









At present, PILOMAT S.r.l. counts itself among the top leading manufacturers of automated access control technologies in the world. The top priority is the continued development and expansion of the line of products, which is carried out entirely within the company to ensure speedy and precise responses to the various demands of the international

market. We have ensured the guarantee of the reliability and longevity of our mission, through the development of our philosophy geared towards quality improvement, as well as placing ever higher quality standards into our production at competitive costs and reduced lead time and schedule.





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CL /ERIE/ 220/CL 600A - 275/CL 600A

PL /ERIE/ 220/PL 600A - 275/PL 600A - 355/PL 600A

P JERIEJ 127/P 600A - 127/P 800A - 220/P 600A - 275/P 400A - 275/P 500A - PARK 275/P 500A - 275/P 600A - 275/P 800A - 275/P 800A - 275/P 800A K/M /ERIE/ 275/K4 700A - 275/M30 900A - 275/K12 900A - 275/M50 1200A



PL /ERIE/ 127/PL 500SA - 127/PL 600SA - 220/PL 600SA - 275/PL 500SA - 275/PL 600SA - 275/PL 800SA - 355/PL 600SA



PL /ERIE/ 127/PL 500F - 127/PL 600F - 127/PL 800F - 220/PL 600F - 275/PL 500F - 275/PL 600F - 275/PL 800F PF /ERIE/ 127/PF 500F - 127/PF 600F - 127/PF 800F - 220/PF 600F - 275/PF 500F - 275/PF 600F - 275/PF 600F - 355/PF 600F K/M /ERIEJ 275/K4 700F - 275/K4FB 700F - 275/K4FB 900F - 275/M30FB 1200F - 275/K12FB 900F - 275/M50FB 1200F **LUX** 220/PF - 220/PL - 276/PF - 275/PL - 275/K4FB - 275/K12FB



275/RM 600 120/RM 800



500 SERIES BASIC 1000 SERIES HIGH SECURITY



SMALL BIG



BARRIER



ONE SLIDE TWO SLIDES FIXED



B3020 60 - B4030 60 - B4040 55 LONDON 6040 - LONDON 8050



FLEX - CHAIN - PARKY - MULTIGATE

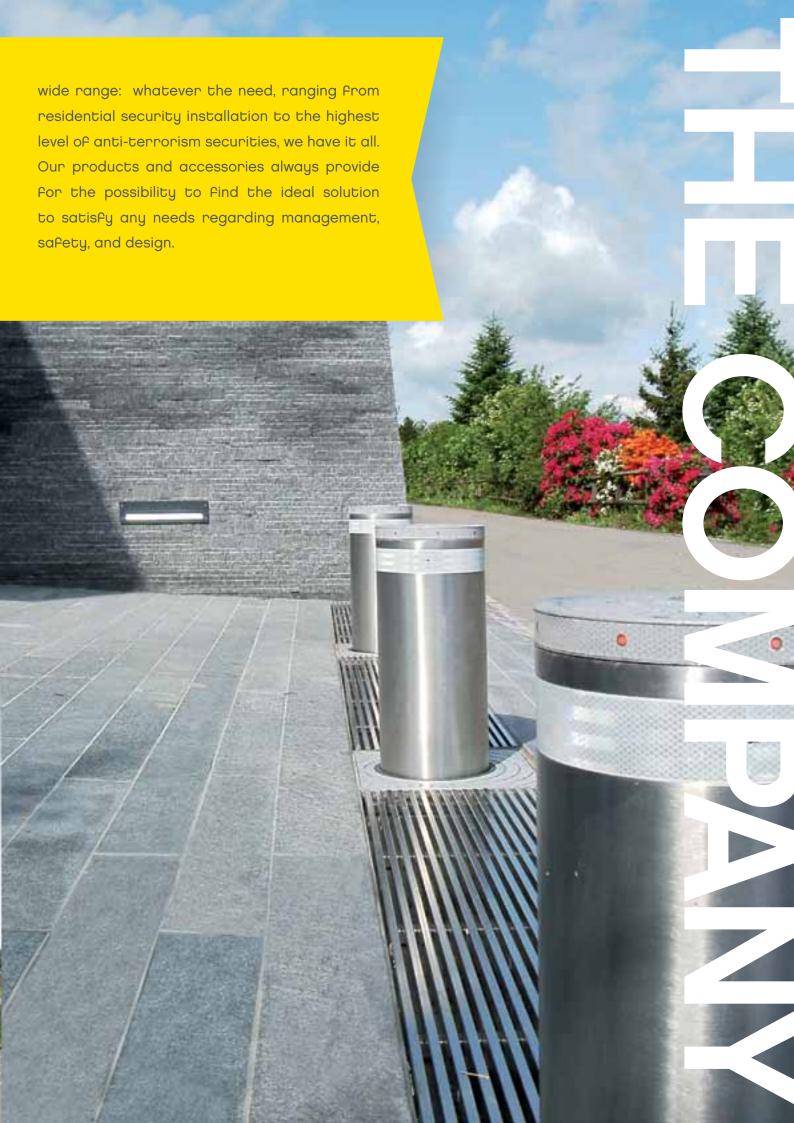
At PILOMAT we believe that the best feature of a product is its quality. We believe in the innovation and research of new products that understand and cater to customer demands, allowing for full functionality and security, with improved performance and greater benefits for the consumer.

Tradition and experience are important values,

a treasure that we always put into play in order to meet the new challenges that lie ahead. To this end, we constantly invest our resources, time and energy in research, technological innovation and instruction.

The present and future of our professional capacity is held through our willingness to evaluate it any time..PILOMAT's strength is its





ORIGINA

PILOMAT S.r.l. has been operating for over 40 years in the installation business, specialising in the design and manufacture of automotive products geared toward access control with concealed technology, designed to meet heavy-duty needs.



In 2009, PILOMAT S.r.l. moved into the new headquarters in Grassobbio (BG), in an industrial area of 12,000 m2 with a floor area of 7,200 m2, an area with new and spacious commercial administrative offices, technical, research and development offices for designing and experimenting with cutting-edge methods and means, customer service and maintenance, and above all else, complete production process with a large and comprehensive stock of products, accessories, and parts which allows for quick answers, deliveries, and spare parts that are always in availability.

The Flagship products are the automatic PILOMAT bollards, hydraulic movement, technology that is universally recognised as the most reliable, seeing as it is a constant development in technology, the pace of the movement being constant, linear and low in noise, as well as uses materials that are reliable and durable, dependable in all temperatures and weather conditions.

100% MADE IN ITALY **OBJECTIVES** To the end of fostering greater confidence with the clients, PILOMAT

To the end of Postering greater confidence with the clients, PILOMAT S.r.l. has set an ambitious goal focused on the customers, responding quickly to new market demands. The programme includes: market research, design planning, prototyping, testing and trials, design validation, production and testing, training for customers and distributors, sales and customer service.

CERTIFICATION



Crash Test - K12 Rating
Certification - SD-SDT-02.01 Standard
Performed at the Texas Transportation Institute
The Texas A&M University System, Texas U.S.A.





Crash Test level M50 (K12)
Certification ASTM F2656-07 Standard
Performed at Karco Engineering, LLC.
Automotive Research Center, Adelanto CA, U.S.A.





Crash Test - M30 (K4) Rating
Certification - ASTM F2656-07 Standard
Performed at Karco Engineering, LLC.
Automotive Research Center, Adelanto CA, U.S.A.





Crash test - PAS68:2013 Bollard V/7500(N3)/80 (K12) Rating
Certification - PAS68:2013 Stardard
Performed at Aisico srl.
Crash test Center , Pereto (Aq) - Italy





Crash test - PAS68:2013 Road Blocker V/7500(N3)/80 (K12) Rating Certification - PAS68:2013 Stardard Performed at Aisico srl.
Crash test Center , Pereto (Aq) - Italy



ITALIAN APPROVAL



ISPETTORATO GENERALE PER LA CIRCOLAZIONE E LA SICUREZZA STRADALE

The Ministry of Transport, Department of Land Transport, the Directorate General of Motors, the Italian agency is responsible for defining the electrical and/or mechanical equipment that is installed on all public roads in Italy.

The PILOMAT bollards products were the first in Italy to exceed the stringent testing and inspections carried out by the aforementioned Ministry, obtaining two approvals that formalise the installation of PILOMAT bollards on all Italian public roads.

TEST

To the end of achieving excellence in the design of new PILOMAT products, as well as the continuous manufacturing development, the new PILOMAT headquarters in Grassobbio operate equipment for the testing of products:

ENVIRONMENTAL CHAMBER

The environmental chamber allows for the testing of environmental stability and simulates specific conditions in temperature. Temperate and relative humidity can be adjusted from +50°C and -30°C. The use of the environmental chamber can improve the reliability of the PILOMAT products tested at various temperatures and humidity levels, and specific tests are performed regarding the intense handling of high temperatures.

INTERNATIONAL PROTECTION TESTING CHAMBER

The chamber for verifying the degree of protection against penetration by foreign entities, the verification of the effect of water penetration and the consequent achievement of electrical parts allow for the testing of PILOMAT products that can determine and improve product reliability in relation to the degree of IP (International Protection).

GRAVITATIONAL PENDULUM

The gravitational pendulum for testing the impact on PILOMAT products is made up of a structure with a hammer attached, a foam ball that moves in a vertical plane after being released without any initial velocity. The hammer is fixed to a rotational axis which is adjustable to the desired height, above ground impact. The PILOMATE are made available for testing in order to ensure that the point of impact coincides with the point at which the trajectory of the hammer meets the vertical plane. The pendulum allows for a range of gravitational energy, adjustable from 500 to 100,000 Joules, depending on the mass of the hammer and the height of the fall. The use of the gravitational pendulum facilitates figuring out the breakage and thus improving the reliability of PILOMAT products, resulting from the damage from the vehicles.

MOTORIJED CART

The motorised cart for carrying out prolonged stress tests on PILOMAT products is made up of an oilhydraulic piston with big cylinder bore, adjustable by height, the beam of which is moving in rectilinear motion in the horizontal plane and is provided at the end of a section of interchangeable semicircular support, depending on the diameter of the PILOMAT being tested. The motorised cart allows for a range of energy, adjustable from 500 to 400,000 Joules, depending on the oil-hydraulic pressure control circuit. The use of the motorised cart facilitates figuring out the breakage and thus improving the reliability of PILOMAT products, resulting from prolonged stress.

SOIL PERMEABILITY COEFFICIENT

An important factor in the installation of PILOMAT bollards, prior to the assessment of the permeability of soil in relation to the drainage of rainwater, is that it should determine in advance whether the permeability of the ground covered by the installation is within acceptable parameters or not. If the water fails to qualify with ease, the soil is very permeable, and then the natural drainage of water will be defined as acceptable. On the contrary, if the soil opposes a strong resistance to the natural drainage of water, then the soil is defined with poor permeability, and then the installation will be carried out with "Wizard" rainwater drainage.

The chart shown below shows the typical values of the permeability coefficient (expressed in kv) for a series of soil, decreasing from soil with high permeability (gravel and sand) to soil of littler to no permeability (silt and clay). To confirm the practise of acceptable soil permeability, it is recommended that at the time of installation, the excavation is carried out at about 50 litres of water per m2, and ensuring that it flows into the ground at about 30'.

BENCHMARH FOR PERMEABILITY COEFFICIENT (m/sec)





ACCEPTABLE PERMEABILITY VALUES





AUTOMATIC PILOMAT - PAG 14

The range of automatic PILOMAT bollards includes a wide selection of items with different mechanical and dimensional characteristics, in order to meet all market demands, from the operation of the single parking space to anti-terrorism protection. Automatic PILOMAT bollards using the criterion of hydraulic or pneumatic handling. Many optional items are available to configure every single installation.



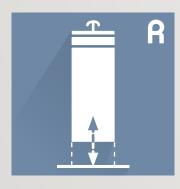
JEMIAUTOMATIC PILOMAT - PAG 60

The range of semiautomatic PILOMAT bollards includes a wide selection of items with different mechanical and dimensional characteristics. They have the same architectural aspects as the automatic PILOMAT and they allow the combined use of both versions.



FIXED PILOMAT - PAG 64

The range of fixed PILOMAT bollards includes a wide selection of items with different mechanical and dimensional characteristics. They have the same architectural aspects as the automatic PILOMAT and they allow the combined use of both versions.



REMOVABLE PILOMAT - PAG 76

Removable PILOMAT bollards are designed to use typically during the night in order to protect access or windows. Their use is recommended in cases of low frequency of travel, or when the depth of excavation is limited and is therefore not possible to install retractable PILOMAT.



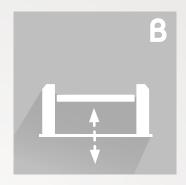
PILOMAT ROAD BLOCKER - PAG 80

The motorized platforms, in general called ROAD BLOCKERS, use electrohydraulic movement and are available in two different mechanical toughness and different lenghts, in order to meet all market requirements, from company driveways to the highest level of anti-terrorism protection.



PILOMAT TYRE HILLER - PAG 82

PILOMAT TYRE KILLER is composed by heavy duty spikes that rise from the ground; it operates like an access control barrier, it prevents the passage of unauthorized vehicles or it allows the exit from a supervised area. It can be installed with other access control elements in order to achieve an access control check-point at the highest level of security.



PILOMAT BARRIER - PAG 84

Motorized barrieres with vertical movement, called PILOMAT BARRIER, are available, depending on installation requirements, in different lengths (from 2.5 meters to 7 meters, with modules of 50 cm); they have a considerable mechanical strength to meet the highest anti-terrorism security.



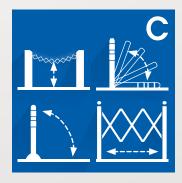
PILOMAT CITY GATE - PAG 86

PILOMAT CITY GATE is a moving motorized barrier with unilateral or bilateral sliding; it consists of a metal planter with rectangular base and adjustable ground supports. Characterized by a large perimeter edge, with the function of delimiting the containment tank of the planter's earth and to cover the sliding mechanism, it is equipped with a moving barrier to hurdle.



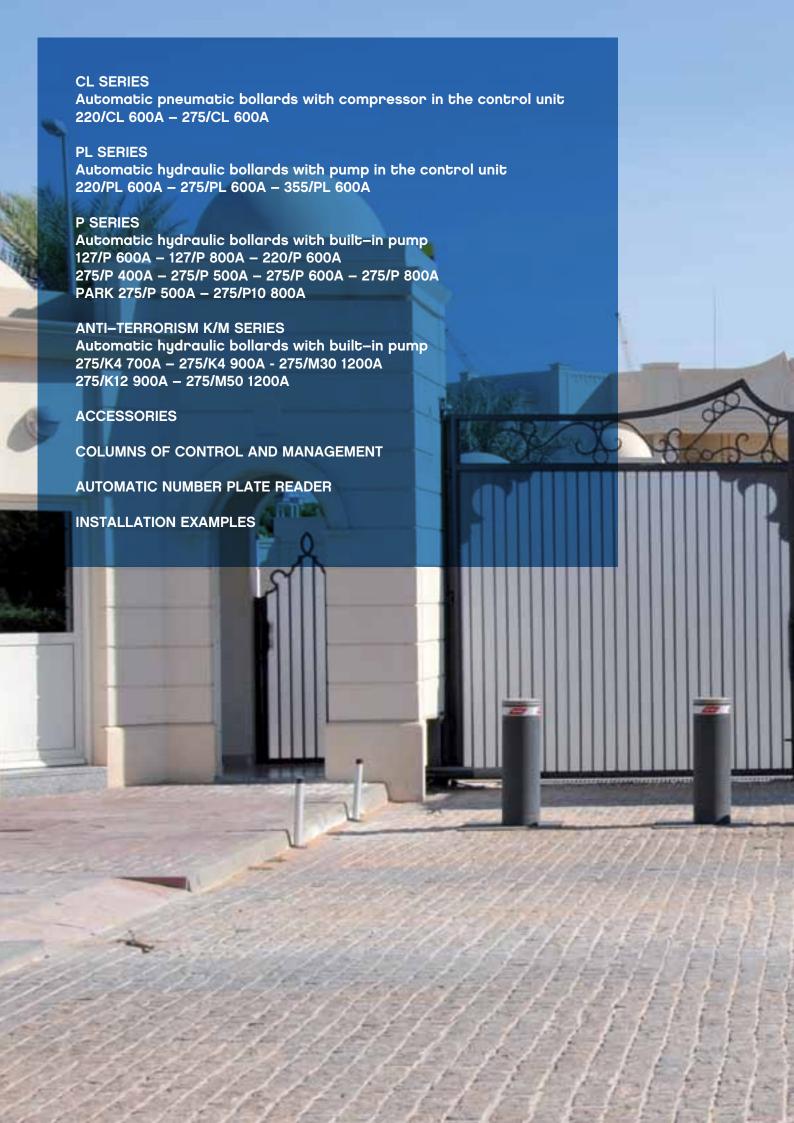
PILOMAT ENERGY - PAG 88

Semiautomatic PILOMAT ENERGY towers are designed to supply electric power, telephony, compressed air, and water in those areas, used for parking and sometimes used for market areas or venues that are used for events and concerts.



