



VEHICLE & PEDESTRIAN CONTROL BROCHURE

PROTECTING PEOPLE & PLACES SINCE 1987



WHO ARE COVA SECURITY GATES?

SOME OF OUR UK TEAM...



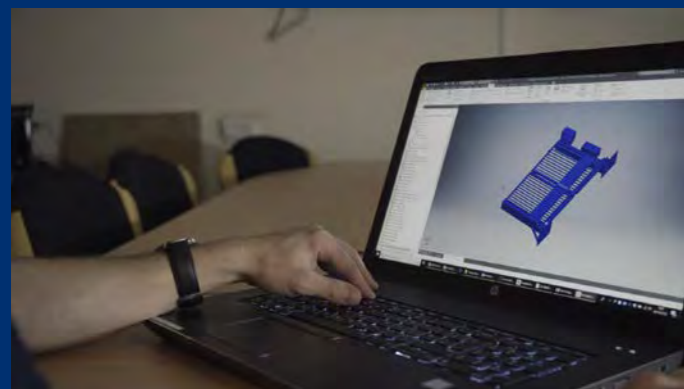
We are a leading manufacturer of high-quality perimeter security equipment, supplying the luxury domestic, commercial, industrial, and high security markets with tailored product solutions.

From our UK headquarters, Cova Security Gates design and manufacture trackless and tracked bi-folding gates, cantilevered sliding gates, shallow and full depth road blockers, static and rising bollards, boom and swing gate barriers, and pedestrian gates.

Celebrating 35 years of innovation we have shaped our business to provide valued clients a complete turnkey solution through the design, manufacture and installation of our perimeter security products, here in the UK and across the world.

Our commitment to our clients extends well beyond the initial purchase as we offer a range of after sales service and maintenance packages to suit your needs, maximising return on investment.

DESIGN



Our experienced team of mechanical and electrical design engineers work closely with our clients, to deliver the project to the bespoke site-specification required.

MANUFACTURE



Our skilled manufacturing team weld, fabricate, build and assemble our bespoke products specifically to the project design, inline with the client specifications.

INSTALLATION



We deliver, install, and commission our products for operation, to suit site conditions wherever the site is located in the world.

MAINTENANCE



No-one knows our gates better than we do, which is why we also offer breakdown repair, maintenance, remote technical support and spare part services.

OUR MISSION, VALUES & OBJECTIVES

Cova Security Gates Ltd was setup by two engineers in 1987, driven by their belief that they could offer a better solution to protect people and places.

Our headquarters, located in Crawley, serves as a hub for our UK and global operations, and we also foster strategic partnerships to enhance our reach and capabilities. We employ qualified professionals, sponsor training from apprenticeships to degree courses and offer a range of quality products and services. Our business adheres rigorously to our ISO 9001 quality management process. This standardised framework ensures that we maintain stringent quality control throughout our operations, promoting consistency, customer satisfaction, and continual improvement in all aspects of our business operation.

OUR MISSION

- To protect people and places.
- To enable our customers to safely protect their people and property from terrorist or criminal attack by providing thoughtful and well designed products properly installed and maintained, to ensure they do not fail at a critical time.

OUR VALUES

- Professional - Knowledgeable trained people, experts in their chosen field, continuous development of our staff.
- Innovative - Encourage and nurture creativity throughout the business, to develop engineered products and services.
- Creative - Delivering bespoke solutions.
- Excellence - Focused attention to detail.
- Relevance - Thinking of tomorrow's threats today.

