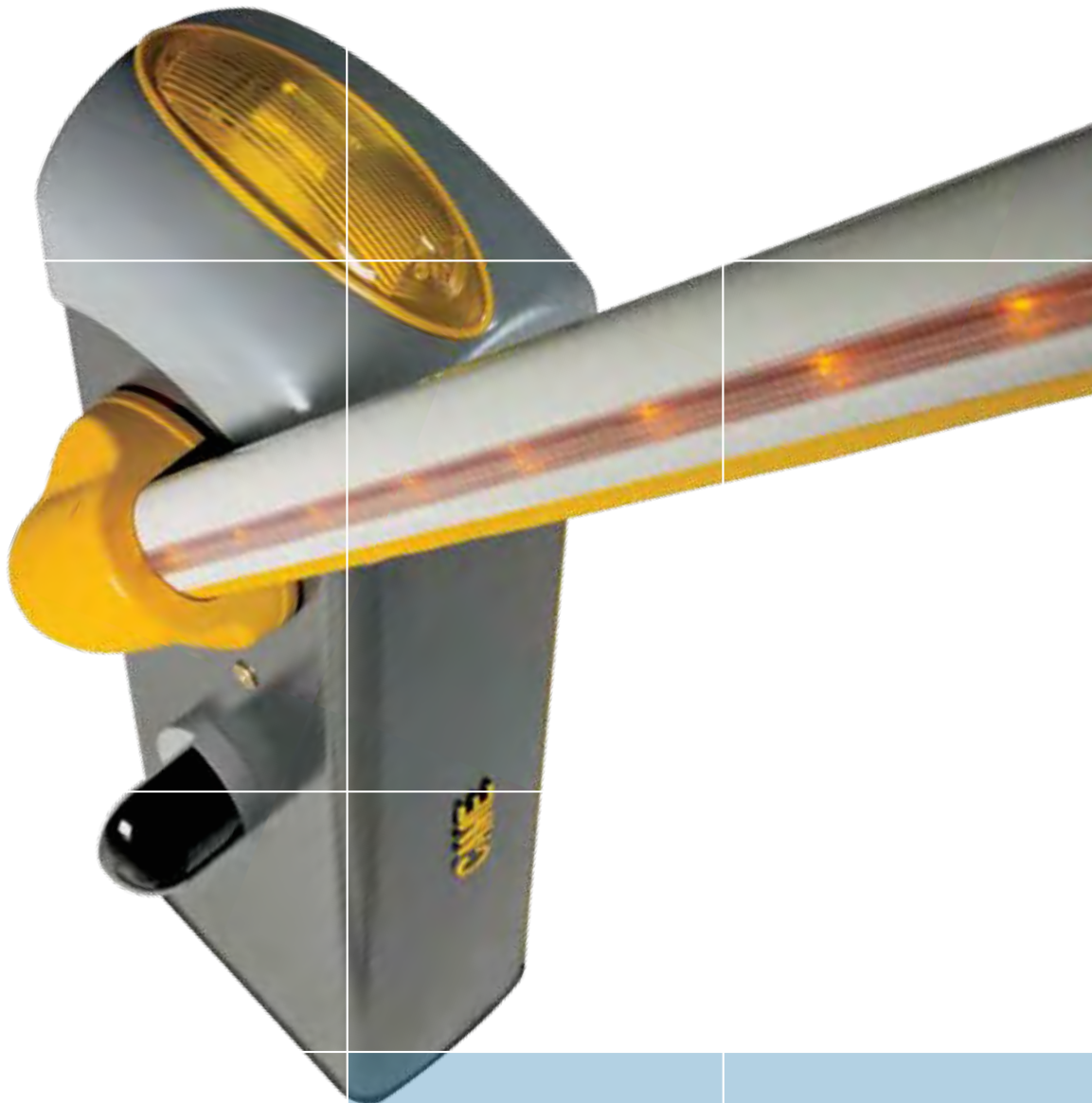


Road barrier
for quick passages
of up to 2,75 m



Gard 3

It lets you through much more quickly.

Came launches the new Gard 3 series which is especially suited for managing quick passages in public parking facilities, hospitals, motor ways, and where maximum performance is required in terms of opening speed and intensive use.



Gard 3

Utmost performance in just 0.9 seconds

Engineered to control passage openings up to 2.75 m wide, the new Gard 3 barriers are designed for intensive traffic flows thanks to a series of features that make them especially sturdy and reliable. The reinforced steel structure with anti-oxidation treatment and electrostatic powder varnishing, provides long lasting and resistance over time of its aesthetics, while the dedicated control panel and the evolved balancing system are for managing the required continuous operations and passive inertia phenomena that are typical of quick movements.



The special attachment turns horizontally in case of impact.



The barrier arm turns then vertically and rests on the ground.



This is to counter any spring-return effects due to the arm's elasticity.

The break-away barrier arm.

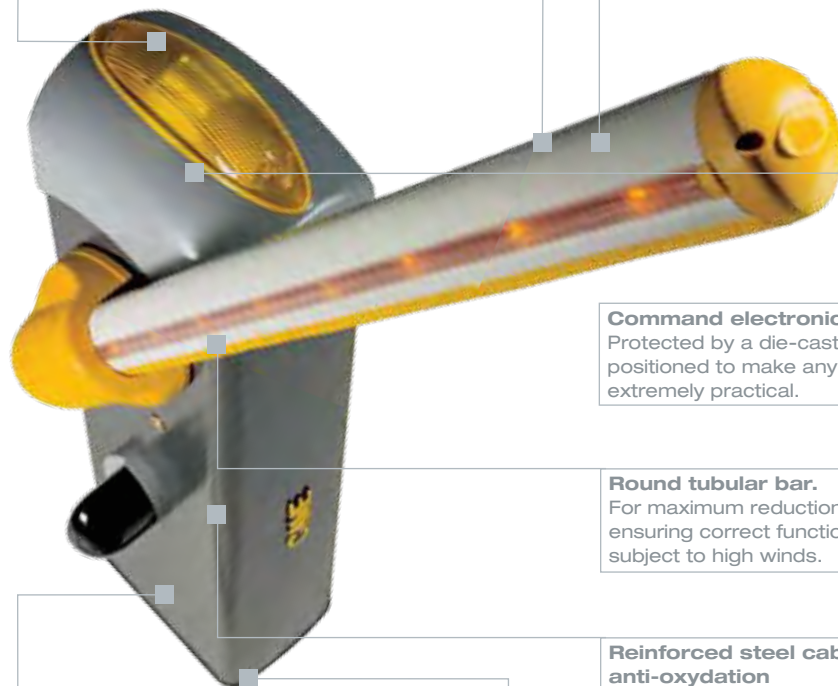
Among the solutions there is also the special break-away barrier arm attachment item 001G03000, for releasing and rotating the barrier-arm in case of impact.

