

# STEALTH HIGH-SECURITY BOLLARD



## Technical Specifications

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<b>Bollard Diameter</b>	230 mm
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<b>Height Above Ground</b>	996 mm
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<b>Foundation Depth</b>	1,700 mm
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<b>Finishes Available</b>	Zinc coated, black finish as standard with two yellow reflective bands. Option to fit with an aesthetic sleeve (240 mm diameter) or with direct LED (RGBW) lights – the external HPU model only. Product can be vinyl wrapped with a bespoke design or advertising copy.
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<b>Security Rating</b>	Single Bollard Impact Test: <b>IWA 14-1:</b> 2013 V/7200[N2A]/80/90:2.4 Dual Bollard Impact Test: <b>BSI PAS 68:</b> 2013 V/7500(N2)/80/90:0.795/10.4
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<b>Operations &amp; Speed</b>	Up to 90 cycles per hour   Normal operation in approximately 6 – 8 seconds. An optional EFO function is available which facilitates operation within just two seconds.
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<b>Safety</b>	Fully compliant with BS EN ISO 13849:2015, safety of machinery – CE Marked. Can also be integrated into a fully compliant TOPAS system.
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## STEALTH HIGH-SECURITY BOLLARD

### Product Overview

The Stealth High-Security Bollard has been designed to be operated with integral or external hydraulics. It can be installed as a new installation or be retrofitted into an existing, impact-tested bollard foundation. This was the first British product to be officially tested at MIRA under the IWA international impact test standard 2014.

Retrofit high-security products are needed when historic installations become increasingly difficult for the owner to service and keep operational. To replace entire systems with new products normally involves the costly and disruptive removal of huge, reinforced-foundation structures. The ability to treat existing, installed outer casings with corrosion protection and then retrofit a new, certified security solution is unique.

The Stealth Bollard system has been designed with reliability and serviceability in mind.

The bollard can be part of a large, secure access control scheme or operated as a standalone system.

Able to cope with a high number of operations per hour, this product is ideal for sites requiring maximum security and with a high traffic flow. The system can also be supplied with an 'emergency fast operation' function which allows the product to be deployed in just seconds.

Tested twice, firstly as a single, and then as a double-bollard configuration, both tests used a 7,200 kg N2a type vehicle travelling at 80 kph (50 mph). Both impact-tests produced fantastic results with the bollards being fully operational after impact.

Driven by hydraulic power, the Stealth bollard system can have either an external HPU or an integral pump.