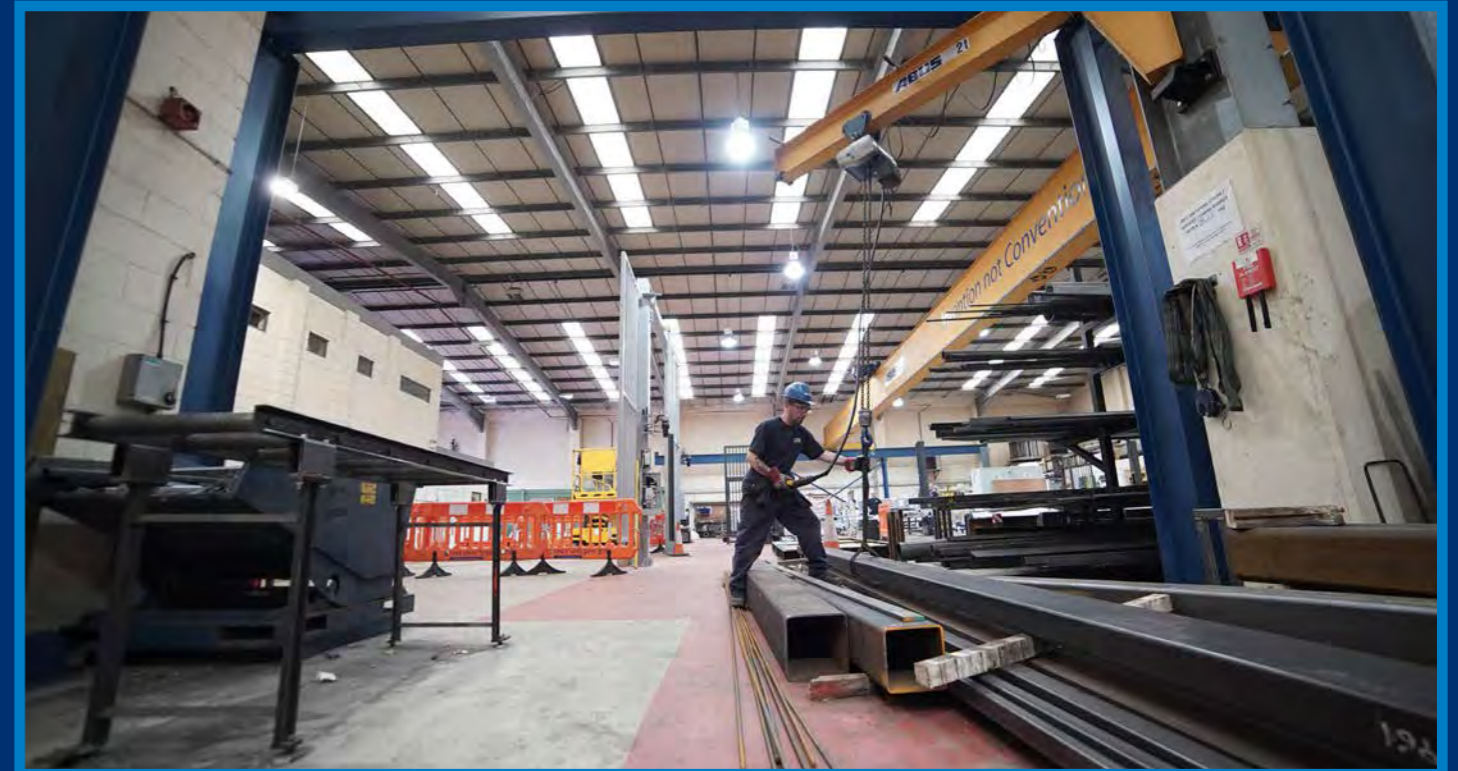
OUR OBJECTIVES

- Identify and understand customer needs to meet and exceed their expectations with the appropriate measures necessary for success.
- Access identified markets through effective sales channels.
- Attract, retain and motivate high quality staff.
- Focus on continual improvement.
- Develop flexible and integrated products to handle future growth.

This brochure highlights our range of standard products for vehicle and pedestrian perimeter security, in which we protect commercial property and high profile buildings globally.

All of these products can be complimented with our PAS 68 and IWA 14-1 compliant 'crash rated' range of products which have been specifically designed, developed and tested to prevent vehicles from being used as a weapon.

See our Hostile Vehicle Mitigation Brochure for more detail on these products.