PILOMAT COMPLEMENTS - PAG 96

The department of research and development of PILOMAT, always careful to what the synergy of market offers, continuously select products that enrich and complete the PILOMAT program; typically the complements are cheaper products, which help to bring a more complete program.







275/CL 600A

The CL SERIES automatic pneumatic bollards are the products with the best quality/price ratio of the PILOMAT range. The current models are the result of the development of more than 20 years of experience.

GENERAL FEATURES

- the cost of the product: made with industrial criteria of 500 units per batch, optimising production costs while offering a high-quality technology;
- air compressor in the control unit: to promote a greater speed of service; 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 in the head, intermittent acoustic signal, solenoid valve No. 220 (in case of power Pailure, PILOMAT is lowered, releasing the gate), UPS unit for operation in the temporary occurrence of power failure, equipment control, equipment accident prevention (see accessories and optional items).

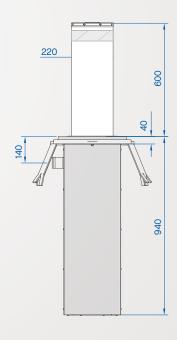
RECOMMENDED USES

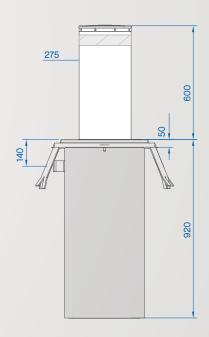
Pedestrian Areas

Private Car Parks - Parking Company

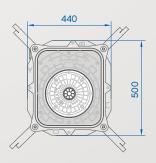
Private Driveways - Driveway Businesses - Commercial Driveways

	220/CL 600A	275/CL 600A	
MOVING CYLINDER	FE 370 STEEL – AISI 304 STAINLESS STEEL	FE 370 STEEL	
MOVING CYLINDER NOMINAL DIAMETER	220 mm	275 mm	
MOVING CYLINDER HEIGHT	600 mm		
MOVING CYLINDER FE 370 STEEL THICKNESS	4 mm	5 mm	
MOVING CYLINDER STAINLESS STEEL THICKNESS	AISI 304 :4 mm	-	
MOVING CYLINDER FE 370 STEEL FINISH	POLYESTER POWDER PAINT – STANDARD GREY ANTHRACITE		
MOVING CYLINDER STAINLESS STEEL FINISH	AS ABOVE, OR BRUSHED	-	
REFLECTING ADHESIVE STRIP	YES - HEIGHT	55 mm	
RISING SPEED	7 cm/se	ec ec	
LOWERING SPEED	20 cm/sec		
AUTOMATIC EMERGENCY LOWERING	YES		
SAFETY REVERSAL PRESSURE SWITCH	YES		
CONNECTION LINE TO CONTROL UNIT	STANDARD 10 m (MAXIMUM LENGTH: 20 m)		
PNEUMATIC COMPRESSOR HANDLING	IN THE CONTROL UNIT		
PNEUMATIC SOLENOID VALVE	BUILT-IN INTO THE PILOMAT		
PROTECTION CLASS	IP 67		
TYPE OF USE	INTERMITTENT (300 OPERATIONS/DAY +/ - 10%)		
IMPACT RESISTANCE (WITHOUT DEFORMATION)	30.000 J	40.000 J	
BREAKOUT RESISTANCE	150.000 J	200.000 J	
OPERATING TEMPERATURE	-10°C +	60°C	
NOMINAL PILOMAT WEIGHT (WITHOUT PIT)	68 kg	80 kg	
NOMINAL WEIGHT OF STANDARD PIT, WITH COUNTER-FRAME AND BRACKETS	35 kg	40 kg	

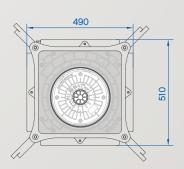




220/CL 600A



275/CL 600A



PILOMAT 220/CL 600A

150.000 JOULES
30.000 JOULES



PILOMAT 275/CL 600A

speed (km/h)

200.000 JOULES
40.000 JOULES

100 81 km/h 90 80 66 km/h 70 51 km/h 60 50 36 km/h 29 km/h 40 23 km/h 30 20 10 600 1800 2100 2400 3000 0 300 900 1200 1500 2700 mass (kg)

BREAKOUT RESISTANCE

The resistance to breakage at a given threshold applies to the impact of a vehicle causing the Pilomat permanent damage in its active and structural mechanisms. The Pilomat, although damaged, provides the vehicle stop within a metre from the point of collision.

IMPACT RESISTANCE

Resistance to impact at a given threshold indicates that the impact of a vehicle does not cause the PILOMAT blocking or damage to the structural and action mechanisms. The Pilomat's continued functionality and safety are guaranteed.





OPTIONAL ITEMS - PILOMAT CL SERIES





The PL SERIES automatic bollards are the products with the best quality/price ratio of the hydraulic PILOMAT range. The current models are the result of the development of more than 20 years of experience.

GENERAL FEATURES

- the cost of the product: made with industrial criteria of 500 units per batch, optimising production costs while offering a high-quality technology;
- hydraulic movement: The most reliable technology for most intense use at all temperatures and weather conditions;
- hydraulic pump in the control unit: For the promotion of quicker service;
- 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, 220V solenoid valve (in case of power Pailure, the PILOMAT is lowered, releasing the gate), 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).

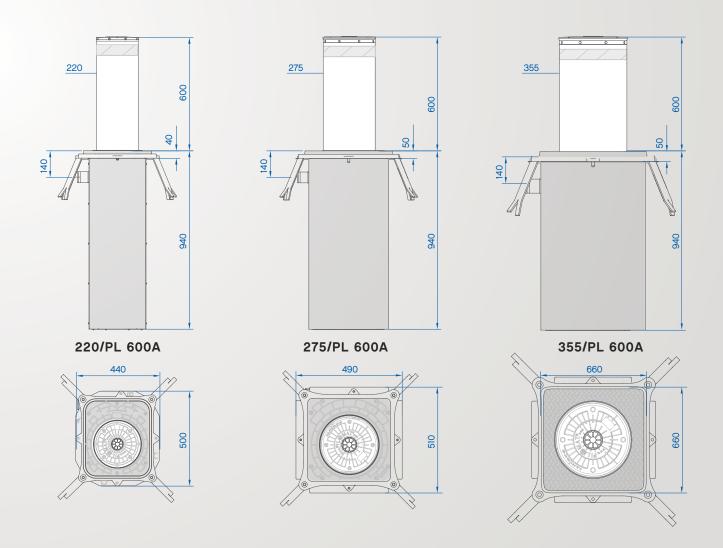
RECOMMENDED USES

Pedestrian Areas

Private Car Parks - Parking Company

Private Driveways - Driveway Businesses - Commercial Driveways

	220/PL 600A	275/PL 600A	355/PL 600A
MOVING CYLINDER	FE 370 STEEL AISI 304 STAINLESS STEEL FE 370 STEEL		STEEL
MOVING CYLINDER NOMINAL DIAMETER	220 mm	275 mm	355 mm
MOVING CYLINDER HEIGHT		600 mm	
MOVING CYLINDER FE 370 STEEL THICKNESS	4 mm	5 n	nm
MOVING CYLINDER STAINLESS STEEL THICKNESS	AISI 304 :4 mm	-	-
MOVING CYLINDER FE 370 STEEL FINISH	POLYESTER PO	OWDER PAINT - STANDARD GRE	Y ANTHRACITE
MOVING CYLINDER STAINLESS STEEL FINISH	AS ABOVE, OR BRUSHED	-	-
REFLECTING ADHESIVE STRIP	YES - HEIGHT 55 mm		
RISING SPEED	12 cm/sec		
LOWERING SPEED	25 cm/sec		
MANUAL EMERGENCY LOWERING	YES (VERSION WITH RELEASE NO 220 = AUTOMATIC LOWERING)		
SAFETY REVERSAL PRESSURE SWITCH	YES		
CONNECTION LINE TO CONTROL UNIT	STANDARD 10 m (MAXIMUM LENGTH: 20 m)		
HYDRAULIC PUMP	IN THE CONTROL UNIT IP 67		
PROTECTION CLASS			
TYPE OF USE	IINTENSIVE - LIFE AVERAGE 2.000.000 MOVEMENTS - 2.000 MOVEMENTS/DAY		.000 MOVEMENTS/DAY
IMPACT RESISTANCE (WITHOUT DEFORMATION)	30.000 J 40.000 J		00 J
BREAKOUT RESISTANCE	150.000 J 200.000 J		
OPERATING TEMPERATURE	- 40°C + 70°C (FOR LOW TEMPERATURES SEE HEATING RESISTANCE)		
NOMINAL PILOMAT WEIGHT (WITHOUT PIT)	66 kg	87 kg	110 kg
NOMINAL WEIGHT OF STANDARD PIT, WITH COUNTER-FRAME AND BRACKETS	35 kg	39 kg	60 kg



PILOMAT 220/PL 600A

150.000 JOULES 30.000 JOULES



PILOMAT 275/PL 600A

PILOMAT 355/PL 600A

200.000 JOULES
40.000 JOULES

100 81 km/h 90 80 66 km/h 70 51 km/h 60 50 36 km/h 29 km/h 40 23 km/h 30 20 10 600 1800 2400 3000 0 300 900 1200 1500 2100 2700 mass (kg)

BREAKOUT RESISTANCE

The resistance to breakage at a given threshold applies to the impact of a vehicle causing the Pilomat permanent damage in its active and structural mechanisms. The Pilomat, although damaged, provides the vehicle stop within a metre from the point of collision.

IMPACT RESISTANCE

Resistance to impact at a given threshold indicates that the impact of a vehicle does not cause the PILOMAT blocking or damage to the structural and action mechanisms. The Pilomat's continued functionality and safety are guaranteed.





OPTIONAL ITEMS - PILOMAT PL SERIES





The P SERIES automatic bollards are the top line products of PILOMAT range. The current models are the result of the development of more than 20 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, 220V solenoid valve (in case of power Failure, the PILOMAT is lowered, releasing the gate), 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).

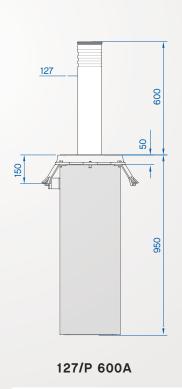
RECOMMENDED USES

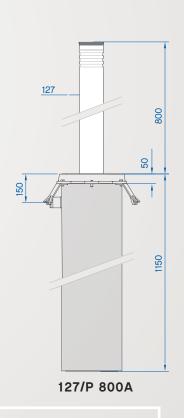
Pedestrian Areas

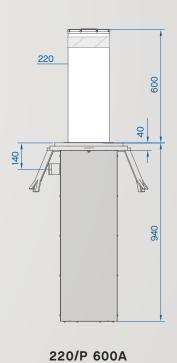
Private Car Parks - Parking Company

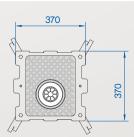
Private Driveways - Driveway Businesses - Commercial Driveways

	127/P 600A	127/P 800A	220/P 600A
MOVING CYLINDER	FE 370 STEEL – AISI 304 STAINLESS STEEL		
MOVING CYLINDER NOMINAL DIAMETER	127 mm 220 mm		220 mm
MOVING CYLINDER HEIGHT	600 mm	800 mm	600 mm
MOVING CYLINDER FE 370 STEEL THICKNESS	6	mm	4 mm
MOVING CYLINDER STAINLESS STEEL THICKNESS		AISI 304 :4 mm	
MOVING CYLINDER FE 370 STEEL FINISH	POLYESTER POWDER PAINT – STANDARD GREY ANTHRACITE		
MOVING CYLINDER STAINLESS STEEL FINISH		AS ABOVE, OR BRUSHED	
REFLECTING ADHESIVE STRIP	YES - HEIGHT 23 mm YES - HEIGHT 55		YES - HEIGHT 55 mm
RISING SPEED	15 cm/sec		
LOWERING SPEED	25 cm/sec		
MANUAL EMERGENCY LOWERING	YES (VERSION WITH RELEASE NO 220 = AUTOMATIC LOWERING)		
SAFETY REVERSAL PRESSURE SWITCH	YES		
CONNECTION LINE TO CONTROL UNIT	STANDARD 10 m (MAXIMUM LENGTH: 80 m)		
HYDRAULIC PUMP	BUILT-IN INTO THE PILOMAT		
PROTECTION CLASS	IP 67		
TYPE OF USE	IINTENSIVE - LIFE AVERAGE 2.000.000 MOVEMENTS - 2.000 MOVEMENTS/DAY		
IMPACT RESISTANCE (WITHOUT DEFORMATION)	30.000 J		
BREAKOUT RESISTANCE	150.000 J		
OPERATING TEMPERATURE	- 40°C + 70°C (FOR LOW TEMPERATURES SEE HEATING RESISTANCE)		
NOMINAL PILOMAT WEIGHT (WITHOUT PIT)	75 kg	71 kg	76 kg
NOMINAL WEIGHT OF STANDARD PIT, WITH COUNTER- FRAME AND BRACKETS	28 kg	33 kg	35 kg

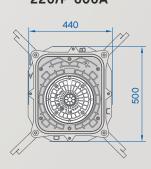








THE DIMENSIONS ARE EQUIVALENT IN THE MODELS: 127/P 600A, 127/P 800A



PILOMAT 127/P 600A

PILOMAT 127/P 800A

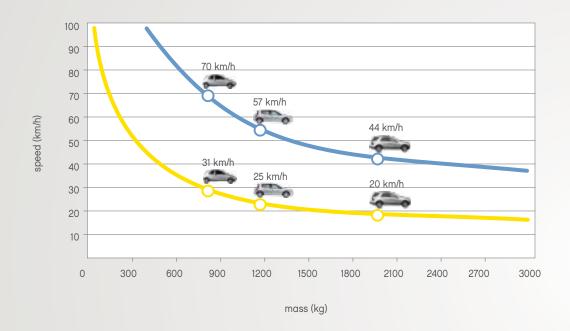
PILOMAT 220/P 600A



150.000 JOULES



30.000 JOULES





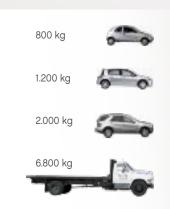
BREAKOUT RESISTANCE

The resistance to breakage at a given threshold applies to the impact of a vehicle causing the Pilomat permanent damage in its active and structural mechanisms. The Pilomat, although damaged, provides the vehicle stop within a metre from the point of collision.



IMPACT RESISTANCE

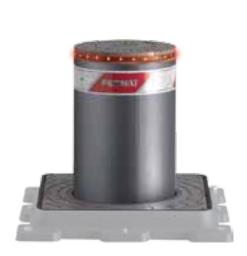
Resistance to impact at a given threshold indicates that the impact of a vehicle does not cause the PILOMAT blocking or damage to the structural and action mechanisms. The Pilomat's continued functionality and safety are guaranteed.



