Automation for:
ROAD BARRIERS

Index

CAME

Your selection guide

Road barriers

The table summarises both the series and models with their maximum limits of use, based on the max width of the barrier's passage clearance.

Series	Model	Max width of passage clearance (m/ft)
Gard	G2500	2.5/8.2
	G3750	3.75/12.30
	G3751	
Gard 4	G4040Z	
	G4040IZ	
Gard	G6500	6.5/22
	G6501	
Gard 8	G2080Z	7,6/25
	G2080IZ	
Gard 12	G12000	12/40

● 230 V AC - ● 24 V DC INTENSIVE USE

The 24 V DC versions are specifically designed for intensive use and are guaranteed to work even during blackouts.

Road barriers

Single Barrier
FOR RESIDENTIAL USE

To manage small apartment block parking lots with a small number of vehicle transit.
Series: Gard - Gard 4

Single or double barrier
FOR INTENSIVE USE

To manage intensively used parking lots such as in companies.
Series: Gard - Gard 4 - Gard 8

Barrier
FOR PAY-TO-PARK FACILITIES

A simple, practical solution to manage pay-to-park facilities.
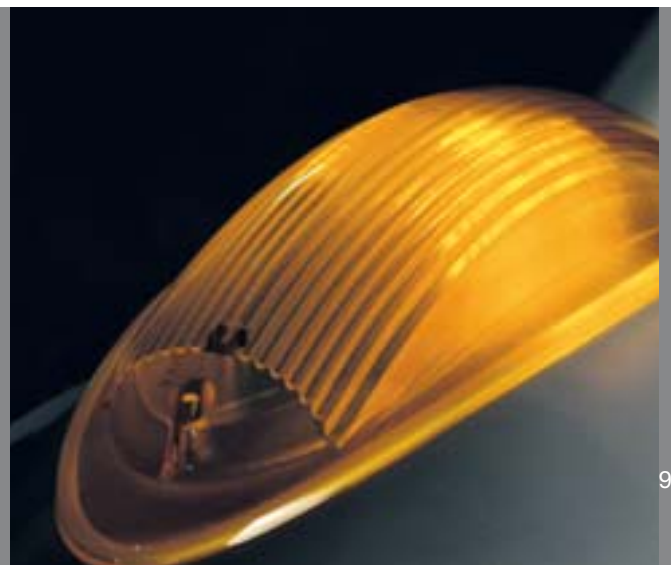Series: Gard

Barrier for LARGE PASSAGEWAYS

To manage passages used by exceptional vehicles.
Series: Gard 12

The flashing light:
for added safety

The Gard 4 and Gard 8 barriers are designed to take the dome
flashing light which warns when the boom is in movement, thus
guaranteeing greater safety for those using the passageway.
The Gard series barriers are made to fit the Kiaro series flashing
light.

European Norms

An example of a European Regulation-compliant standard installation

Installation:
ON PUBLIC PREMISES
The system is installed in a public area or bordering with a public area.

User Type:
TRAINED
The system is activated only by users trained to use the automation.

Standard command type:
RADIO COMMAND
It allows the system control either by remote or fixed device impulses.

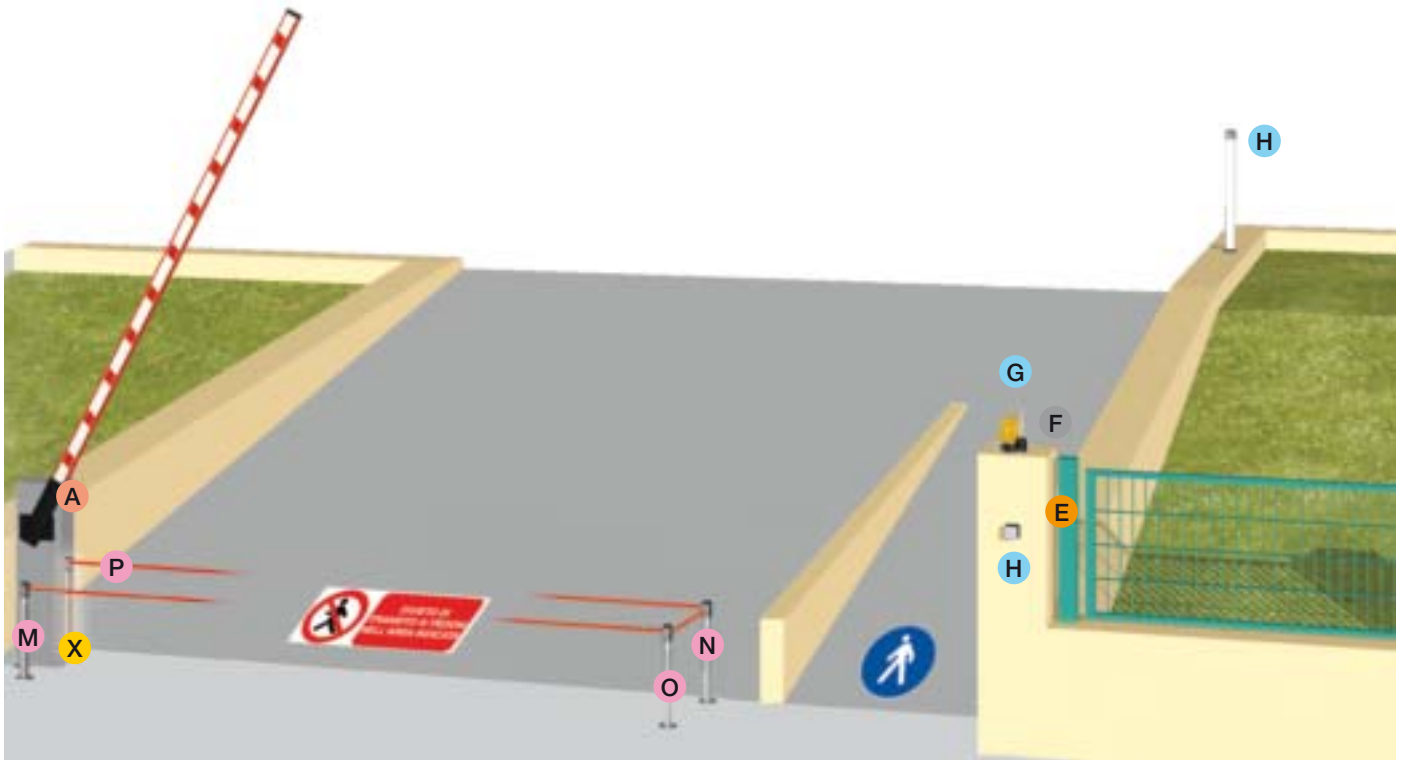### Solutions for a safe installation:
INFRARED-BEAM PHOTOCELLS
The photocells can be installed directly onto the barrier cabinet.

The pedestrian passage

If the barrier is exclusively meant for vehicle transit control, any pedestrian transit must take place in a separately indicated area. However, Came offers a wide range of safety devices that guarantee peace-of-mind when using the installation even in case unauthorised pedestrians go through the area in which the boom is in movement.