CSG 10103

Cantilevered Sliding Gate

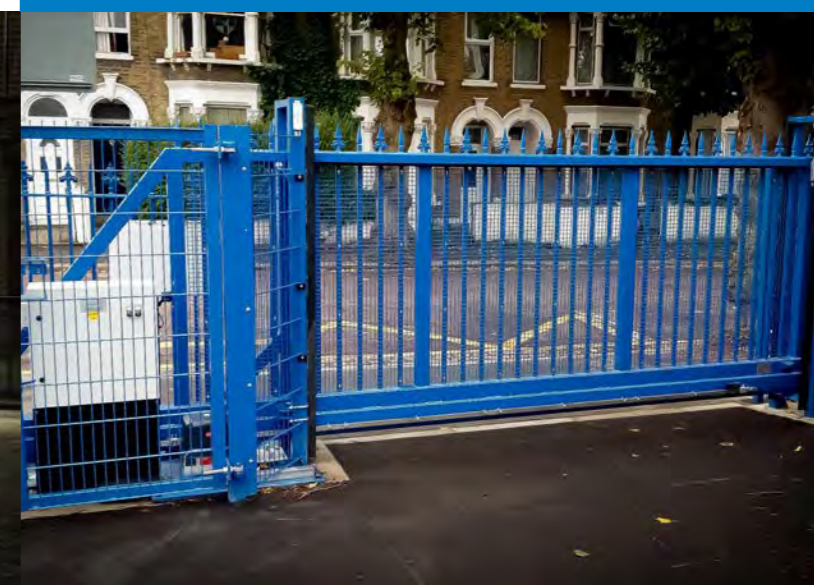
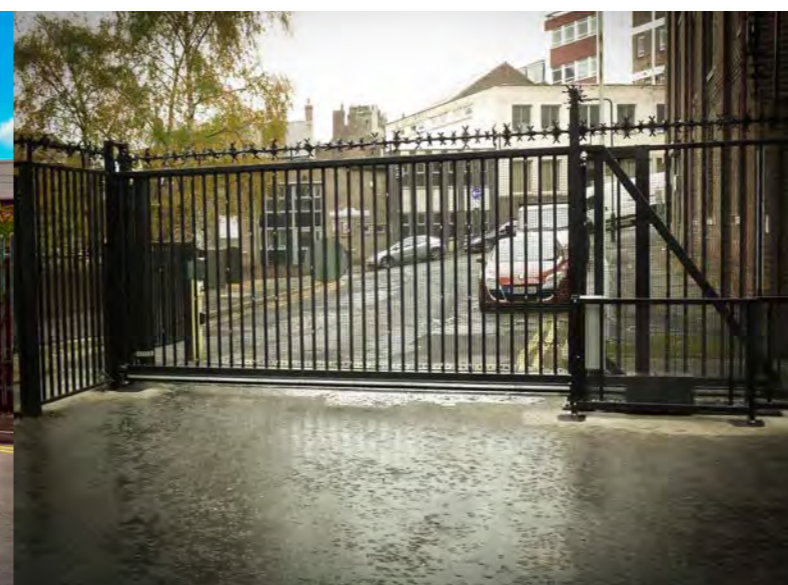
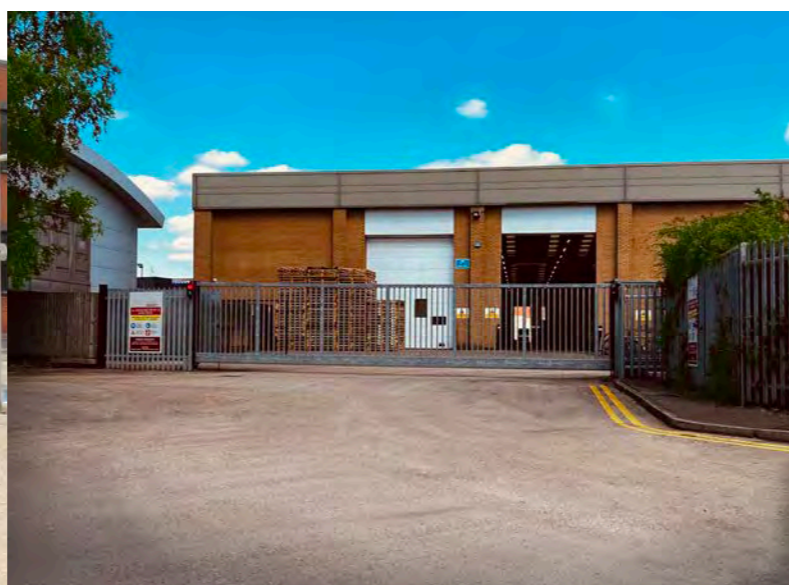


PRODUCT OVERVIEW

The CSG 10103 is a versatile surface fixed cantilevered sliding gate, designed to be installed in all types of industrial and commercial applications.

The CSG 10103 can be supplied in a range of widths and heights to suit varying site requirements. Infill options include standard vertical bars, palisade and weld mesh.

This product is constructed from regular steel sections, rather than large and unsightly heavyweight materials.



