

CSG 10640
Crash Tested Trackless Bi-Folding Gate



CONTACT US

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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.

PAS 68 / IWA 14-1 CRASH TESTING

- 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*

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

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

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

Sub fix or surface fix



If required, please contact CSG for a bespoke solution.

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