RESIDENTIAL use

The products

A Barrier

F Flashing light

G Antenna

H Command switch

   (key – code – card or transponder keyfob)

M TX cordless photocells

N TX/RX cordless photocells or TX photocells

O RX/TX cordless photocells or RX photocells

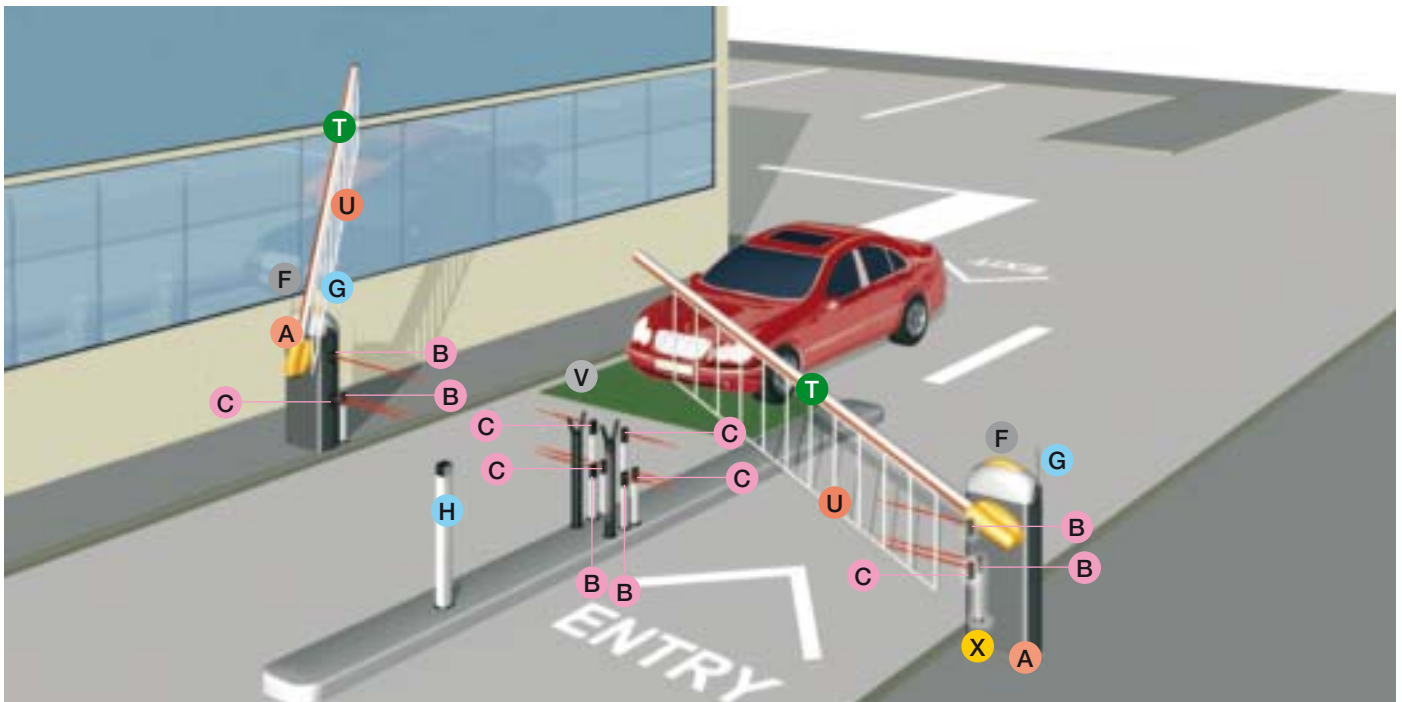**P** RX cordless photocells

X Radio receiver

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 ÷ 20 m / 32.80 ÷ 65.62 ft	20 ÷ 30 m / 65.62 ÷ 98.42 ft
230 V AC power supply	3G x 1.5 mm² / 3G x AWG14	3G x 1.5 mm² / 3G x AWG14	3G x 2.5 mm² / 3G x AWG12
230 V AC motor power supply	3G x 1.5 mm² / 3G x AWG14	3G x 1.5 mm² / 3G x AWG14	3G x 2.5 mm² / 3G x AWG12
24 V DC motor power supply	2G x 1.5 mm² / 2G x AWG14	2G x 1.5 mm² / 2G x AWG14	2G x 2.5 mm² / 2G x AWG12
Endstop microswitches	*n° x 0.5 mm² / n. x AWG20	*n x 0.5 mm² / n. X AWG20	*n x 0.5 mm² / n. X AWG20
24 V AC - DC and 25 W flashing light	2 x 1 mm² / 2 x AWG16	2 x 1 mm² / 2 x AWG16	2 x 1 mm² / 2 x AWG16
230 V AC and 25 W flashing light	2 x 1.5 mm² / 2 x AWG14	2 x 1.5 mm² / 2 x AWG14	2 x 1.5 mm² / 2 x AWG14
TX photocells	2 x 0.5 mm² / 2 x AWG20	2 x 0.5 mm² / 2 x AWG20	2 x 0.5 mm² / 2 x AWG20
RX photocells	4 x 0.5 mm² / 4 x AWG20	4 x 0.5 mm² / 4 x AWG20	4 x 0.5 mm² / 4 x AWG20
Command devices	*n° x 0.5 mm² / n. x AWG20	*n° x 0.5 mm² / n. x AWG20	*n° x 0.5 mm² / n. x AWG20
Antenna		RG58 10 m max / 32.8 ft	

*n° = see product assembly instructions - **Warning**: the cable section is merely indicative and may vary depending on the motor power and cable length.
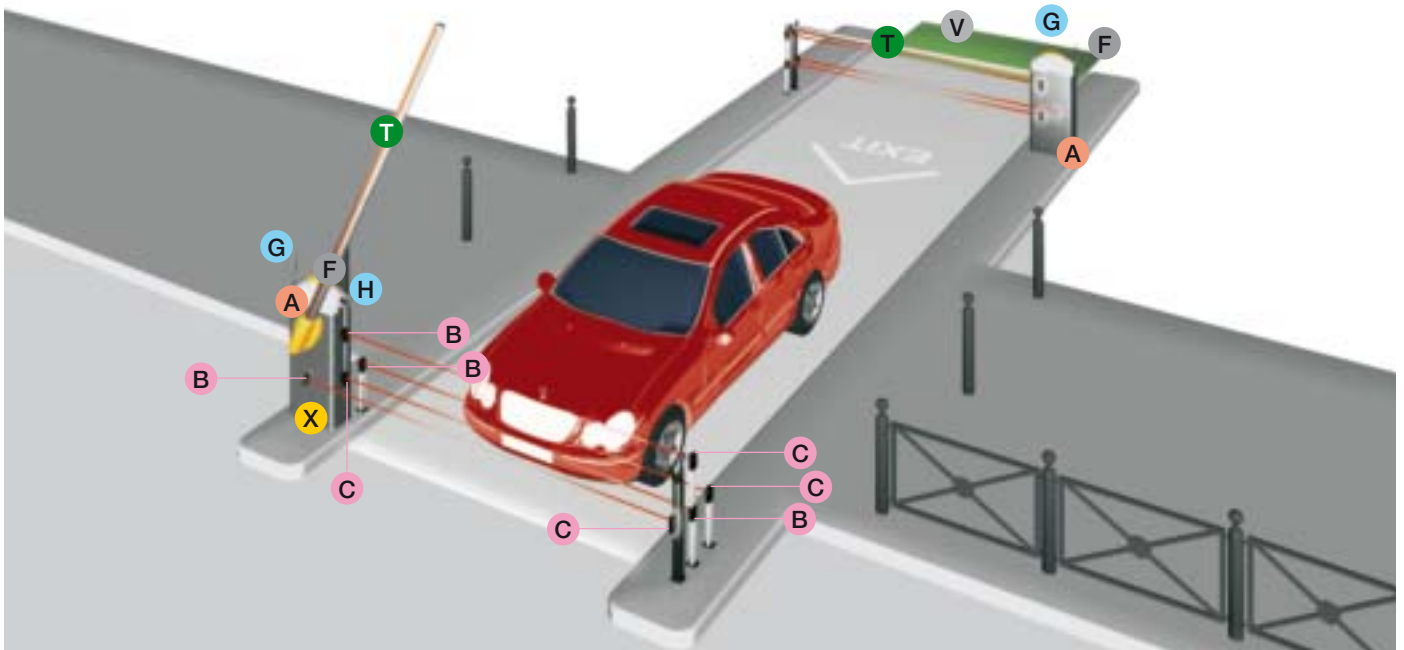
INTENSIVE use