A blend of design and modern technology of illumination.

The exclusive incorporated flashing light with a lighted LED diffuser needs no special maintenance and ensures complete visibility of the warning light.

Speedy opening and closing

movements with independent adjustments.



Command electronics.

Protected by a die-cast aluminium guard, it is positioned to make any type of intervention extremely practical.

Round tubular bar.

For maximum reduction of the sail effect ensuring correct functioning even in areas subject to high winds.

Reinforced steel cabinet treated with anti-oxidation

characteristics and varnishing or, made of AISI 304 steel.

Differential spring-loaded balancing system for opening and closing.

Command electronics.

Protected by a die-cast aluminium guard, it is positioned to make any type of intervention extremely practical.

The new control panel enhances performance

Besides the new command and safety functions, Gard 3's new ZL30 control panel features numerous peculiarities that result in total control of the operator and make for optimal service:

- **Powered by 24 V DC**
to be applied in intensive use conditions.
- **The barrier arm completely opens**
in just 0.9 seconds!
- **ENCODER-based**
electronic management for obstacle detection and movement control.
- **Display and self diagnosis of safety devices**
for viewing functions control.
- **Set up to house**
both photocells and lashing light in the barrier body, for safe operation and duration over time.



The advantages of 24 V barriers

Streets, parking areas, collective areas or simply specific functional and security needs of the system can call for the use of a Gard 3 system with 24 V technology.

- **Frequent blackouts**
The electronics of a Gard 3 24 V system automatically recognizes a lack of power and activates emergency mode with special batteries.
- **Keep speed in check**
For total service, the 24 V electronics enables the operating speed to be adjusted depending on whether the situation requires faster or slower openings and closings.
- **Intensive use**
The low-voltage motor ensures operation of the barrier for intensive traffic conditions, such as streets, parking areas and other areas entailing constant, intensive operation.
- **Obstacle detection**
A special electronic circuit constantly analyses the proper functioning of the bar, allowing for their total stop, or inversion of movement, when coming into contact with any obstacles.



NOTE
001G03000 break-away arm attachment.
Can be used only with the 001G03002 type barrier-arm.

Operational limits

MODEL	001G3000DX - 001G3000SX - 001G3000DX - 001G3000SX
Maximum available passage width (m)	2.75

● 24 V DC

Global entry control

The Gard 3 series automatic barrier system can be connected to many of the Came access control systems that allow identification, memorization, and entry and exit only to authorized personnel. The equipment can also be integrated with a global access control system for specific departments in a company or the services offered by a collective structure.





The complete range

Barriers with 24 V DC operator and built-in control panel

- 001G3000DX RIGHT-HAND barrier made of galvanised and varnished steel fitted to take additional accessories.
- 001G3000SX LEFT-HAND barrier made of galvanised and varnished steel fitted to take additional accessories.
- 001G3000IDX RIGHT-HAND barrier made of AISI 304 steel WITH satin finishing fitted to take additional accessories.
- 001G3000IDX LEFT-HAND barrier made of AISI 304 steel WITH satin finishing fitted to take additional accessories.

OBLIGATORY accessories

- 001G03001 White varnished semi-elliptical aluminium arm L = 3 m, complete with anti-impact profile, internal reinforcement, luminous cord, cord connection cable and red reflective adhesive strips.
- 001G03002 Ø 60 mm white varnished aluminium tube arm L = 3 m, complete with red-reflective adhesive bands.

OBLIGATORY accessories for : 001G03001

- 001G04060 Balancing spring ø 50 mm.
- 001G03003 Semi-elliptical arm attachment flange complete with flange cover and barrier arm end-cap.

OBLIGATORY accessories for : 001G03002

- 001G02040 Balancing spring ø 40 mm.
- 001G03004 ø 60 mm tube arm attachment flange complete with flange cover and barrier arm end-caps.

001G03002 accessories (excludes the use of item 001G02807)

- 001G03000 Detachable barrier-arm support coupling.

Accessories

- 001G02801 Flashing dome light.
- 001G02802 Support for applying Dir series photocells.
- 001G02807 Fixed rest for barrier arm.



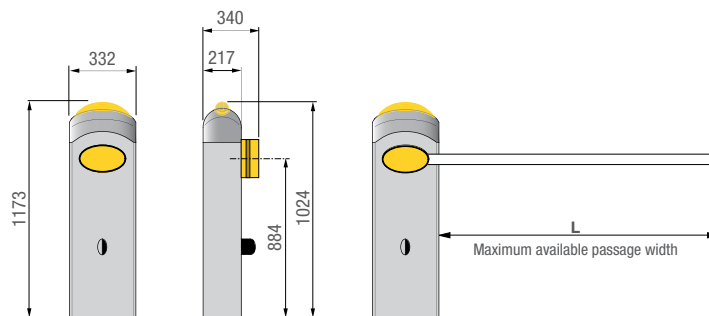
GARANZIA QUALITÀ ORIGINALE

Came products are entirely engineered and built in ITALY



Came Cancelli Automatici S.p.A. is Quality and Environmentally certified
UNI EN ISO 9001
UNI EN ISO 14001

Dimensions (mm)



Technical information

Type	001G3000DX - 001G3000SX - 001G3000IDX - 001G3000ISX
IP protection rating	IP54
Power supply (V - 50/60 Hz)	230 AC
Motor power supply (V - 50/60 Hz)	24 CC
Current draw (A)	15 MAX.
Power rating (W)	300
Opening time 90°(s)	60,9
Duty cycle (%)	INTENSIVE USE
Operating temperature (°C)	-20 ÷ +55
Motor heat protection (°C)	-

● 24 V DC



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PRODUCTS



The range

230V A.C. Barriers

- G4041** Automatic barrier in galvanized and painted steel with 230V A.C. operator with control panel.
- G4041I** Automatic barrier in brushed AISI 304 stainless steel with 230V A.C. operator with control panel.

