



PAS 68 M800CR4 Roadblocker



Overview

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 British Standard PAS 68: 2007 (Specification For Vehicle Security Barriers) and in energy terms exceed the American Department of State K12 rating (this being 6.8 tonnes @ 80 kph/ 50 mph). The M800CR4 holds a Secured By Design Licence.

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 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

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POLICE PREFERRED
SPECIFICATION

Technical Specifications

Height:	Total raised height 880mm.
Width:	4000mm. A 4 metre Roadblocker will secure an opening of 6.2 metres.
Composition:	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.
Cabinet:	1200mm high x 900mm wide x 600mm deep. 3mm Zintec Steel sheet finished in white (alternative colours on request).
Mechanism:	3 kW motor. Immersed pump. Extra Heavy Duty solenoid valves (110VDC) for reliability and safety in operation.
Power failure:	Option of remaining raised or lowered in the event of power failure.
Interface:	Can interface with most access systems.
Duty Cycle:	100%.
Normal operating speed:	4-6 seconds.
Accumulator speed:	1.5 seconds. (All times are approximate).
Power:	To suit country or customer requirements but typically 415v/3 ph/50 Hz.
PLC Control Voltage:	110vAC.
PLC Logic Voltage:	24vDC.
Optional Accessories:	Traffic lights, intercom, transponder, transmitter, keypad, token/coin acceptors, proximity card, push button etc.
EFO (Emergency Fast Operation):	6 Litre Accumulator.
Safety/Security:	Option of inductive loops and photo beam. Option of security cover to prevent unauthorised access to hydraulic systems.
Manufacture:	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.
Installation:	Does not require pre-cast or reinforced concrete pit.
Delivery:	The Roadblocker is delivered in two elements - Blocker and cabinet.
Axle loadings:	Will withstand any road going vehicle (in house certificate).
Licence:	Secured By Design - Association of Chief Police Officers (ACPO).
Guarantee:	To receive the aforementioned impact and still operate (test no. B3281).
PAS68 Classification :	V/7500 / 80 / 90 : 0 / 25



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