



Avon Barrier Company Ltd

**Avon
RB780CR
Chieftain
High Security
Road Blocker**



RB780CR Chieftain High Security Road Blocker

The Avon RB780CR Chieftain High Security Road Blocker provides a high level of security against unauthorised vehicle access.

Designed to withstand direct impact forces in excess of 1,800 KJ, the blocker provides protection to sites from extreme Vehicle Borne Improvised Explosive Device (VBIED) attack.

Designed and Manufactured by engineers with significant experience in the fields of High Security and Access Control, the RB780CR is a highly dependable security product that will easily interface with a wide range of control equipment.

Units are assembled in our fabrication facilities using heavy gauge materials to give maximum strength and durability. This makes the RB780CR the ideal product to protect high security establishments, iconic buildings and critical infrastructure.

The RB780CR has been independently, structurally evaluated by the Transport Research Laboratory (TRL) and has also been physically tested in a number of full scale crash tests conducted in accordance with PAS68 by the Motor Industry Research Association (MIRA). This led to the RB780CR Chieftain High Security Road Blocker becoming one of the first British built roadblockers installed by the British Government.

Features

- Multiple testing (5 different / independent physical tests)
- Independently structurally evaluated
- Physically impact tested to highest PAS 68 criteria
- Manufactured from heavy gauge materials
- Manual hand pump facility
- Programmable Logic Control system
- 100% Duty cycling

Benefits

- Comprehensive understanding of attack resistance
- Protection from multi-direction impact approach
- Confidence in proven performance
- Strength and Durability
- Operational under power failure conditions
- Flexibility to interface with all forms of access control
- Reliable and Dependable

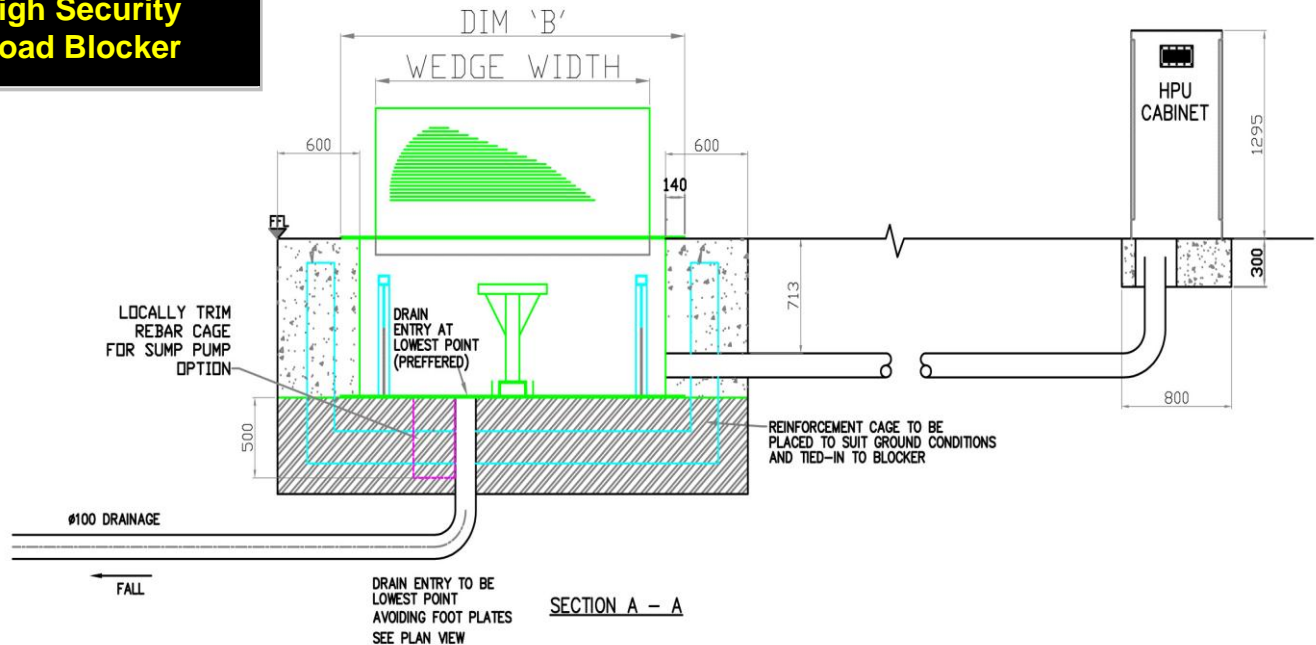
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Technical Specification



RB780CR Chieftain High Security Road Blocker

The RB780CR is an Electro-Hydraulically operated blocking system with segment widths available from 2m to 5m (in 500mm increments). The unit has an 800mm height when fully raised and is comprised of a static sub-surface ground frame with hinged, rising impact wedge. Raised/Lowered back indication signalling can be provided to enable remote monitoring of the blocker status on a real time basis (optional).

The hydraulic power pack is controlled by a programmable logic controller (PLC) enabling connection of virtually any access control to the blocker. In addition, the PLC can be configured to enable the blocker to be raised quickly (under 1 second) in an emergency by utilising an hydraulic accumulator (optional). In the event of power failure a manual pump is provided to ensure operator control is maintained.

Options

The blocker comes with a push-button control as standard, however it can be customised to interface with a wide range of access control equipment to suit specific customer requirements (available as options) and any configuration including (but not limited to) inductive loop systems, card readers, communication equipment and manned guard emergency systems can be accommodated. Where the Roadblocker control point is remote from the installation, we strongly recommend the fitting of a recordable CCTV system, traffic lights and safety inductive loop systems. For safety reasons pedestrians, cyclists and motorcycles are advised not to use a blocker controlled roadway, additional safety measures can be incorporated into the blocker system if required.

TECHNICAL DETAILS

Physical dimensions:

HPU Cabinet - 640/940mm W x 670mm D x 1300mm H
2m Road Blocker- 2510mm W x 1770mm D x 1000mm H

Basic Power requirements:

3-Phase 415V AC, 50Hz, 20 amps (other voltages are available)
Control Voltage S.E.L.V 24 v

Performance: Loading - 30 Tonnes

Impact absorption: 1852KJ (fully operational immediately after impact)

Full PAS 68 Classification: V/7500(N2/80/90:5/0)

Tested Model: 800mmHx2.0mW

Speed of operation: 6 Seconds to raise or lower

Emergency Fast Raise Option: <1 second to raise

Construction: The supporting framework is constructed from fully welded, heavy gauge, steel angle and box section completely encased with steel sheets to provide a self-shuttered module. Sub-surface fixina points ensure the blocker is



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

REF ABC/ Avon Chieftain RB780CR Road Blocker version 1.3 6_2012



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