

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.





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



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.



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





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
PITS
MIDDLE EAST



GRINA WALL

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



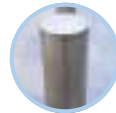
Polyester Powder Coated Sleeves



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



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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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

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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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