



Avon Barrier

Avon RB880CR K4 Defender Road Blocker



Avon RB880CR K4 Defender Shallow Road Blocker provides a high level of protection where deeper foundations are not possible / practical.

With a foundation depth of less than 300mm the road blocker is designated as a Vehicle Security Barrier (VSB) and has been independently physically impact tested by The Transport Research Laboratory (TRL).

The test was conducted using a 7500kg vehicle travelling at 50 kph (30 mph), proving its capability and fulfilling the requirements of the impact test by stopping and immobilising the vehicle with zero penetration. The blocker did not suffer any permanent deflections, and remained operational after the impact with just minor cosmetic damage.

With minimal disruption required during installation, the RB880CR has been developed by our in-house engineering team to overcome sites which face foundation depth restrictions. The blocker is available in widths of 2m or 3m and can be fitted with a debris protection skirt as an option.

The blocker is hydraulically operated, driven both up and down by a double acting hydraulic ram ensuring a positive action at all times without reliance on gravity for operation. The hydraulic power unit (HPU) is positioned locally within an externally rated cabinet and an emergency fast raise operation option is also available, along with other specific client requirements.

A Hostile Vehicle Mitigation (HVM) solution providing protection to sites from Vehicle Borne Improvised Explosive Device (VBIED) attack.

Developed and manufactured by engineers with significant experience in the fields of high security and access control the RB880CR K4 is a highly dependable security product and is an ideal product to protect high security establishments and critical infrastructure where foundation depth is a problem.

Features

- Physically impact tested to PAS 68 criteria
- Shallow foundation 300mm overall depth
- Manufactured from heavy gauge materials
- Manual hand pump facility
- Programmable logic control system
- 100% duty cycling

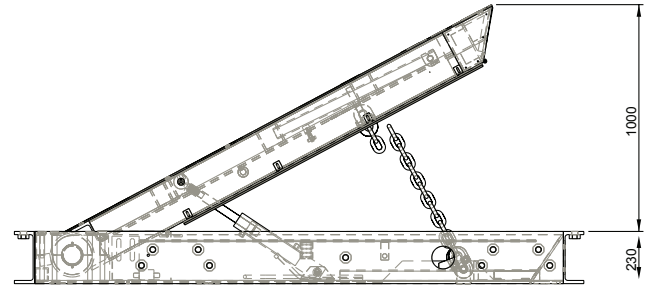
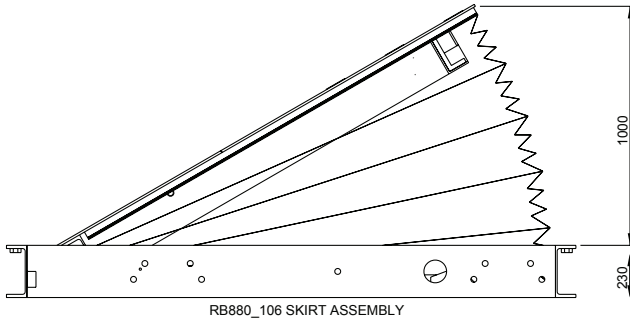
Benefits

- Confidence in proven performance
- Overcomes site depth restrictions
- 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 RB880CR K4 Defender Road Blocker



The RB880CR K4 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 configurations include (but are not limited to) inductive loop systems, card readers, communication equipment and manned guard emergency systems.



Technical Details

Physical Dimensions:	HPU Cabinet - 640/940mm W x 670mm D x 1300mm H Road blockers (2m width) - 2520mm W x 2210mm D x 240mm H (2M & 3M widths are available)
Basic Power Requirements:	3-Phase 415V AC, 50Hz, (other voltages are available)
Control Voltage:	S.E.L.V 24v
Performance:	Loading 20 Tonnes
Full PAS68 Classification:	V/7500(N2)/48/90:0/0
Tested Model:	1mHx2.0mW
Speed of Operation:	6 Seconds to raise or lower
Emergency Fast Raise:	<1 second to raise
Operating temperature range available:	-25°C - +70°C
Construction:	The supporting framework is constructed from fully welded, heavy gauge, high strength structural steels. Foundation support legs are provided to create a linked foundation enabling the impact forces to be distributed over a larger shallow area.

Options Available

Where the blocker control point is remote from the installation, we strongly recommend the fitting of a recordable CCTV system, traffic lights and inductive loop systems. It is also recommended that a debris protection skirt is fitted.

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
- Interlocking systems to give air-lock type protection on sites with higher threat levels
- LPS 1175 cabinets available for HPU
- Inductive loop systems
- Traffic lights and back-indications systems
- 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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