

CSG 10604

Trackless Bi-Folding Gate



PRODUCT OVERVIEW

The CSG 10604 is a trackless bi-folding gate that does not require a track in either the ground or overhead to fold the leaf. A chain and sprocket mechanism located on the top of the post hung leaf is utilised to fold the leaves.

The folding mechanism transfers rotation from the post hung leaf to the leaf hung leaf at a ratio of 2:1. The sinusoidal action of the drive allows the gate to operate in both a smooth yet fast action in comparison to traditional swing gates.

The gate is driven by a unique motor drive unit connected to a crank arm assembly which locks the gate in both open and closed positions.

CONTACT US

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DIMENSIONS

Single Unit Maximum Width: 5000mm
Single Unit Maximum Height: 3000mm
Bi-Parting Pair Maximum Width: 10,000mm
Bi-Parting Pair Maximum Height: 3000mm

Contact CSG for a bespoke solution if required.

CONSTRUCTION

Drive: Electromechanical or Hydraulic through a 270° system (European Patent No 1595050)

Hinges: 25mm \varnothing stainless steel pins, DU self lubricating plain bearings, and ball thrust bearings with stainless steel covers

Leaf Folding Mechanism: Rack and pinion system

Gate structure is manufactured from proprietary mild steel

OPERATING TIME

Open Cycle: 8 to 14 seconds

Close Cycle: 8 to 14 seconds

Speed of operation of the gate is dependant on the gate size, infill, site location and force limitation safety requirements.

CONTROL

- PLC based control system
- Electromechanical Drive
- Manual Disengage Facility
- or
- Hydraulic motor drive
- 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

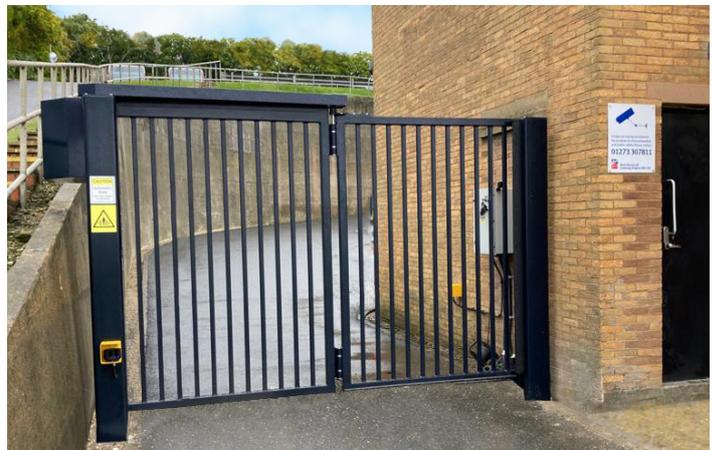
- Shot blast to SA 2.5
- Primed: Either galvanised or zinc primer @60µm.
- Topcoat: Polyester top coat @60µm to a specific RAL No.

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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