230V A.C. Electronics

- ZG5** Plus control panel.
- ZG6** Basic control panel.
- RSE** Function management control board for ZG5.

24V D.C. Barriers

- G4040** Automatic barrier in galvanized and painted steel with 24V D.C. operator with control panel.
- G4040I** Automatic barrier in satin-finish AISI 304 stainless steel with 24V D.C. operator with control panel.

24V D.C. Electronics

- ZL38** Control board fitted to take Came radio frequency cards.
- LB38** Emergency battery card.

Made in Italy



For its quality processes management Came Cancelli Automatici is ISO 9001:2000 certified, and for its environmental management it is ISO 14001 certified. Came designs and manufactures entirely in Italy.

Technical features

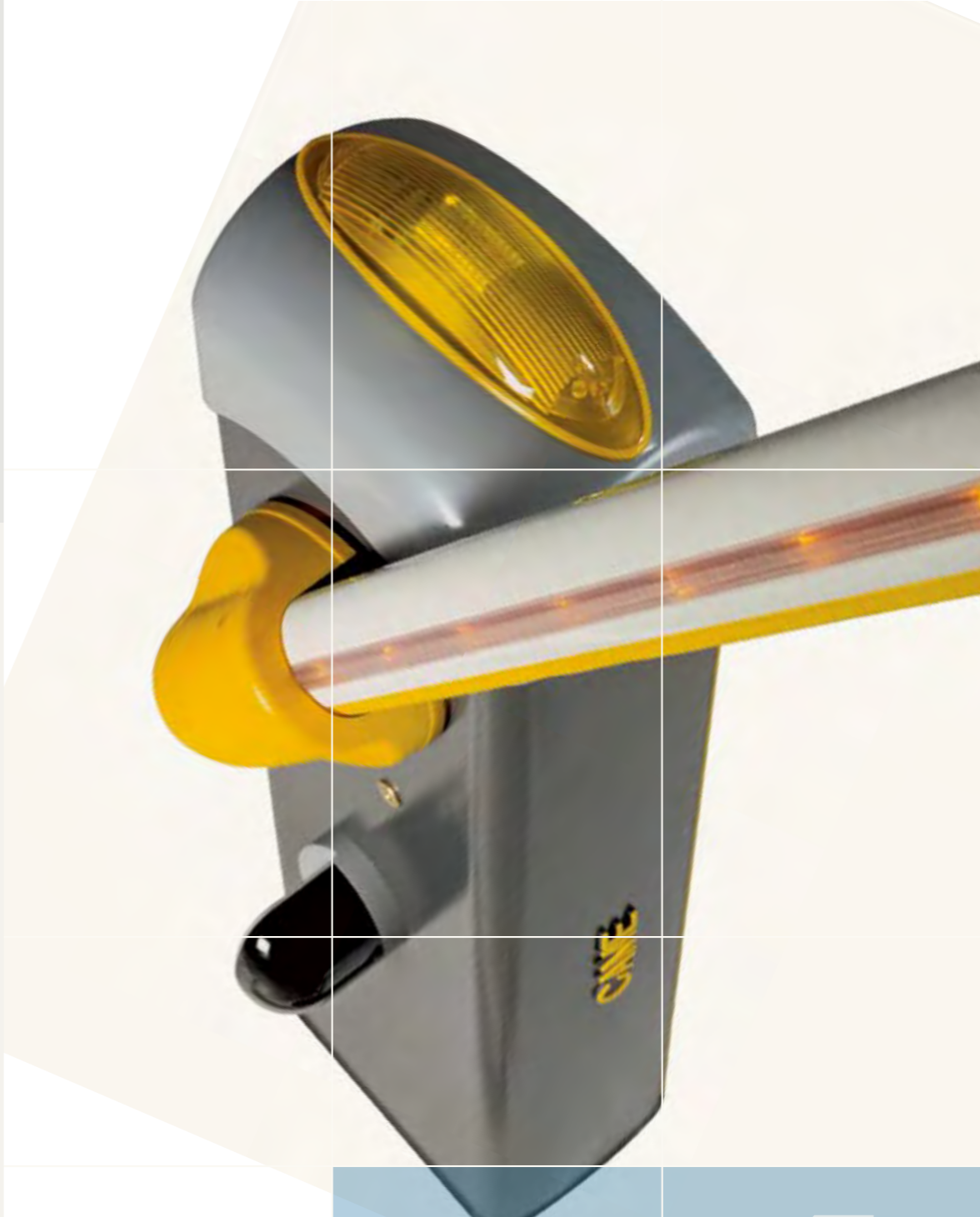
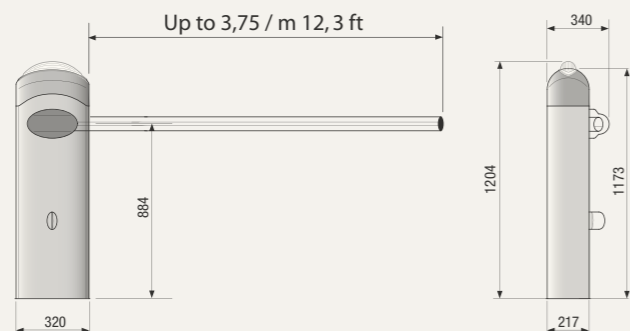
Type	G4041 / G4041I	G4040 / G4040I
Protection rating	IP54	IP54
Power supply (V)	230 A.C 50/60Hz	230 A.C 50/60Hz
Motor power supply (V)	230 A.C 50/60Hz	24 D.C.
Power (W)	250	300
Current draw (A)	2,2	15
Reduction ratio (i)	1/202	1/202
Max torque (Nm)	220	600
Opening time (s)	4	2 ÷ 6
Duty cycle (%)	30	intensive use
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Cabinet colour	Grey textured metal finish 0530837	Grey textured metal finish 0530837
Cover colour	RAL 9006	RAL 9006

● 230V A.C. ● 24V D.C.

