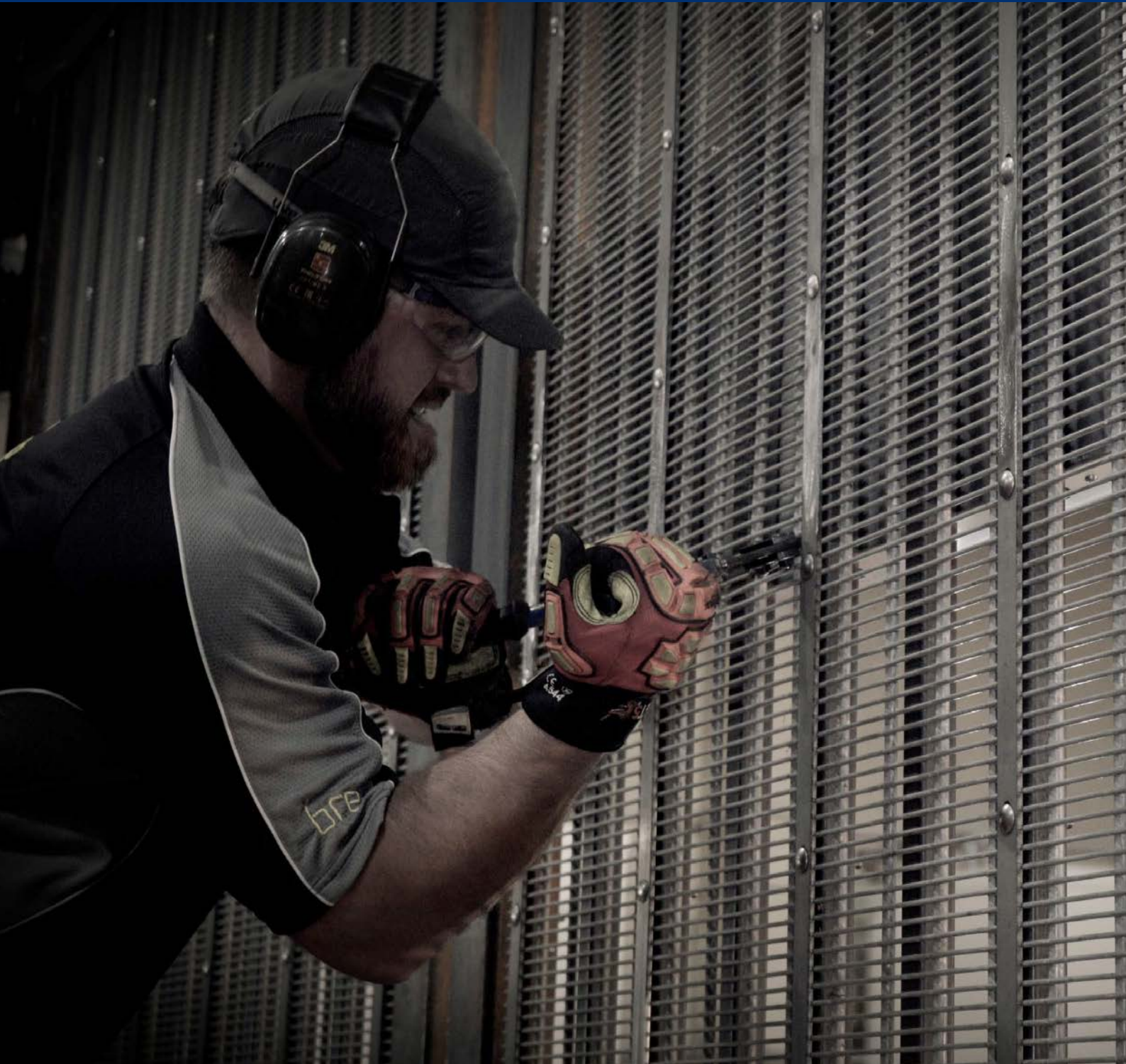




LPS 1175 BROCHURE

PROTECTING PEOPLE & PLACES SINCE 1987



WHO ARE COVA SECURITY GATES?

SOME OF OUR UK TEAM...



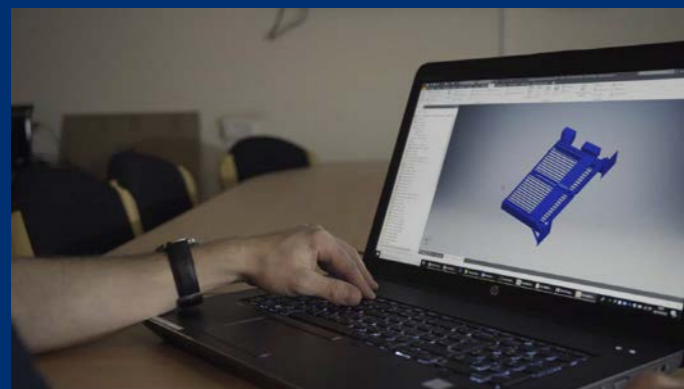
We are a leading manufacturer of high-quality perimeter security equipment, supplying the luxury domestic, commercial, industrial, and high security markets with tailored product solutions.

