



## TECHNICAL SPECIFICATION

### CSG 10630

Crash Rated Trackless Bi-Folding Gate



Internal Face of Gate

#### PRODUCT OVERVIEW

Cova Security Gates have worked with world leading HVM Security Specialists to design and deliver our first **Engineered Solution** Crash Rated 'Surface Fixed' 30mph (48km/h) Bi-Folding Gate - CSG 10630.

This product has been engineered to suit your specific site requirements for preventing vehicle impact at 30mph (48km/h) by a car or light van Class N1 weighing 3500kg (7700lb).

This surface fixed crash rated bi-folding gate has been designed to overcome situations where it is impossible or impractical to excavate an existing slab such as in underground car parks, or sites where the slab depth is limited.

A standard profile base plate is 'surface fixed' to the road or car park using a minimal number of concrete anchors. The thickness of the base slab material for the gates to be fixed in place is minimum 250mm, so eliminating the need for foundation excavation.

With the increased threat around the world for vehicles being used as a weapon, this is the latest product on the market to provide an alternative solution for a crash rated bi-folding gate to offer high level security to underground car parks and buildings that otherwise would remain unprotected.

#### CONTACT US

Call us on +44 (0) 1293 553888

Email us [sales@covasecuritygates.com](mailto:sales@covasecuritygates.com)

#### CRASH RATED

- Model CSG 10630 crash rated engineered solution
- 3,500kg (3.5 Tonne) Vehicle Class N1 travelling at 30mph (48km/h)
- Test rating based on: PAS 68:2010 standard  
Result: D/3,500[N1]/48/90 Energy 274kJ

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#### ENGINEERED SOLUTION

Included with this product will be an 'Engineered Solution' report for the new CSG 10630 which would be bespoke to the client's overall bi-folding gate requirements and will be site specific.

This includes preparing and providing bespoke calculations for your hostile vehicle mitigation (HVM) measures based on the height and width of the bi-folding gate including the grade of substrate required.

Our sales team can provide more information upon request at the email overleaf.

## DIMENSIONS

- Maximum width: 4200mm (between hinge and and receptor post)
- Nominal height: 2500mm.
- Operational Usage: 100% duty cycle – capable of continuous usage.
- Hydraulic Drive: Hydraulic motor drive (European patent No 1595050)
- Hydraulic Pack: Hydraulic pack mounted onto hinge post - Standard. Includes hand pump for manual operation.

## DRIVE

- PLC based gate control system.
- Locking: Hydraulically operated locking pin secures gate leaf.
- Manual override.

## SAFETY

- Designed to meet BS-EN13241-1 standard for installation, testing and ongoing compliance of automatic gate and door systems appropriate to location, usage and operational requirements.
- Typically all gate systems come complete with a through photo beam system between posts. Additional photobeams can be added for extra protection.
- The leading edges of the leaves are fitted with electrical rubber safe edges which if in contact with an obstruction will stop the operation of the gate.
- Between the bi-folding leaves it is recommended that all installations include vehicle detection loop systems.
- Laser scanner safety device(s) – Optional Extra

## FINISH

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

## ELECTRICAL SUPPLY

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

Please contact us to discuss your power supply requirements.



Image from our CSG 10640 crash test.



### Cova Security Gates Ltd

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