General information

Composition of the bar	Max opening clearance	m	ft
Bar with shock-resistant profile		3,75	12,3
Bar with shock-resistant profile and luminous cord		3,75	12,3
Bar with rack		3,75	12,3
Bar with luminous cord and rack		3,75	12,3
Bar with shock-resistant profile and mobile barrier support		3,75	12,3
Bar with shock-resistant profile, luminous cord and mobile barrier support		3,75	12,3
Bar with rack and mobile barrier support		3,50	11,5
Bar with luminous cord, rack and mobile barrier support		3,50	11,5

Dimensions



new Gard4

Automatic road barriers for passages of up to 3.75 m / 12.3 ft



A new concept of automatic barrier

Innovation and design for all-inclusive safety: these are the most recent additions to the Gard barrier line family. Soft contours and rounded corners to counteract the "sail effect" for a barrier that incorporates perfectly into a diversity of installation settings.



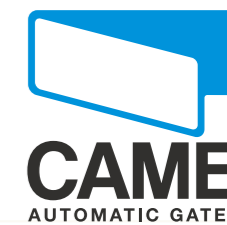
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Gard4

230V 24V

Automatic road barriers

Designed for a range of large openings up to 3,75 m / 12,3 ft, the new Gard barriers are the ideal solution for control of roads and parking areas for industrial and public use.

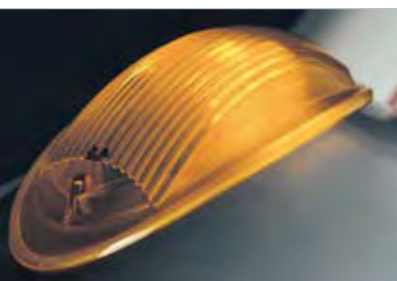
The Gard series is available in the 230V A.C. motor and the 24V D.C. motor versions.



The 230V electronics

The Gard series barriers are constructed with next-generation electronics that guarantee total control of the automatic system, improving and increasing the usual safety and control functions, such as:

- > **Comprehensive AUTOTEST of all the safety devices**
connected to the system prior to activating the motor (electronic autotest).
- > **Electronic control of the movement**
of the bar with obstacles detection (anti-crushing function).
- > **Safety feature even when the bar is stationary**
all controls are invalidated if an obstacle is detected by the safety devices.



A blend of design and modern technology of illumination.

The exclusive incorporated flashing light with a lighted LED diffuser needs no special maintenance and ensures complete visibility of the warning light.



The protective guard on the bar is a standard feature.

Protects the user from possible risk when the bar is in rotation.



Perfectly integrable.

The safety photocells are applied directly onto the bar and integrate harmoniously and aesthetically with the system.

The new series offers many new features, all marked by innovation



Maximum safety.
An electronic contact automatically interrupts the power supply voltage as soon as the inspection door is opened.

Round tubular bar.
For maximum reduction of the sail effect ensuring correct functioning even in areas subject to high winds.

Command electronics.
Protected by a die-cast aluminium guard, it is positioned to make any type of intervention extremely practical.

Luminous cord.
Superior visibility of the arm and maximum durability of the light fixtures.

Differentiated sensitivity spring.
For exceptional balancing of the bar.

The advantages of 24V barriers



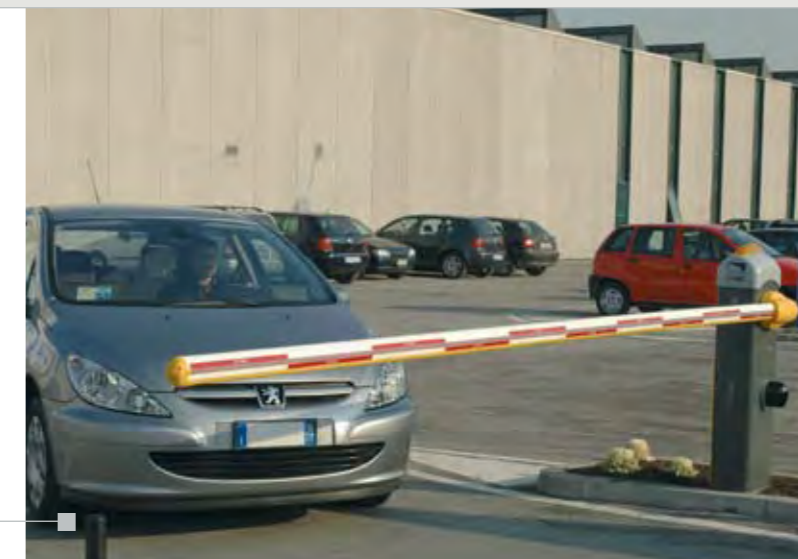
Streets, parking areas, collective areas or simply specific functional and security needs of the system can call for the use of a Gard system with 24V technology.

- > **Frequent blackouts**
The electronics of a Gard 24V system automatically recognizes a lack of power and activates emergency operation with special auxiliary batteries.
- > **Keep speed in check**
For total service, the 24V electronics enables the operating speed to be adjusted depending on whether the situation requires faster or slower openings and closings.
- > **Intensive traffic**
The low-voltage motor ensures operation of the barrier for intensive traffic conditions, such as streets, parking areas and other areas entailing constant, intensive operation.
- > **Rapid transit**
The 24V technology regulates the barrier opening time between 8 and 4 seconds.



Also available as a set or with synchronous action

Thanks to the additional RSE card the barriers can be installed facing each other or be synchronised with the "compass" function at the same access point.