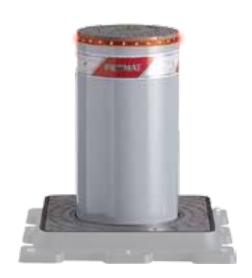


OPTIONAL ITEMS - PILOMAT 127/P - 220/P









275/P 500A



275/P 600A



275/P 800A

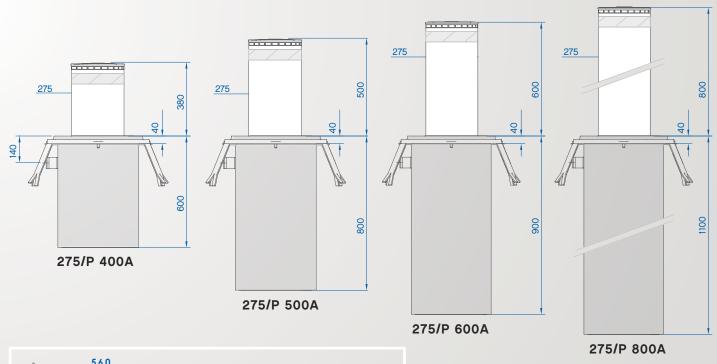
RECOMMENDED USES

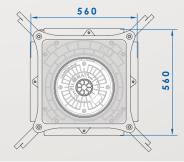
Pedestrian Areas

Private Car Parks - Parking Company

Private Driveways - Driveway Businesses - Commercial Driveways

	275/P 400A	275/P 500A	275/P 600A	275/P 800A
MOVING CYLINDER	AISI 304 STAINLESS STEEL FE 370 STEEL – AISI 304 STAINLESS STEEL		304 STAINLESS STEEL	
MOVING CYLINDER NOMINAL DIAMETER	275 mm			
MOVING CYLINDER HEIGHT	380 mm	500 mm	600 mm	800 mm
MOVING CYLINDER FE 370 STEEL THICKNESS	- 6 mm		mm	
MOVING CYLINDER STAINLESS STEEL THICKNESS	AISI 304 :6 MM - AISI 316:4 mm			
MOVING CYLINDER FE 370 STEEL FINISH	POLYESTER POWDER PAINT STANDARD GREY ANTHRACITE			
MOVING CYLINDER STAINLESS STEEL FINISH	POLYESTER POWDER PAINT - STANDARD GREY ANTHRACITE OR BRUSHED			
OTHER MOVING CYLINDER FINISH	- RIBS ON CYLINDER SURFACE			
REFLECTING ADHESIVE STRIP	YES - HEIGHT 55 mm			
RISING SPEED	15 cm/sec			
LOWERING SPEED	25 cm/sec			
MANUAL EMERGENCY LOWERING	YES (VERSION WITH RELEASE NO 220 = AUTOMATIC LOWERING)			
SAFETY REVERSAL PRESSURE SWITCH	YES			
CONNECTION LINE TO CONTROL UNIT	STANDARD 10 m (MAXIMUM LENGTH: 80 m)			
HYDRAULIC PUMP	BUILT-IN INTO THE PILOMAT			
PROTECTION CLASS	IP 67			
TYPE OF USE	IINTENSIVE - LIFE AVERAGE 2.000.000 MOVEMENTS - 2.000 MOVEMENTS/DAY			
IMPACT RESISTANCE (WITHOUT DEFORMATION)	40.000 J			
BREAKOUT RESISTANCE	250.000 J			
OPERATING TEMPERATURE	- 40°C + 70°C (FOR LOW TEMPERATURES SEE HEATING RESISTANCE)			
NOMINAL PILOMAT WEIGHT (WITHOUT PIT)	95 kg	105 kg	114 kg	124 kg
NOMINAL WEIGHT OF STANDARD PIT, WITH COUNTER- FRAME AND BRACKETS	58 kg	60 kg	62 kg	66 kg





THE DIMENSIONS ARE EQUIVALENT IN THE MODELS: 275/P 500A, 275/P 500A, 275/P 600A, 275/P 800A

PILOMAT 275/P 400A

PILOMAT 275/P 500A

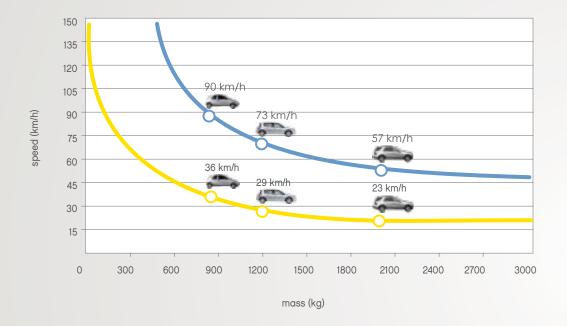
PILOMAT 275/P 600A

PILOMAT 275/P 800A



250.000 JOULES

40.000 JOULES





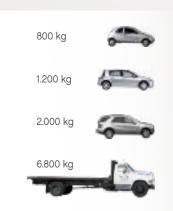
BREAKOUT RESISTANCE

The resistance to breakage at a given threshold applies to the impact of a vehicle causing the Pilomat permanent damage in its active and structural mechanisms. The Pilomat, although damaged, provides the vehicle stop within a metre from the point of collision.



IMPACT RESISTANCE

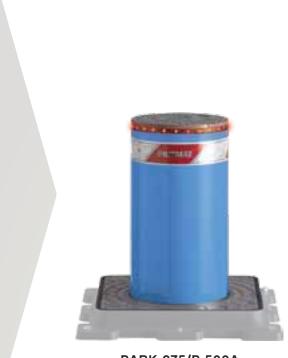
Resistance to impact at a given threshold indicates that the impact of a vehicle does not cause the PILOMAT blocking or damage to the structural and action mechanisms. The Pilomat's continued functionality and safety are guaranteed.





OPTIONAL ITEMS - PILOMAT 275/P









275/P10 800A

PARK 275/P 500A

Breakout resistance: 250,000 J

PILOMAT PARK 275/P 500A is a variant of PILOMAT P SERIES, which has the same general Features (pag 24), but the hydraulic system allows Faster handling time (lowering 1" - rising 3"), is typically used in public parking access or private, in combination with traditional barriers in order to improve the level of passive safety, preventing theft of vehicles that are parked but not limiting the timing of transit.

275/P10 800A

Breakout resistance: 400.000 J

PILOMAT 275/P10 800A is a variant of PILOMAT P SERIES, which has the same general Features (pag 24), but the cylinder is thicker in order to increase the resistance of breakage. It is typically used in business and industry, combined with the classical gates in order to improve the level of passive safety, preventing theft of vehicles and its cargo inside the area.

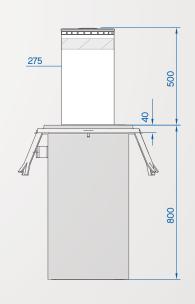
RECOMMENDED USES

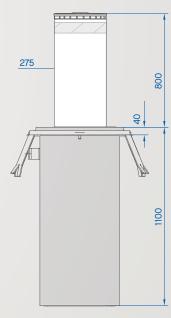
Pedestrian Areas

Private Car Parks - Parking Company

Private Driveways - Driveway Businesses - Commercial Driveways

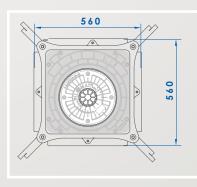
	PARK 275/P 500A	275/P10 800A	
MOVING CYLINDER	AISI 304 STAINLESS STEEL	FE 370 STEEL - AISI 304 STAINLESS STEEL	
MOVING CYLINDER NOMINAL DIAMETER	275 r	nm	
MOVING CYLINDER HEIGHT	500 mm	800 mm	
MOVING CYLINDER FE 370 STEEL THICKNESS	-	10 mm	
MOVING CYLINDER STAINLESS STEEL THICKNESS	6 mm	-	
MOVING CYLINDER FE 370 STEEL FINISH	-	POLYESTER POWDER PAINT STANDARD GREY ANTHRACITE	
MOVING CYLINDER STAINLESS STEEL FINISH	POLYESTER POWDER PAINT - STANDARD GREY ANTHRACITE OR BRUSHED	-	
OTHER MOVING CYLINDER FINISH	RIBS ON CYLINDER SURFACE		
REFLECTING ADHESIVE STRIP	YES - HEIGHT 55 mm		
RISING SPEED	20 cm/sec	15 cm/sec	
LOWERING SPEED	50 cm/sec	25 cm/sec	
MANUAL EMERGENCY LOWERING	YES (VERSION WITH RELEASE NO) 220 = AUTOMATIC LOWERING)	
SAFETY REVERSAL PRESSURE SWITCH	YES	YES (EXCLUDABLE)	
CONNECTION LINE TO CONTROL UNIT	STANDARD 10 m (MAXI	MUM LENGTH: 80 m)	
HYDRAULIC PUMP	BUILT-IN INTO THE PILOMAT		
PROTECTION CLASS	IP 67		
TYPE OF USE	IINTENSIVE - LIFE AVERAGE 2.000.000 MOVEMENTS - 2.000 MOVEMENTS/DAY		
IMPACT RESISTANCE (WITHOUT DEFORMATION)	40.000 J		
BREAKOUT RESISTANCE	250.000 J	400.000 J	
OPERATING TEMPERATURE	- 40°C + 70°C (FOR LOW TEMPERATURES SEE HEATING RESISTANCE)		
NOMINAL PILOMAT WEIGHT (WITHOUT PIT)	109 kg	150 kg	
NOMINAL WEIGHT OF STANDARD PIT, WITH COUNTER- FRAME AND BRACKETS	41 kg	47 kg	





PARK 275/P 500A

275/P10 800A



THE DIMENSIONS ARE EQUIVALENT IN THE MODELS: PARK 275/P 500A, 275/P10 800A

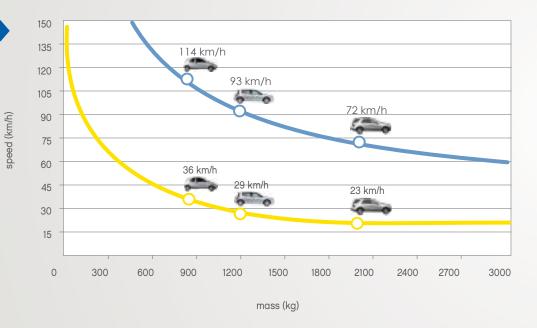
PILOMAT PARK 275/P 500A

250.000 JOULES
40.000 JOULES



PILOMAT 275/P10 800A

400.000 JOULES 40.000 JOULES



BREAKOUT RESISTANCE

The resistance to breakage at a given threshold applies to the impact of a vehicle causing the Pilomat permanent damage in its active and structural mechanisms. The Pilomat, although damaged, provides the vehicle stop within a metre from the point of collision.

IMPACT RESISTANCE

Resistance to impact at a given threshold indicates that the impact of a vehicle does not cause the PILOMAT blocking or damage to the structural and action mechanisms. The Pilomat's continued functionality and safety are guaranteed.





OPTIONAL ITEMS - PILOMAT PARK 275/P - 275/P10



E.F.O. CIRCUIT FOR EMERGENCY LIFT, 1"

HYDRAULIC PUMP WITH BIODEGRADABLE OIL

BUZZER ACOUSTIC SIGNAL DURING THE MOVEMENT

CONNECTION LINE, UP TO 80 m

ANTI-TAMPERING SCREW KIT FOR CROWN



The PILOMAT K4/M30 SERIES automatic bollards have been designed to ensure the anti-terrorism defence. The current models are the result of the development of more than 20 years of experience.

All our anti-terrorism bollards are built to ASTM/PAS 68 specifications

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 integrated flashing light
- acoustic signal heat resistance UPS group control equipment (see optional items and accessories).

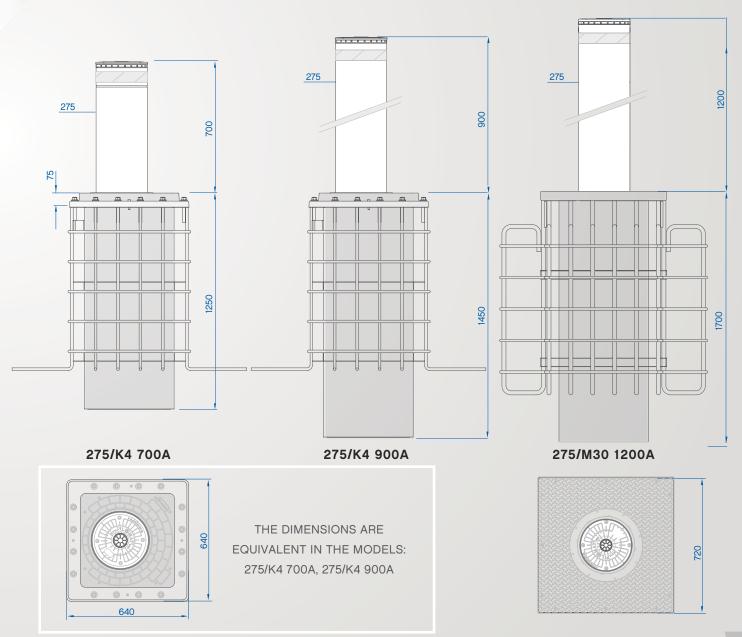
RECOMMENDED USES

Company Driveways - Industrial Driveways - Research Centres

Embassies - Police Headquarters - Military Bases - Ministerial Buildings

Sensitive Sites

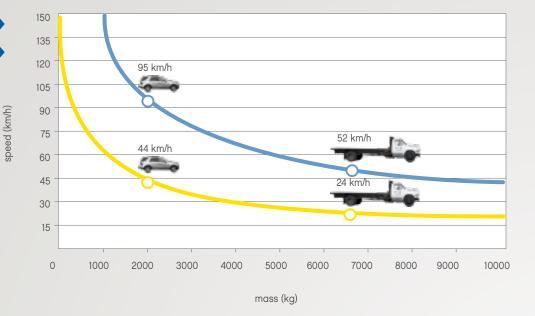
	275/K4 700A	275/K4 900A	275/M30 1200A	
MOVING CYLINDER	FE 510 STEEL			
MOVING CYLINDER NOMINAL DIAMETER	275 mm			
MOVING CYLINDER HEIGHT	700 mm	1200 mm		
MOVING CYLINDER FE 510 STEEL THICKNESS	10 r	15 mm		
MOVING CYLINDER FE 510 STEEL FINISH	POLYESTER PO	OWDER PAINT - STANDARD GRE	Y ANTHRACITE	
OTHER MOVING CYLINDER FINISH	RIBS ON CYLINDER SURFAC	CE - 316 AISI STAINLESS STEEL B	RUSHED COVERING 1,5 mm	
REFLECTING ADHESIVE STRIP		YES - HEIGHT 55 mm		
RISING SPEED	10 cm	n/sec	20 cm/sec	
LOWERING SPEED	22 cm/sec			
MANUAL EMERGENCY LOWERING	YES (VERSION WITH RELEASE NO 220 = AUTOMATIC LOWERING)			
CONNECTION LINE TO CONTROL UNIT	STANDARD 10 m (MAXIMUM LENGTH: 80 m)			
HYDRAULIC PUMP	BUILT-IN INTO THE PILOMAT			
PROTECTION CLASS	IP 67			
TYPE OF USE	IINTENSIVE - LIFE AVERAGE 2.000.000 MOVEMENTS - 2.000 MOVEMENTS/DAY			
IMPACT RESISTANCE (WITHOUT DEFORMATION)	150.000 J		700.000 J	
BREAKOUT RESISTANCE	700.0	1.200.000 J		
OPERATING TEMPERATURE	- 40°C + 70°C (FOR LOW TEMPERATURES SEE HEATING RESISTANCE)			
NOMINAL PILOMAT WEIGHT (WITHOUT PIT)	187 kg 210 kg		385 kg	
NOMINAL WEIGHT OF STANDARD PIT, WITH COUNTER-FRAME AND BRACKETS	150 kg	174 kg	275 kg	



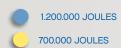
PILOMAT 275/K4 700A

PILOMAT 275/K4 900A

700.000 JOULES
150.000 JOULES



PILOMAT 275/M30 1200A



speed (km/h)

125 km/h 95 km/h 52 km/h mass (kg)

BREAKOUT RESISTANCE

The resistance to breakage at a given threshold applies to the impact of a vehicle causing the Pilomat permanent damage in its active and structural mechanisms. The Pilomat, although damaged, provides the vehicle stop within a metre from the point of collision.

