

ATSG-80



FRONTIER PITTS SUCCESSFULLY CRASH-TESTS THE NEW ATSG-80 SLIDING GATE, STOPPING 7,500kg TRAVELLING AT 80km/Hour

The Leading Manufacturer of Perimeter Security Equipment

Introducing the first crash-rated sliding gate on the marketplace to surpass the highest standards in the World and continue 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. Following months of in-house design and computer simulations, the new ATSG-80 was successfully tested by TRL Crash Laboratories in November 2005, to certify what is believed to be the strongest Sliding Gate in the world.

The test was conducted to prove the arresting capability of a Frontier Pitts ATSG-80 Sliding Gate in the closed position when impacted with a 7500kg test vehicle at a speed of 80km/hour (50mph). In accordance with the Department of State test standard SD-STD-2.01 Revision A, Certification Class K12, a European lorry was used to act as the test vehicle, loaded with concrete blocks and fitted with test sensors, to meet the demanding specifications for this test laid down by the DOS.

Frontier Pitts was confident that the ATSG-80 would endure the toughest test and achieve the most difficult standard, whilst continuing to operate after the impact. K12 testing denotes that the vehicle must be travelling at a minimum of 80km/hour on impact, which equates to over 3 times the amount of stopping energy created by the K4 standard testing. L3 means that the test vehicles' penetration must be less than 1m.

On impact the ATSG-80 Sliding Gate brought the vehicle to a complete halt by the sliding gate 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 and into the shallow foundations on impact. The cab of the truck was totally crushed whilst the front axle was pushed rearwards impacting the fuel tanks on both sides of the vehicle.



THE NEW ATSG-80 SLIDING GATE SUCCESSFULLY STOPPING 7500kg TRAVELLING AT 80KM/HOUR AND CONTINUING TO OPERATE AFTER IMPACT

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The ATSG-80's operating mechanism continued to open and close the leaf as normal immediately following impact, with a speed of 1300mm/seconds. This impressive test result has proved not only the stopping power of this equipment, but also the reliability and fortitude of the design. No other company in the World can offer a product which can surpass the standards for Department of State Certification and PAS 68-69 standards, and continue to operate immediately after the impact, especially without needing repair. This is a major breakthrough in high security, anti-terrorist barricades, which was witnessed by NSAC (National Security Advice Centre); the UK Governments Advisory Body for Security.

Frontier Pitts have developed the ATSG to meet the requirements of our customers at Airports, Embassies, Palaces, Government Institutions and Military Bases around the World. Another key feature of the Frontier Pitts crash-rated ATSG-80 sliding gate includes operating speeds of up to 2000mm/second and shallow foundation requirements of only 280mm, allowing installation of the gate even on sites where underground services exist.

Further tests are planned in order to test this equipment in the half opened position and then to destruction.

The new ATSG-80 is part of the ATTB Series. Other products in the range include the ATTB-80 Roadblocker, which was successfully tested by MIRA (independent crash laboratories) in February 2005, and the ATRB-80 Hydraulic Bollards, which was successfully tested by TRL in October 2005. Frontier Pitts has also been accredited with ISO 9001, certifying quality in sales, customer service and manufacturing.

The Frontier Pitts crash-rated ATSG-80 is available in widths of up to 4000mm and height of 3000mm, with foundation depth of only 280mm required. 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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