

HEALD®

HT1 HYDRAULIC

RAPTOR

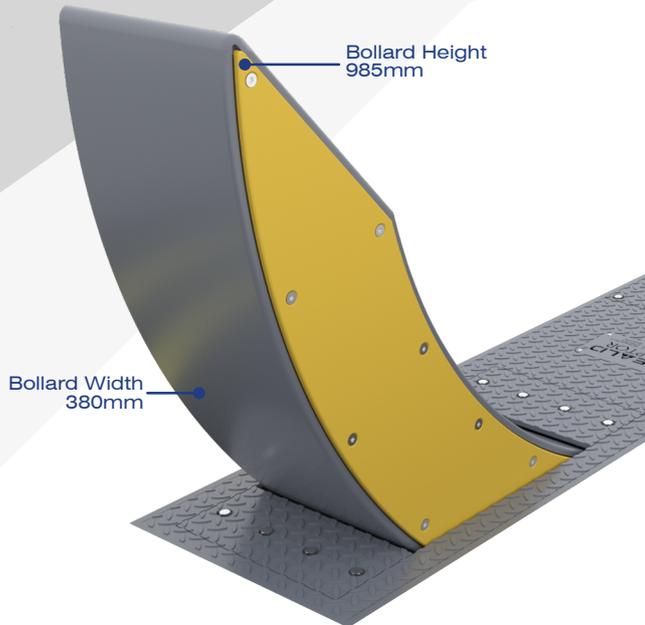
Heald's Raptor, the most resistant bollard of its type, combines the high security of a road-blocker with the flexibility of a shallow mount bollard.

The Raptor provides an alternative to the traditional circular bollard, with proven reliability at high security sites for over 10 years.

Operated via a bespoke hydraulic cylinder and power pack, the Raptor is designed to provide optimum efficiency.

The Raptor can be integrated with various access control systems to provide quick and convenient access to authorised vehicles and emergency services. For the highest security sites, the Raptor is available with Emergency Fast Operation (EFO), which raises the Bollard in less than 3 seconds for immediate protection against an imminent threat to the site.

The Raptor requires an excavation depth of only 480mm, with no additional rebar or pre-cast concrete required.



Crash Test Results

Triple tested as a standalone bollard, providing protection to any size opening.

Continued Operation After Impact.

Classification

ASTM:M50-P1 Zero Penetration (SD-STD2.01 K12)

ASTM:C40-P1 Zero Penetration

PAS68 Blocker/Bollard V/7500[N3]/80/90:3.3/18.9



Operation

Hydraulic Cylinder & HPU, Small battery back-up with Manual Hand-pump for power fail.

415VAC Three phase, earth & neutral, 50Hz Alternatives available to suit site requirements.

Safety Features Available

Induction Loops

Operating Speeds

Standard Operation 6 seconds approx

EFO Operation 1.5 seconds approx

Options

Heat Trace, Emergency Fast Operation (EFO), Anti-slip coating, Various Access Control options.

Please contact for further details:

01964 535858
www.heald.uk.com
sales@heald.uk.com

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Granted GB Patent GB2479722
Granted US Patent US D715,174S;
Granted US Patent US 8,979,419,B2;
Granted EP Patent EP2561140
(GB, FR, SE, NO, NL, IT, DE, TR)

