



**Avon Barrier**

## Avon RB980CR Sabre Surface Road Blocker



**Avon RB980CR Sabre High Security Surface Road Blockers** provide temporary high level protection where sub-surface foundations are not practical.

Designed mainly for temporary requirements the RB980CR is suitable as a high security control point for conferences or military checkpoints. Its fast deployment and high protection level makes the RB980CR ideal as a Logistic Support barrier for use in theatre and support base protection.

The adaptability of the RB980CR complements the Avon Barrier range of Hostile Vehicle Mitigation (HVM) solutions and can withstand direct impact forces in excess of 1,852 KJ, providing surface mounted protection to sites from extreme Vehicle Borne Improvised Explosive Device (VBIED) attack.

Developed in conjunction with the British military, our in-house engineering team designed these modular road blockers to combine ease of transportation and deployment with a high level of immediate protection.

Components are assembled in our fabrication facilities using a combination of an RB880CR blocking system in conjunction with modular approach ramps constructed using heavy gauge materials to give maximum strength and durability. This makes the RB980CR the best solution to secure sites needing temporary and immediate high security protection.

### Features

- ✦ Multiple testing (4 different / independent tests)
- ✦ Surface mounted road blocker - no foundations
- ✦ Modular construction
- ✦ Physically impact tested to PAS 68 criteria
- ✦ Manufactured from heavy gauge materials
- ✦ Manual hand pump facility
- ✦ Programmable logic control system
- ✦ 100% duty cycling

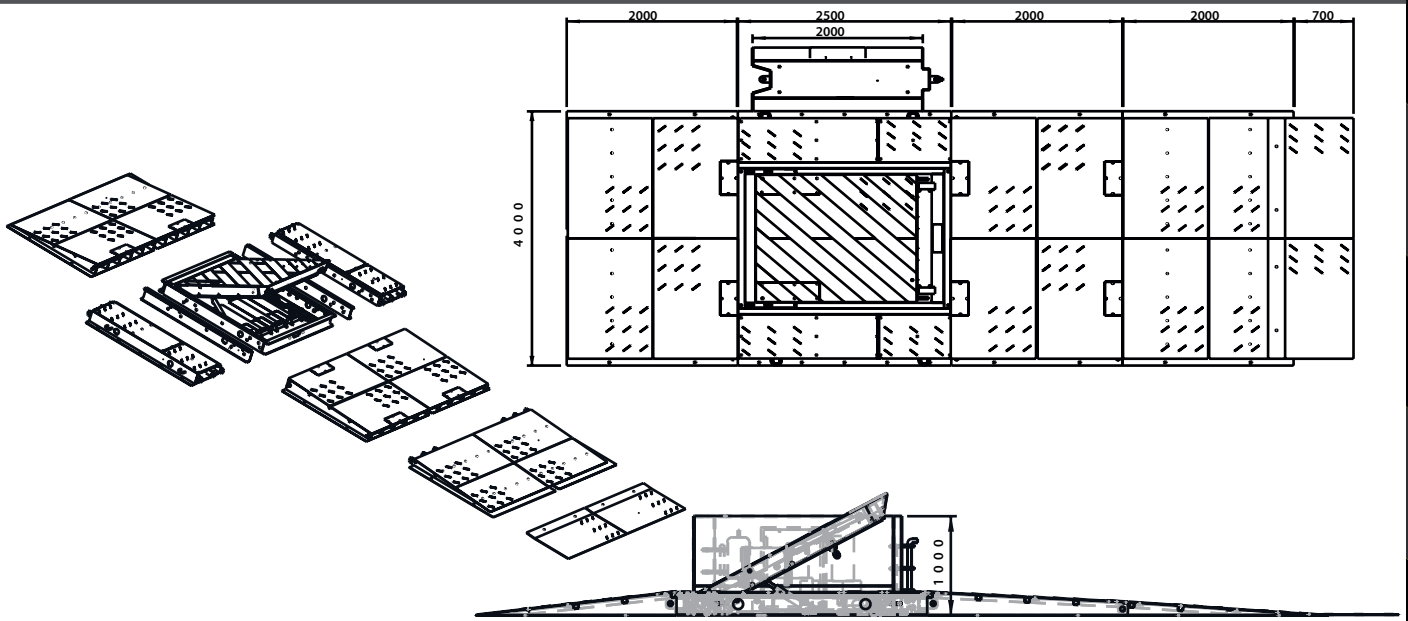
### Benefits

- ✦ Comprehensive understand of attack resistance
- ✦ No foundation requirements
- ✦ Fast deployment, operational within 1 hour (dependant on site conditions)
- ✦ Strength and durability
- ✦ Operational under power failure conditions
- ✦ Flexibility to interface with all forms of access control
- ✦ Reliable and dependable

**Hostile Vehicle Mitigation**

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# Technical Specification RB980CR Sabre Surface Road Blocker



The hydraulic power pack, which is attached to the ramp system, 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 road 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.



## Technical Details

Physical Dimensions:	HPU Cabinet - 2000mm W x 1000mm D x 1000mm H (can also be smaller and positioned remote from Blocker) Road blocker - 4000mm W x 9200mm L x 240mm H (Dimensions variable to suit site requirement)
Basic Power Requirements:	3-Phase 415V AC, 50Hz, (other voltages are available)
Control Voltage:	S.E.L.V 24v
Performance:	Loading 20 Tonnes
Impact Absorption:	1852KJ (fully operational immediately after initial impact)
Full PAS68 Classification:	V/7500(N2)/80/90:8.5/12.8
Tested Model:	1mHx2.0mW
Speed of Operation:	6 Seconds to raise or lower
Emergency Fast Raise:	<1 second to raise (option)
Operating temperature range available:	-25°C - +70°C
Construction:	The supporting framework is constructed from fully welded, heavy gauge, high strength, structural steels. Fixing points for AEH Sets, All terrain fixings, roadway fixing points are provided around the ramp kit edging, alternatively surface mounted counter weights can be provided.

## Options Available

The surface road blocker comes with a push-button control as standard and manned guard emergency systems can be accommodated. Where the blocker control point is remote from the installation, we strongly recommend the fitting of a recordable CCTV system, traffic lights. It is also recommended that a debris protection skirt is fitted to the road blocker.

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.

- Emergency fast raise system
- Emergency buttons with lock down
- Accumulator systems for hydraulic operation in power failure conditions
- Access and intercom systems
- UPS backup for the electrical system
- Traffic lights and back-indication system
- LPS 1175 cabinet available for HPU
- Counter weight side barges
- Roadway fixing bolts
- Integral inset warning lights in blocking segment
- Debris protection skirt



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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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