IMPACT RESISTANCE

Resistance to impact at a given threshold indicates that the impact of a vehicle does not cause the PILOMAT blocking or damage to the structural and action mechanisms. The Pilomat's continued functionality and safety are guaranteed.





OPTIONAL ITEMS - PILOMAT K4/M30 SERIES





BREAHOUT RESISTANCE: 2.000.000 J

The PILOMAT K12/M50 SERIES automatic bollards have been designed to ensure the anti-terrorism defence at the highest levels. The current models are the result of the development of more than 20 years of experience.

All our anti-terrorism bollards are built to ASTM/PAS 68 specifications

GENERAL FEATURES

The main Features are the same as the K4/M30 series (pag. 36) but the mechanical breakage resistance Features are elevated to obtain an appropriate product for the demands of security of driveways at the highest levels.

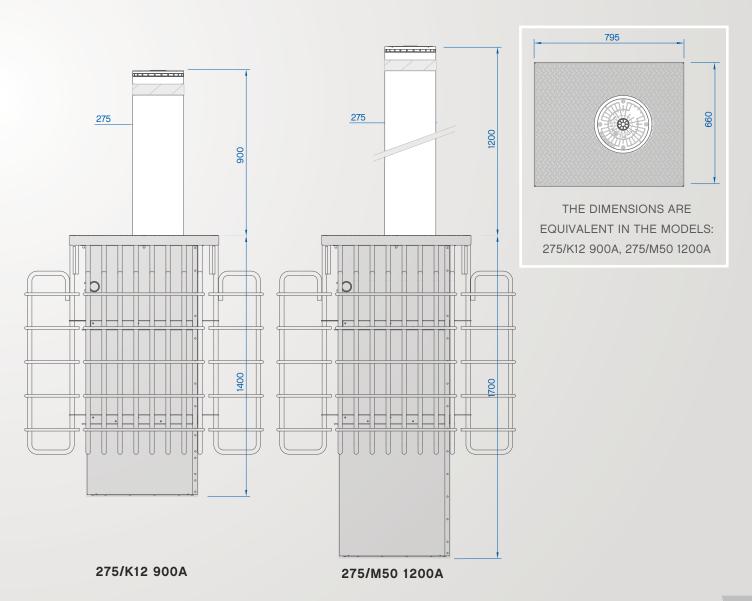
RECOMMENDED USES

Company Driveways - Industrial Driveways - Research Centres

Embassies - Police Headquarters - Military Bases - Ministerial Buildings

Sensitive Sites

	275/K12 900A	275/M50 1200A	
MOVING CYLINDER	FE 510 STEEL		
MOVING CYLINDER NOMINAL DIAMETER	275 mm		
MOVING CYLINDER HEIGHT	900 mm 1200 mm		
MOVING CYLINDER FE 510 STEEL THICKNESS	25 m	m	
MOVING CYLINDER FE 510 STEEL FINISH	POLYESTER POWDER PAINT – ST	TANDARD GREY ANTHRACITE	
OTHER MOVING CYLINDER FINISH	RIBS ON CYLINDER SURFACE - 316 AISI STAINLESS STEEL BRUSHED COVERING 1,5 mm		
REFLECTING ADHESIVE STRIP	YES - HEIGHT 55 mm		
RISING SPEED	22 cm/sec		
LOWERING SPEED	22 cm/sec		
MANUAL EMERGENCY LOWERING	YES (VERSION WITH RELEASE NO 220 = AUTOMATIC LOWERING)		
CONNECTION LINE TO CONTROL UNIT	STANDARD 10 m (MAXIMUM LENGTH: 80 m)		
HYDRAULIC PUMP	BUILT-IN INTO THE PILOMAT		
PROTECTION CLASS	IP 67		
TYPE OF USE	IINTENSIVE - LIFE AVERAGE 2.000.000 MOVEMENTS - 2.000 MOVEMENTS/DAY		
IMPACT RESISTANCE (WITHOUT DEFORMATION)	700.000 J		
BREAKOUT RESISTANCE	2.000.000 J		
OPERATING TEMPERATURE	- 40°C + 70°C (FOR LOW TEMPERATURES SEE HEATING RESISTANCE)		
NOMINAL PILOMAT WEIGHT (WITHOUT PIT)	545 kg	605 kg	
NOMINAL WEIGHT OF STANDARD PIT	295 kg	425 kg	



PILOMAT 275/K12 900A

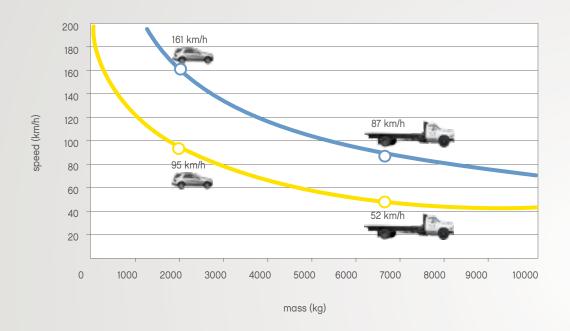
PILOMAT 275/M50 1200A



2.000.000 JOULES



700.000 JOULES





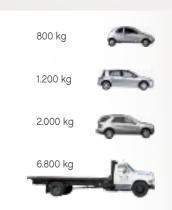
BREAKOUT RESISTANCE

The resistance to breakage at a given threshold applies to the impact of a vehicle causing the Pilomat permanent damage in its active and structural mechanisms. The Pilomat, although damaged, provides the vehicle stop within a metre from the point of collision.



IMPACT RESISTANCE

Resistance to impact at a given threshold indicates that the impact of a vehicle does not cause the PILOMAT blocking or damage to the structural and action mechanisms. The Pilomat's continued functionality and safety are guaranteed.





OPTIONAL ITEMS - PILOMAT K12/M50 SERIES





Inductive detector For safety one-channel inductive loops

BB100141
Inductive detector For safety two-channel inductive loops

BB100151
Inductive detector For command one-channel inductive loops

BB101771
Inductive detector For command two-channel inductive loops

BB100911



Inductive loop - dimension 4,60 m - connection line to control unit: 15 m AA100161 Inductive loop - dimension 4,60 m - connection line to control unit: 30 m AA100171 Inductive loop - dimension 7,60 m - connection line to control unit: 15 m AA101431 Inductive loop - dimension 7,60 m - connection line to control unit: 30 m AA101441 Inductive loop - dimension 9,60 m - connection line to control unit: 15 m AA100181 Inductive loop - dimension 9,60 m - connection line to control unit: 30 m AA100191 Inductive loop - dimension 12,60 m - connection line to control unit: 15 m AA100201 Inductive loop - dimension 12,60 m - connection line to control unit: 30 m AA100211



Automatic PILOMAT control safety switch, BB100331 complete with No. 3 keys

Automatic PILOMAT control standard switch, BB100321 complete with No. 2 keys



Radio receiver - standard version

Radio receiver - professional version

BB100351

With anti-cloning circuit



Two-channel radio transmitter - standard

BB100361

Two-channel radio transmitter - with anti-cloning circuit

BB100381



PILOMAT remote control gsm activator BB100391



Weekly timer programming BB100501 Yearly timer programming BB100511



Acoustic analyser with breakglass button used for automatic lowering of PILOMAT passage in the presence of emergency vehicles with sirens (sirens recognised in Italy)

AA100131



Inductive master card reader - with container for outside BB100401 Inductive slave card reader - with container for outside BB100411



Microprocessor circuit for PILOMAT transit lane management with the use of cards - radio transmitters - telephone calls. The circuit is predisposed to connections to remote management software

BB100451



Circuit ETH-MOD for circuit networking management gates control code BB100451

BB100461



Software license for remote management control, 5 gates BB100471 Software license for remote management control, 10 gates BB100481 Software license for remote management control, 255 gates BB100491



Metallic column, fixed to the pavement for control unit of automatic PILOMAT. Maximum of 4 units

BB100071

Fibreglass column, fixed to the pavement for control unit of automatic PILOMAT. Maximum of 9 units

BB100081

Retractable structure for control unit of automatic PILOMAT. Maximum of 3 units

AA100121

Stainless steel brushed column, 275mm, For automatic PILOMAT control unit with upper sector for intercom controls - traffic lights - maximum of 4 units

AA100111

Stainless steel Painted column, 275mm, for automatic PILOMAT control unit with upper sector for intercom controls - traffic lights. Maximum of 4 units

AA100101

Stainless steel brushed column, 170mm, for automatic PILOMAT control unit with upper sector for intercom controls - traffic lights - camera. Maximum of 2 units

AA103131



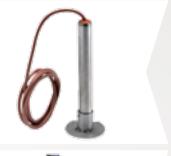
Stainless steel brushed column, 170mm, one-side For traffic light beacon, LED, 100 mm diameter Stainless steel brushed column, 170mm, two-sides for traffic light beacon, LED, 100 mm diameter

AA103021

AA103031



Heating resistance for control unit BB900051



Heating resistance for automatic PILOMAT PL series, AA100991 complete with transformer and thermostat Heating resistance for automatic PILOMAT P/K4 series, AA100041 complete with transformer and thermostat AA100901 Heating resistance for automatic PILOMAT K12/M30/M50

series, complete with transformer and thermostat



Traffic light with LED, 100 mm diameter BB100241



Signpost, "RETRACTABLE BOLLARD" in Italian language AA100261 Signpost, "RETRACTABLE BOLLARDS" in Italian language AA100271



Metal trap for counter frame closing, 127 Series AA900031 Metal trap for counter frame closing, 220 Series AA900531 Metal trap for counter frame closing, 275 Series AA900551 Metal trap for counter frame closing, 275 K4 AA900711 Metal trap for counter frame closing, 275 M30 AA101351 Metal trap for counter frame closing, 275 K12/M50 AA900851 Metal trap for counter frame closing, 355 Series AA901091



Anonymous head for custom 220 Series PILOMAT AA100061 - AA100071 AA100571 - AA100581 Anonymous head for custom 275 Series PILOMAT Anonymous head for custom 275K/M Series PILOMAT AA100721 - AA100731 AA101191 - AA101201 Anonymous head for custom 355 Series PILOMAT

COLUMNS OF CONTROL AND MANAGEMENT - FIXED VERSION



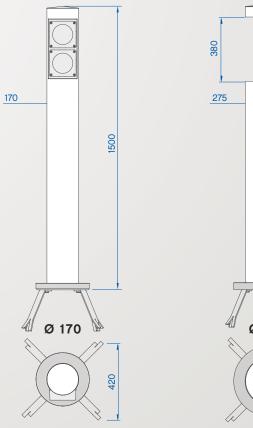
The columns of control and management fixed version, made in AISI 304 stainless steel painted or brushed, are available with 170mm and 275mm diameter, the standard height is 1.500 mm but may be carried out based on the standard customer requirements.

The columns can be configured for the installation of: intercom system, one-side traffic light beacon, two-sides traffic light beacon, control devices such as key selector, keypad, badge reader, and so on. The 275mm diameter column is designed to hold the control unit for a system configured with up to a

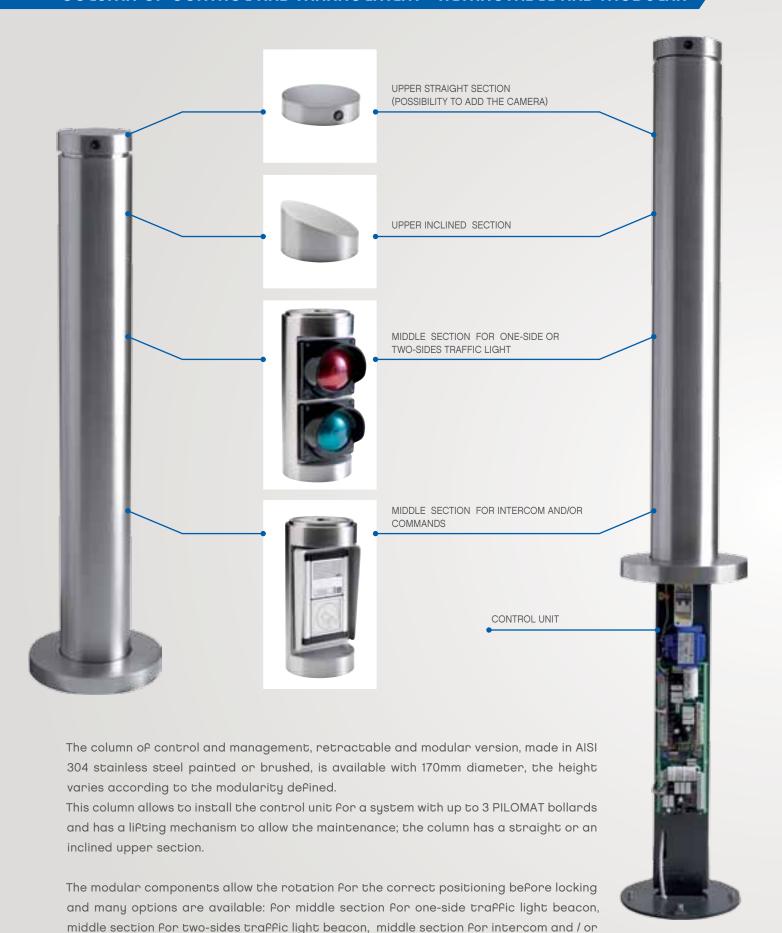
maximum of 4 PILOMAT bollards and has opening sector with key lock to allow the maintenance.



	FIXED COLUMN Ø 170	FIXED COLUMN Ø 275			
CYLINDER DIAMETER	170 mm	275 mm			
CYLINDER HEIGHT	150	1500 mm			
CYLINDER STAINLESS STEEL PAINTED FINISH		YES			
CYLINDER STAINLESS STEEL BRUSHED FINISH		YES			
FOUNDATION BRACKET		YES			
COMPARTMENT FOR CONTROL UNIT	NO	YES, OPENING WITH KEY			

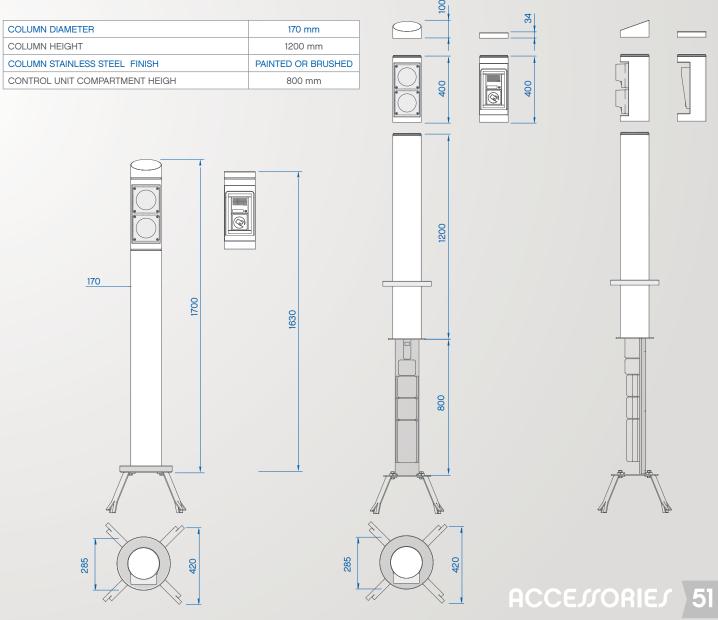


COLUMN OF CONTROL AND MANAGEMENT - RETRACTABLE AND MODULAR



control devices such as key selector - keypad - badge reader, and so on.