The products

A Barrier
B TX photocells
C RX photocells
F Flashing light
G Antenna
H Command switch
   (key – code – card or transponder keyfob).

T Boom with luminous cord
X Radio receiver
U Rack
V Metal mass detection sensor

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 ÷ 20 m / 32.80 ÷ 65.62 ft	20 ÷ 30 m / 65.62 ÷ 98.42 ft
230 V AC power supply	3G x 1.5 mm² / 3G x AWG14	3G x 1.5 mm² / 3G x AWG14	3G x 2.5 mm² / 3G x AWG12
230 V AC motor power supply	3G x 1.5 mm² / 3G x AWG14	3G x 1.5 mm² / 3G x AWG14	3G x 2.5 mm² / 3G x AWG12
24 V DC motor power supply	2G x 1.5 mm² / 2G x AWG14	2G x 1.5 mm² / 2G x AWG14	2G x 2.5 mm² / 2G x AWG12
Endstop microswitches	*n° x 0.5 mm² / n. x AWG20	*n x 0.5 mm² / n. X AWG20	*n x 0.5 mm² / n. X AWG20
24 V AC - DC and 25 W flashing light	2 x 1 mm² / 2 x AWG16	2 x 1 mm² / 2 x AWG16	2 x 1 mm² / 2 x AWG16
230 V AC and 25 W flashing light	2 x 1.5 mm² / 2 x AWG14	2 x 1.5 mm² / 2 x AWG14	2 x 1.5 mm² / 2 x AWG14
TX photocells	2 x 0.5 mm² / 2 x AWG20	2 x 0.5 mm² / 2 x AWG20	2 x 0.5 mm² / 2 x AWG20
RX photocells	4 x 0.5 mm² / 4 x AWG20	4 x 0.5 mm² / 4 x AWG20	4 x 0.5 mm² / 4 x AWG20
Command devices	*n° x 0.5 mm² / n. x AWG20	*n° x 0.5 mm² / n. x AWG20	*n° x 0.5 mm² / n. x AWG20
Antenna	RG58 10 m max / 32.8 ft		

*n° = see product assembly instructions - **Warning**: the cable section is merely indicative and may vary depending on the motor power and cable length.

PARKING FACILITY use

The products

A Barrier

B TX photocells

C RX photocells

F Flashing light

G Antenna

H Command switch

(key – code – card or transponder keyfob).

T Boom with luminous cord

X Radio receiver

V Metal mass detection sensor

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 ÷ 20 m / 32.80 ÷ 65.62 ft	20 ÷ 30 m / 65.62 ÷ 98.42 ft
230 V AC power supply	3G x 1.5 mm² / 3G x AWG14	3G x 1.5 mm² / 3G x AWG14	3G x 2.5 mm² / 3G x AWG12
230 V AC motor power supply	3G x 1.5 mm² / 3G x AWG14	3G x 1.5 mm² / 3G x AWG14	3G x 2.5 mm² / 3G x AWG12
24 V DC motor power supply	2G x 1.5 mm² / 2G x AWG14	2G x 1.5 mm² / 2G x AWG14	2G x 2.5 mm² / 2G x AWG12
Endstop microswitches	*n° x 0.5 mm² / n. x AWG20	*n x 0.5 mm² / n. x AWG20	*n x 0.5 mm² / n. X AWG20
24 V AC - DC and 25 W flashing light	2 x 1 mm² / 2 x AWG16	2 x 1 mm² / 2 x AWG16	2 x 1 mm² / 2 x AWG16
230 V AC and 25 W flashing light	2 x 1.5 mm² / 2 x AWG14	2 x 1.5 mm² / 2 x AWG14	2 x 1.5 mm² / 2 x AWG14
TX photocells	2 x 0.5 mm² / 2 x AWG20	2 x 0.5 mm² / 2 x AWG20	2 x 0.5 mm² / 2 x AWG20
RX photocells	4 x 0.5 mm² / 4 x AWG20	4 x 0.5 mm² / 4 x AWG20	4 x 0.5 mm² / 4 x AWG20
Command devices	*n° x 0.5 mm² / n. x AWG20	*n° x 0.5 mm² / n. x AWG20	*n° x 0.5 mm² / n. x AWG20
Antenna	RG58 10 m max / 32.8 ft		

*n° = see product assembly instructions - **Warning**: the cable section is merely indicative and may vary depending on the motor power and cable length.
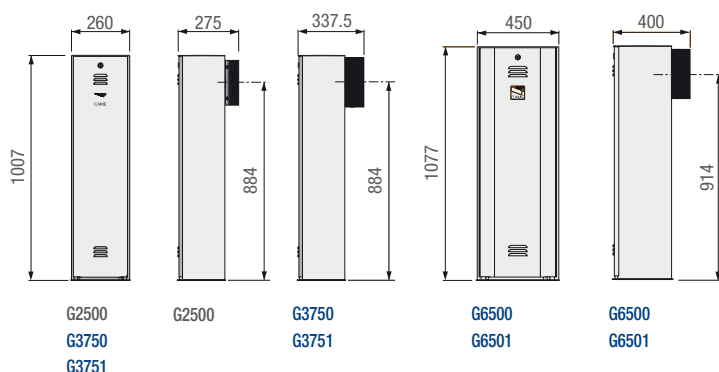
Gard

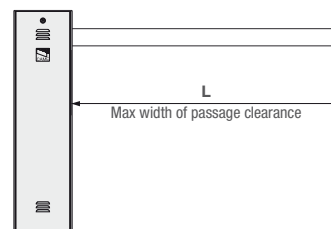**Passage clearance of up to 6.5 m / 21.30 ft**

The ideal solution for medium-to-large transit in apartment blocks and industrial facilities

- Ideal for both private and public parking facilities.
- The model for passageways of up to 2.5 m / 8.20 ft (001G2500) is available in 230 V AC, while the models for passageways of up to 3.75 m / 12.30 ft (001G3750 e 001G3751) and up to 6.5 m / 21.32 ft (001G6500 e 001G6501) are in 24 V DC. Also available is the AISI 304 steel version.
- They can be installed either right or left and mounting the barriers is very simple, practical and quick.
- Depending on customer needs, there is a truly complete range of system-customisation accessories and such a choice of safety accessories to provide total peace of mind for the user.
- The special joint-arm means the barrier can be installed even when height/clearance is an issue, like in underground parking facilities.

