HEAVY DUTY AUTOMATED BOLLARD

Heavy Duty Automated Bollard

The Heavy Duty Automated Bollard is an ideal alternative to the roadblocker when the environment requires an architecturally pleasing security system. Lying flush to the road surface when at rest, the bollard raises to a height of either 640mm or 800mm at full extension, providing a formidable barrier against unauthorised entry/exit.

The Heavy Duty Automated Bollard can be operated by a range of access control systems and is controlled by a central Mitsubishi PLC. The standard raise time of three to four seconds can be accelerated to approximately 1.5 seconds with the optional edition of an accumulator and push button for Emergency Fast Operation.

- Suitable for bus lane control, pedestrian walkways, car parks and high security sites.
- Designed to be used by vehicles up to 90 tonne.
- Designed and manufactured 'in-house' under strict quality control at every stage.

Description

Constructed from 220mm diameter heavy duty steel tube with a 5mm or 8mm wall thickness, the bollard is hot dip galvanised to BS EN ISO 1461 and is welded in accordance with BS 4872. The outer casting is constructed from heavy duty steel and encased into a concrete pit. Finished in black, the bollard comes with a yellow reflective band (alternative colours available upon request.

The cabinet is manufactured from 3mm Zintec sheet 600mm wide x 1200mm high x 400mm deep, powder coated grey and fitted with a high security integral lock. (Larger size cabinet for 2 no. bollards).

It is recommended that the bollards are fitted at 1600mm centres.

Mechanism

The Heavy Duty Automated Bollard 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 bollard.

The optimum recommended distance from the power pack to bollards is 10 metres (33ft). However, this can be increased. Power pack includes:

- Motor Unit
- Hydraulic Pump
- 10 litre capacity oil tank.

Due to a continuous program of development Heald reserve the right to change specifications at any time.

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MADE IN BRITAIN

Product Code
HAB220640/800

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Technical Specifications	
Mechanism	0.37 KW single acting motor. Immersed pump. Extra Heavy Duty solenoid valves for reliability and safety in operation. Approximate running pressure 25 bar. Approximate maximum running pressure 40 bar.
Function	Passage in both directions electronically controllable via Mitsubishi PLC.
Power Failure	Bollard will remain in the stalled position.
Manual release	Facility for manual release available.
Fire alarm	Connection to fire alarm - option available to automatically lower in the event of fire alarm signal (power must be applied).
Interface	Can interface with all access systems.
Duty cycle	100%.
Operating speed	3-4 seconds to raise, 2 seconds to lower (all times are approximate).
Power	240V/1ph/50Hz. 415V/3ph/50Hz, or to suit country requirements.
PLC Control Voltage	110V AC.
PLC Logic Voltage	24V DC.
Delivery	The bollard is delivered in two elements - automated bollard and cabinet.
Axle weight	Up to 90 tonne.
Accessories	Traffic lights, card system, transponder, transmitter, keypad, token/coin acceptors, proximity card and push button.
Safety/security	Option of inductive loops and photo beam. Removable cover giving access to control connections for easy installation and maintenance. Option of accumulator and push button for Emergency Fast Operation.

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