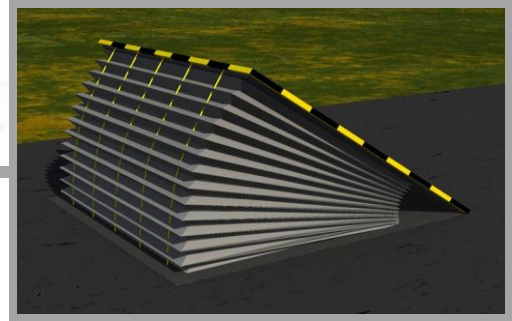




Avon Barrier Company Ltd

**Avon
RB880CR
Defender
High Security
Road Blocker**



RB880CR Defender High Security Road Blocker

The Avon RB880CR Defender High Security Road Blocker provides a high level of protection where deeper foundations are not possible / practical.

Designed to complement the Avon Barrier range of high security equipment the RB880CR is PAS 68 tested and can withstand direct impact forces in excess of 1,800 KJ, the blocker provides shallow mounted protection to sites from extreme Vehicle Borne Improvised Explosive Device (VBIED) attack.

Developed by our in-house engineering team to overcome specific site limitations and using the experience gained with the design, testing and production of the RB780CR, the RB880CR is an additional 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 RB880CR an ideal product to protect high security establishments, iconic buildings and critical infrastructure where existing underground services or other depth restrictions are an issue.

The RB880CR has been independently physically tested in a number of full scale crash tests conducted in accordance with PAS 68 by the Transport Research Laboratory (TRL). This led to the RB880CR Defender High Security Road Blocker becoming the first British built shallow mounted road blockers installed by the British Government.

Features

- Multiple testing (4 different / independent physical tests)
- Independently structurally evaluated
- Physically impact tested to 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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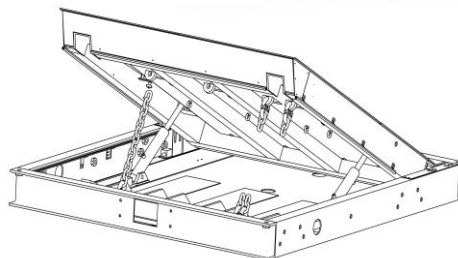
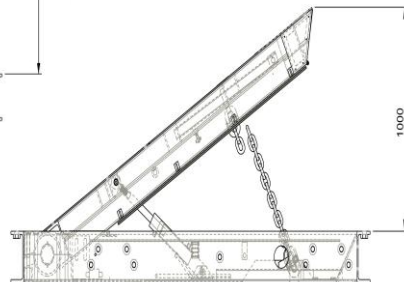
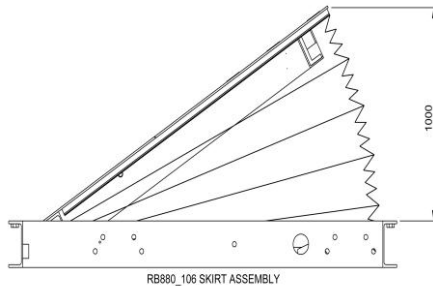
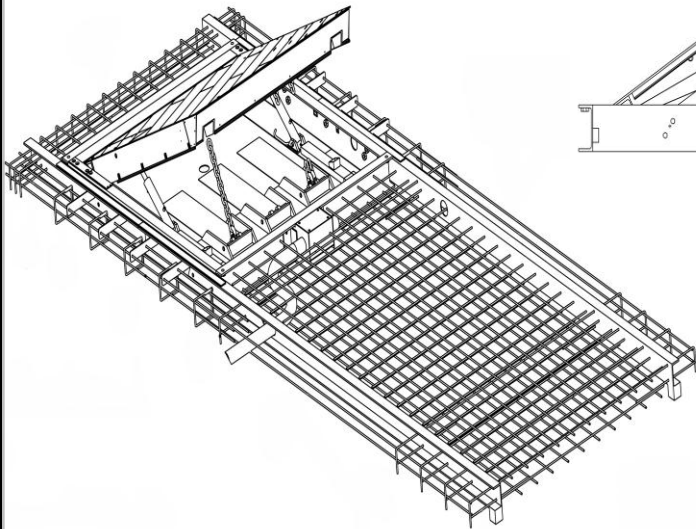
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RB880CR

Avon Defender
High Security
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Technical Specification



RB880CR Defender High Security Road Blocker

The RB880CR is an Electro-Hydraulically operated blocking system with a standard segment width of 2m. The unit has an imposing 1 m height when fully raised and is comprised of a static sub-surface ground frame with foundation support legs and a hinged, rising impact wedge. Raised/Lowered back indication signaling 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 a 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 road blocker 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.

Physical Dimensions:

HPU Cabinet: 640/940mm W x 670mm D x 1300mm H

Road Blockers: 2520mm W x 2210mm D x 240mm H

Basic Power requirements:

3-Phase 415V AC, 50Hz, 20 Amps (other voltages are available)

Control Voltage S.E.L.V 24v

Loading: 30 Tonnes

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

Full PAS 68 Classification: V/7500(N2)/48/90:.0/0 & V/7500(N2)/80/90:.0/0

Tested Model 1mHx2.0mW

Standard 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.

Foundation support legs are provided to create a linked foundation enabling the impact forces to be distributed over a larger shallow area.



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/ Avov RB880Cr Defender Road Blocker/Version 1.3.6/2012



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