DIMENSIONS

Gate can be supplied to suit a maximum opening of 10,000mm. Height of gate to suit fence line: standard heights 1800mm – 3000mm, higher if required.

CONSTRUCTION

Gate structure is manufactured from mild steel sections and proprietary folded track.

Infill typically vertical bar utilising 30mm RHS, a range of other options are available including palisade, bar configuration and mesh.

OPERATING SPEED

Standard Drive: 190mm/sec
Enhanced Drive: 300mm/sec

Speed of operation of the gate is dependant on the gate size, infill, site location and force limitation safety requirements.

ELECTRICAL SUPPLY

Mains Supply: 230V 50Hz single phase rated @ 10 Amp

INSTALLATION

Surface fix

DRIVE

Two options available:

Standard Drive:

- Including integral logic control panel.
- Operational Usage: 70% duty cycle

Enhanced Drive:

- CSG's in-house manufactured drive unit
- PLC based control system
- Operational Usage: 80% duty cycle

SAFETY

- Photocells
- CAT3 Safety Edge System

Designed to meet BS-EN13241-1 for installation, testing and ongoing compliance of automatic gate and door systems appropriate to location, usage and operational requirements.

Additional safety devices such as vehicle detection road loops and laser scanners may be required.

FINISH

- Shot blast to SA 2.5
- Primed: Either galvanised or zinc primer @60µm.
- Topcoat: Polyester top coat @60µm to a specific RAL No.

CSG 10300

Boom Barrier



PRODUCT VARIATIONS	CSG 10300 - MU68	CSG 10300 - MA80
Available Arm Widths:	2000mm to 6000mm	6000mm to 8000mm
Barrier Body Height:	1155mm	1200mm
Barrier Body Width:	400mm	460mm
Barrier Body Depth:	360mm	275mm
Barrier Arm Type:	Rectangular / Round	

PRODUCT OVERVIEW

The CSG 10300 range of rising arm barriers are designed and manufactured to offer long term reliability, efficient operation and durability.

Boom arm lengths can span up to 8.0m, dependent upon the skirt requirement. As a manufacturer, we are able to offer bespoke barriers to suit client specification, such as matching corporate colours.



FINISH

RAL 7015 grey (can be finished to another RAL)

SAFETY

- Photocell
- Force Limitation

Designed to meet BS-EN13241-1 for installation, testing and ongoing compliance of automatic gate and door systems appropriate to location, usage and operational requirements.

Additional safety devices such as a safety edge system, vehicle detection road loops and or laser scanners may be required.

ELECTRICAL SUPPLY

Mains Supply: 230V 50Hz single phase rated @ 10 Amp

INSTALLATION

Surface fix

PRODUCT OVERVIEW

This product has been specifically designed and developed as a secure access barrier where there is demand to prevent unauthorised access to parks, recreational areas, private land and roadways. Standard commercially available steel gates are susceptible to vandalism and damage and are rarely capable of withstanding a determined attack. This is particularly so today with the availability of battery operated cutting tools and other portable equipment.

The CSG 10405 has been installed in a number of motorway locations where conventional gates have been routinely breached by the cutting away of steel sections, locking devices and other vulnerable elements resulting in numerous incidents including theft, trespass and frequently allowing livestock access to the carriageway.



CONSTRUCTION

- Hinges are anti-lift and cannot be tampered with
- All steel sections are heavy duty with all corners being internally reinforced to dissuade cutting.
- Posts are embedded in concrete and inserted deep into the ground with anti 'pull out' feature.
- Lock housing – designed to minimise unauthorised access and prevent cutting. Can be a bespoke solution to suit specific locking device.

- Padlock can be tethered within lock housing thus preventing lock from being accidentally removed – lock tether is retracted within post when padlock secured.
- Gate can be made 'self closing' if this is an important requirement.
- A hold open post can be provided and if required gate can be locked open.

DIMENSIONS

Width to suit site requirements
Nominal Height: 1000mm from FFL

SECURITY

The CSG 10405 is easily secured using a Chubb C range padlock or similar. CSG can provide a bespoke lock solution, if required including fireman access.

FINISH

- Shot blast to SA 2.5
- Primed: Either galvanised or zinc primer @60µm.
- Topcoat: Polyester top coat @60µm to a specific RAL No.

