

HEALD

HT2-MATADOR 4 SURFACE MOUNT SYSTEM



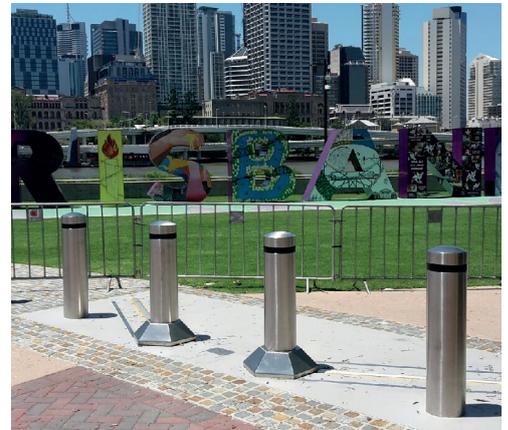
Heald's HT2-Matador 4 is closely based on the IWA 14-1 tested Matador 3 and offers a similar combination of security, automatic operation and surface mount installation. The Matador is the most resistant bollard of its type on the market due to its internal reinforcement which other bollards simply don't have.

The Matador 3 is the only surface mount automatic sliding bollard system available tested to halt a 7.2 tonne truck travelling at 64 kph. Not only did the Matador 3 arrest the test vehicle with a zero penetration rating, it also continued to function following the impact with no repairs. The Matador 4 is designed and manufactured to the same exacting standards.

The Matador 4 consists of two fixed bollards on a plate with two central sliding bollards. Heald's engineers have redesigned the system to offer not only enhanced security but also an even lower profile base plate and a reduction in visible moving parts. This makes it perfect for use in areas where constant pedestrian access is required. The system can also take alternative top plate covers to aid integration with local aesthetics; for example it could be specified with pavers to match an existing roadway.

The Matador offers a number of advantages over more traditional systems. Its surface mount installation is not only extremely fast and efficient, it also allows for fitting in areas where even shallow mount is impossible; for example, where underground ducting runs extremely close to the surface. It can be installed with a minimum of disruption to the road surface, making it ideal for short term or temporary installations. It is also available with EFO (Emergency Fast Operation) where required.

As well as the Matador, Heald can also offer the Fixed Matador.



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Axle Loadings	Will withstand any road going vehicle (In-house test certificate).
Bollard Height	1100 mm
Base Dimensions	5300 mm length x 2140 mm depth x 110 mm height
Composition	Welding in accordance with BS 4872-1:1982. Manufacturing in accordance with BS 6571.
Mechanism	Special mechanism and patent pending design Spec dependant on site requirements and may be altered after consultation with client. 2 x 3 kW motor; 4 kW with EFO function. Immersed pump. Extra Heavy Duty solenoid valves for reliability and safety in operation.
Recommended Oil	HVI Grade 22
Power	415 V/3ph and neutral/50 Hz. Alternatively, power to suit customer requirements.
PLC Control Voltage	24 V DC
Options	Emergency Fast Operation (EFO), Architectural Paving System, specialist cover options, trace heating, battery backup, Hydra Control and LED lighting
Normal Operating Speed	5 - 6 seconds approx
EFO Speed	2 seconds approx
Duty Cycle	100% rated.
Finish	Base shot blasted and applied with special hard wearing resin Top surface finished with anti-slip coating Bollards galvanised with stainless steel covers Optional cover plates to inset stone or granite on base to blend with surroundings
Cabinet	Cabinet size dependant on specific product and site requirements. Finished in white (alternative colours available on request).
Sitework	No pre-cast pit required. Various levels of installation service available. Please contact Heald for further details. Detailed drawings, technical guidance and full maintenance offered.
Matador	© Heald Ltd 2010 GB Patent Application Number GB1214486.1 PCT Patent Application Number PCT/GB2012/000821 US 10,119,230 US 9,315,956

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