VEGA ACCESS - AUTOMATIC LICENSE PLATE READER



The automatic reader of license plate called VEGA ACCESS, is a complete "stand-alone" solution of automatic reading of license plates, in integrated monoblock version as a single outer container contains the following components: sensor CCD B / W 1000x800 with sensitivity in the field of IR, LEDs IR illuminator with integrated strobe control and unit of elaboration.

Vega Access can be interfaced to Gate Master software which allow the standard management of six gates (expandable up to 16).

GENERAL FEATURES

- all in onesystem: camera, analyser, IR illuminator;
- embedded solution: OCR Software on board;
- worldwide countries available;
- black/White list managemen;
- range of action: 3.5 mts width 6mts distance;
- storage: SD Memory up to 32 GB;
- ethernet interface for supervised architecture;
- configuration and set-up by web server on;

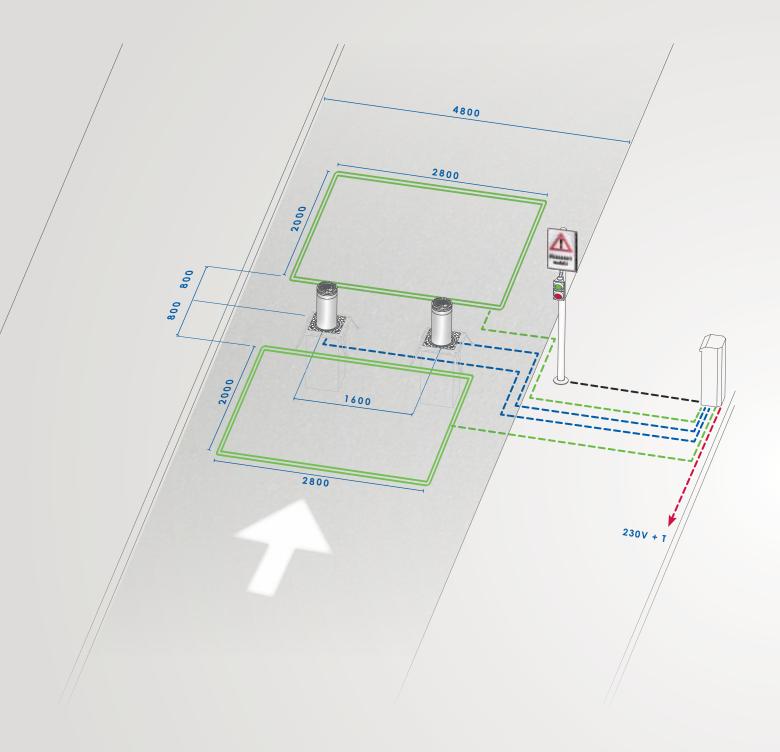
- user Friendly Interface;
- scalable & Plexible system;
- microsoft technologies;
- NET platform based;
- personalized users/veichles info;
- individual access authorizations;
- data report and statistics;
- unlimited gates number;



POWER CONSUPTION	24 VDC + / - 10%, 6W
PROTECTION LEVEL	WEATHERPROOF STANDARD IP66 ACCORDING TO EN 60529
WEIGHT	3 kg
DIMENSION	123 x 109 x 400 mm (W x H x L)
OPERATING TEMPERATURE	-20° A 55° C / -40° A 55° C
COMMUNICATION - ETHERNET 10/100 MBPS	TCP - UDP - FTP - HTTP - DHCP
RANGE OF ACTION - WIDTH	UP TO 3.5 mts
RANGE OF ACTION - DISTANCE	UP TO 6 mts
STORAGE	SD CARD UP TO 32 GB
CONFIGURATION	EASY LAN CONNECTION AND CONFIGURATION VIA INTEGRATED WEB SERVER, LOGIN AND PASSWORD PROTECTED
INTERFACE	GRAPHICAL TOOLBAR MENU INTERFACE - WEB BROWSER INTERFACE
RESULTS	NUMBER PLATES CHARACTER STRING AND/OR IMAGE (JPG)
TYPES	IR - REFLECTIVE NUMBER PLATES MODELS
COUNTRY	ALL EUROPEAN COUNTRIES - WORLDWIDE COUNTRIES AVAILABLE



EXAMPLE OF INSTALLATION: RUNNING ONE-WAY STREET

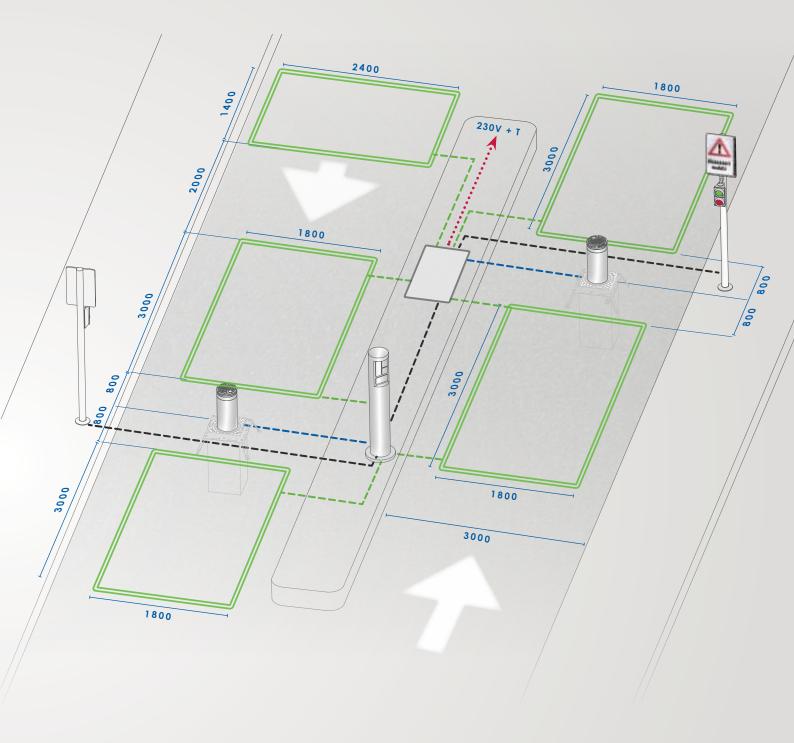


CONFIGURATION OF THE JYJTEM DIJPLAYED

The example of installation displayed is only one of the possible configurations. It is recommended that assessments be made regarding the full range of available options and accessories for the configuration of the system, as executed suggestions.

- no. 2 automatic PILOMAT with integrated flashing light and foundation pit
- no. 1 metallic column on pavement for control unit, with radio receiver
- no. 1 traffic light
- no. 1 signpost (italian only)
- no. 1 inductive detector For safety one-channel inductive loop with inductive loop - dimension 9,60 m - connection line to control unit: 15 m

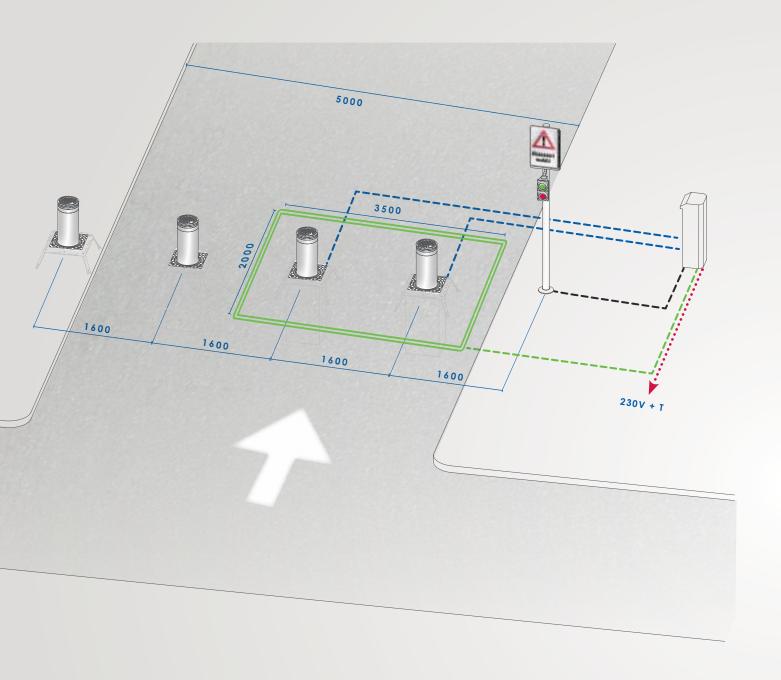
EXAMPLE OF INSTALLATION: RUNNING TWO-WAY STREET



CONFIGURATION OF THE SYSTEM DISPLAYED

The example of installation displayed is only one of the possible configurations. It is recommended that assessments be made regarding the Full range of available options and accessories for the configuration of the system, as executed suggestions.

- no. 2 automatic PILOMAT with integrated flashing light and foundation pit
- no. 1 stainless steel column on pavement for no. 2 control unit
- no. 1 inductive card reader integrated in the Front of the column
- no. 2 traffic lights
- no. 2 signposts (italian only)
- no.1 inductive detector for safety one-channel inductive loop with nductive loop dimension 9,60 m connection line to control unit: 15 m
- no. 1 inductive detector for command one-channel inductive loop



CONFIGURATION OF THE JYJTEM DIJPLAYED

The example of installation displayed is only one of the possible configurations. It is recommended that assessments be made regarding the full range of available options and accessories for the configuration of the system, as executed suggestions.

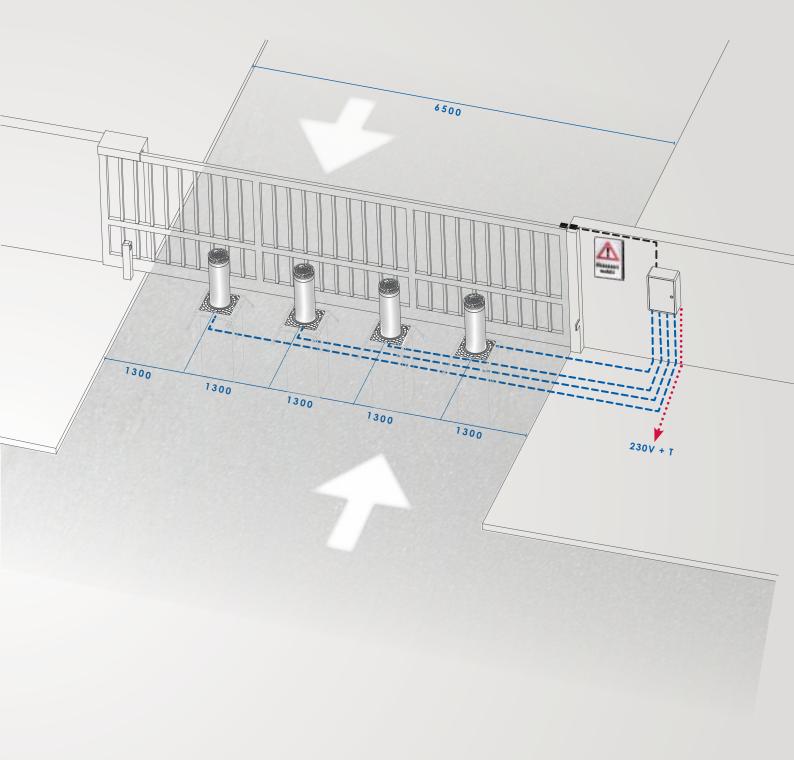
In the installation example, it is suggested that the automatic PILOMAT be used, and the semi-automatic PILOMAT, for lowering, only in

- no. 2 automatic PILOMAT with integrated flashing light and foundation pit

exceptional cases, or laterally, the side that has also assumed the position of one of more fixed PILOMAT.

- no. 1 metallic column for control unite, with radio receiver
- no. 1 traffic light
- no. 1 sigpost (only italian)
- no. 1 inductive detector for safety one-channel inductive loop with nductive loop dimension 9,60 m connection line to control unit: 15 m
- no. 1 semi-automatic PILOMAT with Foundation pit
- no. 1 Fixed PL series PILOMAT

INSTALLATION EXAMPLE: SECURITY ENTRANCE VEHICULAR ZONES



CONFIGURATION OF THE JYJTEM DIJPLAYED

 $The \ example \ of \ installation \ displayed \ is \ only \ one \ of \ the \ possible \ configurations. \ It \ is \ recommended \ that \ assessments \ be \ made \ regarding \ the \ possible \ configurations. \ It \ is \ recommended \ that \ assessments \ be \ made \ regarding \ the \ possible \ configurations.$ Full range of available options and accessories for the configuration of the system, as executed suggestions.

- no. 4 automatic PILOMAT with Foundation pit
- no. 1 control unit
- no. 1 sigpost (only italian)no. 1 closed gate detection sensor



























127/PL 500SA

127/PL 600SA

220/PL 600SA

275/PL 500SA

	127/PL 500SA	127/PL 600SA	220/PL 600SA	275/PL 500SA
MOVING CYLINDER	FE 370 STEEL – AISI 304 / 316 STAINLESS STEEL			
MOVING CYLINDER NOMINAL DIAMETER	127	127 mm		275 mm
MOVING CYLINDER HEIGHT	500 mm	600 mm	600 mm	500 mm
MOVING CYLINDER FE 370 STEEL THICKNESS	6 mm		4 mm	6 mm
MOVING CYLINDER STAINLESS STEEL THICKNESS	6 mm		4 mm	6 mm
MOVING CYLINDER FE 370 STEEL FINISH	POLYESTER POWDER PAINT - STANDARD GREY ANTHRACITE			
MOVING CYLINDER STAINLESS STEEL FINISH	POLYESTER POWDER PAINT - STANDARD GREY ANTHRACITE OR BRUSHED			
REFLECTING ADHESIVE STRIP	YES - HEIGHT 23 mm YES - HEIG		GHT 55 mm	
IMPACT RESISTANCE (WITHOUT DEFORMATION)	30.000 J		40.000 J	
BREAKOUT RESISTANCE	150.000 J		250.000 J	









275/PL 600SA

275/PL 800SA

355/PL 600SA

	275/PL 600SA	275/PL 800SA	355/PL 600SA	
MOVING CYLINDER	FE 370 STEEL – AISI 304 / 316 STAINLESS STEEL	AISI 304 / 316 STAINLESS STEEL	FE 370 STEEL	
MOVING CYLINDER NOMINAL DIAMETER	275 mm		355 mm	
MOVING CYLINDER HEIGHT	600 mm 800 mm		600 mm	
MOVING CYLINDER FE 370 STEEL THICKNESS	6 mm -		6 mm	
MOVING CYLINDER STAINLESS STEEL THICKNESS	6 mm		-	
MOVING CYLINDER FE 370 STEEL FINISH	POLYESTER POWDER PAINT - STANDARD GREY ANTHRACITE	_		
MOVING CYLINDER STAINLESS STEEL FINISH	POLYESTER PO STANDARD GREY ANTI	-		
REFLECTING ADHESIVE STRIP	YES - HEIGHT 55 mm			
IMPACT RESISTANCE (WITHOUT DEFORMATION)	40.000 J			
BREAKOUT RESISTANCE	250.000 J 200.000 J			













127/PL 500-600-800F

220/PL 600F

275/PL 500-600-800F

	127/PL 500-600-800F	220/PL 600F	275/PL 500-600-800F	
FIXED CYLINDER	FE 370 STEEL - AISI 304 / 316 STAINLESS STEEL			
FIXED CYLINDER NOMINAL DIAMETER	127 mm 220 mm		275 mm	
FIXED CYLINDER HEIGHT	500 - 600 - 800 mm	500 - 600 - 800 mm 600 mm		
FIXED CYLINDER FE 370 STEEL THICKNESS	6 mm	4 mm	6 mm	
FIXED CYLINDER STAINLESS STEEL THICKNESS	6 mm	4 mm	6 mm	
FIXED CYLINDER FE 370 STEEL FINISH	POLYESTER POWDER PAINT - STANDARD GREY ANTHRACITE			
FIXED CYLINDER STAINLESS STEEL FINISH	POLYESTER POWDER PAINT - STANDARD GREY ANTHRACITE OR BRUSHED			
REFLECTING ADHESIVE STRIP	YES - HEIGHT 23 mm	YES - HEIGHT 23 mm YES - HEIGHT 55 mm		
IMPACT RESISTANCE (WITHOUT DEFORMATION)	30.000 J		40.000 J	
BREAKOUT RESISTANCE	150.000 J		250.000 J	





