

TECHNICAL SPECIFICATION

CSG 10640 & 10650

Crash Tested Trackless Bi Folding Speed Gate

(formerly CSG 10610 & 10611)
(Patent Pending)



Invention not Convention



PRODUCT OVERVIEW

The CSG 10640 and 10650 are the world's first Crash tested Speed Gates, designed to prevent vehicle borne terrorist threat, capable of blending seamlessly with any building or site perimeter line, enabling discreet vehicle mitigation, and a field proven drive system that offers 9 second unlock and open time, 11 second close and fully lock time and delivers a continuous operation – 100% duty cycle.

CSG 10640 and 10650 Speed Gates 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 the continuation of any high security fencing specification, powered fence or security toppings across the normally vulnerable vehicular entrance to site.



CRASH TEST RESULT

CSG 10640: 7.5 Tonnes (N2) @ 64 km/h (40mph)
PAS68:2010: Swing Gate V/ 7500[N2] /64/90:2.2/0.0

CSG 10650: 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.	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.
Effective width:	4200mm (between hinge and receptor post).	Mains Supply:	230V 50Hz single phase 10 Amp utilising a frequency inverter or; 10 Amp 3 phase 415V.
Effective Height:	2200mm	Controls:	PLC Based Gate Control System.
Operational Usage:	100% duty cycle – capable of continuous usage.	Locking:	Hydraulically operated locking pin secures arrestor system.
Configuration:	1 No bi-folding leaf.	Manual Override:	Yes.
Drive Post:	250mm SHS.	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.
Receptor Post:	250mm SHS.	Safety:	-2 No laser scanners. -1 No electrical contact safety edge.
Leaf Frames:	60mm SHS & 100 x 60 RHS.		
Infill Bars:	30mm SHS.		
Hinges:	4 No per bi-folding leaf - CSG type with DU bearings, 25mm stainless steel 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.		



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Trackless Bi Folding
Speed Gate**



Power Door Products

(914) 698-5083

www.PowerDoorProducts.com