

B
SERIES



BARRIER K12

Automatic barrier with integrated hydraulic unit

Security, strenght, 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**. 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!**

Standard configuration

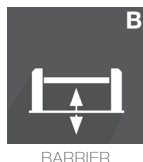
The standard configuration of our systems is designed to ensure efficiency, safety and ease of management. The configuration includes:

- **Barrier**, a device for controlling vehicle access with **integrated control unit**, manages the operation of the device.

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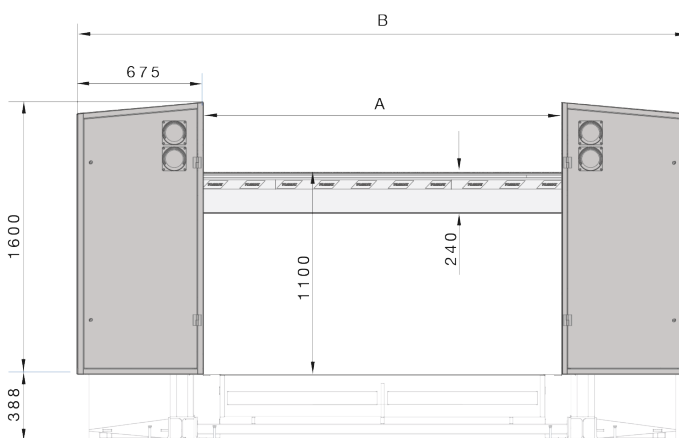


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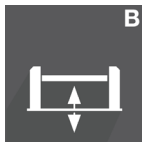
Moving barrier height above ground level	1100mm
Moving barrier length	3 m – 4 m – 5 m – 6 m
Movement principle	Hydraulic
Barrier surface treatment, steel version	Anti-corrosion treatment - yellow standard painting
Moving barrier upper plate surface finish	Anti-slip stainless steel plate
Reflecting adhesive strip	Standard - height 55mm
Rising time	7s
Lowering time	7s
EFO rising time	2s
Control unit with PLC technology	Standard
Voltage for control unit	230/400 VAC (+/- 10%) 50/60Hz
Type of use	2000 Cycles/day
Life units	3.000.000 Cycles
Breakout resistance	2.000.000 J
Manual handling device	Optional
LED lighting strips (30 LEDs per metre)	Optional
Protection class	IP 67
Nominal operating temperature	-40°C +70°C (for low temperatures see heating resistance)
Load class (EN124)	D400
In compliance with	PAS68, IWA 14-1, ASTM M50 (K12)



Model	A	B
3,0 m	3120 mm	4470mm
4,0 m	4120 mm	5470mm
5,0 m	5120 mm	6470mm
6,0 m	6120 mm	7470mm

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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

Anti-corrosion treatment

Safety and visibility



Reflecting strip

LED lighting strip

Warning signal

Photoelectric sensors

Induction loops

Traffic light

Functions



Automatic lowering

EFO (Fast emergency operation)

Heating element

UPS unit

Manual handling device

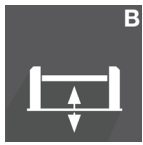
Biodegradable oil

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PROTECTION

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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



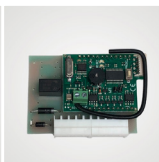
Hand transmitter



License plate reader



App or Bluetooth

Timer
(week - year)

GSM activator



P-Connect



Cloud Unit W5-B



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