



Avon Barrier

Avon Ground Track Gates



Avon Ground Track Sliding Gates are automatic sliding gates that come in variety of widths and heights to suit site requirements.

The ground track sliding gates are manufactured from RHS sections of sufficient strength to suit operating requirements which are dependent upon the gates opening width, height, type of infill (windloading/weight) and the level of security required.

They are a durable and robust way of controlling and securing larger roadwidths and vehicle access.

The tracked gate requires a shorter run back area than a cantilever gate making it possible for installation in restricted space/areas. The gate leaf is held in the vertical plane by a set of guide posts with adjustable guide rollers and driven by a rack and pinion. All drive units mechanically lock the leaves in position with the option for a positive locking mechanism.

A variety of sizes, infills and finishes are available to suit individual site applications and gates can span openings of up to 12 metres, subject to gate height and infill.

The gates are finished to a high standard and comply with current safety requirements and come complete with hold to run button & force limiters as standard.

NB Sliding gates are designed to be used with vehicles only and pedestrians should be provided with an alternative entrance or exit.

Features

- High quality coating system
- Galvanised/Zinc sprayed and powder/plastic coated
- Bespoke built units
- Manual override facility

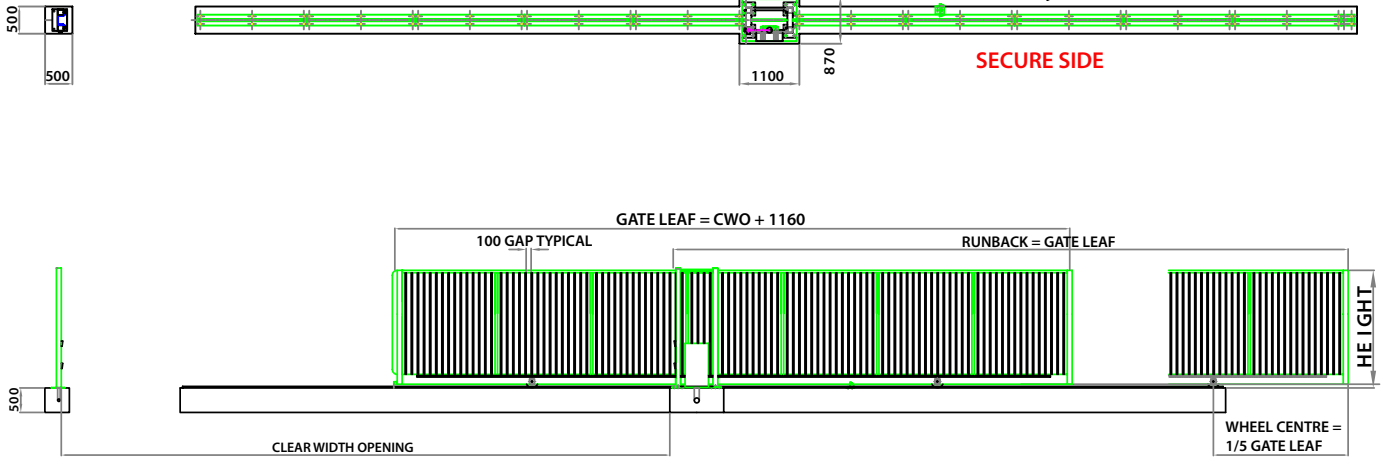
Benefits

- Environmentally durable
- Custom built to client specification
- Operational under power failure conditions
- Ease of installation

Technical Specification Ground Track Gates

PLAN VIEW GATE OMITTED

OPENING DIRECTION



Technical Details

Basic Power Requirements:	230v Single phase 50Hz supply 230V/400V 3 phase (option) 110V (option) The incoming mains supply to the control panel is normally single- phase 220/250 V, but three phase 400V may be required depending on the design length and weight of the gate.
Control:	Basic gate is a push button - hold to run, alternative access control systems can be accommodated.
Dimensions:	Dimensions range from 3m to 12m Clear width openings and heights are normally 2.1m or 2.4m, infills and panels available are dependant on height and weight of gate.
Safety:	When deciding to install a sliding gate A full site risk assessment should be undertaken prior to the design and installation of the gate, to ensure that all the appropriate safety measures have been addressed: Safety Options - In accordance with the workplace (Health, Safety and Welfare) regulations 1992, BS EN 12453:2001 and BS EN 12445:2001 it is highly recommended that the following items are fitted to your automatic sliding gate. Safety edge to leading edge of gate leaf - to prevent gates closing on a person or vehicle when the gate is activated. Additional safety edges to internal and external motor posts Weldmesh infill Post mounted audible alarm or flashing beacon, alerting people when the gate is in operation Pedestrian guard rail around run-back area. This is to prevent injury to a person, should they stray into that area whilst the sliding gates are operating. Safety induction loops cut into the road surface. This will inhibit automatic sliding gates closing on to a vehicle within the aperture, if detected. Safety photocells and laser scanners act as additional safety for pedestrians and high lorries.
Forces:	A maximum of 400N of crushing force is permitted before the gate leaf should start to reverse, for gaps greater than 500mm a maximum crushing force of 1400N is permitted. Regular maintenance and force testing is recommended by a trained technician.

- Access control and intercom systems
- Serrated / barbed wire / spiked toppings
- Inductive loop systems
- Audible alarm / Flashing beacon
- Safety photocells
- Traffic lights and back-indications systems
- Safety edge / Safety photocells / Laser scanners
- Pedestrian guard rail
- Matching infills and cladding



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