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Gates Specifications:

BG9000 Automatic Cantilevered Sliding Gates

Boundary Gate and Barrier Limited is proud to present the BG9000 Sliding Gate. Unique to the Boundary Gate and Barrier brand, the BG9000 is a pioneering concept, using a simple yet reliable design, and introducing an external friction drive mechanism, to produce durable and efficient results.



DIMENSIONS:

Beam: 250mm x 225mm extruded Aluminium.

Infills: 30mm diameter x 6mm Wall thickness

POWER REQUIREMENT: 230V, 1 phase, 50Hz

DRIVE MOTOR: 0.55KW, 3 phase

MAXIMUM SPAN: 10 Metres Drive-Through (14.5 Metre overall)

MAXIMUM HEIGHT: 2.4 Metres

DUTY CYCLE: 100%

OPERATION TIME: 4 Seconds per Metre (Variable)

FINISH: Powder-Coated

OPERATION: Friction-driven 3 phase motor via Inverter and Programmable Logic Controller.



ACCESS CONTROL OPTIONS:

Proximity Card Readers and Controllers, Keypads, Remote Control Transmitters, Push-Button control Raise/Stop/Lower, Intercom Systems, Token Acceptors, Counting Systems etc.

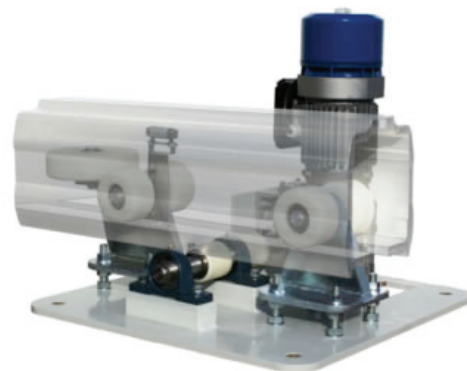
BS/EN 12453 COMPLIANT

The BG9000 complies with safety features announced under the EU standards and regulations. Five profiled Safety Edges are provided; each consisting of 2 parallel electrically conducted rubber strips. These are connected to the main control panel by two cables, which are concealed within the lower beam, which transmit messages to and from the safety edges. In the unlikely event of a fault, messages will be transmitted to the necessary safety edges instructing the gate to be stopped, regardless of its current operation.

DRIVE MECHANISM

Our BG9000 Heavy Duty Automatic Sliding Gate employs a revolutionary – Patent Applied For - GB0713973.6 - External Friction Drive Mechanism ensuring a smooth, consistent, and quiet gate movement. As well as being the main drive, the External Friction Drive Mechanism also acts as the primary support roller of the gate ensuring a consistent contact between the drive roller and the underside of the lower beam. This is assisted by the dual stabilising support wheels located on either side of the drive roller.

A Manual Release Mechanism, concealed within the lockable housing unit, is included as standard, allowing manual control of the gate in the event of a power failure.



An additional fully adjustable support unit is positioned in the runback area at a distance of approximately 40% of the length of the main lower beam to aid in the support of the gate when it is fully closed. Towards the back of the gate's opening area a floor mounted support roller handles the weight of the gate in the fully open position. Proximity sensors are used to indicate the start and end of the travel cycle. Dual-height photo cells are fitted as standard, for safety to pedestrians and vehicles, on all BG9000 Heavy-Duty Automatic Sliding Gate. A Programmable Logic Controller, operated via an inverter, allows the user to adjust the speed to their individual requirements.

DESIGN FEATURES

Our BG9000 Cantilevered Automatic Sliding Gates are made to order and can be supplied with a height of up to 2.4 metres with a drive-through of up to 10 metres wide; all with a ground clearance of 125mm.

The main gate frame comprises of upper and lower 75mm square aluminium-tube rails with the main uprights made from the same material. The 30mm diameter infill's, all having an 6mm wall thickness and set at 125mm centres, are mounted on our custom-made lower beam extrusion. The BG9000 is unique in that the External Friction Drive is incorporated into the lower beam as opposed to the inside face of the gate, protecting it from the elements, whilst also being completely out of view.

AESTHETICS

The BG9000 has a sophisticated, durable and secure appearance. Spikes line the top of the gate to warn off intruders, and the 6mm thick evenly-spaced individual Aluminium bars further add to the sturdy appearance. The compact housing of the electronics, coupled with the drive motor and supports being expertly hidden beneath the lower beam further enhance the neat and professional appearance.