CSG 10601

Tracked Bi-Folding Gate



PRODUCT OVERVIEW

The CSG 10601 Trackless Bi-Folding Speed Gate is the perfect solution where height and span of opening are critical factors, whilst providing a very high degree of secure vehicular access control.

This automated gate employs an overhead track system. Flexibility of design ensures that the 10601 is ideally suited to situations where special infill is specified, ie, timber, gloss, sheet steel, resulting in custom designs to suit any architectural brief.

Common applications for this gate are loading bay doors, multi-story car park entrances and large buildings. This product is the perfect solution where conventional roller shutters may previously have been used or considered.



DIMENSIONS

Maximum Width: 10,000mm
Maximum Height: 5000mm

Contact CSG for a bespoke solution if required.

CONSTRUCTION

Hinges: 25mm \varnothing stainless steel pins, DU self lubricating plain bearings, and ball thrust bearings with stainless steel covers

Gate structure is manufactured from proprietary mild steel

Electro-mechanical continuously rated overhead drive and guide track system

OPERATING TIME

Open Cycle: 8 to 14 seconds
Close Cycle: 8 to 14 seconds

Speed of operation of the gate is dependant on the gate size, infill, site location and force limitation safety requirements.

CONTROL

- PLC based control system
- 3-phase/50Hz drive motor, output speed 33rpm driving through 18:95 ratio spur drive gear

- Operational Usage: 100% duty cycle

SAFETY

- Photocells
- CAT3 Safety Edge System

Designed to meet BS-EN13241-1 for installation, testing and ongoing compliance of automatic gate and door systems appropriate to location, usage and operational requirements.

Additional safety devices such as vehicle detection road loops and laser scanners may be required.

ELECTRICAL SUPPLY

Mains Supply: 230V 50Hz single phase rated @ 20 Amp

FINISH

- Shot blast to SA 2.5
- Primed: Either galvanised or zinc primer @60 μ m.
- Topcoat: Polyester top coat @60 μ m to a specific RAL No.

INSTALLATION

Sub fix or surface fix

CSG 10604

Trackless Bi-Folding Gate



PRODUCT OVERVIEW

The CSG 10604 is a trackless bi-folding gate that does not require a track in either the ground or overhead to fold the leaf. A chain and sprocket mechanism located on the top of the post hung leaf is utilised to fold the leaves.

The folding mechanism transfers rotation from the post hung leaf to the leaf hung leaf at a ratio of 2:1. The sinusoidal action of the drive allows the gate to operate in both a smooth yet fast action in comparison to traditional swing gates.

The gate is driven by a unique motor drive unit connected to a crank arm assembly which locks the gate in both open and closed positions.



DIMENSIONS

Maximum Width: 10,000mm
Maximum Height: 3000mm

Contact CSG for a bespoke solution if required.

OPERATING TIME

Open Cycle: 8 to 14 seconds
Close Cycle: 8 to 14 seconds

Speed of operation of the gate is dependant on the gate size, infil, site location and force limitation safety requirements.

CONSTRUCTION

Drive: Electromechanical or Hydraulic through a 270° system (European Patent No 1595050)

Hinges: 25mm ø stainless steel pins, DU self lubricating plain bearings, and ball thrust bearings with stainless steel covers

Leaf Folding Mechanism: Chain and sprocket system

Gate structure is manufactured from proprietry mild steel

ELECTRICAL SUPPLY

Mains Supply: 230V 50Hz single phase rated @ 10 Amp

SAFETY

- Photocells
- CAT3 Safety Edge System

Designed to meet BS-EN13241-1 for installation, testing and ongoing compliance of automatic gate and door systems appropriate to location, usage and operational requirements.

Additional safety devices such as vehicle detection road loops and laser scanners may be required.

INSTALLATION

Sub fix or surface fix

CONTROL

- PLC based control system
- Electromechanical Drive
- Manual Disengage Facility or
- Hydraulic motor drive
- Hydraulic power unit (HPU) mounted onto hinge post
- Manual hand pump for manual operation
- Operational Usage: 100% duty cycle

FINISH

- Shot blast to SA 2.5
- Primed: Either galvanised or zinc primer @60µm.
- Topcoat: Polyester top coat @60µm to a specific RAL No.