220/PF 600F 127/PF 500-600-800F 275/PF 500-600-800F 355/PF 600F

	127/PF 500-600-800F	220/PF 600F	275/PF 500-600-800F	355/PF 600F
FIXED CYLINDER	FE 370 STEEL - AISI 304 / 316 STAINLESS STEEL			FE 370 STEEL
FIXED CYLINDER NOMINAL DIAMETER	127 mm	220 mm	275 mm	355 mm
FIXED CYLINDER HEIGHT	500 - 600 - 800 mm	600 mm	500 - 600 - 800 mm	600 mm
FIXED CYLINDER FE 370 STEEL THICKNESS	6 mm	4 mm	4 mm 6 mm	
FIXED CYLINDER STAINLESS STEEL THICKNESS	6 mm	4 mm	6 mm	-
FIXED CYLINDER FE 370 STEEL FINISH	POLYESTER POWDER PAINT - STANDARD GREY ANTHRACITE			
FIXED CYLINDER STAINLESS STEEL FINISH	POLYESTER POWDER PAINT - STANDARD GREY ANTHRACITE OR BRUSHED			-
REFLECTING ADHESIVE STRIP	YES - HEIGHT 23 mm	23 mm YES - HEIGHT 55 mm		
IMPACT RESISTANCE (WITHOUT DEFORMATION)	30.000 J 40.0		00 J	
BREAKOUT RESISTANCE	150.000 J		250.000 J	200.000 J





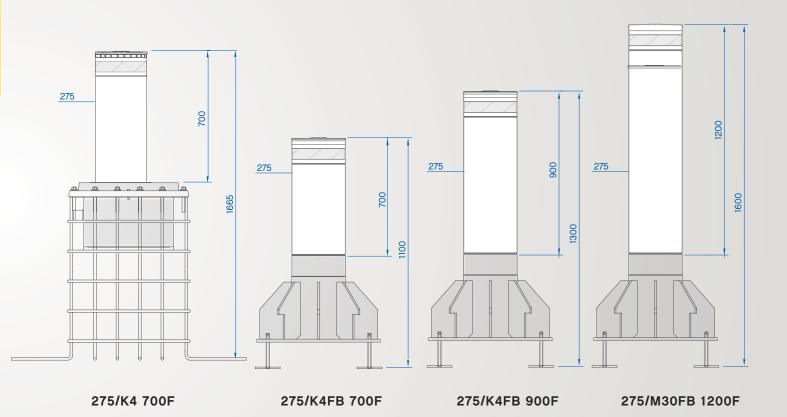


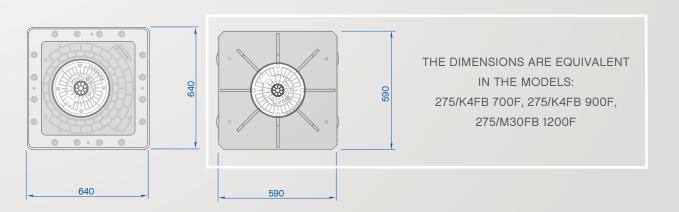


275/K4FB 700F 275/K4FB 900F

275/M30FB 1200F

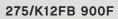
	275/K4 700F	275/K4FB 700F	275/K4FB 900F	275/M30FB 1200F
FIXED CYLINDER		FE 510 STEEL		
FIXED CYLINDER NOMINAL DIAMETER		275	mm	
FIXED CYLINDER HEIGHT	700	mm	900 mm	1200 mm
FIXED CYLINDER FE 510 STEEL THICKNESS	10 mm 15 mm		15 mm	
FIXED CYLINDER FE 510 STEEL FINISH	POLYESTER POWDER PAINT - STANDARD GREY ANTHRACITE			CITE
OTHER FIXED CYLINDER FINISH	RIBS ON CYLINDERS SURFACE - 316 AISI STAINLESS STEEL BRUSHED COVERING 1,5 mm		COVERING 1,5 mm	
REFLECTING ADHESIVE STRIP	YES - HEIGHT 55 mm			
IMPACT RESISTANCE (WITHOUT DEFORMATION)		150.000 J		700.000 J
BREAKOUT RESISTANCE	700.000 J 1.200		1.200.000 J	







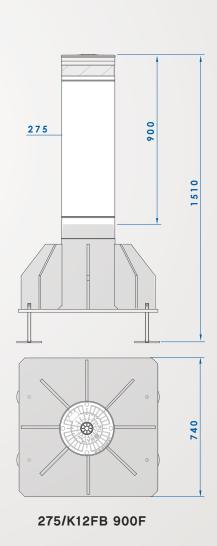


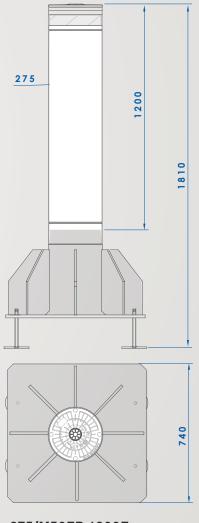




275/M50FB 1200F

	275/K12FB 900F	275/M50FB 1200F	
FIXED CYLINDER	FE 510	STEEL	
FIXED CYLINDER NOMINAL DIAMETER	275	mm	
FIXED CYLINDER HEIGHT	900 mm	1200 mm	
FIXED CYLINDER FE 510 STEEL THICKNESS	25 mm		
FIXED CYLINDER FE 510 STEEL FINISH	POLYESTER POWDER PAINT - STANDARD GREY ANTHRACITE		
OTHER FIXED CYLINDER FINISH	RIBS ON CYLINDERS SURFACE - 316 AISI STAINLESS STEEL BRUSHED COVERING 1,5 mm		
REFLECTING ADHESIVE STRIP	YES - HEIGHT 55 mm		
IMPACT RESISTANCE (WITHOUT DEFORMATION)	700.000 J		
BREAKOUT RESISTANCE	2.000.000 J		





The fixed PILOMAT LUX PL, LUX PF, LUX K4 and LUX K12 are designed and manufactured to combine the typical breakout resistance of fixed bollards and the lighting. The result is a bollard that contributes to the protection of pedestrian and perimetral areas, furthermore it illuminates the surrounding area.





GENERAL FEATURES

The Fixed PILOMAT LUX PL and LUX PF are designed to be used in public or private places to light up, delimit and prevent the access or the parking to vehicles in pedestrian and perimetral areas.

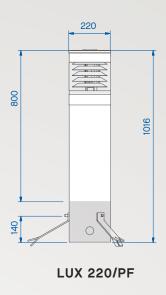
LUX PL SERIES: these items, with a counter frame to wall, allow the removal of the bollard in case of need or if an impact occurs. The breakout resistance is 150,000 Joules for the 220/PL and 250,000 Joules for the 275/PL.

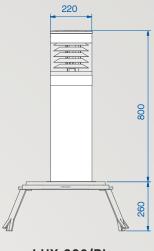
LUX PF SERIES: These items must be cemented into the ground. The breakout resistance is 150,000 Joules for the 220/PF and 250,000 Joules for the 275/PF.

The Fixed PILOMAT LUX K4FB and LUX K12FB are designed to ensure an antiterrorism defense and to be used in public or private places to light up, delimit and prevent vehicles to tear down perimetral areas of: Research centers -Embassies - Police Headquarters - Military bases - Ministerial Palaces - Sensitive sites.

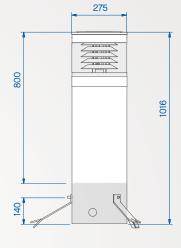
LUX K4FB SERIES: These items must be cemented into the ground at a depth that counters the breakout resistance of 700,000 Joules.

LUX K12FB SERIES: These items must be cemented into the ground at a depth that counters the breakout resistance of 2,000,000 Joules.

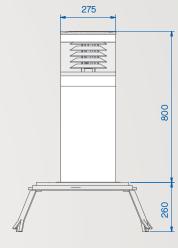




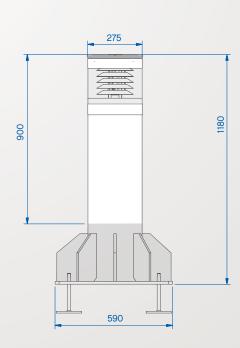
LUX 220/PL



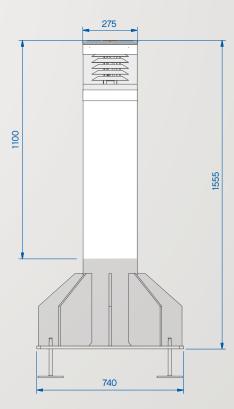
LUX 275/PF



LUX 275/PL

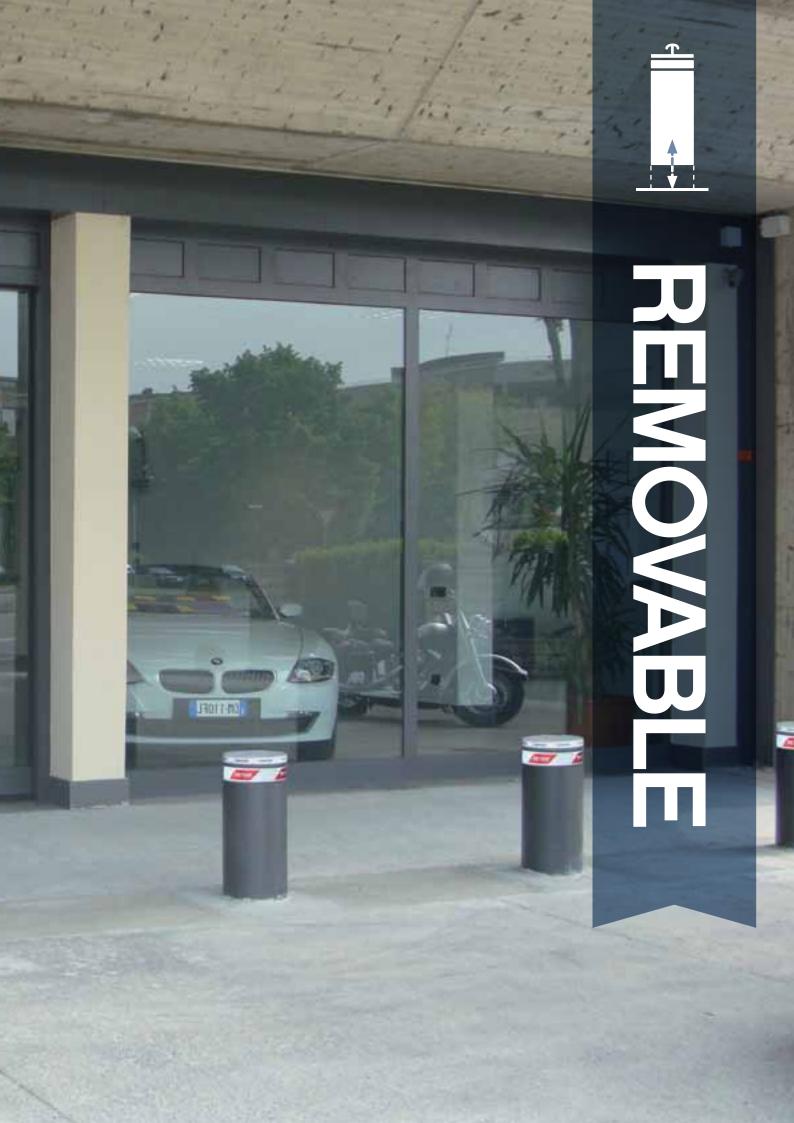


LUX 275/K4FB



LUX 275/K12FB





PILOMAT 275 RM

The 275 RM removable PILOMAT have been designed and built with architectural appearance similar to that of the retractable PILOMAT and therefore also allow for the combined use of both versions.

The 275 RM PILOMAT removable bollards are available in the standard version or with a safety lock to prevent the easy removal of the bollard by unauthorised persons.

The removal of the bollard is carried out using a mechanical key that unlocks the restraint system, allowing for the lifting and removal from the base of the bollard previously cemented into the ground. The base is made up of an integrated enclosure and, once removed, the bollard should only be moved and eventually placed in another stand at the side of the point that is protected.

PILOMAT 120 RM

The 120 RM removable PILOMAT have a square base, in the interior there is reinforced steel meant to ensure high resistance to breakage.

The 120 RM removable PILOMAT are complete with safety lock, round handle and the roller is placed at the base for easy relocation.

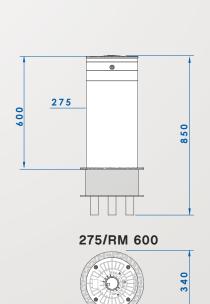
The removal of the bollard is carried out using a mechanical key that unlocks the restraint system, allowing for the lifting and removal from the base of the bollard previously cemented into the ground (in addition a plate enclosure base is provided). Once removed, the bollard can be moved and placed on its pedestal at the side of the point protected.

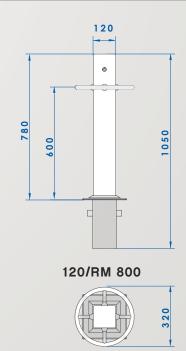


275/RM 600 120/RM 800



	275/RM 600	120/RM 800
REMOVABLE PILOMAT	FE 370 NORMAL STEEL - AISI 304 STAINLESS STEEL	AISI 304 STAINLESS STEEL
REMOVABLE PILOMAT DIMENSION	Ø 275 mm	120 x 120 mm
REMOVABLE PILOMAT HEIGHT	600 mm	780 mm
REMOVABLE PILOMAT THICKNESS	5 mm	10 mm
REMOVABLE PILOMAT FINISH	POLYESTER POWDER PAINT STANDARD GREY ANTHRACITE	BRUSHED
REFLECTING ADHESIVE STRIP	YES – HEIGHT 55 mm	NO
IMPACT RESISTANCE (WITHOUT DEFORMATION)	40.000 J	20.000 J
BREAKOUT RESISTANCE	200.000 J	250.000 J
NOMINAL PILOMAT WEIGHT (WITHOUT BASEMENT)	27 kg	35 kg





The motorized platforms, in general called road blockers, use electrohydraulic movement and are available in two different mechanical toughness and different lenghts, in order to meet all market requirements, From company driveways to the highest level of anti-terrorism protection. Many optionals items are available for PILOMAT ROAD BLOCKER in order to configure each individual system.

PILOMAT ROAD BLOCKERS are built at "low outline" for limiting the depth of the basement compartment underground and to avoid the main problems of laying in presence of public services (cables ducts, drainage systems, and similar); moreover it is possible to install the road blocker "on ground level" by using a slope.

500 SERIES

PILOMAT ROAD BLOCKER basic

is the basic version, not certified, typically used for perimeter protection of companies, hotels, convention centers and similar. The 500 series requires the installation of a basement compartment of about 200 mm; it rises form the ground 500 mm and the lenghts available are: 2.000 mm, 3.000 mm and 4.000 mm (greater lenghts are available on request).

1000 SERIES

PILOMAT ROAD BLOCKER high security

is the high security certified version (PAS68:2013 English Certification concerning a Crash test done with a 7500 Kg truck at 80 Km/h), typically used for the anti-terrorism protection at the highest levels. The 1000 series requires the installation of a basement compartment of about 400 mm; it rises from the ground 1000 mm and the lenghts available are: 2.000 mm, 3.000 mm, 4.000 mm (greater lenghts available on request).