Global entry control

The Gard series automatic barrier system can be connected to many of the Came access control systems that allow identification, memorization, and entry and exit only to authorized personnel. The equipment can also be integrated with a global access control system for specific departments in a company or the services offered by a collective structure and apartment blocks.



Automatic
road barriers
for passages
of up to
6.5 m / 22 ft



Gard

Specifically made automation systems for selecting street access points.

Gard quick barriers are the ideal solution for selecting access points in residential and industrial areas, even when traffic volumes are high. Gard does not need prior fitting and is easily installed in any context.



CAME



The 230V electronics

The G2500 model's electronics provide optimal control of the bar's movement, providing speed of opening and closing.

- > **Just 2 seconds to clear the passage effectively**
even during high-frequency use.
- > **Auto-memorises the radio code**
from the transmitter to the receiver.
- > **Can work in maintained action mode**
as required by current standards.

The advantages of 24 V barriers

Streets, parking areas, collective areas or simply specific functional and security needs of the system can call for the use of a Gard system with 24 V technology.

> **Frequent blackouts**

The electronics of a Gard 24 V system automatically recognizes a lack of power and activates emergency mode with special batteries.

> **Keep speed in check**

For total service, the 24 V electronics enables the operating speed to be adjusted depending on whether the situation requires faster or slower openings and closings.

> **Intensive use**

The low-voltage motor ensures operation of the barrier for intensive traffic conditions, such as streets, parking areas and other areas entailing constant, intensive operation.

> **Obstacle detection**

A special electronic circuit constantly analyses the proper functioning of the bar, allowing for their total stop, or inversion of movement, when coming into contact with any obstacles.



Even matched in 'slave' mode.

Through an apposite plug on the control panel, the G3750 - G3751 - G6500 G6501 models can be matched to thus control the actions of two paired automation systems.

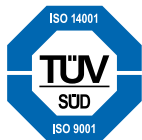


Global entry control

The Gard series automatic barrier system can be connected to many of the Came access control systems that allow identification, memorization, and entry and exit only to authorized personnel. The equipment can also be integrated with a global access control system for specific departments in a company or the services offered by a collective structure or apartment blocks.



Made in Italy



For its quality processes management Came Cancelli Automatici is ISO 9001:2000 certified, and for its environmental management it is ISO 14001 certified. Came designs and manufactures entirely in Italy.



The range

Road barrier with 230 V AC operator and control panel

G2500 Barrier in galvanised and painted steel.

Road barriers with 24 V DC operator and control panel

- G3750** Galvanised and painted steel barrier fitted to take additional accessories.
- G3751** AISI 304 stainless steel barrier with satin finish fitted to take additional accessories.
- G6500** Galvanised and painted steel barrier fitted to take additional accessories.
- G6501** AISI 304 stainless steel barrier with satin finish fitted to take additional accessories.

Accessories for road barrier with 230 V AC operator

- G0251** White painted aluminium boom. Section: 60 x 40 x 2700 mm / 2.36 x 1.57 x 106.29 in.
- G0461** Package of n. 24 red adhesive refracting strips.
- G0257** Joint for boom.
- G0462** Fixed support for booms.

Accessories for: G3750 - G3751

- G03750** White painted semi-elliptic tubular aluminium boom L = 4 m / 13.12 ft, with slot-cover and shock-resistant profile.
- G0402** White painted tubular aluminium boom Ø 60 mm / 2.36 in L = 4,200 mm / 165.35 in.

Accessories for: G03750

- G03756** Inner reinforcement support for semi-elliptic tubular aluminium boom.
- G03755DX** Joint for semi-elliptic tubular aluminium boom. For right-hand barrier.
- G03755SX** Joint for semi-elliptic tubular aluminium boom. For right-left barrier.

Accessories for: 001G6500 - 001G6501

- G0602** White painted tubular bar Ø 100 mm / 3.93 in L = 6.85 m / 22.47 ft.
- G06850** White painted tubular bar Ø 100 mm / 3.93 in L = 6.85 m / 22.47 ft with slot cover and impact-resistant profile.

Accessories for: 001G03750 - 001G068

- G028401** Luminous cord for booms.
- G028402** Luminous cord cable.

Accessories for: 001G3750 - 001G3751 - 001G6500 - 001G6501

- LB38** Card for connecting n. 3 12 V - 7 Ah emergency batteries.

Accessories for balancing

- G02040** Balancing spring Ø 40 mm / 1.57 in.
- G04060** Balancing spring Ø 50 mm / 1.96 in.
- G06080** Balancing spring Ø 55 mm / 2.16 in.

Accessories

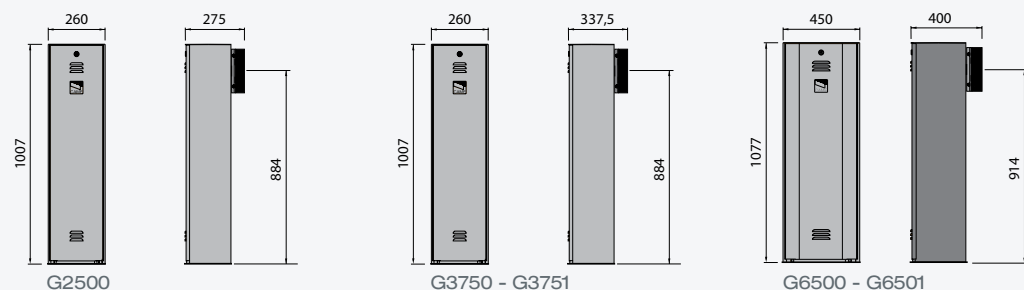
- G0465** Painted aluminium rack for booms (2 m / 6.56 ft modules).
- G02807** Fixed support for booms..
- G02808** Mobile support for booms.
- G02809** Package of n. 20 red adhesive refracting strips.
- G0468** Support for applying 001DELTA-I and 001DELTA-SI photocells on the cabinet.
- G04601** Adapter for application of the Kiaro series flashing lights (it matches the KIAROS support).