Dimensions (mm)

260	275	337.5	450	400
1007	884	884	1077	914
G2500 G3750 G3751	G2500	G3750 G3751	G6500 G6501	G6500 G6501

Application

L
Max width of passage clearance

Limits to use

MODEL	G6500 - G6501	G3750 - G3751	G2500
Max width of passage clearance (m/ft)	6.5/21.30	3.75/12.30	2.5/8.2

● 230 V AC ● 24 V DC

Technical features

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

● 230 V AC ● 24 V DC

The complete range max width of passage clearance 2.5 m /8.2 ft

CAME

Code	Description
	230 V AC barrier with operator and built-in control panel
001**G2500**	Barrier in galvanised and painted steel.
	Accessories for: 001G2500
001**G0251**	White painted aluminium boom. Section: 60 x 40 x 2700 mm / 2.36 x 1.57 x 106.29 in.
001**G0461**	Package of n. 24 red adhesive refracting strips.
001**G0257**	Joint for boom.
001**G0462**	Fixed support for booms.

The complete range — max width of passage clearance 3.75 - 6.5 m / 12 - 22 ft

CAME

Code	Description
24 V DC barriers with operator and built-in control panel	
001**G3750**	Galvanised and painted steel barrier fitted to take additional accessories.
001**G3751**	AISI 304 stainless steel barrier with satin finish fitted to take additional accessories.
Accessories for: 001G3750 - 001G3751	
001**G03750**	White painted semi-elliptic tubular aluminium boom L = 4 m / 13.12 ft, with slot-cover and shock-resistant profile.
001**G0402**	White painted tubular aluminium boom Ø 60 mm / 2.36 in L = 4,200 mm / 165.35 in.
Accessories for: 001G03750	
001**G03756**	Inner reinforcement support for semi-elliptic tubular aluminium boom.
001**G03755DX**	Joint for semi-elliptic tubular aluminium boom. For right-hand barrier.
001**G03755SX**	Joint for semi-elliptic tubular aluminium boom. For right-left barrier.
24 V DC barriers with operator and built-in control panel	
001**G6500**	Galvanised and painted steel barrier fitted to take additional accessories.
001**G6501**	AISI 304 stainless steel barrier with satin finish fitted to take additional accessories.
Accessories for: 001G6500 - 001G6501	
001**G0602**	White painted tubular bar Ø 100 mm / 3.93 in L = 6.85 m / 22.47 ft.
001**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.

Boom assembly and balancing springs for 001G3750 - 001G3751

🟡 001G02040 Ø 40 mm / 1.57 in springs - 🟢 001G04060 Ø 50 mm / 1.96 in springs - 🔴 001G06080 Ø 55 mm / 2.16 in springs

BOOM COMPOSITION	PASSAGE WIDTH (m/ft)									
	1,5/4.92	1,75/5.74	2/6.56	2,25/7.38	2,5/8.20	2,75/9.02	3/9.84	3,25/10.66	3,5/11.48	3,75/12.30
Boom and shock-resistant profile	🟡	🟡	🟡	🟡	🟡	🟢	🟢	🟢	🔴	🔴
Boom with shock-resistant profile and luminous cord 001G28401	🟡	🟡	🟡	🟢	🟢	🟢	🟢	🟢	🔴	🔴
Boom with rack 001G0465	🟡	🟢	🟢	🟢	🟢	🟢	🔴	🔴		
Boom with luminous cord 001G28401 and rack 001G0465	🟡	🟢	🟢	🟢	🟢	🟢	🔴	🔴		
Boom with shock-resistant profile and mobile support 001G02808	🟡	🟢	🟢	🟢	🟢	🟢	🔴			
Boom with shock-resistant profile, luminous cord 001G28401 and mobile support 001G02808	🟡	🟢	🟢	🟢	🟢	🟢	🔴			

Boom assembly and balancing springs for 001G6500 - 001G6501

🟡 001G02040 Ø 40 mm / 1.57 in springs - 🟢 001G04060 Ø 50 mm / 1.96 in springs - 🔴 001G06080 Ø 55 mm / 2.16 in springs

BOOM COMPOSITION	PASSAGE WIDTH (m/ft)								
	2/6.56	2,5/8.20	3/9.84	3,5/11.48	4/13.12	4,5/14.76	5/16.40	5,5/18.04	6,5/21.30
Simple boom	🟡	🟡	🟡	🟡🟡	🟢	🟡🟢	🟡🟢	🟢🟢	🟢🟢
Simple boom and mobile support 001G02808	🟡	🟡	🟡🟢	🟡🟢	🟡🟢	🟡🟢	🟢🟢	🟢🟢	🟢🟢
Simple boom and luminous cord 001G28401	🟡	🟡	🟡🟢	🟡🟢	🟡🟢	🟡🟢	🟡🟢	🟢🟢	🟢🟢
Simple boom, mobile support 001G02808 and luminous cord 001G28401	🟡	🟡🟢	🟡🟢	🟢	🟡🟢	🟡🟢	🟡🟢	🔴🔴	🔴🔴
Simple boom and rack 001G0465	🟡	🟡	🟡🟢	🟡🟢	🟡🟢	🟢🟢	🟢🟢	🔴🔴	🔴🔴
Simple boom, rack 01G0465 and luminous cord 001G28401	🟡	🟡🟢	🟡🟢	🟡🟢	🟡🟢	🟢🟢	🟢🟢	🔴🔴	🔴🔴

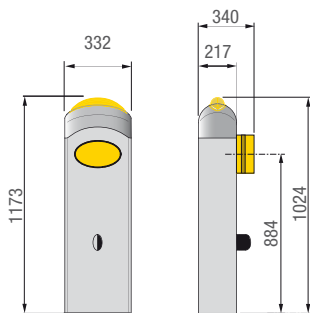| Code	Description
	Accessories for: 001G03750 - 001G06850
001**G028401**	Luminous cord for booms.
001**G028402**	Luminous cord cable.
	Accessories for: 001G3750 - 001G3751 - 001G6500 - 001G6501
002**LB38**	Card for connecting n. 3 12 V - 7 Ah emergency batteries.
	Accessories for balancing (see BOOM ASSEMBLY AND BALANCING SPRINGS table)
001**G02040**	Balancing spring Ø 40 mm / 1.57 in.
001**G04060**	Balancing spring Ø 50 mm / 1.96 in.
001**G06080**	Balancing spring Ø 55 mm / 2.16 in.
	Accessories
001**G0465**	Painted aluminium rack for booms (2 m / 6.56 ft modules).
001**G02807**	Fixed support for booms.
001**G02808**	Mobile support for booms.
001**G02809**	Package of n. 20 red adhesive refracting strips.
001**G0468**	Support for applying 001DELTA-I and 001DELTA-SI photocells on the cabinet.
001**G04601**	Adapter for application of the Kiaro series flashing lights (it matches the KIAROS support).

