

HT1-RAPTOR

SHALLOW MOUNT RISING BOLLARD



Heald's HT1-Raptor combines the high security of a roadblocker with the flexibility of a shallow mount bollard. Tested to both UK PAS68 and US ASTM standards, not only will it halt a 7.5 tonne truck travelling at 80 kph it will also continue to function following the impact.

As the Raptor was tested as a single unit, it can be used either as a standalone bollard or as part of an array to secure an opening of virtually any size. It has an extremely small footprint and requires an excavation depth of only 500 mm.

Raised and lowered remotely by a push button interface the Raptor is also 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. It can also be supplied with an EFO (Emergency Fast Operation) system where required.

Installation and Integration

The Raptor requires an excavation depth of just 500 mm, with a single unit having a footprint of just 2500 mm x 1540 mm. It requires no precasting of the pit or additional rebar, ensuring the installation is as simple and efficient as possible.

The Raptor 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.

Heald's HT1-Raptor is ideal for sites where high security is essential but where contemporary style and design is required. It will integrate well with modern architecture, but still has an imposing presence combined with PAS68 and ASTM tested high security.

For sites where an extremely visible deterrent is required, Heald's HT1-Commander or HT1-Viper may be more appropriate. For sites where high security is still required but a lower profile is desired, our HT1-Matador may be more suitable.



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Performance Rating

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

Axle Loadings

Will withstand any road going vehicle (In-house test certificate).

Raised Height

985 mm

Width

380 mm

Composition

Profiled steel plate
Welding in accordance with BS 4872-1:1982
Manufacturing in accordance with BS 6571

Motor

Spec dependant on site requirements and may be altered after consultation with client.
3 kW motor.
Immersed pump.
Extra Heavy duty solenoid valves (24 V DC) for reliability in operation.
Manual hand pump.
30 litre tank.

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

Options

Emergency Fast Operation (EFO) via accumulator
Hydra remote control and monitoring
Trace heating

Normal Operating Speed

6 seconds approx

EFO Speed

1.5 seconds approx

Duty Cycle

100% rated.

Finish

Galvanized then primed and painted grey, Chevrons available.
Other colours available on request.

Cabinet

Cabinet size dependant on specific product and site requirements.
Finished in white. (Alternative colours available on request)

Sitework

Unique design does not require steel reinforcement of concrete for fitting
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.

HT1-Raptor

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US Patent Application Number US13/641, 831
US Patent No D715, 174

Product Code

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