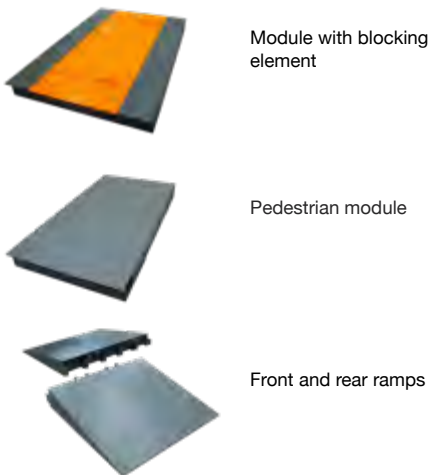
- The mobile door allows **access for emergency vehicles**
- **Fast installation, no anchoring** to the ground required
- **Modular structure adaptable** to different spatial needs and configurations
- **Optimized for fast transport**, can be positioned using a forklift
- **Certified resistance** to truck impacts **at 50 km/h**.



**Smart!** Space-saving in warehouse and easy to transport thanks to **the dedicated pallet!**

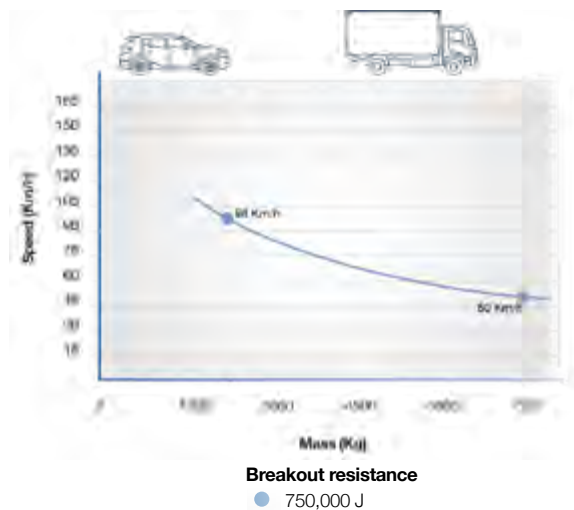


RESTYLING



### ROAD BLOCKER MOBILE

796	Height with blocking element in extended position (mm)
600	Retractable blocking element width (mm)
800 x 2890 x h 118mm - 302Kg	Pedestrian module dimension (mm)
1000 x 2890 x h 118mm - 480Kg	Module with blocking element dimension (mm)
Manual	Operation
750.000 J	Breakout resistance
DIN SPEC 91414 (MK2), IWA 14-1, (M30/K4), ISO 22343	Certified to





**RBS**  
SERIES



## Surface-mounted Road Blocker

Road Blocker with integrated hydraulic unit

### Reliable protection without excavation

The **RBS500** and **RBS1000** surface-mounted Road Blockers offer effective protection with **fast, non-invasive installation**—ideal for environments where the presence of underground utilities makes excavation difficult. Both models feature a **compact design** with integrated components, ensuring reliability for **intensive-use**.

- Available in three widths: **3.5 m, 4.5 m, and 5.5 m**
- Ideal for **high-frequency use** applications
- **No excavation needed** thanks to surface anchoring with chemical anchors
- **RBS500** is certified to stop **vehicles up to 3.2 t**
- **RBS1000** is certified to stop **7.5 t trucks at 50 km/h**.

