

TECHNICAL SPECIFICATION

CSG 10610 & 10611

Crash Tested Trackless Bi Folding
Speed Gate (Patent Pending)



INVENTION NOT CONVENTION



CSG MODEL 10610 ON TEST

PRODUCT OVERVIEW

The CSG 10610 & 10611 are the world's first Crash tested Speed Gate, designed to prevent vehicle borne terrorist threat, capable of blending seamlessly with any building or site perimeter line, enabling discrete vehicle mitigation, and a field proven drive system that offers 9 second unlock & open time, 11 second close and fully lock time and delivers a continuous operation – 100% duty cycle.

The CSG 10610 & 10611 Speed Gate require minimal foundation depth of 380mm ideally suited to shallow and/or utility congested substructure.

The product is able to accept any architectural enhancement over and above its standard construction; it lends itself to continuance of any high security fencing specification, powered fence, security toppings across the normally vulnerable vehicular entrance to site.



CRASH TEST RESULT

CSG 10610: 7.5 Tonnes (N2) @ 64 km/h (40mph)

PAS68:2010: Swing Gate V/ 7500[N2] /64/90:2.2/0.0

CSG 10611: 7.5 Tonnes (N3) @ 80 km/h (50mph)

PAS68:2010: Swing Gate V/ 7500[N3] /80/90:6.8/9.1

TECHNICAL SPECIFICATION OF TESTED MODELS

Open Cycle Time:	8 – 10 seconds.
Effective width:	4200mm (between hinge and receptor post).
Effective Height:	2200mm
Operational Usage:	100% duty cycle – capable of continuous usage.
Configuration:	1 no. bi-folding leaf.
Drive Post:	250mm SHS.
Receptor Post:	250mm SHS.
Leaf Frames:	60mm SHS & 100 x 60 RHS.
Infill Bars:	30mm SHS.
Hinges:	4no per bi-folding leaf - CSG type with DU bearings, 25mm st/st pins.
Mechanical Drive:	CSG patented design top drive system.
Hydraulic Drive:	Hydraulic motor drive – fully adjustable providing a maximum torque of 240 Nm @70 Bar, for exposed high windage sites.

Hydraulic Pack:	Comprising electric motor/pump, reservoir, pressure relief valve, Flow control valves, electric solenoid valves, pressure adjustment, gauge and hand pump. Hydraulic pack usually located in close proximity to gate or on gate post. Can be located within an IP66 rated enclosure with electrical controls. Consult CSG for actual site specific specification.
Mains Supply:	230v 50Hz single phase 10amp utilising a frequency inverter or; 10 amp 3 phase 415V.
Controls:	PLC Based Gate Control System.
Locking:	Hydraulically operated locking pin secures arrestor system.
Manual Override:	Yes.
Finish:	Grit blast SA 2.5, Hot Zinc Spray 50 microns, Polyester Powder Coat 60 microns to a specified standard RAL number. Gloss level 30%. NB: non standard colours refer to CSG.
Safety:	-2no. laser scanners. -1no. electrical contact safety edge.



CSG 10610 & 10611 Trackless Bi Folding Speed Gate

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
Website | www.covasecuritygates.com