



FIXED

SF

SERIES



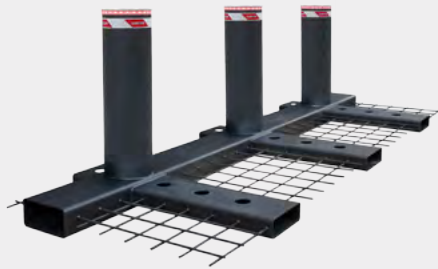
PROTECTION



PUBLIC



COMMERCIAL



TRIPLE CERTIFICATION
PAS68, IWA14, ASTM

275/K4SF-900F

Fixed bollards with shallow foundation

Modular security with reduced excavatin depth

The **SF Series** shallow foundation bollards provide certified K4/M30 protection with a **foundation depth of only 200 mm**. The **modular system** allows multiple units to be combined, adapting to any area. Preassembled modules with internal reinforcement ensure **simplified installation**.

- Installation with **only 200 mm excavation** (300 mm on stone surfaces)
- **Preassembled modules** available in **sets of 1, 2, or 3 bollards**
- Installation **adaptable to 90°, 45°, 30° angles** and sloped surfaces
- **Impact resistant with trucks at 50 km/h (level K4/M30)**
- **Triple certification:** ASTM, IWA 14-1, PAS68.

Smart! **Limited excavation space** but need flexible protection?
Request it with a **removable cylinder**.



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.

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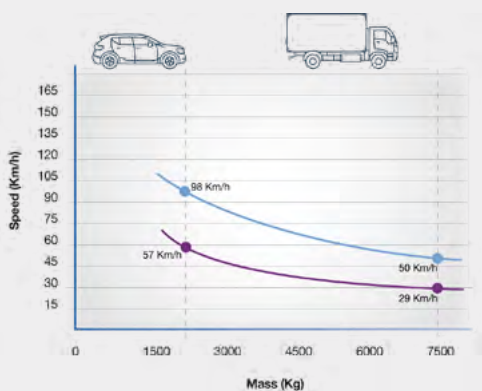
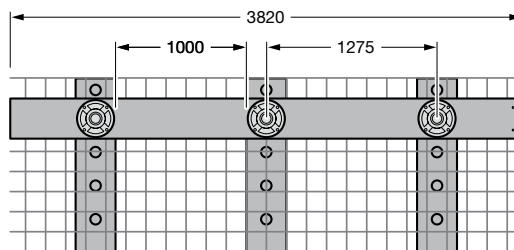
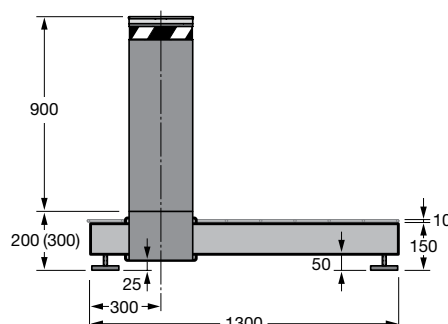
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275/K4SF-900F

Fixed bollards with shallow foundation

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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
Cylinder thickness	10mm
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
Connection line for LED lighting strips	Standard 10m (max 80m)
Protection class	IP 67
Impact resistance	250.000 J
Breakout resistance	750.000 J
Certified to (requires standard ground fitting for 3 fixed cylinders)	PAS68, IWA 14-1, ASTM M30 (K4)



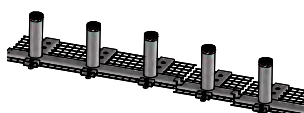
Impact resistance

● 250,000 J

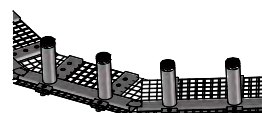
Breakout resistance

● 750,000 J

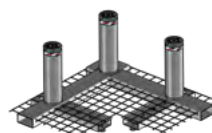
Example of installation on a slope



Example of angled installation (curved)



Example of angled installation (90° angle)



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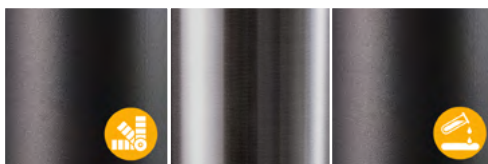
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Pilomat offers **safety accessories** for every installed system: reflecting strip, LED lighting strip. Each device is designed to **ensure maximum efficiency, clear signaling and secure control.**

Available finishes



RAL painting

Brushing

Anti-corrosion
marine treatment

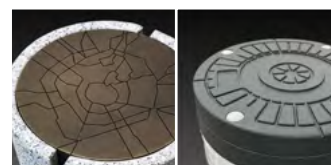
Safety and visibility



Reflecting strip

LED lighting strip

Special design



Custom cover
plate

RAL painted
cover



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

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