



## **HCR4M1200RB (30)**



### **Overview**

Tested at MIRA, the test was undertaken against Heald's 1165 mm raise Roadblocker. The test was conducted using an empty 30 tonner (weighing 30 tonnes) travelling at 80 kph (50 mph). The Roadblocker successfully stopped the vehicle with nil penetration and conformed to BSI PAS 68: 2010 (Specification For Vehicle Security Barriers). The Roadblocker was tested against a 30 tonne truck, travelling at 80 kph and proved successful, with the Roadblocker continuing normal operation following the impact.

The HCR4M1200RB(30) is the only Roadblocker of its kind to hold the highest specification for PAS 68:2010 (at 30 tonnes). The HCR4M1200RB also holds a Secured By Design licence from ACPO (Association of Chief Police Officers).

### **Description**

The key to Heald's complete success lie in the unique design of the Roadblocker.

Specially constructed integral impact absorbers and a sacrificial front radius plate unique to Heald are incorporated into the heavy duty construction, these draw most of the impact away from the main body of the blocker helping to

disperse the energy within the front face and so alleviate impact damage to the surrounding outer fabrication and concrete foundation. The front radius plate can be quickly and easily replaced whilst the Roadblocker is in the raised position, thus maintaining site security at all times.

No reinforcing of concrete is necessary and no pre-casting of the pit is required, enabling fitting to be completed quickly and efficiently (usually within one day under normal conditions).

Roadblocker has optional galvanised wedge and hinge to BS EN ISO 1461, primed and painted black and yellow.

The cabinet is manufactured from 3mm Zintec sheet (900mm wide x 1200mm high x 600mm deep) and powder coated grey or white as standard (alternative colours on request). The cabinet is fitted with an integral lock.

### **Mechanism**

The Roadblocker is operated via a heavy duty hydraulic power pack housed within the cabinet complete with a programmable control system with visual status. Various access controls are available to operate the Roadblocker. Available with the option of an accumulator and push button for Emergency Fast Operation.

The optimum recommended distance from Power pack to Roadblocker is 10m (33ft). Power pack includes:

Motor Unit  
Hydraulic Pump  
20 litre capacity oil tank

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# Technical Specifications

<b>Height:</b>	Total raised height 1165mm.
<b>Width:</b>	4000mm. A 4 metre Roadblocker will secure an opening of 6.2 metres.
<b>Composition:</b>	Heavy duty 10mm Steel plate reinforced to evenly distribute any impact. Internal crash plate supported by sectional steel mid plates covered with sacrificial front radius plate, incorporating impact absorption bars.
<b>Cabinet:</b>	1200mm high x 900mm wide x 600mm deep. 3mm Zintec Steel sheet finished in white (alternative colours on request).
<b>Mechanism:</b>	4 kW motor. Immersed pump. Extra Heavy Duty solenoid valves (110VDC) for reliability and safety in operation.
<b>Power failure:</b>	Option of remaining raised or lowered in the event of power failure.
<b>Interface:</b>	Can interface with most access systems.
<b>Duty Cycle:</b>	100%.
<b>Normal operating speed:</b>	4-7 seconds.
<b>Accumulator speed:</b>	1.5 seconds. (All times are approximate).
<b>Power:</b>	To suit country and customers requirements but typically 415v/3 ph/50 Hz.
<b>PLC Control Voltage:</b>	110vAC.
<b>PLC Logic Voltage:</b>	24vDC.
<b>Optional Accessories:</b>	Traffic lights, intercom, transponder, transmitter, keypad, token/coin acceptors, proximity card, push button etc.
<b>EFO (Emergency Fast Operation):</b>	10 Litre Accumulator.
<b>Safety/Security:</b>	Option of inductive loops and photo beam. Option of security cover to prevent unauthorised access to hydraulic systems.
<b>Manufacture:</b>	All manufacturing exceeds BS 6571, all welding to BS 4872. Heavy duty steel durbar top plate 10mm thick. Optional galvanised wedge and hinge to BS EN ISO 1461. Primed and painted black and yellow..
<b>Installation:</b>	Does not require pre-cast or reinforced concrete pit.
<b>Delivery:</b>	The Roadblocker is delivered in two elements - Blocker and cabinet.
<b>Axle loadings:</b>	Will withstand any road going vehicle (in house certificate).
<b>Crash Rating:</b>	PAS 68 -V1 / ROADBLOCKER / 30000 / 80 :0 / 6.85
<b>Licence:</b>	Secured By Design - Association of Chief Police Officers (ACPO).



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Due to a program of continuous development, specifications may be subject to change without notice.