Gard 4

Passage clearance of up to 3.75 m / 12.30 ft

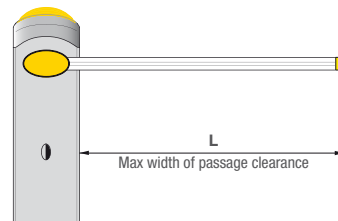## The ideal solution for intensive or vehicle transit

- A modern style barrier, with perfect aesthetics. Suited to any applicative setting.
- The LED dome-shaped flashing light, that provides long-lasting safety and durability, and the photocells that can be integrated into the cabinet.
- The protective casing shields the boom movement from shearing when opening and closing.
- Powered by 24 V DC, it is the ideal choice for intensive duty.

Dimensions (mm)

Application

Max width of passage clearance

Limits to use

MODEL	G4040Z - G4040IZ
Max width of passage clearance (m/ft)	3.75/12.30

● 24 V DC

Technical features

Type	G4040Z - G4040IZ
Protection rating IP	IP54
Power supply (V - 50/60 Hz)	230 AC
Motor power supply (V - 50/60 Hz)	24 DC
Current draw (A)	15 MAX
Power (W)	300
90° opening time° (s)	2 ÷ 6
Duty cycle (%)	INTENSIVE USE
Torque (Nm)	200
Operating temperature (°C/°F)	-20 ÷ +55/-4 ÷ +131
Motor thermo protection (°C/°F)	-

● 24 V DC

The complete range

Code	Description
24 V DC barriers with operator and built-in control panel	
001**G4040Z**	Galvanised and painted steel barrier fitted to take additional accessories.
001**G4040IZ**	AISI 304 stainless steel barrier with satin finish fitted to take additional accessories.
Accessories for: 001G4040Z - 001G4041Z	
002**LB38**	Card for connecting n. 3 12 V - 7 Ah emergency batteries.

The jointed ARM

The special accessory for semi-elliptic tubular booms means you can install the Came barrier even when ceiling heights are too low for straight-boom barriers, such as in underground parking facilities.

In stainless STEEL

The Gard 4 barrier is also available in AISI 304 steel suitable for installation in harsh environments.

Easy MAINTENANCE

The control panel is located horizontally, atop the cabinet. So, it's easy to get to, making scheduled maintenance simple and quick.
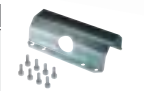
Boom assembly and balancing springs

MODEL	● 001G02040 Ø 40 mm / 1.57 in springs - ● 001G04060 Ø 50 mm / 1.96 in springs - ● 001G06080 Ø 55 mm / 2.16 in springs									
	PASSAGE WIDTH (m/ft)									
BOOM COMPOSITION	1,5/4.92	1,75/5.74	2/6.56	2,25/7.38	2,5/8.20	2,75/9.02	3/9.84	3,25/10.66	3,5/11.48	3,75/12.30
Boom and shock-resistant profile	● yellow	● yellow	● yellow	● yellow	● yellow	● green	● green	● green	● red	● red
Boom with shock-resistant profile and luminous cord 001G28401	● yellow	● yellow	● yellow	● green	● green	● green	● green	● green	● red	● red
Boom with rack 001G0465	● yellow	● green	● green	● green	● green	● green	● red	● red		
Boom with luminous cord 001G28401 and rack 001G0465	● yellow	● green	● green	● green	● green	● green	● red	● red		
Boom with shock-resistant profile and mobile support 001G02808	● yellow	● green	● green	● green	● green	● green	● red			
Boom with shock-resistant profile, luminous cord 001G28401 and mobile support 001G02808	● yellow	● green	● green	● green	● green	● green	● red			

The complete range

Code	Description
	Accessories for balancing (see BOOM ASSEMBLY AND BALANCING SPRINGS table)
001**G02040**	Balancing spring Ø 40 mm / 1.57 in.
001**G04060**	Balancing spring Ø 50 mm / 1.96 in.
001**G06080**	Balancing spring Ø 55 mm / 2.16 in.
	Accessories
001**G02801**	Dome-shaped flashing light.
001**G02802**	Support for series Dir photocells.
001**G03751**	Emergency battery rack.
001**G03750**	White painted semi-elliptic tubular aluminium boom with slot cover and impact-resistant profiles. L = 4 m / 13.12 ft.
001**G03752**	White painted elliptic tubular aluminium boom with slot cover profile L = 4 m / 13.12 ft.
001**G028401**	Luminous cord for booms.
001**G028402**	Luminous cord cable.
001**G0465**	Painted aluminium rack for boom (2 m / 6.56 ft modules).
001**G02807**	Fixed support for booms.
001**G02808**	Mobile support for booms.
001**G02809**	Package of n. 20 red adhesive refracting strips.
	Accessories for: 001G03750
001**G03756**	Inner reinforcement support for semi-elliptic tubular aluminium boom.
001**G03755DX**	Joint for semi-elliptic tubular aluminium boom. For right-hand barrier.
001**G03755SX**	Joint for semi-elliptic tubular aluminium boom. For right-left barrier.
	Accessories for: 001G03752
001**G03753**	Securing flange for elliptic tubular boom.

