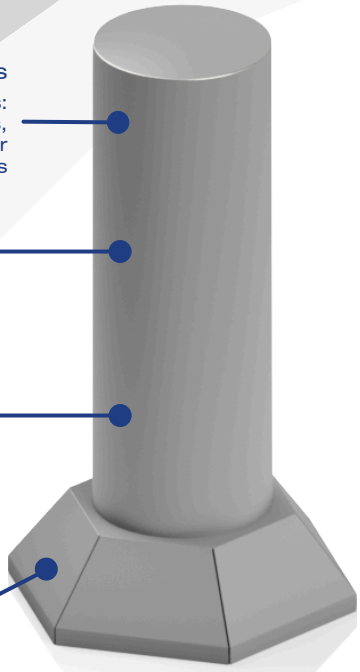
National Protective Security Authority

HEALD®

HT3 ELECTRO-MECHANICAL MATADOR

Dynamic Bollard



Stainless Steel Covers
Available options: Reflective Bands, Lights, Flat, Semi Domed or Angled tops

Bollard Height
1030mm (Bollard core)
1050mm (Inc. standard cover)

Bollard Diameter
273mm (Bollard core)
304mm (Inc. standard cover)

Skirts
Hex skirt shown
Round skirt available

Heald's Electromechanical Matador is the world's first award-winning sliding bollard system. The HT3 model is ideal for the highest security sites as it has been tested to the maximum available impact speed of 80kph (50mph).

The Matador is available in a range of configurations including one, two, three, or four moving bollards with additional fixed bollards that can be bolted onto the Matador to provide protection for an opening of any size.

The dynamic bollards slide diagonally across the Matador base, halting directly behind the static bollards. This provides the maximum opening aperture, whilst maintaining a continuous bollard line (when closed). The advantage to this motion is that the bollards remain visible to all users and pedestrians during operation.

The Matador provides security as a temporary or permanent solution.

Crash Test Results

Dual tested at 64kph(40mph) & 80kph(50mph)

Continued Operation After Impact.

Classification
HT3
IWA14-1:2013 Bollard V/7200[N2A]/80/90:3.2 (Matador 4)
IWA14-1:2013 Bollard V/7200[N3C]/64/90:1.3 (Matador 4)

NPSA Vehicle Attack Delay Rating Standard (VADS) Rating

Operation

A motor & gearbox driven mechanism with manual hand wind & UPS for power fail.

Electromechanically operated, providing advantages over Hydraulically operated products such as,

- Environmentally Friendly (reduced carbon footprint)
- Smaller Cabinet
- No Hydraulic oil

240V Single phase (415V Three phase optional)
Alternatives available upon request.

Safety Features Available

Induction Loops, Sounders & Beacons.

Operating Speeds

Matador 3/4: 6 seconds approx (EFO 3s approx)
Matador 5/6: 12 seconds approx (EFO 6s approx)

Options

Architectural Paving System (80mm/110mm), Heat Trace, Emergency Fast Operation (EFO), LED Lighting in Dynamic Bollards, Ramps, Handrails, Photocells & Various Access Control options.

NPSA rated product: Approved for UK Government use, for details contact NPSA.

Please contact for further details:

01964 535858
www.heald.uk.com
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Granted US Patent US9,315,956;
Granted US Patent US10,119,230;
Granted EP Patent EP2776631
(GB, FR, SE, NO, NL, IT, DE, TR)

MADE IN BRITAIN

National Protective Security Authority

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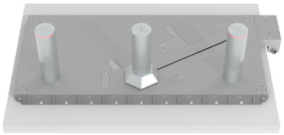
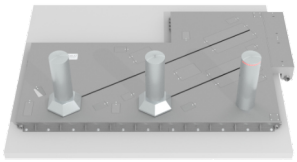
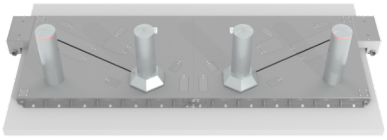
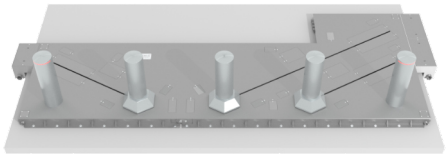
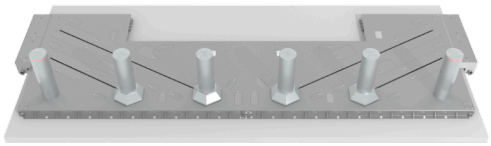
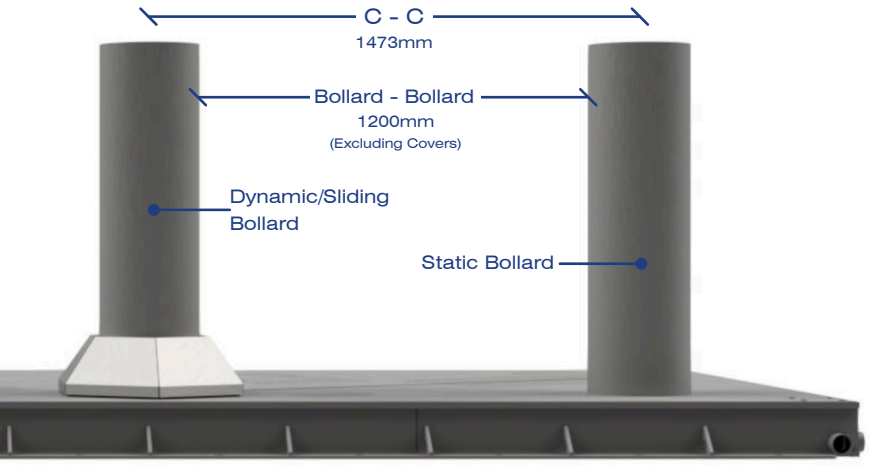
HT3 ELECTROMECHANICAL MATADOR CONFIGURATIONS

Matador 3	Consists of 2 static bollards with a single central sliding bollard, creating an opening of 2673mm approx. Right Hand version shown, Left Hand version available.	
Matador 3 (2DB)	Consists of 1 static bollard with 2 sliding bollard, creating an opening of 4146mm approx. Right Hand version shown, Left Hand version available.	
Matador 4	Consists of 2 static bollards with 2 central sliding bollards, creating an opening of 4146mm approx.	
Matador 5	Consists of 2 static bollards with 3 central sliding bollards, creating an opening of 5619mm approx. Right Hand version shown, Left Hand version available.	
Matador 6	Consists of 2 static bollards with 4 central sliding bollards, creating an opening of 7092mm approx.	



Bollard Spacing
HT3 Matador Bollards are spaced at 1473mm Centre to centre (C-C), 1200mm Bollard to Bollard Excluding Covers
Axle Loadings
20 tonnes per axle (up to 120 tonnes for a 6 axle vehicle).
Base Depth / Excavation Depth
160mm base 310mm excavation
Foundation Details
Please refer to/request an installation drawing.

Please contact for further details:

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Granted US Patent US10,119,230;
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Due to a continuous program of development Heald reserve the right to change specifications at any time.