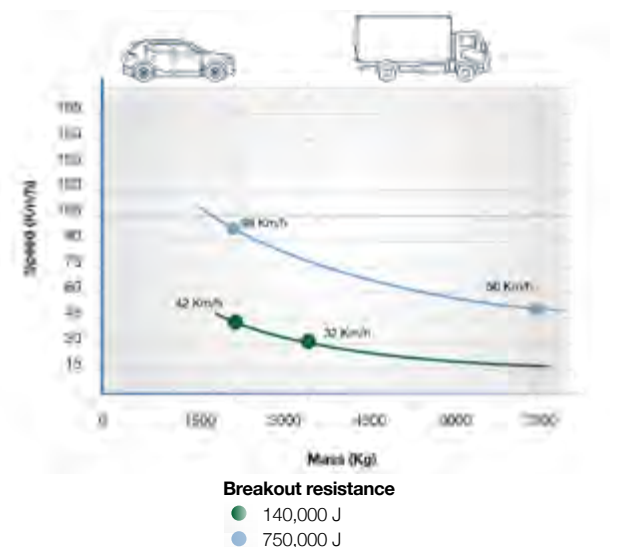


**Smart!** **RBS1000:** Available in **semiautomatic version** and **hold-to-run control**.

#### RBS500 SURFACE

#### RBS1000 SURFACE

	RBS500 SURFACE	RBS1000 SURFACE
Height (mm)	500	1000
Platform width (m)	3,5 - 4,5 - 5,5	3,5 - 4,5 - 5,5
Rising time	5,5s	7s
Lowering time	7s	7s
Breakout resistance	140.000 J	750.000 J
Certified to	PAS68, IWA 14-1	PAS68, IWA 14-1, ASTM M30 (K4)



# Road Blocker with shallow foundation

Road Blocker with external hydraulic unit

**RB**

SERIES



## Anti-terrorism solutions for sensitive areas

The **RB500** and **RB1000** Road Blockers are cutting-edge solutions for perimeter protection, combining **high security standards** with **easy installation and maintenance**.

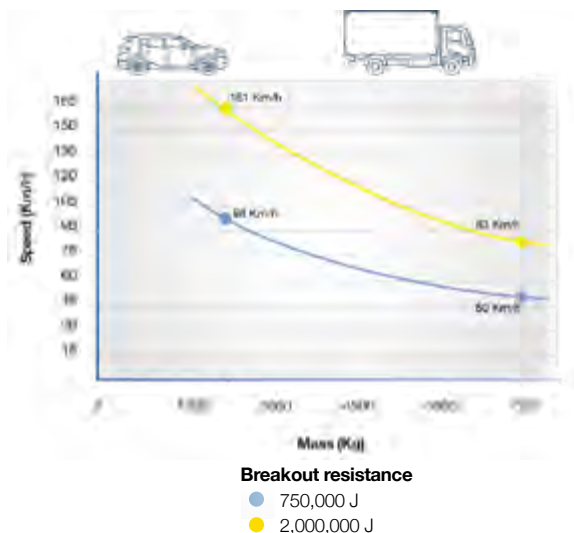
- **Shallow mount** installation, requiring **only 500 mm excavation**
- Hydraulic system: reliable technology for **intensive and long-term use**
- Available in widths from **2 to 6 meters**
- Load class **D400** (**E600** available for **RB1000** only)
- Optional **biodegradable oil** for the hydraulic unit
- **Maximum protection:** RB1000 certified **PAS68 at 80 km/h**.



**Smart!** **Semi-automatic version also available:**  
ideal for installations in absence of electrical power or low-frequency access points.



RB500	RB1000	
500	1000	Height (mm)
2 - 3 - 4 - 5 - 6	2 - 3 - 4 - 5 - 6	Width (m)
500	500	Foundation depth (mm)
4,5s	7s	Rising time
4,5s	7s	Lowering time
750.000 J	2.000.000 J	Breakout resistance
-	PAS68	Certified to
PAS68, IWA 14-1, ASTM M30 (K4)	IWA 14-1, ASTM M50 (K12)	In compliance with





# B

SERIES



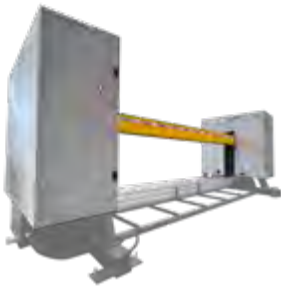
## Automatic barrier with integrated hydraulic unit

