

## CSG 10630

### Crash Rated Trackless Bi-Folding Gate



#### PRODUCT OVERVIEW

Based off our CSG 10640/50 models, this gate 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, thus 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

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#### PAS 68 CRASH TESTING

Design Assessment: PAS 68:2010 D/3500[N1]/48/90

#### RESULTS TABLE

<b>Vehicle Test Weight:</b>	<b>3500kg</b>
<b>Vehicle Class:</b>	<b>N1</b>
<b>Vehicle Speed mp/h:</b>	<b>30</b>
<b>Vehicle Speed km/h:</b>	<b>48</b>
<b>Vehicle Angle:</b>	<b>90</b>
<b>Vehicle Penetration:</b>	<b>2.2</b>
<b>Dispersion Distance:</b>	<b>N/A</b>
<b>Energy:</b>	<b>274kJ</b>

## 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, 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

## 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.

## ELECTRICAL SUPPLY

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

## INSTALLATION

Surface fix



**If required, please contact CSG for a bespoke solution.**

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