CERTIFIED

PAS68:2013 ROAD BLOCKER V/7500(N3)/80 (K12) RATING





	RB 500	RB 1000	
PLATFORM HEIGHT FROM THE GROUND	500 mm	1000 mm	
PLATFORM LENGTH	STANDARD: 2,00 m - 3,00 m - 4,00	m (non-standard sizes evaluable)	
IMPACT RESISTANCE (WITHOUT DEFORMATION)	150.000 J	700.000 J	
BREAKOUT RESISTANCE	700.000 J	2.000.000 J (PAS68:2013 ROAD BLOCKER V/7500(N3)/80 (K12) RATING)	
MOVEMENT MECHANISM	HYDR	AULIC	
LIFTING TIME	7" (WITH OPTIONAL PUMP 4")	8"	
LOWERING TIME	4' (WITH OPTIONAL PUMP 3")	8"	
E.F.O. CIRCUIT FOR EMERGENCY LIFTING	YES (OP	TIONAL)	
ROAD BLOCKER FINISHING	POLYESTER PO	OWDER PAINT	
FINISHING OF THE TOP PLATFORM	ALUMIN	IUM SLIP	
LOADING CLASS	STANDARD U.N.I. CLASS D400		
LAYING DEPTH	500 mm (DI CUI 200 mm DI FONDAZIONE IN CALCESTRUZZO)		
TYPE OF USE	INTENSIVE		
POWER SUPPLY	230V - 50/60HZ		



PILOMAT TYRE KILLER is composed by heavy duty spikes that rise from the ground; it operates like an access control barrier, it prevents the passage of unauthorized vehicles or it allows the exit from a supervised area. It can be installed with other access control elements (for example PILOMAT bollards, PILOMAT road blocker or gates) in order to achieve an access control check-point at the highest level of security. Many optionals items are available for PILOMAT TYRE KILLER in order to configure each individual system.

MALL

Security system with steel spikes 150 mm high.

PILOMAT TYRE KILLER SMALL uses mechanical movement and return with spring, it is used to allow only the exit of vehicles from a supervised area but to prevent the entrance to unauthorized ones; it is typically used for perimeter protection at the exit of companies, hotels, convention centers and similar.

The lenghts available are : 2.000 mm, 3.000 mm, 4.000 mm, 5.000 mm and 6.000 mm .

BIG

Security system with steel spikes 475 mm high.

PILOMAT TYRE KILLER BIG, electro hydraulically operated, is completed with hydraulic pump in outside cabinet and a control switch; PILOMAT TYRE KILLER BIG i san effective way to stop even wider vehicles than cars. When closed, tyre killer is totally hidden in the street surface, so it allows the drive to all vehicles; when raised, it can stop even great trucks at a speed of 80 Km/h. it is typically used for perimeter protection of military bases, embassys, government buildings, airports and some other important public service places, in car parking and a san anti-terrorism measure.

Le lenghts available are: 2.000 mm, 3.000 mm, 4.000 mm,



5.000 mm and 6.000 mm.







	SMALL	BIG	
BLOCKING SPIKES HEIGHT FROM THE GROUND	70 mm	450 mm	
TYRE KILLER LENGTH	STANDARD: 2,00 - 3,00 - 4,00 - 5,00 - 6,00) m (NON-STANDARD SIZES EVALUABLE)	
DISTANCE BETWEEN BLOCKING SPIKES	100mm (E.G: TYRE KILLER 2m: 21 BLOCKING SPIKES)	200 mm (E.G: TYRE KILLER 2m: 11 BLOCKING SPIKES)	
BLOCKING SPIKES SHIM	10mm	20 mm	
PIT DIMENSIONS	LENGTH 2m: H160X310X2.320mm (FOR OTHER LENGHTS ADD 1MT-MODULES E.G: LENGHT 6m: 6.320mm)	LENGTH 2m: H700X1000X2.250mm (FOR OTHER LENGHTS ADD 1MT-MODULES E.G: LENGHT 6m: 6.250mm)	
USED MOVEMENT	SPRING RETURN TO ALLOW ONLY THE EXIT	HYDRAULIC	
LIFTING TIME	-	4"	
E.F.O. CIRCUIT FOR EMERGENCY LIFTING	-	YES (OPTIONAL)	
TYRE KILLER FINISH	POLYESTER POWDER PAINT – GREY A	NTHRACITE - RED BLOCKING SPIKES	
LOADING CLASS	REGULATION U.N.I. C250	STANDARD U.N.I. CLASS D400	
TYPE OF USE	INTENSIVE		
POWER SUPPLY	230V - 50/60HZ		
EMERGENCY MANUAL LOWERING	- YES		
DEVICE FOR MANUAL HANDLING	- YES (OPTIONAL)		
LOCK IN LOW POSITION FOR FREE TRANSIT	SI (ALIMENTAZIONE 24V. D.C.)YES (SUPPLY 24V. D.C.)	-	

Motorized barriers with vertical movement, called PILOMAT BARRIER, are available, depending on installation requirements, in different lengths (from 3 meters to 7 meters, with a modules of 50 cm) they have a considerable mechanical strength to meet the highest anti-terrorism security because they are designed to resist to a breakout of a truck having a weight of 6.800Kg which impacts at 80Km/h (according to legislation USA SD-STD-02.01 - today ASTM F2656-07).

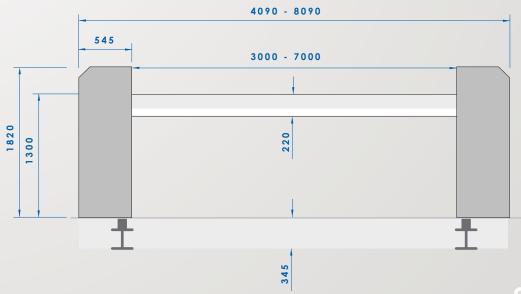
BARRI

- hydraulic movement: the most reliable technology at all temperatures and weather conditions but especially for the intensive use;
- built-in hydraulic pump: this philosophy offers many advantages, especially in installations in places with severe winter temperatures or when the installation requires a considerable distance (up to 80 meters) between the PILOMAT and the control unit:
- wide range of optional configurations: custom colors, EFO circuit for emergency rising in a second, acoustic signal, heating resistance, ups group, command equipment (see optional items and accessories).





BARRIER HEIGHT FROM THE GROUND	1300 mm
BARRIER LENGTH	FROM 3,00 m TO 7,00 m (WITH STEP OF 0,5 m)
IMPACT RESISTANCE (WITHOUT DEFORMATION)	350.000 J
BREAKOUT RESISTANCE	2.000.000 J
MOVEMENT MECHANISM	HYDRAULIC
LIFTING TIME	10"
LOWERING TIME	3"
E.F.O. CIRCUIT FOR EMERGENCY LIFTING 2"	YES
BARRIER FINISHING	POLYESTER POWDER PAINT
TYPE OF USE	INTENSIVE



PILOMAT CITY GATE, the planter becomes a moving sliding barrier to control the traffic.

PILOMAT CITY GATE is a moving motorized barrier with unilateral or bilateral sliding; it consists of a metal planter with rectangular base and adjustable ground supports. Characterized by a large perimeter edge, with the function of delimiting the containment tank of the planter's earth and to cover the sliding mechanism, it is equipped with a moving barrier to hurdle, housed internally between the tank and the external side of the planter. The barrier flowing parallel to the planter, comes out creating a extension of the planter itself, blocking the vehicular traffic. It is supplied completely wired, assembled and tested, it is equipped with safety laser photocell, limiting mechanism of the forces, integrated sound and intermittent light signal, manual unblocking and automatic opening in the case of a power failure. There are many optional items to configure each system.



GENERAL FEATURES

ONE SLIDE

- SMALL SX version, 2 modules (cm 160x67x90h), sliding barrier from 120 cm.
- SMALL DX version, 2 modules (cm 160x67x90h), sliding barrier from 120 cm.
- BIG SX version, 3 modules (cm 235x67x90h), sliding barrier from 170 cm.
- BIG DX version, 3 modules (cm 235x67x90h), sliding barrier from 170 cm.

TWO SLIDES

- BIG version, 3 modules (cm 235x67x90h) - 2 sliding barriers from 170 cm.

FIXED

Fixed planters to match with moving barriers for delimitation of transit areas.

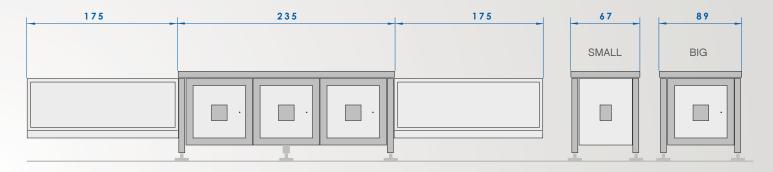
- SMALL FIX version, 1 module (cm 67x67x90 h).
- BIG FIX version, 1 module (cm 89x89x90 h).

SLIDING VERSION WITH ONE SLIDE



SLIDING VERSION WITH TWO SLIDES

FIXED VERSION















B3020 60 - B4030 60

The PILOMAT ENERGY B3020 60 and B4030 60 towers with manual movement allow the installation of electrical sockets, single and/or three phase 16A, in compliance with regulations EN 60301-1 and EN 60301-2 and related circuit breakers. The cover plate placed at the top of the tower is in compliance with regulation UNI EN 124 with load class C250.

B4040 55

The PILOMAT ENERGY B4040 55 towers, at semiautomatic movement, allow for multiple installations of single-phase and/or three-phase 16A, 32A, and 63A, in accordance with EN 60301-1 EN 60301-2 regulations and related protective circuit breakers. The coverplate at the top of the movement tower is in compliance with UNI EN 124 regulations with load class C250 or D400.

General Peatures: B4040 55 PILOMAT ENERGY towers are semiautomatic with incorporated gas actuators; the procedure is similar to semi-automatic PILOMAT bollards (p. 60).

Choice of optional configurations: mobile FE370 towers, steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless steel, AlSI 304-FE 370 pits with anti-corrosion steel or stainless ste







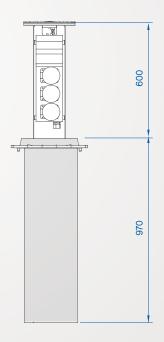
B3020 60

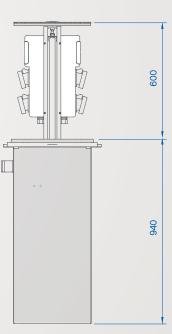
B4030 60

B4040 55

	B3020 60	B4030 60	B4040 55
MOVING TOWER	FE 510 NORMAL STEEL		FE 510 NORMAL STEEL AISI 304 STAINLESS STEEL
MOVING TOWER DIMENSIONS	300 x 200 mm	400 x 300 mm	400 x 400 mm
MOVING TOWER HEIGHT	600 mm		550 mm
MOVING TOWER FINISH	POLYESTER POWDER PAINT- STANDARD		YELLOW
CONNECTION LINE OUT OF THE TOWER	-		STANDARD 3 m
PROTECTION CLASS ELECTRIC COMPONENTS	IP 66		IP 66 - IP 67
COVERPLATE LOAD CLASS	C250		C250 - D400
POSSIBILITY OF FILLABLE COVERPLATE	N	10	YES

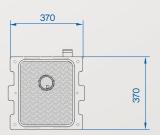




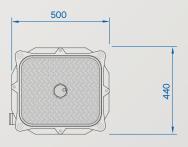




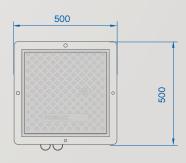
B3020 60



B4030 60



B4040 55



LONDON



The pilomat energy LONDON towers, at semiautomatic movement, allow for multiple installations of single-phase and/or three-phase 16A and 32A in accordance with EN 60301-1 EN 60301-2 regulations and related protective circuit breakers. The driveway coverplate at the top of the moving tower is compliant with UNI EN 124 regulations with load class D400.

General Features: the pilomat energy LONDON are semiautomatic, with incorporated gas actuator. The design of pilomat energy LONDON allows for the creation of structures that allow the connection of users and the subsequent closure of the upper structure, allowing for total drive ability in the area.

Action: the pilomat energy LONDON structures, semi-automatic movement, are operated using a mechanical key that unlocks the restraint, resulting in automatic 90° opening from the coverplate due to the incorporated gas actuator.

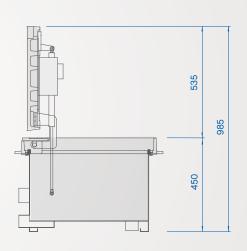
The closure of the structure is carried out by pushing it toward the ground, acting with the foot on the coverplate with the 90° opening from the ground; a cover totally below the restraint system is automatically locked, preventing the possibility of lifting.

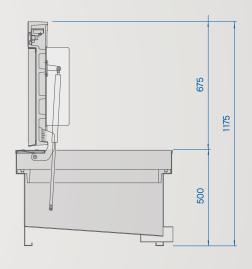


LONDON 6040

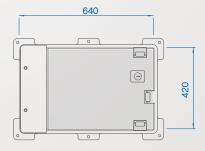
LONDON 8050

	LONDON 6040	LONDON 8050	
MOVING STRUCTURE	PEARLITIC IRON		
MOVING STRUCTURE DIMENSION	640 x 420 x 450 mm	820 x 520 x 500 mm	
MOVING STRUCTURE HEIGHT	535 mm	675 mm	
MOVING STRUCTURE FINISH	POLYESTER POWDER PAINT – STANDARD GREY ANTHRACITE		
CONNECTION LINE OUT OF THE TOWER	STANDARD 3 m		
PROTECTION CLASS ELECTRIC COMPONENTS	IP 66 - IP 67		
CLASS OF LOAD	D400		
POSSIBILITY OF FILLABLE COVERPLATE	NO STANDARD		

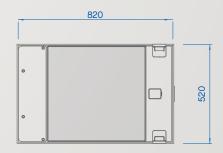


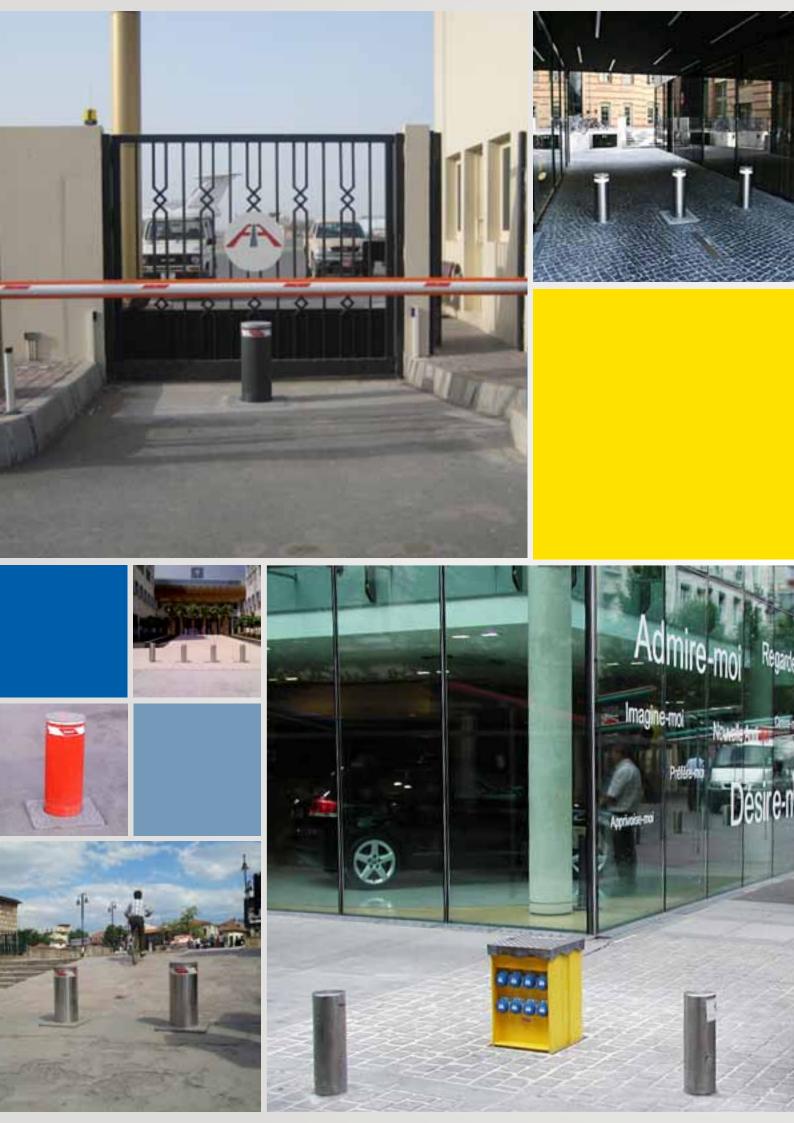


LONDON 6040



LONDON 8050























The fixed bollards PILOMAT FLEX CITY, designed specifically for urban areas, are available in two heights: 800mm - 1000mm and 2 diameters: 80mm - 130mm. PILOMAT FLEX CITY typically have two high-visibility reflective strips and two rings with reflective beads, one in the upper part and the other in the lower one.