CSG 10605

Trackless Bi-Folding Gate



LPS 1175 CERTIFIED

Available as an optional extra:

LPCB Cert. No. 1684a - B3 (SR2)

LPCB Cert. No. 1684c - C5 (SR3)

PRODUCT OVERVIEW

The CSG 10605 is a trackless bi-folding gate that does not require a track in either the ground or overhead. The gate is driven by a unique motor drive unit connected to a crank arm assembly which locks the gate in both open and closed positions.

Unlike our model CSG 10604 trackless bi-folding gate which has the folding mechanism located on the top of the gate leaf, the CSG 10605 utilises a rack & pinion mechanism located at a lower level which leaves the top of the gate free for spikes, barbed wire, decorative ironmongery, or other features as required.



LPS 1175 Rated B3 / C5

DIMENSIONS

Maximum Width: 10,000mm
Maximum Height: 3000mm

Contact CSG for a bespoke solution if required.

OPERATING TIME

Open Cycle: 8 to 14 seconds
Close Cycle: 8 to 14 seconds

Speed of operation of the gate is dependant on the gate size, infil, site location and force limitation safety requirements.

CONSTRUCTION

Drive: Electromechanical or Hydraulic through a 270° system (European Patent No 1595050)

Hinges: 25mm ϕ stainless steel pins, DU self lubricating plain bearings, and ball thrust bearings with stainless steel covers

Leaf Folding Mechanism: Chain and sprocket system

Gate structure is manufactured from proprietry mild steel

ELECTRICAL SUPPLY

Mains Supply: 230V 50Hz single phase rated @ 10 Amp

SAFETY

- Photocells
- CAT3 Safety Edge System

Designed to meet BS-EN13241-1 for installation, testing and ongoing compliance of automatic gate and door systems appropriate to location, usage and operational requirements.

Additional safety devices such as vehicle detection road loops and laser scanners may be required.

INSTALLATION

Sub fix or surface fix

CONTROL

- PLC based control system
- Electromechanical Drive
- Manual Disengage Facility or
- Hydraulic motor drive
- Hydraulic power unit (HPU) mounted onto hinge post
- Manual hand pump for manual operation
- Operational Usage: 100% duty cycle

FINISH

- Shot blast to SA 2.5
- Primed: Either galvanised or zinc primer @60 μ m.
- Topcoat: Polyester top coat @60 μ m to a specific RAL No.

CSG 10607

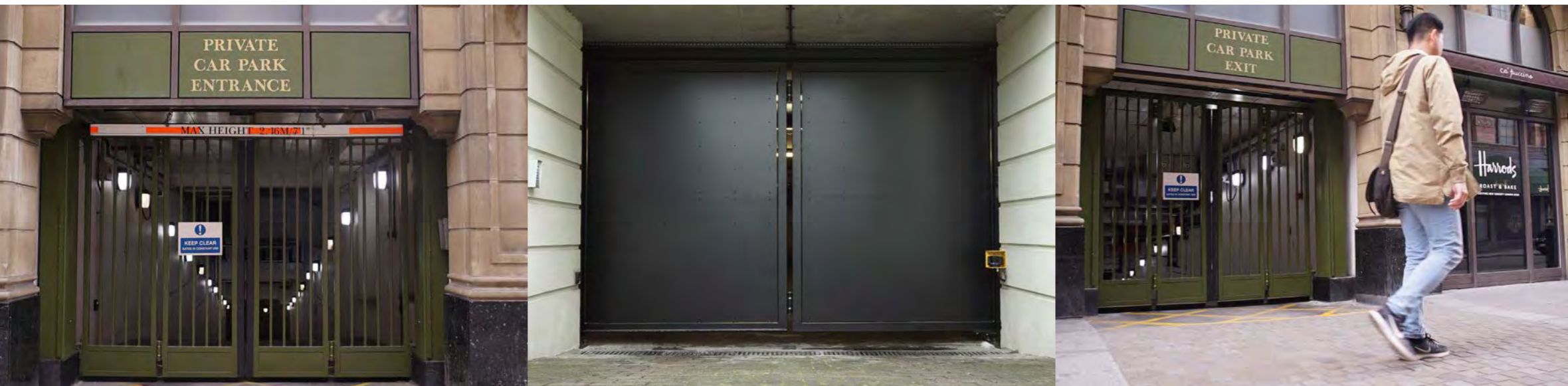
Overhead Tracked Bi-Folding Gate



PRODUCT OVERVIEW

The CSG 10607 overhead tracked bi-folding gate has been specifically designed for underground car parks, undercrofts and similar applications where the main building is above a vehicle entrance or exit. The CSG 10607 is the perfect solution to secure loading bays, multi-storey car parks and where there is limited or restricted access.

