

# Avon EB50CR Armstrong Barrier



**Avon EB950CR Armstrong Security Barriers** provide a high level of protection where central roadway foundations are not possible / practical. Designed to complement the Avon Barrier range of Hostile Vehicle Mitigation (HVM) solutions, the EB950CR PAS 68 impact tested barrier can withstand direct impact forces in excess of 720 KJ, the barrier provides shallow mounted protection to sites from extreme Vehicle Borne Improvised Explosive Device (VBIED) attack.

Developed by our in-house engineering team using the Company's significant historical expertise in rising arm barrier solutions coupled with the experience of impact resistance theory, the EB950CR is a highly dependable security product that will easily interface with a wide range of control equipment. Assembled in our fabrication facilities using heavy gauge materials to give maximum strength and durability. The EB950CR is a traditional looking control barrier with the benefits of high level physical protection.

The EB950CR 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).

The barrier comes with a hold to run control as standard, the hydraulic power pack is controlled by a programmable controller. 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 and communication equipment can be accommodated. In the event of power failure a manual pump is provided to ensure operator control is maintained.

**Hostile Vehicle Mitigation**

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# EB950CR Armstrong Barrier

## SPECIFICATION

Physical Dimensions:	600mm W x 890mm D x 1230mm H      Barriers Arm - 5m max Barriers catcher foundations - 1500mm W x 3600mm D x 470mm H
Basic Power Requirements:	Single phase 220V AC, 50Hz, Min 16 Amps (dependent on configuration)
Control Voltage:	S.E.L.V 24v
Full PAS68 Classification:	V/7500(N2)/48/90:0/0
Impact Absorption:	723KJ (fully operational immediately after impact)
Tested Model:	1m H x 3m W
Speed of Operation:	6 - 10 Seconds to raise or lower
Operating temperature range available: (option)	-25°C - +70°C
Construction:	The boom catcher frames are fabricated from heavy steel sections, designed to support the boom in the lowered position. The boom is fabricated from heavy steel section clamped to a lift yoke. Main barrier cabinet is constructed from steel plate.
Installation:	The barrier foundation should consist of grade C35 concrete and it is recommended that the barrier is secured to the foundation using 4 M12 x 160mm chemical anchors.



## Features

- Physically impact tested to PAS 68 criteria
- Shallow mounting from 450mm overall depth
- Manufactured from heavy gauge materials
- Manual hand pump facility
- Programmable controller
- 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

## OPTIONS

Please note this is a specialist high security product and is designed for use with vehicles only and a full site risk assessment must be carried out at design stage to ensure all relevant safety systems are included.

- Inductive loop systems
- Access control & intercom systems
- Integral inset warning lights
- Alternative cabinet colours available
- Accumulator systems for hydraulic operation in power failure
- Emergency buttons with lock down
- UPS backup for the electrical system
- Interlocking systems to give air-lock type protection on sites with higher threat levels
- Traffic lights and back-indications systems