WARNING: RESPECT THE LIMITS OF USE DETAILED IN THE CATALOGUE
001G02802 Not usable with barriers featuring booms fitted with the 001G0465 aluminium rack or 001G02808 mobile support.
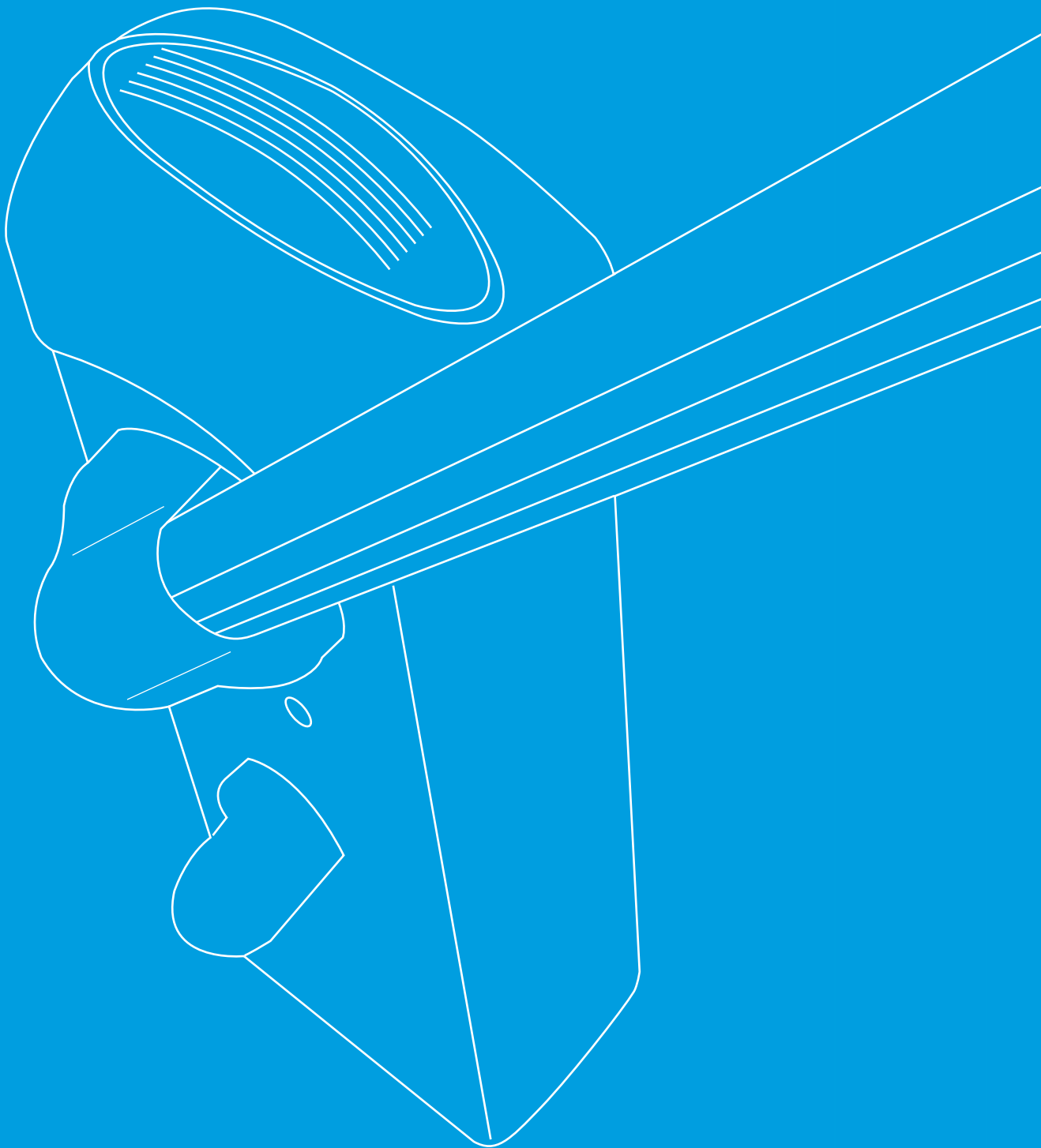001G02808 MUST be used on barrier booms with passage clearance widths of up to 3 m maximum.
001G03756 MUST be used on barrier booms with passage clearance widths greater than 3 m, fitted with the 001G28401 luminous cord.
　　　　　　MUST be used on barrier booms with passage clearance widths greater than 2.5 m, fitted with the 001G02808 mobile support or with the 001G0465 aluminium rack.
001G02807 MUST be used on barrier booms with passage clearance widths greater than 3 m.
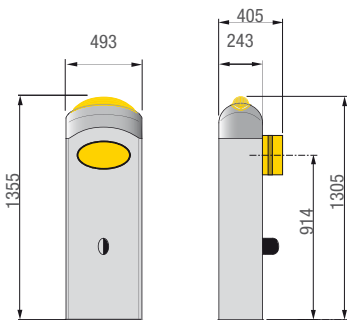001G0465 - 001G02808 They cannot be used together.

Gard 8

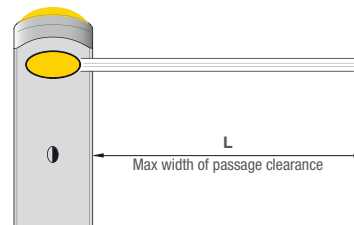## Passage clearance of 7.6 m / 25 ft

The ideal solution for large passageways in apartment blocks and industrial facilities

- This barrier is both modern and aesthetically pleasing.
- The LED dome-shaped flashing light - that provides long-lasting safety and durability - and the photocells that can be integrated into the cabinet.
- The protective casing shields the boom's movement from shearing when opening and closing.
- Powered by 24 V DC, it is the ideal choice for intensive duty.

Dimensions (mm)

Application

Max width of passage clearance

Limits to use

MODEL	G2080Z - G2080IZ
Max width of passage clearance (m/ft)	7.6/25

● 24 V DC

Technical features

Type	G2080Z - G2080IZ
Protection rating IP	IP54
Power supply (V - 50/60 Hz)	230 AC
Motor power supply (V - 50/60 Hz)	24 DC
Current draw (A)	15 MAX
Power (W)	300
90° opening time° (s)	4 ÷ 8
Duty cycle (%)	INTENSIVE USE
Torque (Nm)	600
Operating temperature (°C/°F)	-20 ÷ +55/-4 ÷ +131
Motor thermo protection (°C/°F)	-

● 24 V DC

The complete range

CAME

Code	Description
24 V DC barriers with operator and built-in control panel	
001**G2080Z**	Galvanised and painted steel barrier fitted to take additional accessories.
001**G2080IZ**	AISI 304 stainless steel barrier with satin finish fitted to take additional accessories.
Accessories for: 001G4040Z - 001G4041Z	
002**LB38**	Card for connecting n. 3 12 V - 7 Ah emergency batteries.

The break-away
BARRIER BOOM
This accessory allows the barrier boom to detach in case it is accidentally bumped into.

In stainless
STEEL
The Gard 8 barrier is also available in AISI 304 steel suitable for installation in harsh environments.

Easy
MAINTENANCE
The control panel is located horizontally, atop the cabinet. So, it's easy to get to, making scheduled maintenance simple and quick.

Boom assembly and balancing springs

MODEL	● 001G02040 Ø 40 mm / 1.57 in springs - ● 001G04060 Ø 50 mm / 1.96 in springs - ● 001G06080 Ø 55 mm / 2.16 in springs										
	PASSAGE WIDTH (m/ft)										
BOOM COMPOSITION	2/6.56	2,5/8.20	3/9.84	3,5/11.48	4/13.12	4,5/14.76	5/16.40	5,5/18.04	6,5/21.30	7/22.96	7,6/24.93
Simple boom	●	●	●	●●	●	●●	●●	●●	●●	●●	●●
Simple boom and mobile support 001G02808	●	●	●●	●●	●●	●●	●●	●●	●●	●●	
Simple boom and luminous cord 001G28401	●	●	●●	●●	●●	●●	●●	●●	●●	●●	●●
Simple boom, mobile support 001G02808 and luminous cord 001G28401	●	●●	●●	●	●●	●●	●●	●●	●●	●●	
Simple boom and rack 001G0465	●	●	●●	●●	●●	●●	●●	●●	●●	●●	
Simple boom, rack 01G0465 and luminous cord 001G28401	●	●●	●●	●●	●●	●●	●●	●●	●●		

