



TECHNICAL SPECIFICATION

CSG 10140

Crash Tested Sliding Cantilevered Gate
(European Patent No 2369126)



PRODUCT OVERVIEW

The CSG 10140 Crash Tested Sliding Cantilevered Gate is designed to prevent a 7.5 tonne vehicle-borne terrorist/ram-raid threat at 40mph (64kmh).

Constructed from regular steel section, rather than large and unsightly heavy weight materials. This gate design can be aesthetically blended into the building or perimeter line, enabling hostile vehicle mitigation. The standard material reduces production costs, offering an effective crash tested solution at a comparatively low cost when evaluated against other available products.

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

The product is able to accept most architectural enhancement over and above its standard construction; therefore 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.

CONTACT US

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CRASH TESTING

Model 10140 crash tested to 7,500kg (7.5 Tonne) @ 64km/h (40mph).

3m wide: PAS 68: 2010 V/7500[N2]/64/90:1.7/0.0*

5m wide: PAS 68: 2010 V/7500[N2]/64/90:2.0/0.0*

8m wide: PAS 68: 2010 V/7500[N2]/64/90:3.0/0.0*

* V/test weight [vehicle class]/speed[kmh]/ angle:penetration/dispersion).

CONSTRUCTION

- Gate structure is manufactured from mild steel sections and proprietary folded track.
- Infill - typically vertical bar, other options are available.
- Receptor and motor posts constructed from proprietary steel sections.
- Nominal opening - available up to a maximum of 8000mm.
- Standard height - 1800mm to 3000mm – greater heights possible on application.

DRIVE

Two options are available:

- Standard - comprising of a proprietary sliding gate rack drive system (inc. integral logic control panel).
Duty cycle 75% at -20°C to +60°C.
Typically approx 50 open/close cycles per hour.
- Enhanced Drive - comprising of an increased level of duty for faster opening/closing speed (CSG's in-house manufactured high duty drive unit, including a Programmable Logic Controller).
Enhanced Drive - 80% at -20°C to +55°C continuous use.

OPERATING SPEED

Standard Drive: 190mm/sec
Enhanced Drive: 300mm/sec

FINISH

Leaf lengths up to 7.5m

Polyester powder coated to a specific RAL No.
Galvanised or galvanised and polyester powder coated to a specific RAL No.

Leaf lengths exceeding 7.5m

Painted finish to a specific RAL No.
Galvanised or galvanised and painted to a specific RAL No finish.

CONTROLS

Gate can be controlled manually or automatically by a variety of interfaces.

SAFETY

Designed to meet BS-EN13241-1 standard for installation, testing and ongoing compliance of automatic gate and door systems.

ELECTRICAL SUPPLY

Standard Drive: 230V 50 Hz rated 10 Amp
Enhanced Drive: 400V 50 Hz rated 10 Amp

Please contact us to discuss your power supply requirements.



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