The PILOMAT K12/M50 SERIES automatic bollards have been designed to ensure the anti-terrorist defence at the highest levels. The current models are the result of the development of more than 15 years of experience.

**GENERAL FEATURES**

- **hydraulic movement**: The most reliable technology for most intense use at all temperatures and weather conditions;
- **built-in hydraulic pump in the bollard**: This philosophy has many advantages, particularly in installations in locations with severe winter temperatures or when the installation requires a considerable distance (up to 80 metres) between the PILOMAT and the control unit;
- **patented system for the protection of handling**: to maximise the reliability of operations due to impact by vehicles on the cylinder that is put in motion;
- **wide range of optional configurations**: custom colours, flashing lights integrated into the head, intermittent sound signal, heat resistance installations in locations with harsh winter temperatures, UPS unit for operation in the temporary occurrence of power failure, equipment control, equipment accident prevention (see accessories and optional items).

**RECOMMENDED USES**

Driveways and industrial business - Research Centres - Embassies
Police Headquarters - Military Bases - Ministerial Buildings - Sensitive Locations

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**SPECIFICATIONS**

- **MOVING CYLINDER**: FE 510 STEEL (IRON)
- **MOVING CYLINDER NOMINAL DIAMETER**: 275 mm
- **MOVING CYLINDER HEIGHT**: 1200 mm
- **MOVING CYLINDER THICKNESS**: 25 mm
- **MOVING CYLINDER FE 510 STEEL FINISH**: POLYESTER POWDER PAINT – STANDARD GREY ANTHRACITE
- **OTHER MOVING CYLINDER FINISH**: RIBS ON CYLINDER SURFACE - 304 AISI STAINLESS STEEL BRUSHED COVERING 1,5 mm
- **REFLECTING ADHESIVE STRIP**: YES – HEIGHT 55 mm
- **RISING SPEED**: 25 cm/sec
- **LOWERING SPEED**: 40 cm/sec
- **MANUAL EMERGENCY LOWERING**: YES (VERSION WITH RELEASE NO 220 = AUTOMATIC LOWERING)
- **CONNECTION LINE TO CONTROL UNIT**: STANDARD 10 mt (MAXIMUM LENGTH: 80 mt)
- **HYDRAULIC PUMP**: BUILT-IN INTO THE PILOMAT
- **GRADE OF PROTECTION**: IP 67
- **TYPE OF USE**: INTENSIVE - LIFE AVERAGE 2,000,000 MOVEMENTS - 2,000 MOVEMENTS/DAY
- **IMPACT RESISTANCE (WITHOUT DEFORMATION)**: 380,000 J
- **BREAKOUT RESISTANCE**: 2,000,000 J
- **OPERATING TEMPERATURE**: – 40°C + 60°C [FOR LOW TEMPERATURES SEE HEATING RESISTANCE]
- **NOMINAL PILOMAT WEIGHT (WITHOUT PIT)**: 540 kg
- **NOMINAL WEIGHT OF STANDARD PIT**: 490 kg
PILOMAT 275/M50 1200A

AUTOMATIC HYDRAULIC ANTI-TERRORISM BOLLARDS WITH BUILT-IN PUMP

- **Breakout Resistance**: 2,000,000 J
- **Impact Resistance**: 380,000 J

**Main Dimensions**: 275 mm x 795 mm x 1200 mm

**Optional Items**:
- Integrated Flashing Light in the Head
- RAL Painting on Request
- Anonymous Head
- Neutral Refracted Strip
- Ribs on Cylinders Surface
- Buzzer Acoustic Signal During the Movement
- Moving Cylinder Stainless Steel Brushed Covering
- Hydraulic Pump with Biodegradable Oil
- Connection Line, up to 80 MT
- E.F.O. Circuit for Emergency Lift, 1''
- Anti-Tampering Screw Kit for Crown

**Graph**
- Speed (Km/h) vs. Mass (Kg)
- Key points:
  - 161 km/h at 2.000 Kg
  - 70 km/h at 6.800 Kg
  - 42 km/h at 2.000.000 J
  - 380.000 J at 87 km/h

**Technical Data**

- **Breakout Resistance**: 2.000.000 J
- **Impact Resistance**: 380.000 J

**Dimensions**

- Length: 1200 mm
- Diameter: 275 mm
- Height: 1700 mm

**Connection Line**

- Up to 80 MT

**Circuit**

- E.F.O. Circuit for Emergency Lift, 1''