This automated gate employs an overhead track system and has a unique feature in that the motor to power the gate is housed within the post.



DIMENSIONS

Maximum Width: 5000mm
Maximum Height: 2400mm

Contact CSG for a bespoke solution if required.

CONSTRUCTION

Hinges: 25mm \varnothing stainless steel pins, DU self lubricating plain bearings, and ball thrust bearings with stainless steel covers

Overhead drive and guide track at the top of the gate

Gate structure is manufactured from proprietary mild steel

OPERATING TIME

Open Cycle: 8 to 14 seconds
Close Cycle: 8 to 14 seconds

Speed of operation of the gate is dependant on the gate size, infill, site location and force limitation safety requirements.

CONTROL

- PLC based control system
- Operational Usage: 100% duty cycle

SAFETY

- Photocells
- CAT3 Safety Edge System

Designed to meet BS-EN13241-1 for installation, testing and ongoing compliance of automatic gate and door systems appropriate to location, usage and operational requirements.

Additional safety devices such as vehicle detection road loops and laser scanners may be required.

INSTALLATION

surface fix

ELECTRICAL SUPPLY

Mains Supply: 230V 50Hz single phase rated @ 10 Amp

FINISH

- Shot blast to SA 2.5
- Primed: Either galvanised or zinc primer @60 μ m.
- Topcoat: Polyester top coat @60 μ m to a specific RAL No.

CSG 10700 Pedestrian Gate



LPS 1175 CERTIFIED

Available as an optional extra:

LPCB Cert. No. 1684e - B3 (SR2)

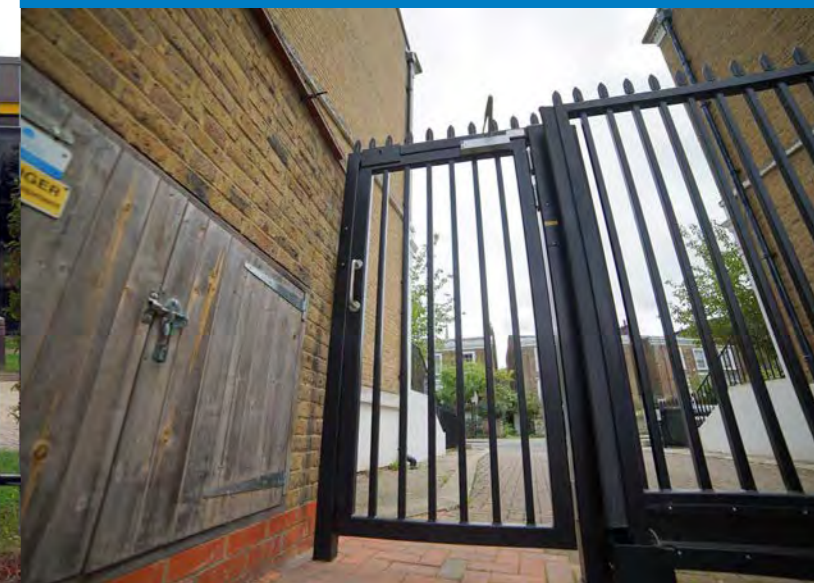
LPCB Cert. No. 1684f - C5 (SR3)

PRODUCT OVERVIEW

CSG's 10700 series pedestrian gates are a reliable, robust and secure solution for access control to any site. A pedestrian gate positioned close to or adjacent to an automated vehicle gate, provides safe access for pedestrians as it discourages the temptation of the vehicle gate being used.

This product is available in either a single or double leaf gate configuration, manually operated or automated variations.

LPS 1175 Rated B3 / C5



DIMENSIONS

Single Width: Minimum - 900mm
Minimum Height: 2000mm

Contact CSG for a bespoke solution if required.

CONSTRUCTION

- Manufactured from welded mild steel sections
- Supplied with heavy duty anti-lift stainless steel hinges
- Manual or automated pedestrian gate available

Options to fully automate with a proprietary electro-hydraulic actuator, allowing complete hands free operation.

Options for additional toppings and claddings are available, for an added layer of security.

Our bespoke design and manufacturing capabilities means we can offer pedestrian gates to suit the site environment and location.