*Anti-terrorism barrier for sensitive areas*

### Security, strength, and technology for intensive use

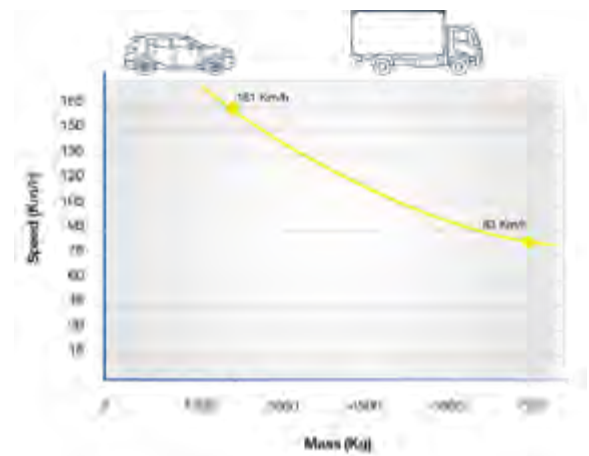
**Barrier** is designed in accordance with **PAS68, IWA 14-1, and ASTM standards**, offering protection for access points **up to 6 meters wide** on both traffic ways. Its **hydraulic system with integrated PLC** ensures smooth movement, reduces maintenance, and allows precise, customized control.

- Designed to **stop truck impacts** at 80 km/h
- Features a **channel to recess the barrier arm** when lowered
- **All components are integrated** in the side casings for greater security
- Equipped with **safety photocells** (anti-collision and anti-crushing)
- Available also with **EFO function, LED strip, and manual operation** mode.



**Smart!** Add a traffic light on the casings for **instant signaling and improved safety!**

BARRIER	
Height (mm)	1100
Width (m)	3 - 4 - 5 - 6
Rising time	7s
Lowering time	7s
Breakout resistance	2.000.000 J
In compliance with	PAS68, IWA 14-1, ASTM M50 (K12)



**Breakout resistance**  
● 2,000,000 J

# Tyre killer vehicle barriers

Mechanical and automatic Tyre Killers

**TK**  
SERIES



## Integrated solutions for sensitive areas

**Tyre Killers** stop unauthorized vehicles using high-strength **steel spikes** that damage tires. Available in both **automatic and mechanical versions**, they provide **maximum protection** for critical infrastructures and are **designed to integrate** with other access control systems.

### Tyre Killer Small:

- **Allows one-way** vehicle flow
- **Spikes can be locked** in the down position when needed

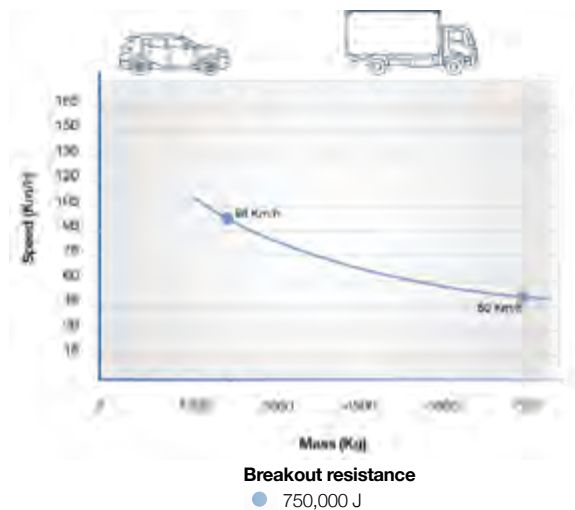
### Tyre Killer Big:

- Hydraulic technology for **intensive and long-term use**
- Withstands **impacts up to 50 km/h** by 7.5-ton trucks.

**Smart!** Perfect for **integration with other access control systems**.



TKSMALL	TKBIG	
61	500	Spike height (mm)
2 - 3 - 4 - 5 - 6	2 - 3 - 4 - 5 - 6	Width (m)
105	200	Spike distance (mm)
-	4,5s	Rising time
-	4,5s	Lowering time
-	750.000 J	Breakout resistance
-	M30 (K4)	In compliance with



## Accessories for access control systems



Pilomat offers **control and safety accessories** for every installed system: from push buttons, selectors, and remote controls, to photocells, flashing lights, traffic lights, and acoustic sensors for emergency vehicles. Each device is designed to **ensure maximum efficiency, clear signaling, and intuitive operation.**

### Multifunction columns

- **Single and double-sided** columns
- In painted **steel** or **stainless steel**
- **Seamless integration** of traffic lights and control devices.

