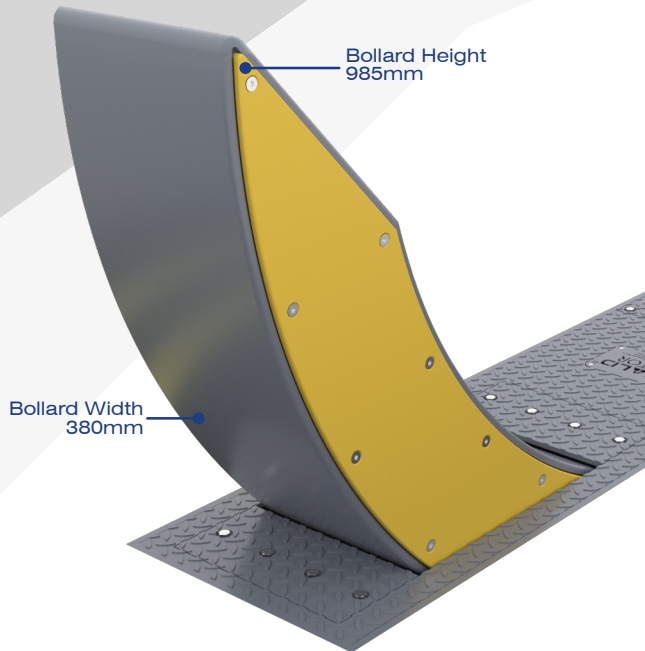


HEALD®

HT1 MANUAL

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.

Ideal solution for sites with no power available or low frequency usage requirements, this option provides a solely manual operation driven by hand drill. Each bollard is operated independently at the bollard unit with no heavy lifting required, once in the raised position this provides the same level of protection as the fully automated option.

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

Hand Drill Operated.

N/A (240VAC Single phase if optional Heat Trace required)

Safety Features Available

N/A

Operating Speeds

Standard Operation 30 seconds approx

Options

Heat Trace & Anti-slip coating.

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.