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

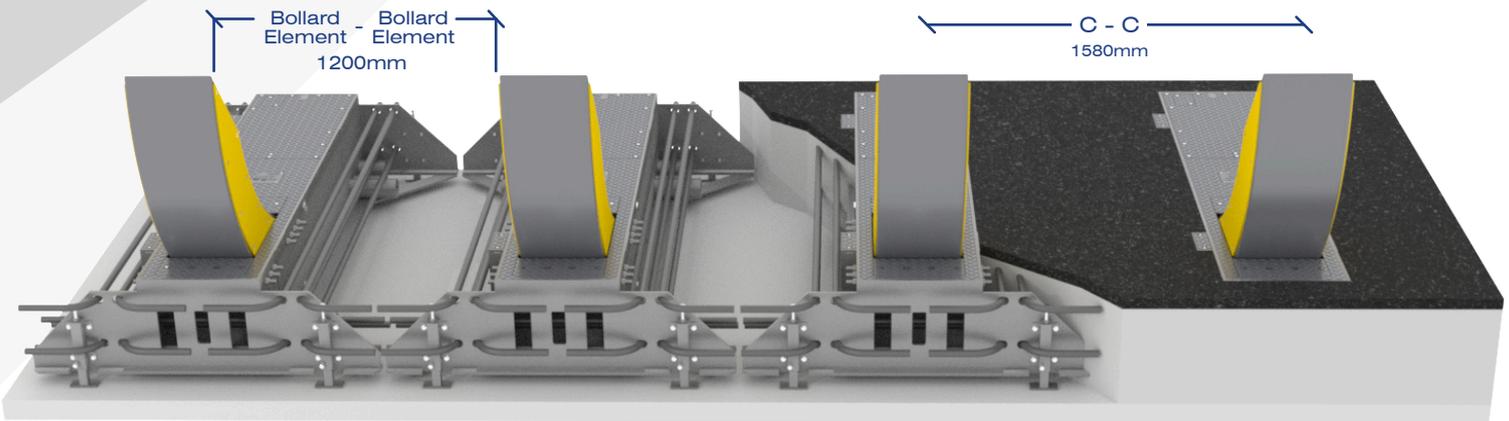


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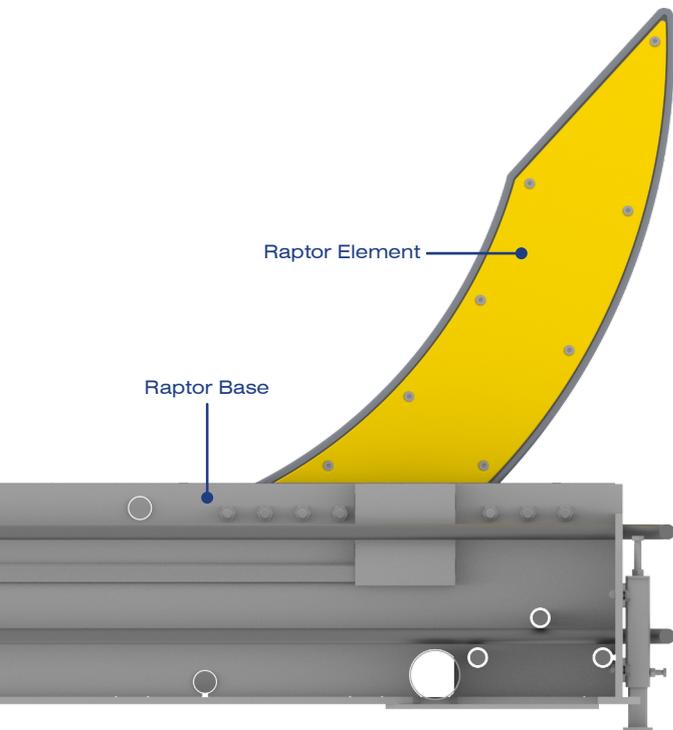
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As the Raptor was tested as a stand alone bollard, it can be installed in any size array. Image above illustrates an array of 4.



Bollard Spacing
The maximum space between Raptor bollards should be 1200mm.
Standard Finish
Bollard Element - Galvanised, Primed & Painted any colour you desire. Base Cassette - Galvanised, Primed & Painted with a grey anti-slip coating.
Axle Loadings
20 tonnes per axle (up to 120 tonnes for a 6 axle vehicle).
Base Depth / Excavation Depth
500mm base 480mm excavation
Foundation Details
Please refer to/request an installation drawing.

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The heavy duty side plates for Heald's Raptor offer a unique way to customise your bollard. Select from any colour shown to match the aesthetic of your site.

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