

# HT2-MATADOR 3

## SURFACE MOUNT SLIDING BOLLARD



Heald's HT2-Matador 3 has revolutionised the perimeter security industry. It offers an unmatched combination of IWA-14 tested security, automatic operation and surface mount installation. It 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 arrest the test vehicle with a zero penetration rating, it also continued to function following the impact with no repairs.

The Matador consists of two fixed bollards on a plate, with a single central sliding bollard. 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 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.

The Matador's bollard configuration allows constant pedestrian access even whilst it is closed, and its stylish stainless steel blocking elements make it perfect for locations where integration with modern architecture is essential.

As well as the HT2-Matador, Heald can also offer the HT1-Fixed Matador, which features three or more static bollards and offers surface mounted static PAS68 security.

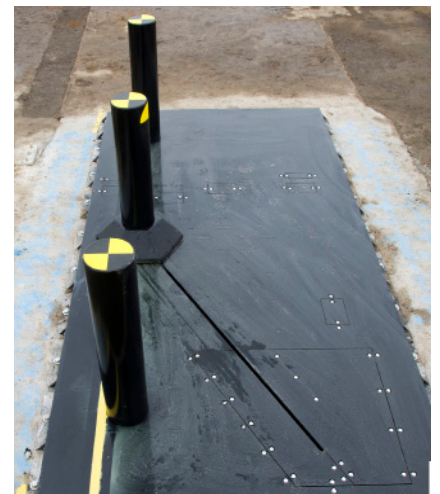
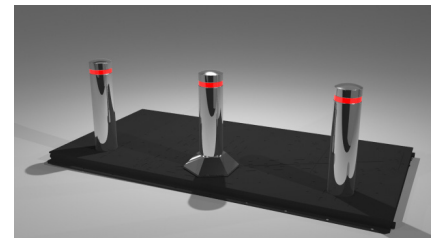
As with all Heald products, the Matador is available with Heald's Hydra control and monitoring system, which allows far more detailed interaction with the unit than any other system currently on the market.

### Installation and Integration

The HT2-Matador can be surface mounted on an appropriate base, which will require no excavation whatsoever; the unit is simply bolted to the road surface. Low ramps will be used to allow vehicle access. Alternatively, the Matador can be installed flush with the surface of the road, requiring an excavation of just 110 mm.

The Matador will also require the installation of a control cabinet, detection loops and ducting to allow the unit to function and communicate. Our fitters will ensure that everything is installed both to our extremely high standards and to your satisfaction.

The Matador is the perfect solution for sites where IWA-14 tested high security is required but where total integration with modern architecture is also desirable. Matador bollards are sleek, stylish and designed to blend in with any environment. They are also available in a range of colours where required as well as stainless steel.



Northfield, Atwick Road, Hornsea  
East Yorkshire  
HU18 1EL

Tel: 01964 53 58 58  
sales@heald.uk.com  
www.heald.uk.com

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## SURFACE MOUNT SLIDING BOLLARD



**Performance Rating**  
V/7200[N2A]/64/90:0.1

**Axle Loadings**  
Will withstand any road vehicle (in-house test certificate).

**Bollard Height**  
1140 mm

**Base Dimensions**  
3900 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 design and patent pending mechanism.  
Spec dependant on site requirements and may be altered after consultation with client.  
3 kW motor; 4 kW with EFO function.  
Immersed pump.  
Extra Heavy Duty solenoid valves for reliability and safety in operation.

**Power**  
415 V/3ph and neutral/50 Hz. Alternatively, power to suit customer requirements.

**PLC Control Voltage**  
24 V DC

**PLC Logic Voltage**  
24 V DC

**Normal Operating Speed**  
6 seconds approx

**EFO Speed**  
3 seconds approx

**Finish**  
Base shot blasted and applied with special hard wearing resin.  
Top surface finished with anti-slip coating.  
Bollards galvanized with stainless steel covers.

**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**  
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PCT Patent Application Number PCT/GB2012/000821

**Product Code**  
HTB-MAT3-A-64