



Avon Barrier

Avon Cantilever Gates



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

The cantilever 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 design of a cantilever gate means that a ground track is not required in the roadway, thus the gate is not affected by cambers, kerbs, debris or adverse weather conditions like snow or ice.

Single gates can span openings of ten metres (single leaf) or up to 20 metres (double leaf), subject to gate height and infill.

The gates are finished to a high standard and comply with current safety requirements and come complete with force limiters and laser scanner.

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

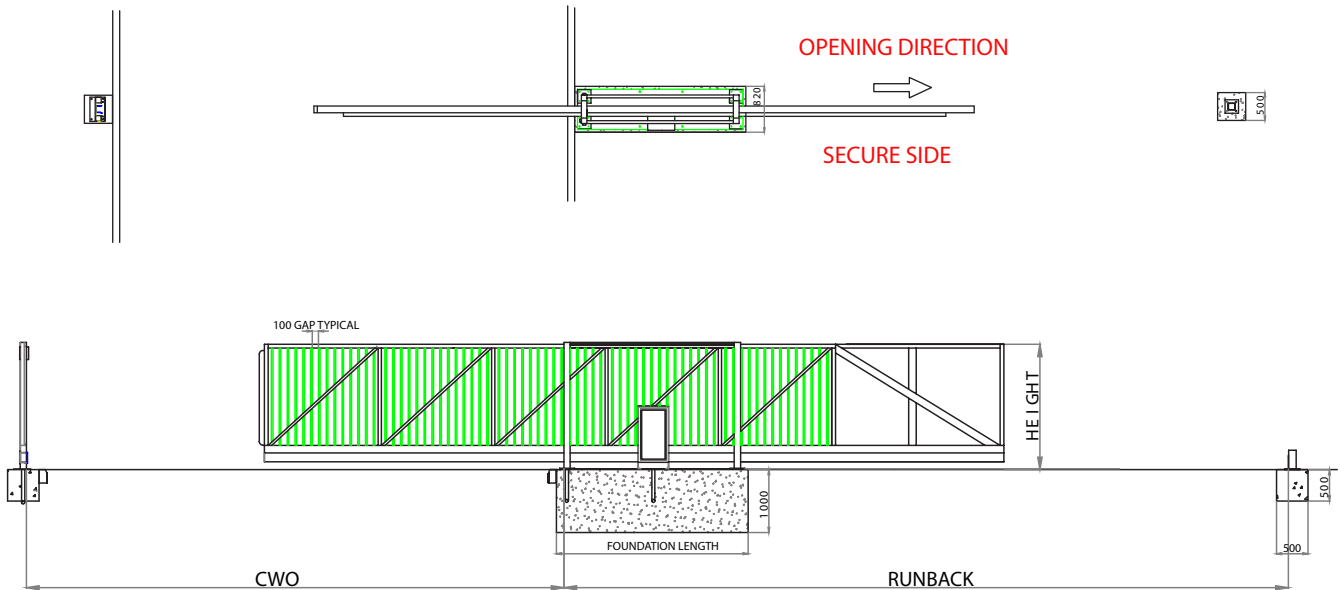
Features

- High quality coating system
- Galvanised/Zinc sprayed or 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 Cantilever Gates



Technical Details

Basic Power Requirements:	Cantilever - 230v Single phase 50Hz supply 230V/400V 3 phase (option) 110V (option) The incoming mains supply to the control panel is normally single phase 220/250V, 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 10m Clear width openings and heights are normally 2.1m or 2.4m, infills and panels available are dependent 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 Gate runback protection. This is to prevent a person, entering 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.

Options Available

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



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Avon Barrier reserve the right to change or amend the specification of its products from time to time in furtherance of its policy of continued improvements.

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