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

OUR LPS 1175 PRODUCT RANGE

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.

The Loss Prevention Standard (LPS) 1175, is a security standard developed by the Loss Prevention Certification Board (LPCB), that specialises in testing, certification, and standards development for security and fire protection products.

LPS 1175 specifically focuses on the testing and certification of security products and systems, such as doors, windows, gates, barriers, and other physical security equipment. The standard assesses the resistance of these products to various forms of forced entry and attack, including tools like crowbars, drills, and cutting devices.

This brochure is a mixture of our standard and HVM product ranges that have undergone and successfully passed LPS 1175 testing.



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 10640

Crash Tested Trackless Bi-Folding Gate



PRODUCT OVERVIEW

The CSG 10640/50 is the world's first crash tested trackless bi-folding gate. Designed to prevent vehicle borne terrorist threats, the gate blends seamlessly with any building or sit perimeter line, enabling discreet hostile vehicle mitigation with a field proven drive system. The gate requires a minimal foundation depth of 280mm, ideally suited to shallow and/or utility congested substructures.

The base design of the product allows 100mm topping, 380mm embedment depth and finished surface and the gate structure is manufactured from proprietary mild steel sections. This product can be modified to meet client requirements. It lends itself to the continuation of any high security fencing specification, powered fence, or security toppings across the normally vulnerable vehicular entrance to site.

CRASH TESTING DATA

Test Rating:

4200mm Wide: PAS 68:2010 V/7500[N2]/64/90:2.2/0.0*
6000mm Wide: PAS 68:2013 V/7500(N2)/64/90:2.4/0.0*
6000mm Wide: IWA 14-1:2013 V/7200[N2A]/64/90:2.8*

LPS 1175 CERTIFIED

Available as an optional extra:

LPCB Cert. No. 1684g - B3 (SR2)
LPCB Cert. No. 1684h - C5 (SR3)
LPCB Cert. No. 1684i - B3 (SR2)

RESULTS TABLE

	PAS 68 4200mm	PAS 68 6000mm	IWA 14-1 6000mm
Vehicle Test Weight:	7500kg	7500kg	7200kg
Vehicle Class:	N2	N2	N2A
Vehicle Speed mp/h:	40	40	40
Vehicle Speed km/h:	64	64	64
Target Impact Energy:	N/A	1185.2	1137.8
Vehicle Angle:	90	90	90
Vehicle Penetration:	2.2	2.4	2.8
Dispersion Distance:	0.0	0.0	N/A

LPS 1175 Rated B3 / C5



DIMENSIONS

Maximum Width: 6000mm
Nominal Height: 2500mm

OPERATING TIME

Open Cycle: 8 to 14 seconds
Close Cycle: 8 to 14 seconds
Locking Pin Cycle: 3 seconds

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

CONTROL

- PLC based control system
- Hydraulic motor drive (European patent No 1595050)
- Hydraulic power unit (HPU) mounted onto hinge post
- Manual hand pump for manual operation
- Hydraulically operated locking pin to secure gate leaf
- Operational Usage: 100% duty cycle

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.

FINISH

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

INSTALLATION

Sub fixed

CSG 10650

Crash Tested Trackless Bi-Folding Gate



CRASH TESTING DATA

Test Rating:

Test Rating: PAS 68:2010 V/7500[N3]/80/90:6.8/9.1*

LPS 1175 CERTIFIED

Available as an optional extra:

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

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

RESULTS TABLE

Vehicle Test Weight:	7500kg
Vehicle Class:	N3
Vehicle Speed mp/h:	50
Vehicle Speed km/h:	80
Vehicle Angle:	90
Vehicle Penetration:	6.8
Dispersion Distance:	9.1

PRODUCT OVERVIEW

The CSG 10640/50 is the world's first crash tested trackless bi-folding gate. Designed to prevent vehicle borne terrorist threats, the gate blends seamlessly with any building or site perimeter line, enabling discreet hostile vehicle mitigation with a field proven drive system. The gate requires a minimal foundation depth of 280mm, ideally suited to shallow and/or utility congested substructures.

The base design of the product allows 100mm topping, 380mm embedment depth and finished surface and the gate structure is manufactured from proprietary mild steel sections. This product can be modified to meet client requirements. It lends itself to the continuation of any high security fencing specification, powered fence, or security toppings across the normally vulnerable vehicular entrance to site.



LPS 1175 Rated B3 / C5

DIMENSIONS

Maximum Width: 4200mm
Nominal Height: 2500mm

OPERATING TIME

Open Cycle: 8 to 14 seconds
Close Cycle: 8 to 14 seconds
Locking Pin Cycle: 3 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
- Hydraulic motor drive (European patent No 1595050)
- Hydraulic power unit (HPU) mounted onto hinge post
- Manual hand pump for manual operation
- Hydraulically operated locking pin to secure gate leaf
- Operational Usage: 100% duty cycle

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.

FINISH

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

INSTALLATION

Sub fixed

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.



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