The appearance of PILOMAT FLEX CITY recalls the traditional metallic bollards but as it is made in deformable polyurethane, provides a cheaper alternative, with the added bonus of very low maintenance. In case of special events, PILOMAT FLEX CITY can be easily and quickly removed, using the special tools for installation (supplied separately).

- made with high quality polyurethane: PILOMAT FLEX CITY after being hit, run over and crushed by the car back to its original position;
- the reflective strips and reflective beads help night driving;
- the appearance of the various PILOMAT FLEX CITY emphasize the classical style and for that, are ideal for use especially in the Old Towns;
- high corrosion resistance against chloride, calcium and other chemical elements, typically used in snowy areas;
- PILOMAT FLEX CITY thanks to the special internal construction does not allow to be bent by hand, giving a more secure solution than competitive soft flex products.













	PFC-8BS-M80-W	PFC-7BS-M100-W	PFC-7BS-M87-W-BL	PFC-7BS-M100-W-BL	PFC-7BS-SL80-W
COLOR	GREY ANTHRACITE		SILVER		
HEIGHT	800 mm	1000 mm	870 mm	1000 mm	800 mm
DIAMETER	130 mm	80 mm	80 mm	80 mm	80 mm
FINISH TOP PART	CUP	OLA	ВА	LL	CUPOLA





The fixed bollards PILOMAT FLEX ROAD, designed specifically for highways, borders and urban environments, are made of 80mm diameter and 800mm height. Typically PILOMAT FLEX ROAD have three high-visibility reflective strips and a lower ring of reflective beads.



The appearance of PILOMAT FLEX ROAD recalls the traditional metallic bollard but as it is made of deformable polyurethane, provides a cheaper alternative, with the added bonus of very low maintenance. In case of special events, PILOMAT FLEX ROAD can be easily and quickly removed, using the special tools for installation (supplied separately).

- made with high quality polyurethane: PILOMAT FLEX ROAD after being hit, run over and crushed by the car back to its original position;
- the reflective strips and reflective beads help night driving;
- PILOMAT FLEX ROAD are available in various colors: orange, green, black and white;
- high corrosion resistance against chloride, calcium and other chemicals, typically used in snowy areas;
- PILOMAT FLEX ROAD thanks to the special internal construction does not allow to be bent by hand, giving a more secure solution than competitive soft flex products.









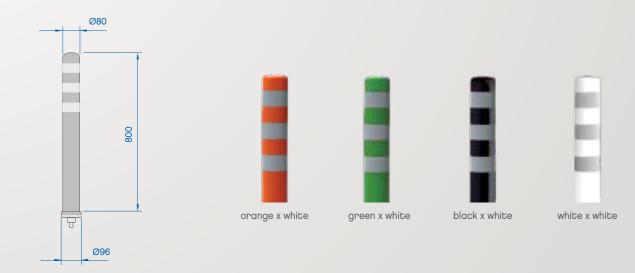


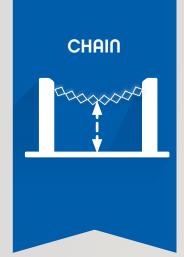




	PFR-80NSRW	PFR-80NSGW	PFR-80NSBLW	PFR-80NSWHW	PFR-80NFRW-N *
	FFH-00N3HW	FFH-00N3GW	FFH-00N3BLW	FFH-00N3WIIW	FIN-OUNTHW-IV
COLOR	ORANGE	GREEN	BLACK	WHITE	ORANGE
HEIGHT	800 mm				
DIAMETER	80 mm				
FINISH TOP PART	STRAIGHT				

 $^{^{\}ast}$ larger basement diameter 300mm to anchor to the ground with $\,$ epossidic glue





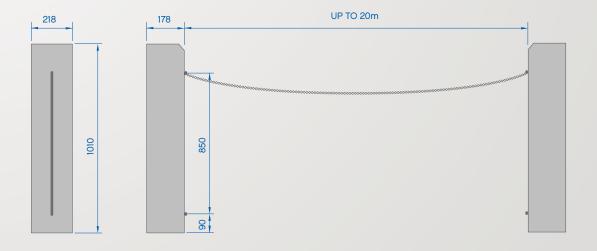
PILOMAT CHAIN is the new automatic barrier with moving chain with electromechanical movement to mark driveways and private parking places.



- large delimitation: PILOMAT CHAIN allows the delimitation of areas up to 20m;
- linear and powerful moving: PILOMAT CHAIN has two 24V motors (one in each column) that give to the chain a linear movement and allow to lift chains up to 8Kg;
- safe operation: PILOMAT CHAIN is equipped with a impact analysis sensor to ensure the maximum safety in the operation;
- underground guide: an optional item is available (recommended) which consists of a U-guide to ground below the perpendicular of the chain, to allow the placing of the chain when lowered:
- operation in power failure: there is an additional item which is a power supply unit with battery accumulator to allow the temporary operation of PILOMAT CHAIN in case of temporary power failure;



POWER SUPPLY	230 V – 50 HZ
POWER CONSUPTION OF 2 MOTORS	2,0 A
POWER OF EACH MOTOR	60 W
OPERATING TEMPERATURE	-20°C + 55°C
PROTECTION CLASS	IP 34
LUBRIFICATION	PERMANENT
NOMINAL WEIGHT OF EACH COLUMN	25 Kg
MAXIMUM CHAIN LENGTH	20 m
MAXIMUM CHAIN WEIGHT	8 kg
CONTROL UNIT	INTEGRATED IN A COLUMN





PILOMAT PARKY includes a wide range of manual parking barriers for the protection of the single parking space.

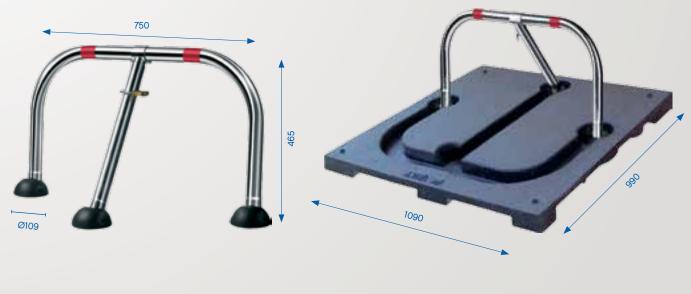


- PILOMAT PARKY are made in steel with anti-corrosion protection treatment in electro galvanized;
- the foot fixing has a shell shape made of NYLON with FIBER GLASS which gives the foot fixing a lot of resistance;
- all shapes are rounded to a refined design and in compliance with safety regulations;
- the closing of PILOMAT PARKY includes the following types: European cylinder with different keys, European cylinder with the same keys, predisposition for the use of a common padlock;
- the model ARB580 includes a base to ground, made with elastomers recycled to obtain the complete placing of the barrier when the same is in the open position.

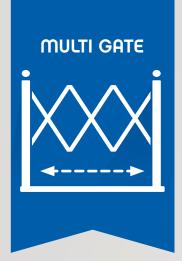


AR050	VERSION WITH PADLOCK (PADLOCK NOT INCLUDED)
AR100	WITH UNBLOCKING LOCK - CYLINDER EUROPEAN PROFILE (OPTION TO HAVE SAME KEYS)
AR200	VERSION WITH PADLOCK (PADLOCK NOT INCLUDED)
AR580	WITH UNBLOCKING LOCK - CYLINDER EUROPEAN PROFILE (OPTION TO HAVE SAME KEYS)
ARB580	AS VERSION AR580 BUT WITH BASEMENT TO GROUND
AR600	WITH UNBLOCKING LOCK - CYLINDER EUROPEAN PROFILE (OPTION TO HAVE SAME KEYS)
AR700	WITH UNBLOCKING LOCK - CYLINDER EUROPEAN PROFILE (OPTION TO HAVE SAME KEYS)

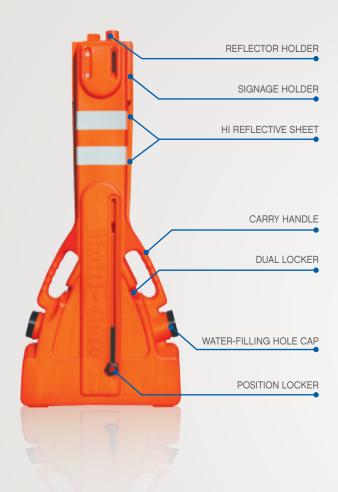




AR200 ARB580



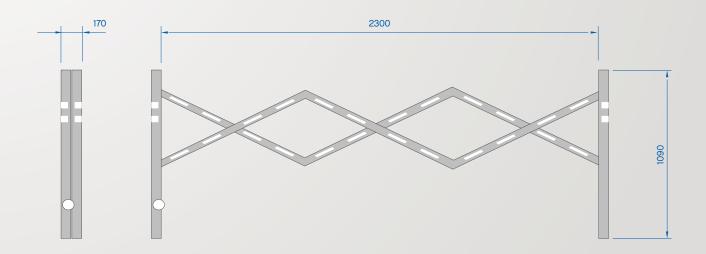
PILOMAT MULTIGATE is a security portable fence to use in various applications, such as: blocking traffic in pedestrian areas and subsidiaries; safe of assembling areas, checkpoints, parking and similars.

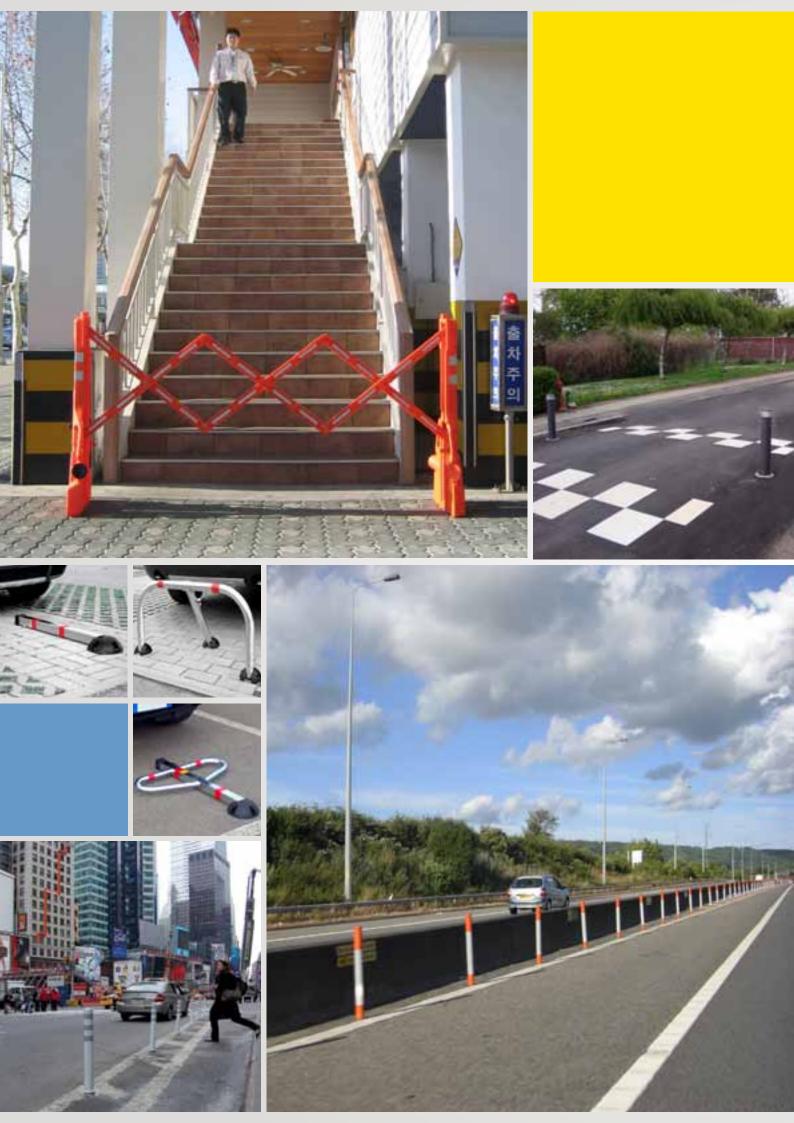


- The Fence PILOMAT MULTI GATE is easily transportable;
- the dimensions of the fence when is closed are: 170x480x1.090 mm.
- Full extended opening: 2.300 mm.
- Fence with high visibility with 52 intensive reflective sectors.
- High resistance to weathering.
- The side bases have a tank to be filled with water to ballast the fence.



MATERIAL		
DIMENSION (L X W X H mm)		
COLOR	ORANGE (BODY) / BLACK (CAP) / WHITE (REFLECTIVES)	









PILOMAT PASS	
AUTOMATIC - CL SERIES 220/CL 600A 275/CL 600A	16 16 16
AUTOMATIC - PL SERIES 220/PL 600A 275/PL 600A 355/PL 600A	20 20 20 20
AUTOMATIC - P SERIES 127/P 600A 127/P 800A 220/P 600A 275/P 400A 275/P 500A 275/P 600A 275/P 800A PARK 275/P 500A 275/P 800A PARK 275/P 500A 275/P10 800A AUTOMATIC - K/M SERIES ANTI-TERRORISM 275/K4 700A 275/K4 900A 275/K4 900A 275/K12 900A 275/M50 1200A	24 24 24 28 28 28 28 28 32 32 36 36 36 36 40 40
ACCESSORIES	44
COLUMNS OF CONTROL AND MANAGEMENT FIXED COLUMNS MODULAR COLUMNS	48 48 50
AUTOMATIC NUMBER PLATE READER	52
JEMIAUTOMATIC - PL SERIES 127/PL 500SA 127/PL 600SA 220/PL 600SA 275/PL 500SA	60 62 62 62 62 63
275/PL 800SA 355/PL 600SA	63 63

FIXED - PL SERIES 127/PL 600F 220/PL 600F 275/PL 800F	66 66 66
FIXED - PF SERIES 127/PF 600F 220/PF 600F 275/PF 600F 355/PF 600F	67 67 67 67
FIXED - K/M SERIES ANTI-TERRORISM 275/H4 700F 275/K4FB 700F 275/K4FB 900F 275/M30FB 1200F 275/K12FB 900F 275/M50FB 1200F	68 70 70 70 70 70 72 72
LUX LUX PL - LUX PF - LUX K4FB - LUX K12FB	74 74
REMOVABLE 275/RM 600 120/RM 800	76 78 78
ROAD BLOCHER	80
TYRE HILLER	82
BARRIER	84
CITY GATE	86
PILOMAT ENERGY B3020 60 - B4030 60 - B4040 55 LONDON 6040 - LONDON 8050	88 90 92
PILOMAT COMPLEMENTS	96
CHAIN PARKY MULTI GATE	98 102 104 106



Specifications, descriptions and illustrations reported in this publication are of indicative value. In the perspective of PILOMAT S.r.l. continuous development, we reserve the right to make changes to our products. Consult the sales office at PILOMAT S.r.l. in order to receive updated information. All rights are reserved. Any unauthorised reproduction of this publication, partial or otherwise, is prohibited.

CATALOGUE.15.1

english version

Design Alice Lavezzi





100% MADE IN ITALY



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