



## **M800CR4 Crash Tested PAS 68 Roadblocker**



Tested at the Transport Research Laboratory, the tests were conducted using an empty 18 tonner (weighing 7.5 tonnes) travelling at 80 kph (50 mph) and with a standard 7.5 tonne truck at a speed of 80 kph (50 mph). The blocker disabled the vehicles in both instances and continued normal operation after impact and replacement of the front radius plate. Both tests were carried out to the impact criteria of the PAS 68 British Standard and in energy terms exceed the American Department of State K12 rating (this being 6.8 tonnes @ 80 kph/ 50 mph).

### **Description**

The key to Heald's complete success in both tests lie in the unique design of the Roadblocker. Specially constructed integral impact absorbers and a sacrificial front radius plate 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). The Roadblocker is hot dip galvanised to BS EN ISO 1461.

The cabinet is manufactured from 3mm Zintec sheet 900mm wide x 1200mm high x 600mm deep. Powder coated grey or white and 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

**Heald Crash Tested PAS 68 Roadblocker  
Model: M800CR4**

**Email: [sales@heald.uk.com](mailto:sales@heald.uk.com) web: [www.heald.uk.com](http://www.heald.uk.com)**

# Technical Specifications

<b>Mechanism:</b>	3 kW motor. Immersed pump. Extra Heavy Duty solenoid valves for reliability and safety in operation. Approximate running pressure 25 bar. Approximate maximum running pressure 80 bar.
<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>	4-6 seconds.
<b>Accumulator speed:</b>	1.5 seconds. (all times are approximate).
<b>Power supply:</b>	To suit country requirements.
<b>Power Rating:</b>	3ph rated at 10 amp.
<b>PLC Control Voltage:</b>	110vAC.
<b>PLC Logic Voltage:</b>	24vDC.
<b>Delivery:</b>	The Roadblocker is delivered in two elements - Blocker and cabinet.
<b>Axle Weight:</b>	Any road going vehicle (in house test certificate).
<b>Crash Rating:</b>	7.5 tonnes @ 80 kph/ 50 mph with nil penetration– PAS 68: 2007 In energy terms exceeds DOS K12 certification @ 6.8 tonnes.
<b>Optional Accessories:</b>	Traffic lights, Hydraulic hand pump, card system, fobs, transponder, transmitter, keypad, token/coin acceptors, touch card, push button.
<b>EFO (Emergency Fast Operation):</b>	6 Litre Accumulator.
<b>Safety/Security:</b>	Option of loops and photo beam. 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. Integral crash bars.
<b>Installation:</b>	Does not require precast or reinforced concrete pit.
<b>Guarantee:</b>	To receive the above impact and still operate.



T: + 0044 (0)1964 535858 F: + 0044 (0)1964 532819

**Email: [sales@heald.uk.com](mailto:sales@heald.uk.com) web: [www.heald.uk.com](http://www.heald.uk.com)**

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