Technical features

Type	G2500	G3750 - G3751	G6500 - G6501
Protection rating	IP54	IP54	IP54
Power supply (V - 50/60Hz)	230 AC	230 AC	230 AC
Motor power supply (V)	230 AC 50/60Hz	24 DC	24 DC
Current draw (A)	1	15 Max	15 Max
Power (W)	120	300	300
Duty cycle (%)	30	INTENSIVE USE	INTENSIVE USE
Torque (Nm)	70	200	600
Opening time 90° (s)	2	2 ÷ 6	4 ÷ 8
Motor's thermo-protection (°C/°F)	150 / 302	-	-
Operating temperature (°C/°F)		-20 - +55 / -4 - +131	

● 230V AC ● 24V DC

Dimensions



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The models

110V/230V barriers

- G2081** Automatic barrier in zinc plated or coated steel with 110V/230V AC gearmotor complete with casing and control board transformer
- G2081I** Automatic barrier in brushed AISI 304 stainless steel with 110V/230V AC gearmotor complete with casing and control board transformer

110V/230V electronics

- ZG5** Extra electronic board designed with a socket for CAME radio cards
- ZG6** Basic electronic card for designed with a socket for CAME radio cards

24V barriers

- G2080** Automatic barrier in zinc plated or coated steel with 24V DC gearmotor complete with casing and control board transformer
- G2080I** Automatic barrier in brushed AISI 304 stainless steel with 110V/230V AC gearmotor complete with casing and control board transformer

24V electronics

- ZL38** Electronic card designed with a socket for CAME radio cards

Automatic street barriers for passage of widths up to 7.6 m / 24.9 ft

PRODUCTS



Technical information:

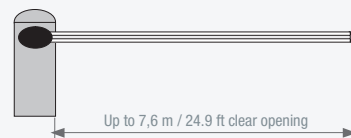
110V/230V

Type	G2081 / G2081I
Protection level	IP54
Power supply	110V/230V AC
Motor power supply	110V/230V AC
Power	330W
Rated current	2.8 A
Reduction ratio	1/202
Motor torque	250 Nm
Opening time	8 sec
Operating intermittence	30%
Operating temperature	-20°C ÷ +55°C

24V

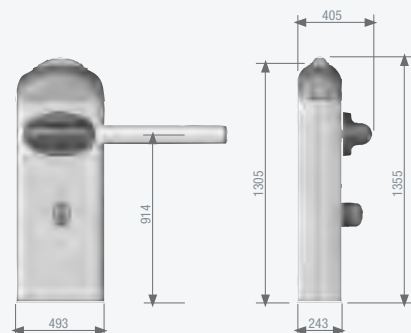
Type	G2080 / G2080I
Protection level	IP54
Power supply	110V/230V AC
Motor power supply	24V DC
Power	300W
Maximum absorption	1.3A(110V/230V) 15A(24V)
Reduction ratio	1/202
Motor torque	600 Nm
Opening time	4÷8 sec
Operating intermittence:	intensive operation
Operating temperature	-20°C ÷ +55°C

General product information:



Composition of the bar	Width of passage
Simple bar	7.6 m / 24.9 ft
Bar with moveable base	7 m / 23 ft
Bar with lighted cord	7.6 m / 24.9 ft
Bar with lighted cord and moveable base	7 m / 23 ft
Bar with rack	7 m / 23 ft
Bar with rack + lighted cord	7 m / 23 ft

Overall dimension



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new GARD 8

A new concept of automatic barrier

Innovation and design for all-inclusive security: these are the most recent additions to the GARD barrier line family. Soft contours and rounded corners to counteract the "sail effect" for a barrier that incorporates perfectly into a diversity of installation settings.



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GARD8

Automatic street barriers

Designed for a range of large openings up to 7,6 m / 24.9 ft, the new GARD barrier are the ideal solution for control of roads and parking areas for industrial and public use.

The GARD series is available in the 110V/230V AC motor and the 24V DC motor versions

The new series offers many new features, all marked by innovation.

A blend of design and modern technology of illumination: the exclusive incorporated flashing lamp with a lighted LED diffuser needs no special maintenance and ensures complete visibility of the warning light.

The protective guard on the bar is a standard feature to protect the user from possible risk when the bar is in rotation.

Integration and modularity: photoelectric cells and command selectors are integrated with the automation, in perfect visual harmony.

Command electronics: protected by a die-cast aluminium guard, it is positioned to make any type of intervention extremely practical.

Safe and secure intervention: an electronic contact automatically interrupts the power supply voltage as soon as the inspection door is opened.

Differentiated sensitivity spring: for exceptional balancing of the bar.

Round tubular bar: for maximum reduction of the sail effect ensuring correct functioning even in areas subject to high winds.

Intermittent lighted cable cord: superior visibility of the arm and maximum durability of the light fixtures.

Electronics

The GARD series barriers are constructed with next-generation electronic controls that guarantee total control of the automatic system, improving and increasing the usual safety and control functions, such as:

- > **comprehensive AUTOTEST** of all the safety devices connected to the system prior to activating the motor (electronic autotest).
- > **electronic control of the movement** of the bar with obstruction detection (anti-crushing function).
- > **a safety feature even with the bar is stationary:** all controls are invalidated if an obstruction is detected by the safety devices.