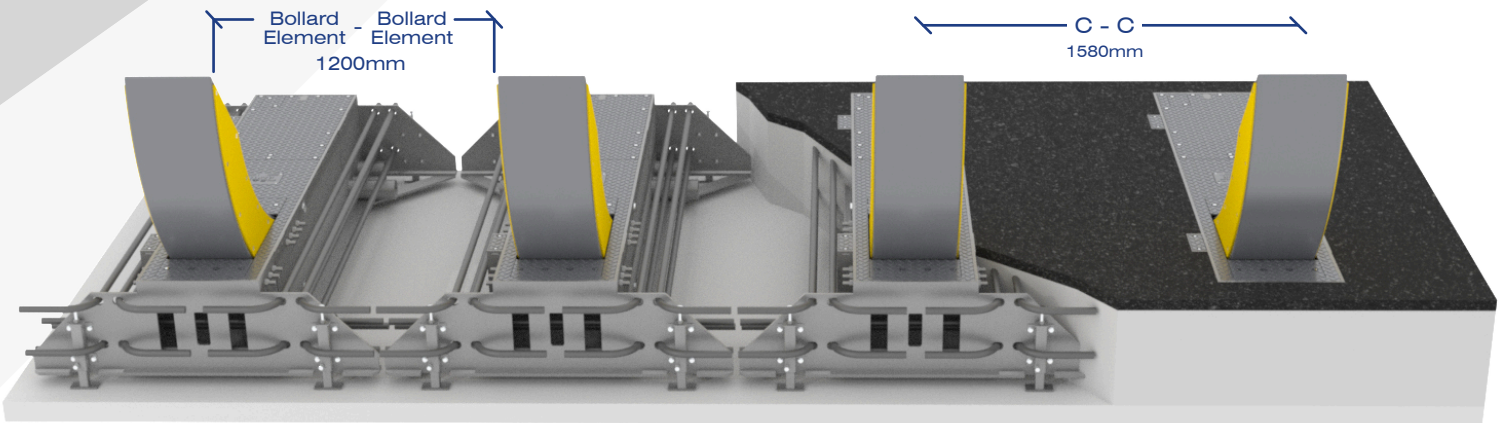


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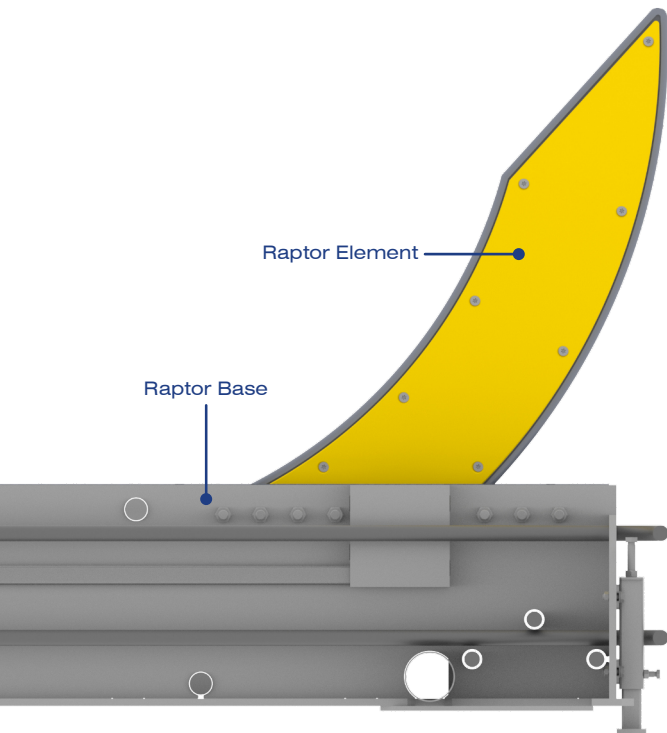
HT1 MANUAL

RAPTOR

CONFIGURATIONS



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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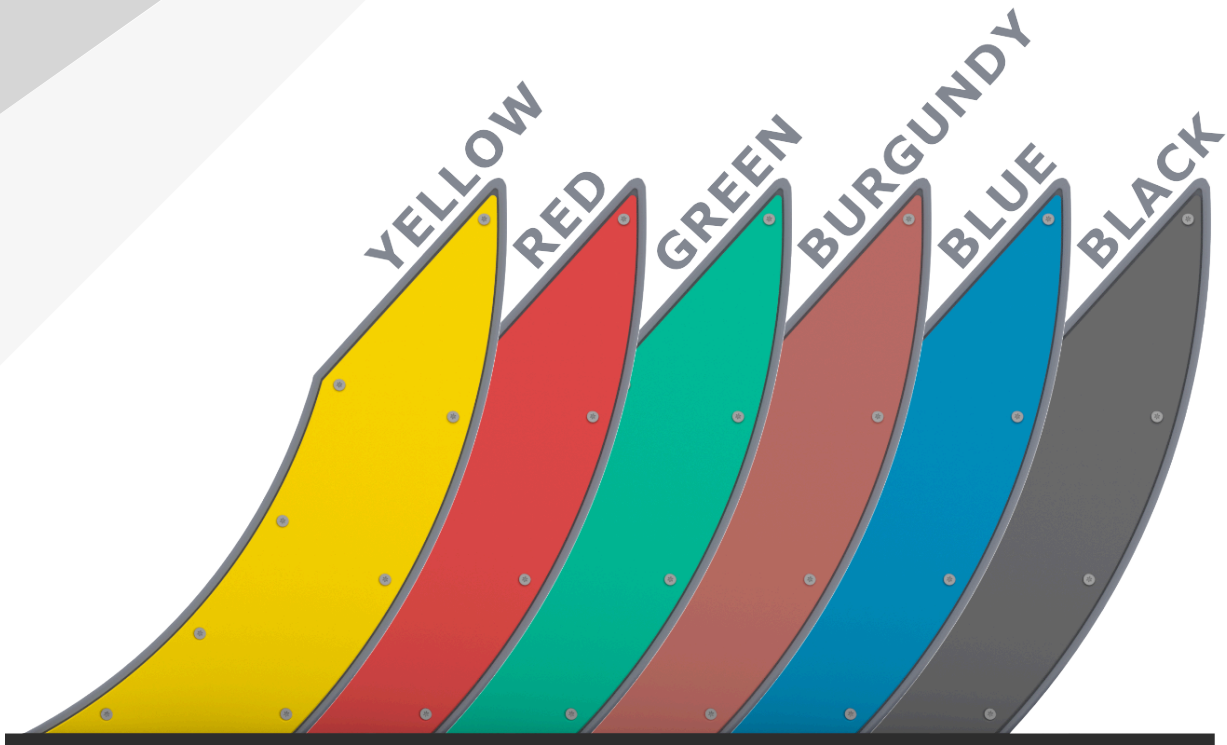
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HT1 MANUAL RAPTOR

CONFIGURATIONS



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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