



**Avon Barrier Company Ltd**

**Avon  
EB1400CR  
Trojan  
Security  
Barrier**



### **The Avon EB1400CR Trojan Security Barrier**

provides a high level of protection where central roadway foundations are not possible / practical.

Designed to complement the Avon Barrier range of high security blocking systems the EB1400CR can withstand direct impact forces in excess of 1852KJ, 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 significant experience of impact resistance theory, the EB1400CR is a highly dependable security product that will easily interface with a wide range of control equipment. Barriers are assembled in our fabrication facilities using specialist heavy gauge materials to give maximum strength and durability. The EB1400CR provides a high level physical protection.

The EB1400CR has been independently **physically tested** conducted in accordance with PAS 68 (7500kg vehicle travelling at 80kph) by the Transport Research Laboratory (TRL).

#### **Features**

- Physically impact tested to highest PAS 68 criteria
- Manufactured from specialist heavy gauge materials
- Variable clear widths
- Manual operating override facility
- High quality coating system
- Shallow mounting less than 500mm overall depth

#### **Benefits**

- Confidence in proven resistance performance
- Strength and Durability
- Flexibility to suit site requirements
- Operational under power failure conditions
- Reliable and Dependable
- Overcomes site depth restrictions

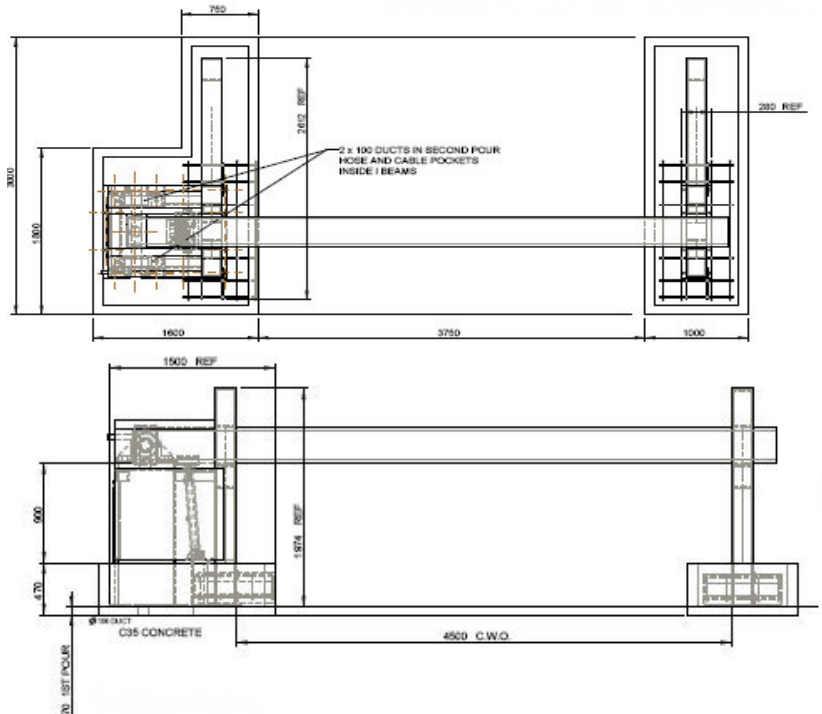
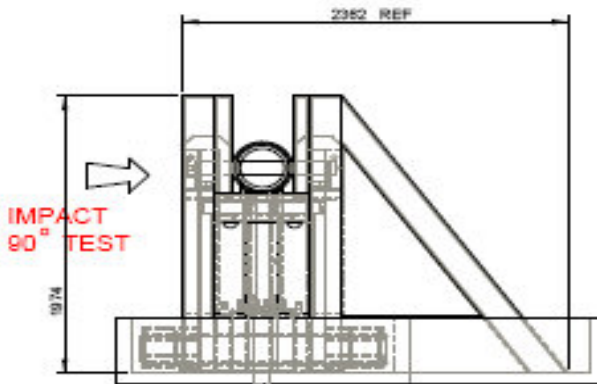
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# EB1400CR

## Avon Trojan Security Barrier

# Technical Specification



### EB1400CR Trojan Security Barrier

The EB1400CR is an Electro-Hydraulically operated rising arm barrier available with a range of arm widths. The barrier arm sits 900mm above the roadway and is supported by 2 side support frames.

Raised/Lowered back indication signalling can be provided to enable remote monitoring of the barrier status on a real time basis (optional).

The hydraulic power pack is controlled by a programmable controller enabling connection of virtually any access control to the barrier. In the event of powerfailure a manual pump is provided to ensure operator control is maintained.

#### Options

The Barrier 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 and communication equipment can be accommodated. For safety reasons pedestrians, cyclists and motorcycles are advised not to use a barrier controlled roadway, additional safety measures can be incorporated into the barrier system if required. Where the Barrier control point is remote from the installation, we strongly recommend the fitting of a recordable CCTV system, traffic lights and safety inductive loop systems.

#### Options available

- Access control and Intercom systems
- Inductive loop systems
- Interlocking systems to give air-locktype protection on sites for higher threat levels
- Traffic lights and back indication systems
- Boom warning lights
- Drop and Full height skirts

#### Technical Details

##### Physical Dimensions:

Foundations for Cabinet & Catcher -1600mm x3000mm x 470mm H  
Single Catcher foundations -1000mm W x 3000mm D x 470mm H  
Barrier Arm – typically 4.5m Clear Width Opening

##### Basic Power requirements:

Three phase 400V AC (Alternatives may be available)

##### Control Voltage S.E.L.V 24v

**Typical Speed of Operation** – typically 15 Seconds to raise or lower

**Impact absorption:** 7500kg @80kph (1852KJ)

**PAS 68 Classification:** V/7500[N3]/80/90:10.5/25.0

##### Construction:

The Boom Catcher Frames are fabricated from heavy structural steel sections, which are anchored into the foundations: they are designed to support the boom in the lowered position and to take a full impact load.

Main Cabinet is constructed from steel; it houses the hydraulic equipment/reservoir, drive mechanism and electrical enclosure.



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/EB1400CR Trojan  
Barrier/Version 1.1.6/2010



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