OPERATION

Manual: Gate operator unlocks magnetic lock via access control, enabling the pedestrian to push or pull the gate open and pass through. Overhead door closer, closes the gate automatically.

Automated: Gate operator gives the gate an open command via access control, gate opens, the pedestrian walks through. Gate closes automatically after a preset time.

Duty Cycle: 70 cycles/hour

ELECTRICAL SUPPLY

Manual: 12VDC/24VDC rated at 2.5 amps to operate the magnetic lock.

Automated (Mains Supply): 230V 50Hz single phase rated @ 10 Amp

FINISH

- Shot blast to SA 2.5
- Primed: Either galvanised or zinc primer @60µm.
- Topcoat: Polyester top coat @60µm to a specific RAL No.

CSG 11700

Full Height Turnstile



The CSG Turnstile range is a diverse dynamic range which is flexible and tailor made to provide you with the best solution to control pedestrian access.

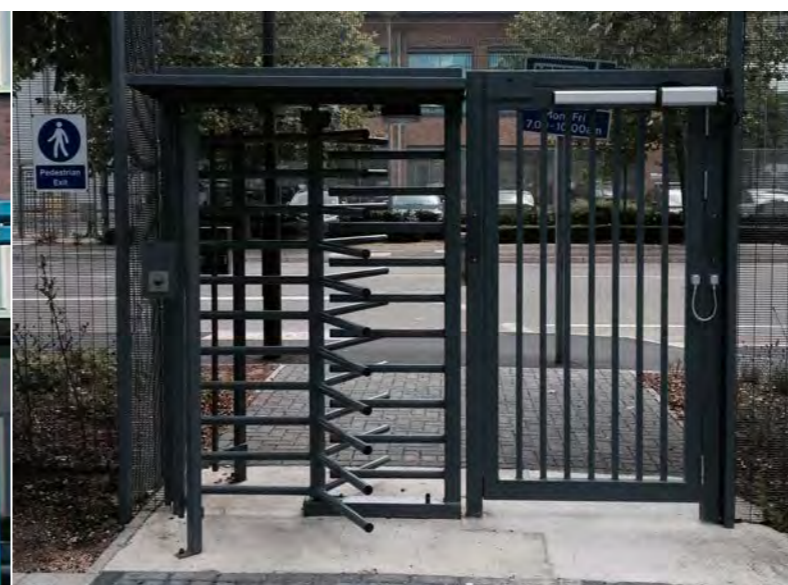
Manufactured to the highest standards our heavy duty turnstiles are complete in all respects. Designed to give years of continuous use under the most arduous conditions. In the event of a power failure all Turnstiles are fitted with a manual over-ride facility. A unique trap proof design prevents users becoming trapped in a 45 degree position.

The turnstiles may be operated by simple stand-alone access control readers through to complex time and attendance systems. They are an ideal solution in terms of security, all of the range can also be combined with a large range of access control.

PRODUCT OVERVIEW

The CSG Turnstile range is designed and manufactured for controlling access in environments such as reception areas, health clubs, theme parks, public buildings and stadiums.

Suitable for outdoor use, the CSG turnstile range come in the form of single or double according to your requirements. This also extends to varying heights of turnstile again tailored to suit your needs.



CONSTRUCTION FEATURES

Available with straight arm as standard or optional trombone. The turnstiles are available as 4 wing 90° rotation to prevent 'Crowd Loading' or 3 Wing 120° rotation for faster throughput.

- Bi-directional control, fail safe or fail secure
- Factory settings need no adjustment.
- Can handle high traffic volumes
- Helps employ strict security standards
- Can function in severe operating conditions
- Interior & exterior installations
- 100% - capable of continuous usage

DIMENSIONS

Single: 1480mm X 1410mm X 2350mm
Double: 2220mm X 1500mm X 2350mm
Rotor: 76mm Ø tube with bottom support bearing
Arms: 42mm Ø tube with capped ends
Side frames: 33mm Ø tube welded to curve base plate

Contact CSG for a bespoke solution if required.

FINISH

All turnstiles are available in a wide range of finishes ranging from:

- 316 Stainless Steel.
- Polyester powder coated to a specific RAL No.
- Galvanised Steel.

FLOW RATE

F15 to 22 /min in a single direction

ELECTRICAL SUPPLY

Mains Supply: 230V 50Hz single phase rated @ 10 Amp



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