

FRONTIER PITTS MIDDLE EAST

BOLLARDS

PLANET RANGE OF
HVM TERRA BOLLARDS

ENGINEERED TO RESIST IMPACT. DESIGNED FOR PEACE OF MIND.

RISING, STATIC, OR REMOVABLE HVM BOLLARDS, TESTED TO IWA 14 AND PAS 68, EQUIPPED TO STOP HEAVY VEHICLES BEFORE THEY BREACH YOUR PERIMETER.

FPMEB2

FRONTIER
PITTS
MIDDLE EAST
STOP



MODEL		SPEED			FOUNDATION		
Bollard diameter*		48kph	64kph	80kph	Ultra Shallow <300mm	Standard <600mm Embedment	Standard Depth
Terra Universal 245mm	IWA14 Automatic Rising (to complement Jupiter)			✓			✓
Terra Quantum 219mm	PAS68 Rising (side folding) with shallow static bollard	✓				✓	
Terra Galaxy 219mm	IWA14 Automatic Rising (to complement Venus Bollard)	✓					✓
Terra Venus 219mm	PAS68 Shallow Static	✓			✓		
	PAS68 Static	✓				✓	
	PAS68 Removable Static	✓				✓	
Terra Mars 245mm	PAS68 Shallow Static	✓	✓		✓		
	PAS68 Static		✓			✓	
	PAS68 Removable Static		✓			✓	
Terra Jupiter 273mm	IWA14 Shallow Static			✓	✓		
	PAS68 Static			✓		✓	
	PAS68 Removable Static			✓		✓	
Terra Earth 298mm	ISO22343 Static			✓			✓
	ISO22343 Removable Static			✓			✓
Terra Neptune 273mm	PAS68 Shallow Static		✓		✓		
	PAS68 Static		✓			✓	
	PAS68 Removable Static		✓			✓	
Terra Comet 219mm	IWA 14 Static 3.5t	✓			✓		
Terra Lunar Bridge 219mm	IWA 14 Static	✓			✓		
Terra Orion 219mm	PAS68 Static 2.5t	✓			✓		

*Without decorative sleeve

All IWA14 testing performed with 7.2t vehicle

All PAS68 testing performed with 7.5t vehicle

US Rating: K12 / K8 / K4 L3

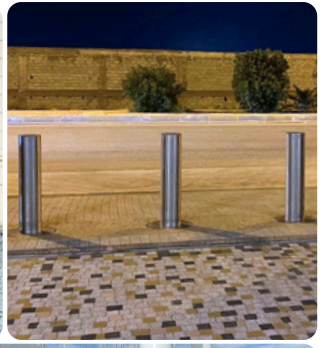

Coca-Cola arena

RISING HVM BOLLARDS
Rising & Retractable Bollards

Terra Rising Universal Bollards
IWA 14 7.2t @ 80kph
For sleeve accessories please see the options page

Terra Rising Galaxy Bollards
IWA 14, 7.2t @ 48kph, Zero Penetration

Terra Rising (Side Folded) Quantum Bollards
PAS 68 7.5t @ 48kph – , Shallow Depth



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AUTOMATIC RISING BOLLARD

Rising & Retractable Bollards







Telescopic Bollard

Automatic Raising Bollard
Shallow mount of only 520mm depth
Stainless Steel 316L finish as standard





URBAN Shield 900

The Urban Shield 900 is a next-generation, battery-powered retractable bollard designed for urban environments, commercial properties, and medium zones. Engineered for ease of installation and reliable operation, it provides both pedestrian safety and vehicle access control without requiring complex cabling or costly groundwork. It is a battery operated.



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STATIC HVM BOLLARDS

Static & Fixed Bollards

Terra Static Jupiter Bollards
PAS 68, 7.5t @ 80kph

Terra Static Neptune Bollard
PAS 68, 7.5t @ 64kph,
(Crash-tested as one bollard)

Terra Static Mars Bollards
PAS 68, 7.5t @ 64kph

Terra Static Venus Bollards
PAS 68, 7.5t @ 48kph

Terra Static Earth Bollards
ISO22343, 7.2t @ 80kph

Terra Static Comet Bollards
IWA 14, 3.5t @ 48kph

Terra Surface mount Orion Bollards
PAS 68, 2.5t @ 48kph









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FRONTIER PITTS MIDDLE EAST


ADNOC

SHALLOW BOLLARDS
Shallow and Removable HVM Bollards

SHALLOW STATIC HVM BOLLARDS

Terra Shallow Jupiter Bollards*
IWA 14, 7.2t @ 80kph

Terra Shallow Neptune Bollard*
PAS 68, 7.5t @ 64kph

Terra Shallow Mars Bollards*
PAS 68, 7.5t @ 64kph

Terra Shallow Venus Bollards
PAS 68 7.5t @ 48kph

Terra Lunar Ultra Shallow Bollards*
IWA14, 7.2t @ 48kph






REMOVABLE HVM BOLLARDS

Terra Removable Jupiter Bollards
PAS 68, 7.5t @ 80kph

Terra Removable Neptune Bollards
PAS 68, 7.5t @ 64kph

Terra Removable Mars Bollards
PAS 68, 7.5t @ 64kph

Terra Removable Venus Bollards
PAS 68, 7.5t @ 48kph

*BISCUIT FOUNDATION
Two plates of steel form a 'biscuit' foundation to provide shallow mount static bollards with reinforcement within the concrete.