The complete range

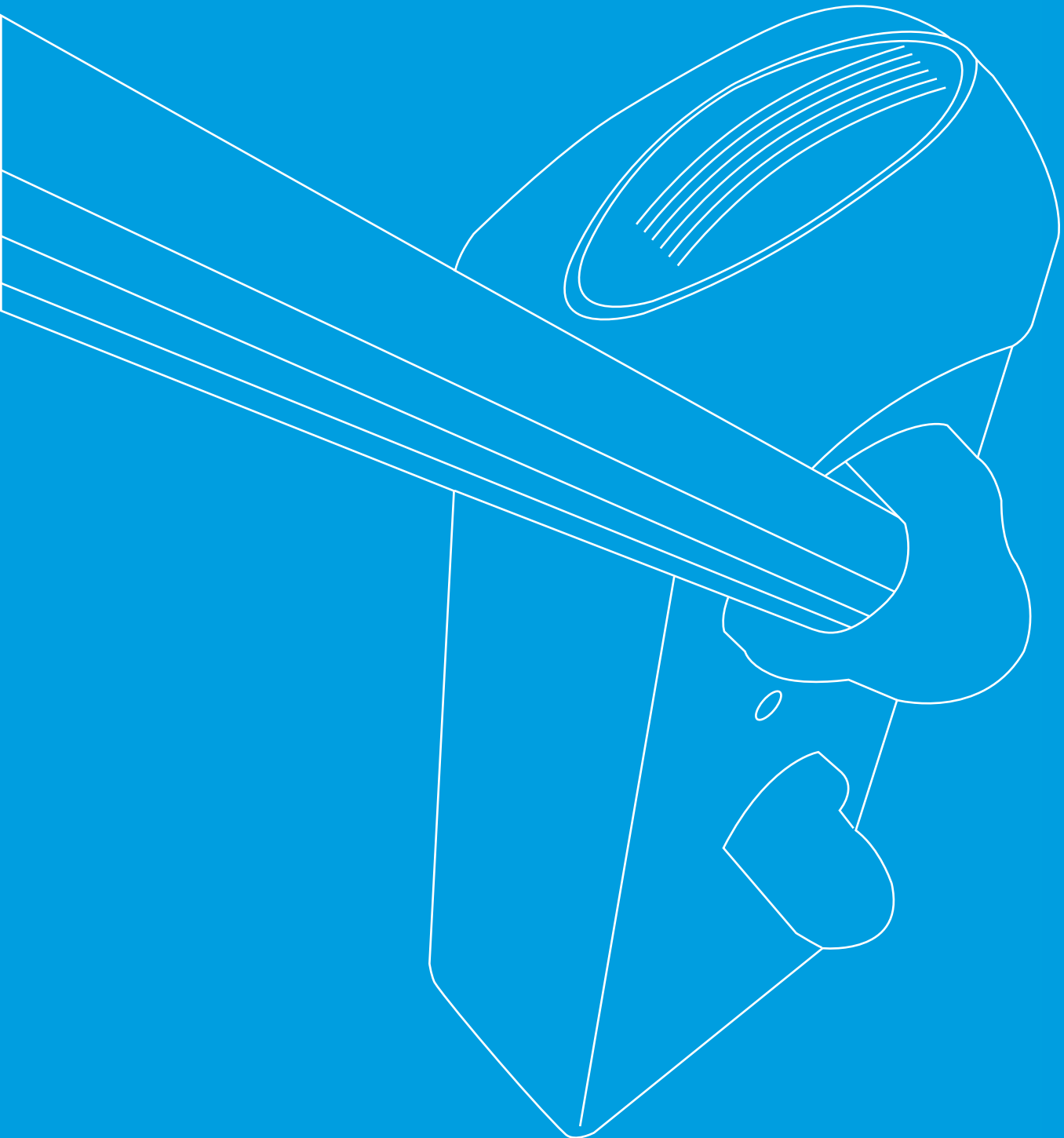| Code	Description
	Accessories for balancing (see BOOM ASSEMBLY AND BALANCING SPRINGS table)
001**G02040**	Balancing spring Ø 40 mm / 1.57 in.
001**G04060**	Balancing spring Ø 50 mm / 1.96 in.
001**G06080**	Balancing spring Ø 55 mm / 2.16 in.
	Accessories
001**G02801**	Dome-shaped flashing light.
001**G02802**	Support for series Dir photocells.
001**G02805**	Emergency battery rack.
001**G02000**	White painted aluminium tubular boom Ø 100 mm / 3.93 in complete with slot cover profile L = 2 m / 6.56 ft.
001**G04000**	White painted aluminium tubular boom Ø 100 mm / 3.93 in complete with slot cover profile L = 4 m / 13.12 ft.
001**G06000**	White painted aluminium tubular boom Ø 100 mm / 3.93 in complete with slot cover profile L = 6 m / 19.68 ft.
001**G06803**	Boom joint complete with internal reinforcement.
001**G028401**	Luminous cord for booms.
001**G028402**	Luminous cord cable.
001**G0465**	Painted aluminium rack for boom (2 m / 6.56 ft modules).
001**G02807**	Fixed support for booms.
001**G02808**	Mobile support for booms.
001**G02809**	Package of n. 20 red adhesive refracting strips.
001**G028011**	Break-away boom fitting.
	Accessories for: 001G06000
001**G06802**	Internal reinforcement for tube booms applied to barriers with passage widths greater than 4 m.

WARNING: RESPECT THE LIMITS OF USE DETAILED IN THE CATALOGUE
001G02802 Not usable with barriers featuring booms fitted with the 001G0465 aluminium rack or 001G02808 mobile support.
001G02808 MUST be used on barrier booms with passage clearance widths of up to 7 m maximum.
001G02807 MUST be used on barrier booms with passage clearance widths greater than 7 m.
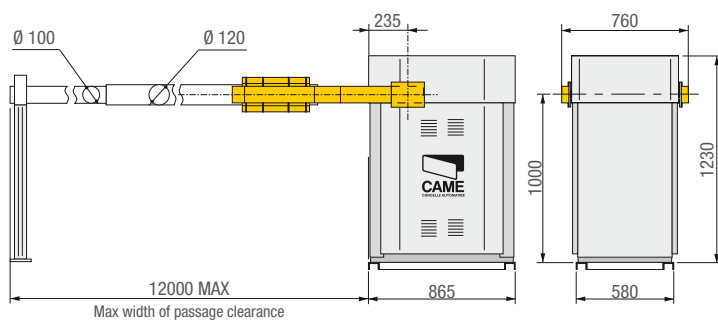001G0465 - 001G02808 They cannot be used together.

Gard 12

Clearance of 12 m / 40 ft

The ideal solution for exceptional passageways

- The barrier that handles very wide large passage ways.
- Two gearmotors installed in the cabinet and mounted on the same axis provide greater torque.
- The movement of the barrier boom is smooth, safe and reliable thanks to a special modular counter-weighted balancing system that is based on the length of the barrier boom.
- A high-end range of command and safety accessories for a 100% complete installation.
- Powered by 24 V DC, it is the ideal choice for intensive duty.

