

# TECHNICAL SPECIFICATION

## CSG 10140

### Crash Tested Sliding Cantilevered Gate

(Patent Applied)



cova security gates ltd

INVENTION NOT CONVENTION



## PRODUCT OVERVIEW

The CSG 10140 Crash Tested Sliding Cantilevered Gate is designed to prevent vehicle borne terrorist/ram-raid threat, capable of blending seamlessly with any building or site perimeter line and enabling discreet vehicle mitigation. Constructed from standard steel section, this gate can be considered a low cost option.

The CSG 10140 Sliding Cantilevered Gate requires an installation depth of 400mm, ideally suited to shallow and/or utility congested substructure.

The product is able to accept any architectural enhancement over and above its standard construction; and 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 TEST RESULT

The CSG 10140 Sliding Cantilevered Gate was tested to PAS 68:2010 Vehicle Impact Test, under strict TRL guidelines.

The gate performed extremely well under test conditions, restraining and immobilising the vehicle with 2m dynamic penetration and no dispersal of major debris, as shown above.

The formal PAS 68:2010 classification achieved was:

**Sliding Gate V/7500(N2)/64/90:2/0**

## CONSTRUCTION

- Gate structure is manufactured from mild steel sections and proprietary folded track to current EN/BS standards.
- Effective width – the gate was tested at 5000mm wide, and further testing is under development.
- Height of gate – minimum 1800mm to maximum 2400mm – greater heights possible on application.
- Infill – typically vertical bar infill, but a range of infill options is available including palisade and mesh.
- Receptor and motor posts constructed from proprietary steel sections.
- All running gear utilises long life rollers and bearings.

## DRIVE

Two options are available – the standard drive comprises a proprietary sliding gate rack drive system or, for high usage, duty and faster opening/closing speed, CSG's own-manufactured heavy duty drive unit.

## CONTROLS

Gate can be controlled by a wide range of devices – radio control, card access, push button controls, vehicle detection loop systems and ANPR are typical.

## SAFETY

### Standard:

- 2 sets of photocells.
- Active electrical safety edges – as required for gate leaf and/or posts.

### Optional:

- Audible and visual 'gate moving' alarm.
- Vehicle detection loop system.

## DUTY

Standard drive – 70% at -20°C to +55°C. Typically approx 50 open/close cycles per hour.

CSG High Duty Drive – 80% at -20°C to +55°C. Typically approx 90 open/close cycles per hour.

## MAINS SUPPLY

- Standard Drive – 230V 50 Hz rated 10 Amp.
- CSG High Duty Drive – 415V 50 Hz rated 10 Amp. or – 230V 50 Hz rated 10 Amp.

## FINISH

All metalwork mechanically sanded and acid washed to etch; Glasurit 2-pack epoxy anti corrosion primer 70 microns; Glasurit 2-pack acrylic top coat 70 microns.



**CSG 10140**  
**Crash Tested Sliding**  
**Cantilevered Gate**  
(Patent Applied)

### Cova Security Gates Limited

Unit C1, Sussex Manor Business Park  
Crawley, West Sussex  
RH10 9NH United Kingdom

Tel | +44 (0) 1293 553888

Fax | +44 (0) 1293 611007

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

Website | [www.covasecuritygates.com](http://www.covasecuritygates.com)