**Smart!** Suitable for housing the **control unit**: everything in one place, organized, practical, elegant!



**200x300mm**

h 2000 mm



**Ø 170mm**

h 1500/1800mm



**Ø 275mm**

h 1500/1800mm

### Control devices



Key switch



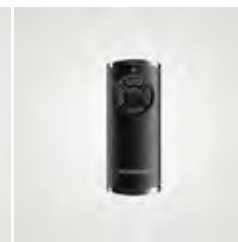
Card reader



Numeric key pad



Finger scan



Hand transmitter



License plate reader



App or Bluetooth



Timer (week - year)



GSM activator



Cloud Unit W5-B



**NEW!**

## Bollard finishes



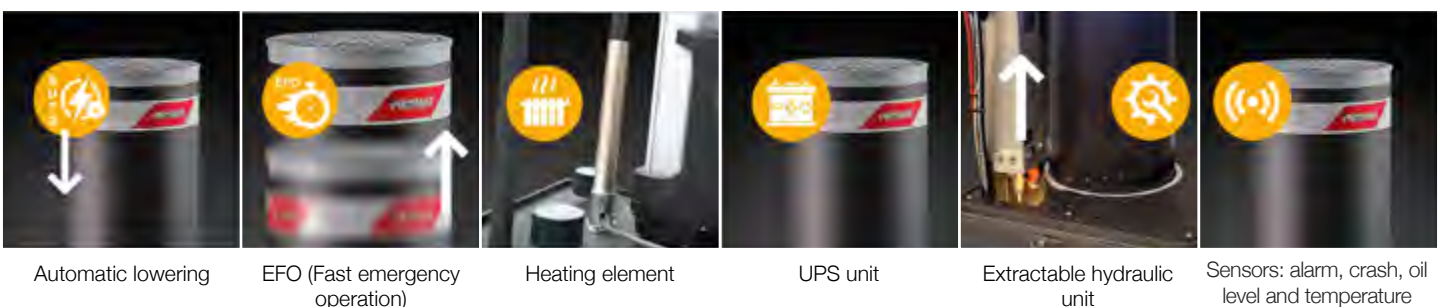
## Safety and visibility



## Special design



## Functions



## P-Connect, smart access control



### Access control, wherever you are

With **P-Connect**, you can control **bollards and barriers remotely** via cloud or local network. The system enables activations, blocks, and **real-time monitoring**—optimizing response times and management. **Easy to integrate**, it reduces intervention times and improves operational security.

- Remote control via **app and browser**
- **Account activation** and real-time **monitoring**
- **Event log** and multi-user/multi-site management
- **Easy installation** and compatible with all Pilomat products
- **Reduced maintenance time** and management costs.



### Ideal applications

**Public Administration:** Real-time monitoring of access to restricted traffic zones (LTZ), with specific management for residents and external users.

**Companies and Offices:** Effective perimeter control with user-level access management, ensuring security and traceability.

**Logistics and Transportation:** Efficient vehicle management through license plate recognition and remote access control.

**Healthcare Facilities:** Access control for reserved areas such as emergency departments and supply zones, improving internal security.

**Hospitality Sector:** Differentiated access levels for staff and guests, limited to the stay period—enhancing security and operational efficiency.

WATCH



THE VIDEO

# Supply stations

Semiautomatic stations for power supply and utility



## Power where and when it's needed—safely

Designed to provide **electrical power and complementary utilities**, the Energy and London stations feature semi-automatic movement: they rise using a key that unlocks the integrated handle. **Perfect for urban spaces**, campsites, marinas, and shopping centers, they combine discreet integration with full functionality.

