



## TECHNICAL SPECIFICATION

### CSG 10601

Speed Gate



### PRODUCT OVERVIEW

The 10601 bi-folding speed gate is the perfect solution where height and span of opening are critical factors, whilst providing a very high degree of secure vehicular access control. This automated gate employs an overhead track system.

Flexibility of design ensures that the 10601 is ideally suited to situations where special infill is specified, ie, timber, glass, sheet steel, resulting in custom designs to suit any architectural brief.

Common applications for this model are loading bay doors, multi-story car park entrances and large buildings. This product is the perfect solution where conventional roller shutters may previously have been used or considered.

### CONSTRUCTION

- Hinges: 25mm dia stainless steel pins, DU self lubricating plain bearings and ball thrust bearings with stainless steel covers
- Gate structure is fully welded RHS section
- Height of gate - up to 5000mm
- Width of opening up to 10000mm

### CONTACT US

Call us on +44 (0) 1293 553888  
Email us [sales@covasecuritygates.com](mailto:sales@covasecuritygates.com)

### DIMENSIONS

- Maximum Width: Max 10m (between motor posts)
- Maximum Height: Max 5m
- Infill - typically vertical bar but a range of other options are available to suit the customers specification (maximum centres 130mm)

### DRIVE

- Electro-mechanical continuously rated overhead drive and guide track system
- 2No. 3-phase/50Hz drive motor, output speed 33rpm driving through 18:95 ratio spur drive gear

## CONTROLS

- Controls are Programmable Logic Controller (PLC) based and therefore are very flexible and can be configured to suit customer's requirements.
- Optional features can include conventional push button station or Human-machine interface (HMI) terminals.
- Single or multiple control positions and all forms of access control can be utilised.

## SAFETY

- Designed to meet BS-EN13241-1 standard for installation, testing and ongoing compliance of automatic gate and door systems.
- All gate systems come complete with a through photo beam system between posts. Additional safety devices such as lasers and light curtains can be added for extra protection.
- The leading edges of the leaves are fitted with electrical rubber safe edges, which if in contact with an obstruction will stop the operation of the gate.
- It is recommended that all installation include vehicle detection loop systems.

## INSTALLATION

Generally there are two fixing methods either 'surface-fix' or 'sub-fix'.

- Surface-fix is for existing surfaces usually within a building or where it is difficult to provide submerged foundations. Simply the base plates are bolted directly to a suitable concrete surface using chemical anchors bolts. Base-plates can be angled to suit ramp gradients. On larger gates it is sometimes found necessary to cleat to the structure of the building or design bracing to increase rigidity. Minimum slab thickness 300mm.
- Sub-fix is usual for perimeter applications whereby foundations are cast, to a required size, in two stages. Stage one is typically 500mm concrete poured into a 900mm hole, cast prior to the gate installation. Once cured, typically after one week, the gate is bolted to this foundation. With gates levelled, fully wired and operationally checked, stage two, concrete backfill, typically 400mm deep can be conducted.
- Once the whole system has been proved, checked for level and operation then the "second pour" is applied to the finished level surface. This method is usually self-standing depending on size, width and height of the gate.

## ELECTRICAL SUPPLY

Supply 240 volt 50Hz single phase rated at 10 amp. Please contact us to discuss your power supply requirements.

## FINISH

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



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