Dimensions (mm / in)

Ø 100   Ø 120   235   760   1000   1230   12000 MAX   865   580

Max width of passage clearance

Limits to use

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

● 24 V DC

Technical features

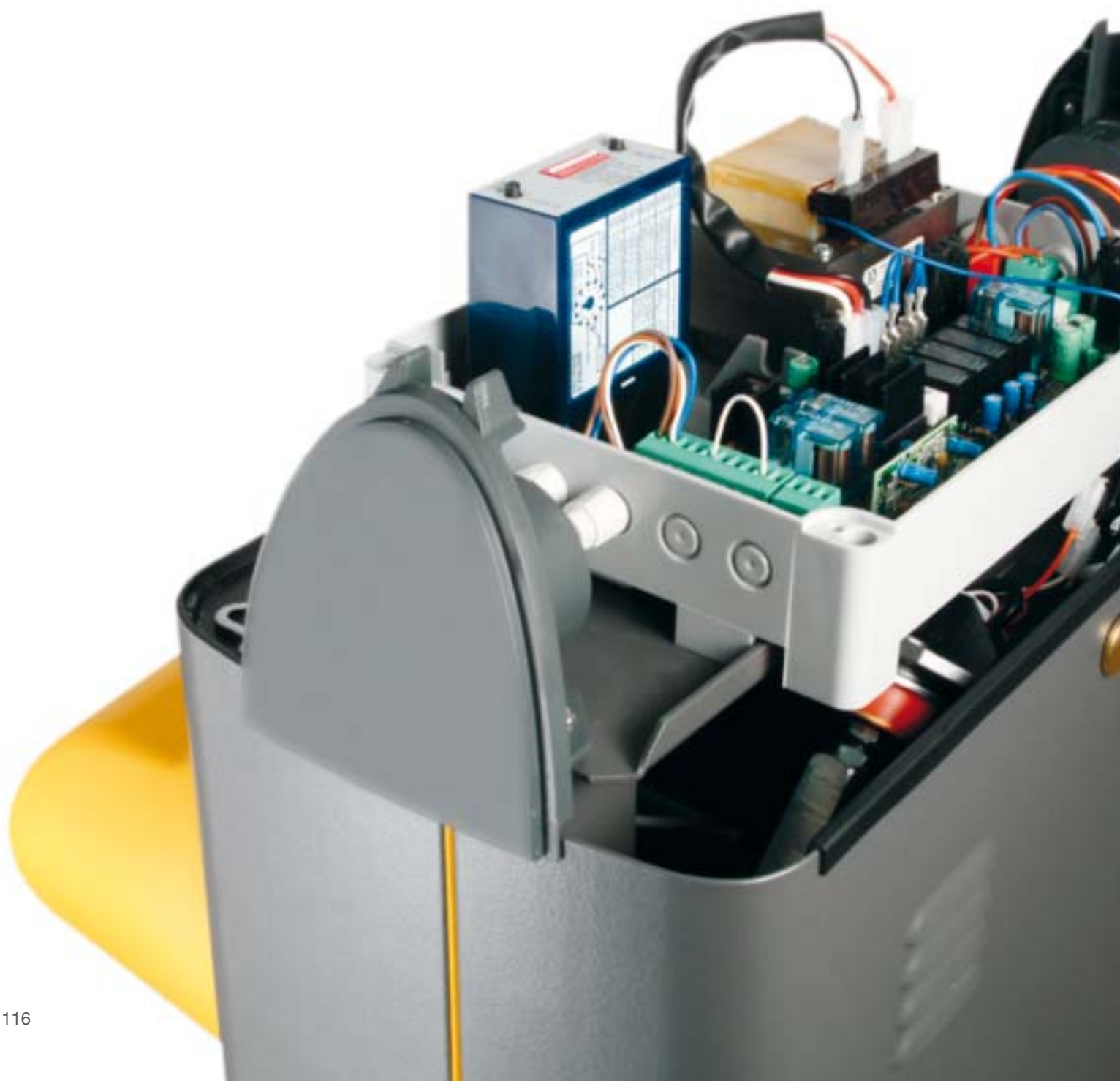| Type	G12000
Protection rating IP	IP54
Power supply (V - 50/60 Hz)	230 AC
Motor power supply (V - 50/60 Hz)	24 DC
Current draw (A)	15 MAX
Power (W)	300
90° opening time° (s)	10
Duty cycle (%)	50
Torque (Nm)	600
Operating temperature (°C/°F)	-20 ÷ +55/-4 ÷ +131
Motor thermo protection (°C/°F)	-

● 24 V DC

The complete range

Code	Description
	Barrier with 24 V DC operators and built-in control panel
001**G12000**	Barrier in galvanised and painted steel.
24	
	Accessories for: 001G12000
002**LB38**	Card for connecting n. 3 12 V - 7 Ah emergency batteries.
24	
	Accessories
001**G0121**	White painted tubular boom composed of:
	n. 1 fixed support
	n. 1 tubular boom L = 6200 mm Ø = 120 mm / L = 20.34 ft Ø = 4.72 in
	n. 1 tubular boom L = 6000 mm Ø = 100 mm / L = 19.68 ft Ø = 3.94 in
	n. 1 accessory kit for boom extension.
001**G02809**	Package of n. 24 red adhesive refracting strips.

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Electronic functions

The table shows all of the characteristics of the road-barrier dedicated control panels.
Those highlighted in bold are important when choosing which automation to install and should be considered from the start.

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The models

Series	G2500	G3750 G3751	G6500 G6501	G4040Z G4040IZ G2080Z G2080IZ	G12000
Type	ZC5	ZL38	ZL38	ZL38	ZL37B

SAFETY

SELF-DIAGNOSIS of safety devices					
Opening and closing PRE-FLASHING		●	●	●	●
RE-OPENING during closing	●	●	●	●	●
RE-CLOSING during opening					
Obstacle STALL					
TOTAL STOP	●	●	●	●	●
PARTIAL STOP					
OBSTACLE DETECTION in front of photocells		●	●	●	●
ENCODER					
MOVEMENT CONTROL and OBSTACLE DETECTION device					
AMPEROMETRIC DETECTION		●	●	●	●

COMMAND

1 leaf PEDESTRIAN OPENING					
1 leaf PARTIAL OPENING					
OPEN ONLY from the transmitter and/or the button		●	●	●	●
OPEN ONLY or CLOSE ONLY button connection	●	●	●	●	●
OPEN-STOP-CLOSE-STOP from the transmitter and/or the button					
OPEN-CLOSE-REVERSE from the transmitter and/or the button	●	●	●	●	●
MAINTAINED ACTION	●	●	●	●	●
1st leaf DELAYED OPENING					
2nd LEAF DELAYED CLOSING					
IMMEDIATE CLOSING		●	●	●	●
EMERGENCY RELEASE from the transmitter					

FEATURES AND ADJUSTMENTS

FLASHING LIGHT connection	●	●	●	●	●
CYCLE LAMP connection					
COURTESY LAMP connection					
Antenna	●	●	●	●	●
OPEN WARNING LIGHT connection	●	●	●	●	●
CLOSE WARNING LIGHT connection	●				
Contact output for 2nd RADIO CHANNEL					
RUNNING TIME adjustment	●				
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●	●	●
ELECTRO-LOCK/ELECTRO-RELEASE and/or RAM BLOW connection					
Adjustable AUTOMATIC RE-CLOSING TIME	●	●	●	●	●
OPENING and/or CLOSING slow-down		●	●	●	
EMERGENCY BATTERY operation (option)		●	●	●	●
MASTER-SLAVE		●	●	●	
Adjustable RUNNING and SLOW-DOWN SPEED		●	●	●	●
Signalling DISPLAY					
Electronic BRAKE		●	●	●	
Opening and closing endstop SELF-LEARNING					

● 230 V AC - ● 24 V DC INTENSIVE USE