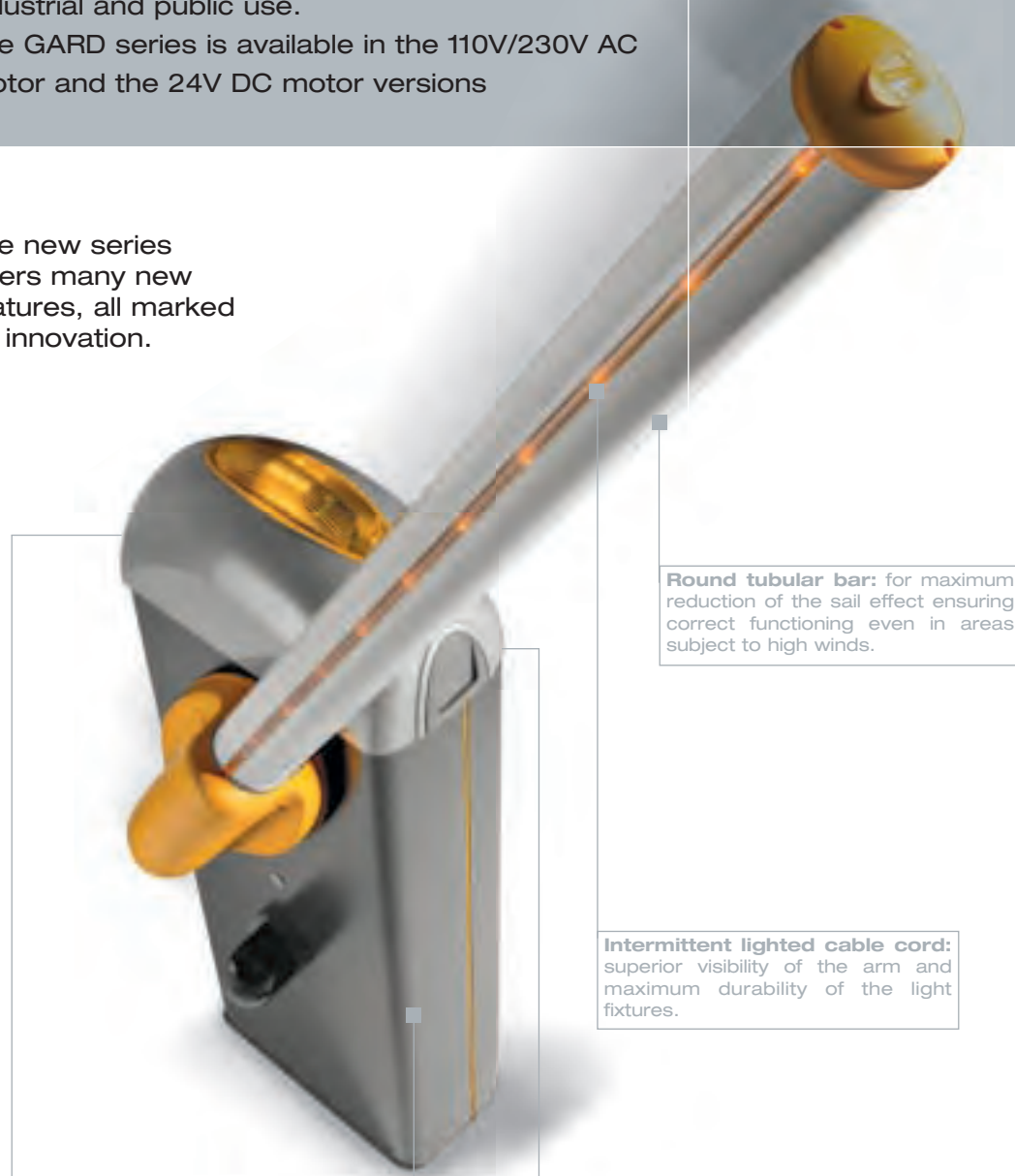
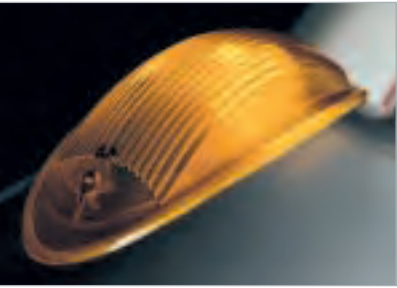
24V barriers

Streets, parking areas, collective areas or simply specific functional and security needs of the system can call for the use of a GARD system with 24V technology.

- Frequent black outs** > The electronics of a GARD24 system automatically recognize a lack of power and activate emergency operation with special buffer batteries.
- Intensive traffic** > The low-voltage motor ensures operation of the barrier for intensive traffic conditions, such as streets, parking areas and other areas entailing constant, intensive operation.
- Rapid transit** > The 24V technology regulates the barrier opening time between 8 and 4 seconds.

Global entry control

The GARD series automatic barrier system can be connected to many of the CAME access control systems that allow identification, memorization, and entry and exit only to authorized personnel. The equipment can also be integrated with a global access control system for specific departments in a company or the services offered by a collective or condominium structure.



Automatic
road barriers
for passages
of up to 12 m
40 ft

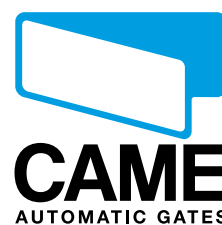


Gard12



The barrier for large clearance passageways

Gard12 is a truly unique automation system. A special version which operates a bar up to 12m long to manage special passage ways such as in industrial loading bays, materials receiving and highways.



Gard12

The barrier for those special passageways

Gard12 is a specifically engineered operator for large clearance industrial passageways. A tube bar of different sections, lets a 12 m / 40 ft passageway be opened and closed in just 10 seconds, as it is often required in loading and unloading situations.



Double motor, double lasting power.

Gard12 is equipped with nothing other than 2 operators, which are installed along the same axis and provide remarkable torque.



Counterweighted balancing.

This ensures safe and reliable motion of the bar, even when used frequently.



Integration and modularity.

A special automation system which perfectly integrates with all the Came command and safety accessories.

An unrivaled system

Balanced by counterweights.

Adjustable by way of steel modules that can be added or removed depending on the length of the bar.

Modular tube bar.

The rounded section, with its differentiated diameters allows for easy carrying and reduced wind resistance.



Always safe.

An electronic contact automatically cuts off the power supply each time the inspection door is opened.

Command electronics.

It is located in an easy-to-reach position to aid scheduled maintenance operation and it is protected from environmental agents.

Global access control.

Every Came automatic barrier, can be connected to the series of different access control systems which enable to identify, memorise, and clear the entry or exit of authorised personnel only. The system can thus be integrated with a more extensive access control system – like, for example with different company departments or with any service offered by large structures or apartment blocks

The 24V electronics

The Gard12 new generation electronics provide for total control of the system, improving the usual command and safety functions:

> **Obstacle detection**

A special electronic circuit constantly analyses the proper functioning of the barrier, and will either stop or invert the mode, if it comes into contact with any obstacles.

