

ATTB-80

FRONTIER PITTS SUCCESSFULLY CRASH-TEST A NEW ROADBLOCKER IN ACCORDANCE WITH U.S. DEPARTMENT OF STATE K12/L3 CRASH-RATING, ENDORSED BY THE UK GOVERNMENTS NATIONAL SECURITY ADVISORY BODY, STOPPING 15,000LB TRAVELLING AT 50MPH



The leading manufacturer of perimeter security equipment

Introducing the only crash-rated blocker on the marketplace to surpass the highest industry standards in the World.



For more than seventy-years Frontier Pitts has been at the forefront of new security ideas and has pioneered several perimeter security innovations. Frontier Pitts has also been accredited with ISO 9000, certifying quality in sales, customer service and manufacturing. Now, Frontier Pitts dedicated research and development team have designed and produced one of the strongest Roadblockers on the market. The new product is based upon the Terra Blocker design (crash tested in the 1970's) which has been performing at more than 3000 installation sites worldwide for 30 years.

Following months of in-house design and computer simulations, the new ATTB-80 was successfully tested by MIRA independent Crash Laboratories in January 2005.

The test was conducted to prove the arresting capability of a Frontier Pitts ATTB-80 Roadblocker when impacted with a 6804kg (15,000lb) test vehicle at a speed of 50mph (80km/hour). The test was conducted in accordance with the Department of State test standard SD-STD-2.01 Revision A, Certification Class K12. An international 4700 DT466E truck was purchased from America to act as the test vehicle which was loaded with concrete blocks to meet the demanding specifications for this test laid down by the DOS.

Frontier Pitts was confident in selecting the toughest test for the most difficult standard to achieve. Similar products offered by competitors are only tested to the K4 Standard which is conducted at a far slower speed of impact (only 30mph). K12 testing denotes that the vehicle must be travelling at a minimum of 80km/hour on impact. L3 means that the test vehicles' penetration must be less than 1m.

The vehicle was brought to a complete halt by the blocker with zero penetration onto site or past the impacted face of the unit. A key feature of the design ensured that all forward energy was absorbed at the front of the equipment on impact, unlike other rising kerbs on the market which have allowed the vehicle to ride over the equipment thus penetrating site. The front axle of the truck was pushed rearwards impacting the fuel tanks on both sides of the vehicle.



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The penetration of the front of the vehicle load-bed was measured as being -0.98m, complying with the SD-STD-2.01 Revision A requirement, of penetration to be less than +1m. This result is 2 metres less than allowed under the test regulations and approximately 5 metres less than other roadblockers on the market.

No other company in the World can offer a product which can surpass the standards for Department of State Certification. This is a major breakthrough in high security, anti-terrorist barricades. These test results have been witnessed by NSAC (National Security Advice Centre) which is the UK Governments Advisory Body for Security.

The ATTB-80s hydraulic mechanism continued to raise and lower the blocker as normal following impact. This impressive test result has proved not only the stopping power of this equipment, but also the reliability and fortitude of the design. Competitors' equipment which has been tested to lower standards has not continued to operate following impact, or has allowed penetration onto site.

Computer simulations and finite element analysis has shown that the ATTB-80 will withstand a 7500kg vehicle at 137km/hour, or to put this in context; a weighted coach travelling at over 80mph will not break through this barricade or penetrate site. No other company in the World could make a similar claim.

Further tests are planned in order to test this equipment to destruction, using a similar vehicle of at least 7.5 tonnes travelling at a speed of 135km/hour.

Frontier Pitts have developed the ATTB-80 to meet the requirements of our customers at Airports, Embassies, Palaces, Government Institutions and Military Bases around the World.

The Frontier Pitts crash-rated ATTB-80 is available in widths of up to 8000mm and a lifted height of 810mm. 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 changes, improvements or amendments to any product at any time without prior notice. All items are offered subject to availability.

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