

Terra Bollard *ATRBX*

FRONTIER PITTS

The Leading Manufacturer of
Gates, Barriers & Roadblockers

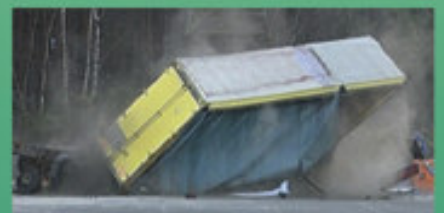
**THE SINGLE TERRA BOLLARD WAS SUCCESSFULLY
CRASH TESTED, STOPPING 7,500kg TRAVELLING AT
80km/Hour, & STILL CONTINUING TO OPERATE
AFTER IMPACT.**

Frontier Pitts Hydraulic bollards have been installed in numerous applications across a wide range of sites. Sites such as banks and retail outlets, where free public access is available, find the hydraulic bollards particularly useful as deterrents against possible ram-raiding and a solution where parking barriers are subject to vandalism.



The Leading Manufacturer of Gates, Barriers and Road Blockers enhanced their range of hydraulic bollards with the production of the Terra Bollard. Successfully crash tested as single and dual unit systems at TRL Crash Laboratories, Frontier Pitts was confident that the Terra Bollard would endure the toughest test and achieve the most difficult standard, whilst continuing to operate after the impact. In accordance with Department of State test standard SD-STD-2.01 Revision A, Certification Class K12, and PAS 68-69 standards, the Terra Bollards were impacted with a 7,500kg test vehicle travelling at 80km/hour (50mph).

The Terra Bollard's remained fully functional after impact, proving not only the stopping power of the equipment, but also the reliability and fortitude of the design. The results certify further what is believed to be one of the strongest Hydraulic Bollards in the world. For the single Bollard crash test one of the units which were successfully tested as a pair remained fully functional and did not require any restoration to be tested again as a single unit. The Terra Bollard is the only bollard in the World to be impacted as both a dual system and single unit without the need for repair, at the time of test.



**THE NEW SINGLE UNIT TERRA BOLLARD SYSTEM SUCCESSFULLY STOPPING 7500KG
TRAVELLING AT 80KM/HOUR & CONTINUING TO OPERATE AFTER IMPACT.**

**Frontier Pitts Ltd, Crompton House, Crompton Way, West Sussex, RH10 9QZ, UK
www.frontierpitts.com**

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The Terra Bollard is available with a lifted height of 900mm and has a diameter of 356mm. The steel bollard is set into a concrete foundation 1450mm deep and is connected to a power pack by heavy duty hoses. When retracted, the structure can bear a vehicle of up to 24 tonnes axle load.

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The Bollard's hydraulic power pack and electrical controls are housed in a separate power cabinet which is a metre high and 500mm in width and depth. It is recommended to be situated within 10 metres of the product to ensure the correct speed of operation.

The range of features includes an operating speed of 4 seconds with an option for an extra fast operation of 1.5 seconds, traffic light control safety system and a drive unit with a hundred percent duty cycle and full functionality after impact.

The Terra Bollard is part of the Anti-Terra Series range which includes a complete range of products, including the Terra Blocker and Terra Gate. Frontier Pitts are the only manufacturers to have crash tested a full range of equipment and a gate in both the fully closed and half open positions. All crash tests have resulted in the equipment successfully stopping a 7,500kg lorry travelling at 50mph, whilst still continuing to operate after impact.

For more than seventy-years Frontier Pitts has been at the forefront of new security ideas and has pioneered several perimeter security innovations. The Terra Series has been developed to meet the requirements of our customers at Airports, Embassies, Palaces, Government Institutions and Military Bases around the World.

The Frontier Pitts crash-rated single unit Terra Bollard system is now available with lifted height of 900mm.

Further details are available at www.frontierpitts.com or by telephoning +44 (0) 1293 422800.



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In accordance with Frontier Pitts policy of continual development, we reserve the right to make change, improvements or amendments to any product at any time without prior notice. All items are offered subject to availability.



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