> **Delayed motion during opening or closing**

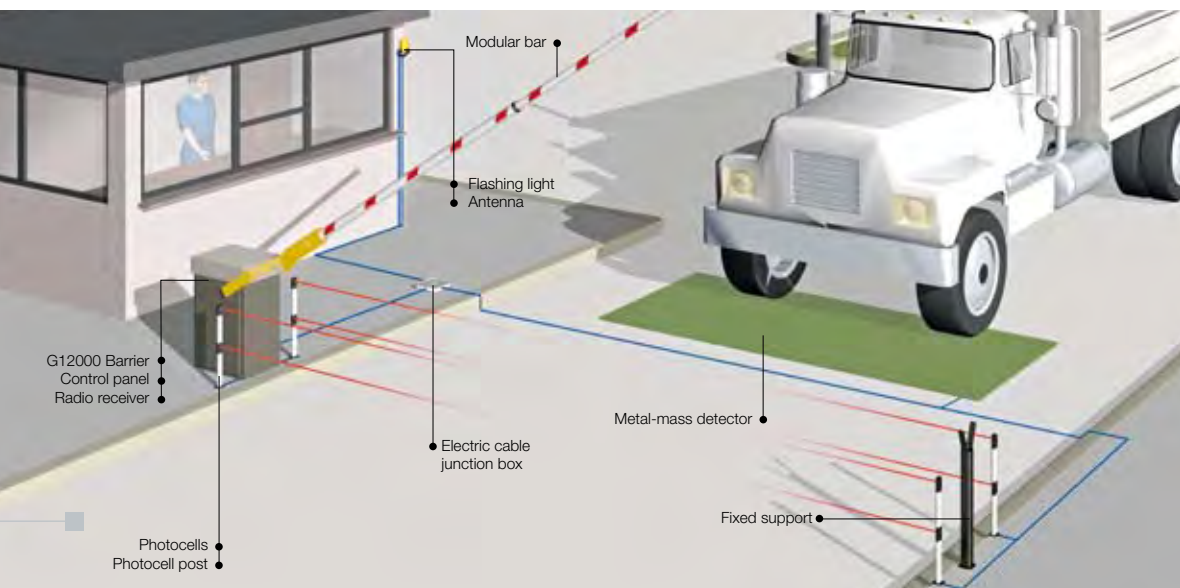
The electronics featured in G12000 can slow down the bar in the final stages of opening or closing - making the closing of the barrier safer.

> **Blackouts no more**

The 24V Gard12 automatically detects any interruption in the power source and immediately activates the emergency mode through the auxiliary batteries.



Standard installation



Made in Italy



For its quality processes management Came Cancelli Automatici is ISO 9001:2000 certified, and for its environmental management it is ISO 14001 certified. Came designs and manufactures entirely in Italy.

The range

Barrier with 24V D.C. operators
G12000 White painted galvanized steel barrier complete with control panel.

Accessories

G0121 White painted tubular bar composed of:
n. 1 fixed support
n. 1 tubular bar L = 6,200 mm ϕ = 120 mm / 244 in = ϕ 4.72 in.
n. 1 tubular bar L = 6,000 mm ϕ = 120 mm / 236 in = ϕ 4.72 in.
n. 1 accessory kit for bar extension.

G0461 Red adhesive refracting strips for bars (24-pieces package)
LB38 Card for connecting n. 3 12V-7Ah emergency batteries.

Technical features

Type	G12000
Protection rating	IP54
Power supply (V) (50/60Hz)	230 A.C.
Motor power supply (V)	24 D.C.
Current draw (A)	15 max
Power (W)	300
Manoeuvre speed 90° (s)	10
Duty cycle (%)	50
Torque (Nm)	600
Operating temperature (°C/°F)	-20 - +55 / -4 - +131

120V A.C. - 60 Hz PRODUCTS, PLEASE CHECK OUR PRICE LIST

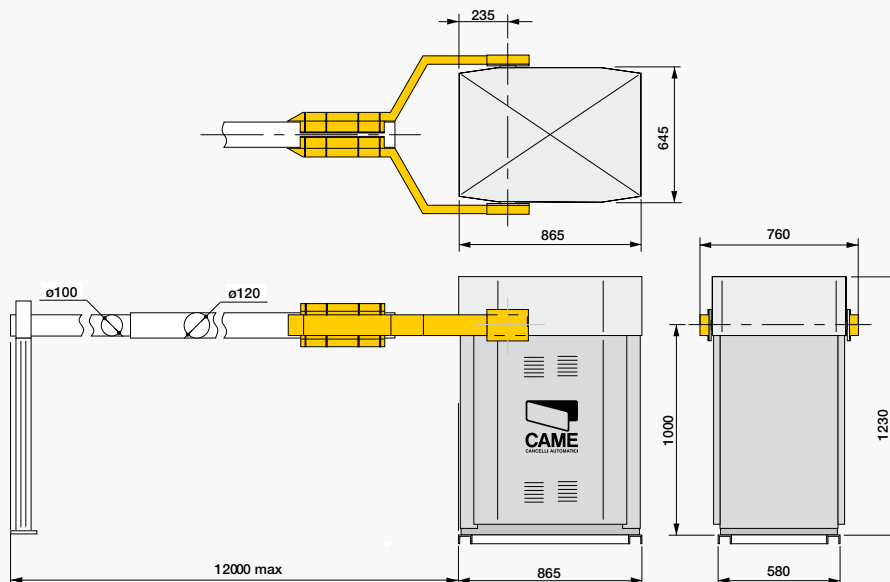
● 24V D.C.

Limits to use

Model	G12000
Max width of passage clearance (m / ft)	12 / 40

● 24V D.C.

Dimensions



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Came
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The data and information shown in this catalogue are subject to change without the obligation to give prior notice by Came cancelli automatici S.p.A.