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FRONTIER PITTS MIDDLE EAST


ARINA MALL



Our latest crash tested bollard

Terra Earth Bollard

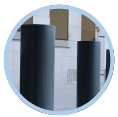
PAS 68, 7.5tons @ 80kph
IWA 14, 7.2tons @ 80kph
ISO 22343, 7.2tons @ 80kph

Crash Tested to the latest ISO regulation
Crash Rating: Tested to withstand the impact of a 7.2 ton vehicle at 80 kph
Finish: HDG (Hot-Dip Galvanized) and epoxy coated as standard
Optional Sleeves: Available in a range of finishes, including stainless steel
Equivalent to PAS68, 1 meter penetration.

OPTIONS

Range of Options for all HVM Bollards

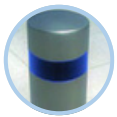
FINISH OPTIONS



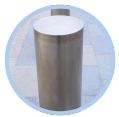
Polyester Powder Coated Sleeves



Wet Paint Finish



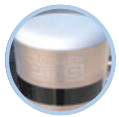
Bead Blasted Stainless Steel



Satin Polished Stainless Steel

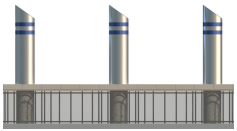


316L Stainless Steel Mirror Finish

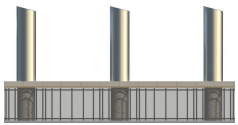


Personalised Engraving

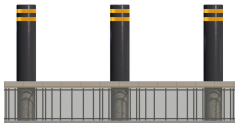
TOP DESIGN OPTIONS



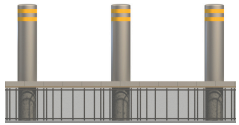
Bollard with Stainless Steel sleeve Mitre top and banding



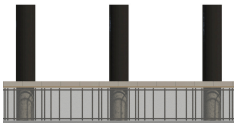
Bollard with Stainless Steel Sleeve Mitre top



Bollard and Painted Flat top Banding



Bollard with Stainless Steel Sleeve Semidome Banding



Bollard Painted Finish Only



Flat



Mitre



Semi-Domed



Single Banding



Double Banding

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TerraGuard 900

Simulated to stop a PAS 68 2.5 at 80kph and PAS 68 1.5 at 112kph





Type: Surface mounted high security planter
Crash Rating: Simulated to stop a 7.5-tons vehicle at 30 mph (48 kph)
Certification: PAS 68, Crash rated
Installation: No ground fixings, foundations, or excavation required
Applications: Public spaces, high-traffic commercial areas, and temporary event zones
Design: Combines hostile vehicle mitigation (HVM) with modern urbanaesthetics
Authorized: SIRA (Security Industry Regulatory Agency) Approved

INNOVATIVE DESIGN MEETS UNMATCHED SECURITY

Our new range of designer bollards offers advanced vehicle impact resistance while enhancing the architectural appeal of your environment. Perfect for modern landscapes, they provide:

- **Customizable Designs:** Designed to complement diverse architectural themes.
- **Crash-Rated Performance:** Tested to stop vehicles effectively.
- **Low Maintenance:** Built with premium materials to resist wear and tear.
- **Eco-Friendly Options:** Sustainable manufacturing processes and materials.
- **Multi-Purpose Use:** Ideal for pedestrian safety, vehicle mitigation, and decorative enhancement.

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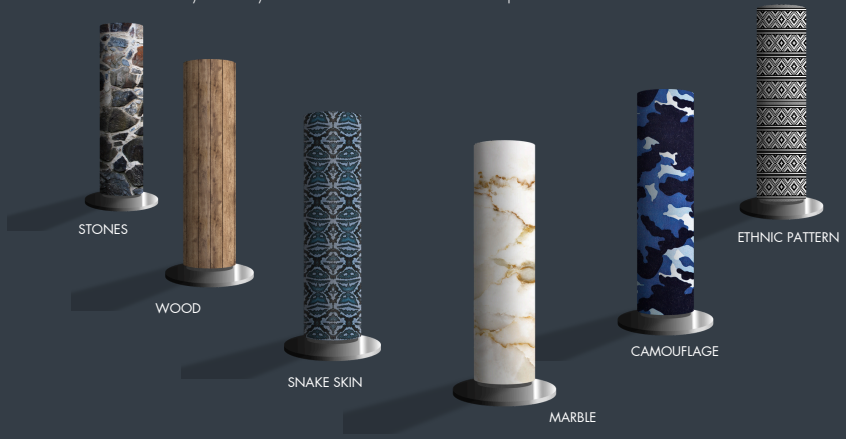
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Frontier Pitts Middle East

DESIGNERS BOLLARD

Combining robust security with modern aesthetics, our designer bollards redefine the standards for safety and style in urban and commercial spaces.



BESPOKE
BOLLARD
SLEEVES

DYSTOPIA
Sleeve

FRONTIERPITTS MIDDLE EAST





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BESPOKE BOLLARD SLEEVES

DESIGN OPTIONS



Each sleeve is:

- ✅ Precision-engineered for durability & impact resistance
- ✅ Available in rusted, copper, stainless, or powder-coated finishes
- ✅ Designed to complement both modern & heritage architecture

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