

# Avon SB970CR Scimitar Bollard



The Avon SB970CR Scimitar Security Bollard provides a high level of security against unauthorised vehicle access without the need for an outwardly aggressive appearance.

A Hostile Vehicle Mitigation (HVM) solution designed to withstand direct impact forces in excess of 1,800 KJ, the bollard provides protection from extreme Vehicle Borne Improvised Explosive Device (VBIED) attack to sites where aesthetics and public perception are a consideration.

Designed and manufactured by engineers with significant experience in the fields of high security and access control the SB970CR is a highly dependable and yet unobtrusive 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 SB970CR an ideal product to provide low profile yet fully effective protection for high security establishments, iconic buildings and critical infrastructure.

The SB970CR is an electro-hydraulically operated bollard system with a 1000mm height when fully raised. Raised/Lowered back indication signalling can be provided to enable remote monitoring of the bollard status on a real time basis (optional).

The hydraulic power pack is controlled by a programmable logic controller (PLC) the HPU can provide outputs for a number of bollards for simultaneous operation. In the event of power failure a manual pump is provided to ensure operator control is maintained.

# SB970CR Bollard

## SPECIFICATION

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|---|--|
| Physical Dimensions:                            | HPU Cabinet - 640/940mm W x 670mm D x 1300mm H<br>Single Bollard - 610mm W x 610mm D x 2000mm H  |
| Basic Power Requirements:                       | 3-Phase 415V AC, 50Hz, 20 Amps (other voltages are available)  |
| Control Voltage:                                | S.E.L.V 24v  |
| Performance:                                    | Loading 30 Tonnes  |
| Impact Absorption:                              | Single SB970CR -1852KJ (fully operational immediately after impact)<br>Dual SB970CR - 1852KJ (fully operational immediately after impact)  |
| Full PAS68 Classification:                      | V/7500(N2)/80/90:0/25  |
| Tested Model:                                   | 990mmH x 322mm   |
| Speed of operation:                             | 6 second to raise or lower (other speeds available)  |
| Operating temperature range available (option): | -25°C - +70°C  |
| Construction:                                   | The unit is comprised of a static sub-surface mounting tube and impact tube. The supporting framework is constructed from fully welded, high strength, structural steel completely encased with steel sheets to provide a self-shuttered module. The 323.9mm (+/- 1%) diameter bollard is constructed using hi-tensile structural steel. |

## Features

- Multiple testing (single bollard / multiple bollards)
- Physically impact tested to PAS 68 criteria
- Unobtrusive appearance
- Manufactured from heavy gauge materials
- Manual hand pump facility
- Programmable logic control system
- 100% duty cycling

## Benefits

- Aesthetically acceptable
- Ease of installation
- Confidence in proven performance
- Operational under power failure conditions
- Flexibility to interface with all forms of access control
- Reliable and dependable
- Simple to install



## OPTIONS

Where the bollard control point is remote from the installation, we strongly recommend the fitting of a recordable CCTV system, traffic lights and 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.

- Traffic lights and back-indications systems
- Access and intercom systems
- Emergency buttons with lock down
- Accumulator systems for hydraulic operation in power failure conditions
- Decorative sleeves (fibre glass / stainless steel)
- UPS backup for the electrical system
- Inductive loop systems
- Interlocking systems to give air-lock type protection on sites with higher threat levels
- LPS 1175 cabinets available for HPU

