FirstFence®
HIRE & SALES

BFT XPASS Bollard

Specification Sheet

SPC-BOLLARD-013A



Call our Expert Sales Team for more information.

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Uncompromising Vehicular Control & Maximum Safeguarding

Engineered for highly intensive usage and absolute security, the **BFT XPASS 1200 and 800** Anti-Terrorism Hydraulic Bollards provide reliable traffic regulation and certified crash-rated protection for critical infrastructure, restricted zones, and high-security sites.

The heavy-duty steel construction, featuring **K4 and K12 impact-resistance ratings** (dependent on model) with complete **IP67 weather protection**, utilises powerful hydraulic drives to ensure rapid deployment and durability for up to 2,000 cycles per day across all types of demanding conditions. Installed flush within a reinforced in-ground foundation case, they actively prevent hostile vehicle entry while maintaining an elegant, architectural profile, complete with a built-in LED crown light to ensure superior visibility in low-light environments.

Key Features

- Certified Anti-Terrorism Crash Ratings
  (Tested to stringent standards)
- Intensive-Duty Hydraulic Drive
  (Powered by pumps capable of 2000 cycles per day)
- Emergency Fast Operation
  (Available in a variant that raises the shaft in as little as 1.5 seconds)
- Extreme Environmental Resilience
  (An IP67 rating to withstand flooding, dust and harsh climates)
- High-Visibility Architectural Integration
  (Comes with a built-in LED light crown and reflective upper strip)

Suitable For

- Government Buildings
- Critical Infrastructure & Data Centres
- Airports & Major Transport Terminals
- Military Bases & Defence Installations
- High-Profile Public Spaces & Stadiums



See the full Automated bollard range here CLICK HERE



BFT XPASS 1200 K12
IWA/PAS Crash Tested



BFT XPASS 800 K4
IWA/PAS Crash Tested

The BFT XPASS Series is an anti-terrorism crash-rated bollard designed to secure critical perimeters and stop hostile vehicles.

These bollards represent the height of high-security access control. Designed for intensive use of up to 2000 cycles a day, both models feature a 10mm-thick steel casing and are independently crash tested.

While sharing these core security features, the two models offer distinct sizing and performance options to suit your site:

XPASS 800: Stands 800mm tall with a 275mm diameter. It completes an operational cycle in approximately 7 seconds and comes standard in a Slate Grey (RAL 7015) finish, with an optional stainless steel upgrade available. K4 (M30) rated.

XPASS 1200 SS: An imposing 1200mm tall with a 330mm diameter. Constructed from heavy-duty steel with a stainless steel finish for maximum corrosion resistance, it operates in a faster 5.3 seconds and offers an Emergency Fast Operation (EFO) upgrade for rapid deployment during active threats. K12 (M50) rated.

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Technical Specifications

PRODUCT	HEIGHT	DIAMETER	RISING TIME	PROTECTION RATING	FREQUENCY OF USE	OPERATIONAL TEMP. RANGE	KIT CONTENTS
BFT XPASS 1200 SS K12 Anti-Terrorism Crash Rated Bollard Only	1200mm (above ground)	300mm (25mm rod thickness)	5.3 seconds (Standard Model) 1.5 seconds (Emergency Model)	IP67	2000 Cycles Per Day	-40° TO 60°	Bollard (1) In-Ground Foundation Case (1)

Other Specifications

Bollard Material: Steel (10mm) | Manual Operation: Bollard will stay up even if power is lost. It can be lowered manually
Finish: Stainless Steel | Motor Type: Automatic | Limit Switch: Reed Magnetic Sensor | LED light crown and rear reflective strip
Breaking Resistance: 2,100,000 Joules

BFT XPASS 800 K4 Anti-Terrorism Crash Rated Bollard Only	800mm (above ground)	270mm (10mm rod thickness)	7 seconds	IP67	2000 Cycles Per Day	-40° TO 60°	Bollard (1) In-Ground Foundation Case (1)

Other Specifications

Bollard Material: Steel (10mm) | Manual Operation: Bollard will stay up even if power is lost. It can be lowered manually
Finish: Stainless Steel or painted RAL 7015 | Motor Type: Automatic | Limit Switch: Reed Magnetic Sensor | LED light crown and rear reflective strip
Breaking Resistance: 800,000 Joules

Choosing the Right XPASS Bollard

STEP 1: DETERMINE THREAT LEVEL & MODEL SIZE

Match your site's risk assessment to the required crash rating and physical presence.

Choose the XPASS 800 (800mm tall) for standard K4/M30 protection against vehicles travelling at 30 mph, or the XPASS 1200 (1200mm tall) for maximum K12/M50 stopping power against heavy vehicles travelling up to 50 mph.

STEP 2: CHOOSE MATERIAL & FINISH

Select the body material based on your environmental conditions. The standard finish is heavy-duty steel powder-coated in Slate Grey (RAL 7015), which is cost-effective for most locations.

For coastal areas, highly corrosive environments, or prestige architectural sites, upgrade to the rust-resistant Stainless Steel finish.

STEP 3: EVALUATE EMERGENCY FAST OPERATION (EFO)

Determine your required perimeter lock down speed. The standard hydraulic mechanism raises the bollard in roughly 5 to 7 seconds.

For sites prone to tailgating or ram-raid attacks, you should specify the EFO variant (XPASS 1200 model only) at the time of purchase, which violently forces the bollard up in just 1.5 seconds.

STEP 4: SPECIFY CONTROLS & ACCESS METHODS

Plan how authorised traffic will interact with the system.

You will need a BFT Perseo CBE control panel (which can sync multiple bollards), alongside your chosen access methods—such as ANPR (number plate recognition), remote radio fobs, push-button guard stations, or keypad entry.

STEP 5: PLAN SAFETY ACCESSORIES

Prevent accidental collisions with authorised vehicles by outfitting the access point with essential safety gear.

This includes in-ground induction loops (to prevent the bollard from rising while a car is overhead) and red/green traffic lights to clearly guide drivers.

STEP 6: ASSESS SITE INFRASTRUCTURE & GROUNDWORKS

Ensure the physical location can accommodate the installation. Because these are heavily crash-rated, they require a deep excavation for a reinforced concrete foundation case. You must also confirm there are no underground utilities blocking the dig site and that adequate soak away drainage can be installed to keep the hydraulic system from sitting in water.

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