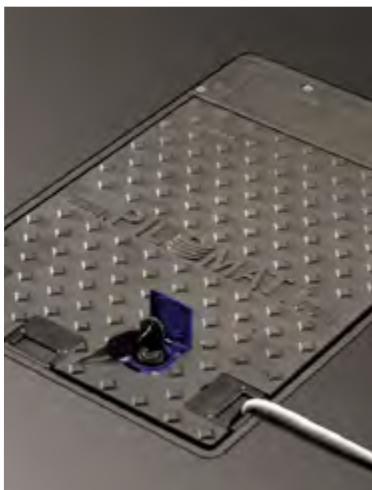


- **Retractable design** for maximum order and safety
- **For both driving and pedestrian zones** (load classes C250 and D400)
- **Fillable cover** for perfect integration with surrounding paving
- Custom solutions: **electrical outlets, water, data, compressed air.**

**Smart!** Choose London model —it provides services **even while closed!**



B3020 60	B4030 60	B4040 55	LONDON 6040	LONDON 8050	
300 x 200	400 x 300	400 x 400	700 x 480	820 x 520	Dimension (mm)
600	600	550	535	675	Height (mm)
IP66	IP66	IP66 / IP67	IP66	IP66 / IP67	Protection class
✓	✓	✓	✓	✓	Electrical sockets
-	-	✓	✓	✓	Water / compressed air
-	-	✓	✓	✓	Telephone / Internet
C250	C250	D400	D400	D400	Load class





PARKING BARRIERS



## Automatic chain barrier

### Chain series

#### The automatic chain for wide entrances

**Chain** is an automatic barrier system designed for **openings up to 20 meters**. During opening, the chain lowers completely, allowing full vehicle access. The compact side column houses the motor, **ensuring a clean and integrated access**.

- **Versatile system** for both large and small entrances
- **Quick and simple installation** with minimal masonry work
- Equipped with **hand transmitter** for remote control
- **All components are integrated in the side columns**, ensuring a clean and organized design.



**Smart!** Ask for the **underground channel** for a fully concealed and tidy system.

#### CHAIN

Maximum chain length - 5mm links (m)	20
Column dimension (mm)	218 x 178 x 1010
Chain height from ground (mm)	4m: 750 - 10m: 600 - 20m: 350
Opening time	10s
Closing time	10s



# Automatic parking barrier

## Park Series



### Your parking space, protected with a click

**Pilomat Park** is a **compact automatic** parking barrier, anchored to the ground with bolts. It is easily operated via a **dedicated remote control** and rises **in just 3 seconds**, protecting your space from unauthorized access. Equipped with an **anti-tampering alarm**.

- **Surface installation**, no masonry work required
- **Ideal for reserved parking** in apartment buildings or commercial premises
- **Fast movement**: opens and closes in just 3 seconds
- **Built-in alarm** in case of tampering.

**Smart!** Your space is always protected. No stress.  
No hassle. Just control.



**NEW!**

#### PARK

486	Barrier height from ground (mm)
680x460x90mm	Barrier dimension - open (mm)
340x486x90mm	Barrier dimension - closed (mm)
3s	Rising time
3s	Lowering time





PARKING BARRIERS



## Manual parking barriers

### Parkey Series

#### Reserve your parking space easily

Pilomat Parkey barriers are manual, **fold-down parking protectors** designed to prevent unauthorized occupation of private spaces.

**Made of galvanized steel**, they are easy to install and available in a variety of shapes and sizes to suit every need.

- **Various models** to meet every requirement
- Rounded shapes for a **refined and safe design**
- **Simple bolt-down installation** on any type of surface
- **Secure closure** with padlock or integrated lock.



**AR50**



**AR600**



**AR100**



**AR700**

465	790	730	60	Width (mm)
490	500	500	900	Height (mm)



**ARB580**



**AR580**



**AR200**

1090 x 990	860	750	Width (mm)
465	465	465	Height (mm)





The images shown are for illustrative purposes only and may not exactly represent the actual product. Pilomat reserves the right to modify product images and specifications at any time without prior notice.

# Pilomat Product Guide.26

We keep people safe

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