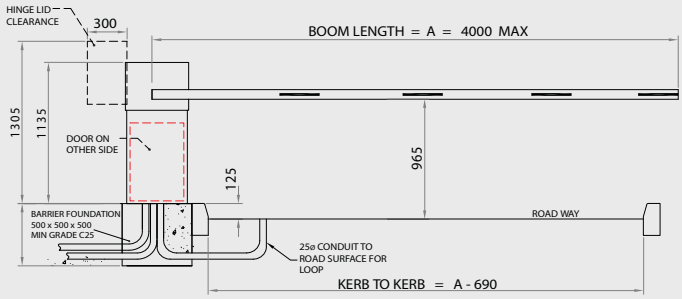
EB450 Parking Barrier



The Avon EB450 Parking Barrier is an ideal automatic car park barrier for medium to high usage car parks and security control; it can easily integrate with revenue collection and access control systems.

The barrier stands 1135mm above foundation level, with the boom 840mm (to underside) above barrier cabinet foundation level. The heavy duty motor plate supports the 100% duty cycle permanent capacitor 4 pole T.E.F.C. motor, which powers the sinusoidal drive mechanism via an industrial grade low ratio gearbox. Two heavy duty bearings support the drive shaft; this having 2 machined cams to activate the adjustable limit switches to control the boom travel.

The hinged/removable lockable steel top cover provides access to the drive mechanism. The cabinet houses the barrier 'parking logic' control panel, providing the necessary power supply isolator, fuses, thermal overload trips and motor contactors. An integral support is provided to maintain the aluminium boom in the horizontal position.

Physical Dimensions:	Barrier Cabinet - 305mm W x 460mm D x 1135mm H
Basic Power Req:	230v single phase, 50Hz, 6 amp (optional international voltages available)
Control Voltage:	S.E.L.V 24v
Speed of Operation:	2.4 Seconds to raise or lower
Boom Height:	965mm underside of boom to road surface (125mm kerb)
Operating temperature range available:	-25°C - +70°C
Approx Weight:	105kg
Construction:	The all steel cabinet and cover are shot blasted, two pack high zinc primer, 40 microns followed by a yellow (RAL1007 other options available) textured polyester powder coated top coat, 40 microns. Boom profile - Rectangular extruded aluminium 76 x 38mm white powder coated with red fascal striping.
Installation:	The barrier foundation should consist of grade C25 concrete and it is recommended that the barrier is secured to the foundation using 4 M12 x 160mm chemical anchors. The installation of ducts for cabling is dependent upon the control criteria.

Features

- 100% Duty cycling
- Electro-mechanical drive unit
- Fast acting 2.4 secs
- Multi-process coating specification
- Modular design
- Winding handle facility
- 230v single phase 50Hz 6A

Benefits

- Reliable
- Low maintenance
- High traffic flow
- Durable
- Service spares
- Manual operation in event power failure
- Ease of installation

For safety reasons pedestrians, cyclists and motorcycles are advised not to use a barrier controlled roadway, additional safety measures can be incorporated into the barrier system if required. The barrier can be interfaced with existing or new access control systems.

- Access control & intercom systems
- Articulated Boom (up to 3m)
- Alternative cabinet colours available
- Black / Yellow boom fascal
- Left handed boom mounting
- Boom shear facility (up to 3m)
- Inductive loop systems
- Additional safety equipment including safety buffer, photo electric cell