Ezi Security Systems

SERIOUS SECURITY IS EZI

Providing the perfect fit for Security Portals and Perimeters

SERIOUS ABOUT SECURITY - THE CHOICE IS EZI

ezi threat response matrix

WHAT IS PAS68?

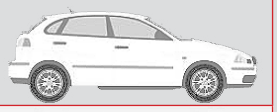
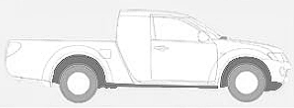
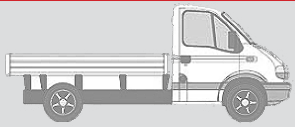
PAS68:2010 is the latest Publicly Available Specification for vehicle security barriers subjected to a single horizontal impact. It is the UK's standard and the security industry's benchmark for Hostile Vehicle Mitigation equipment.

A PAS68 report / test explains a comparative method of assessing the performance of any system designed to stop vehicles. It provides requirements and specifications for security barriers to assist in the prevention of terrorism and crime, and identifies a vehicle criteria and impact tolerance that must be met in order to conform to it.

Interpreting the PAS68 Classification Code:

V/7500[N3]/80/90:0.0/18.0.

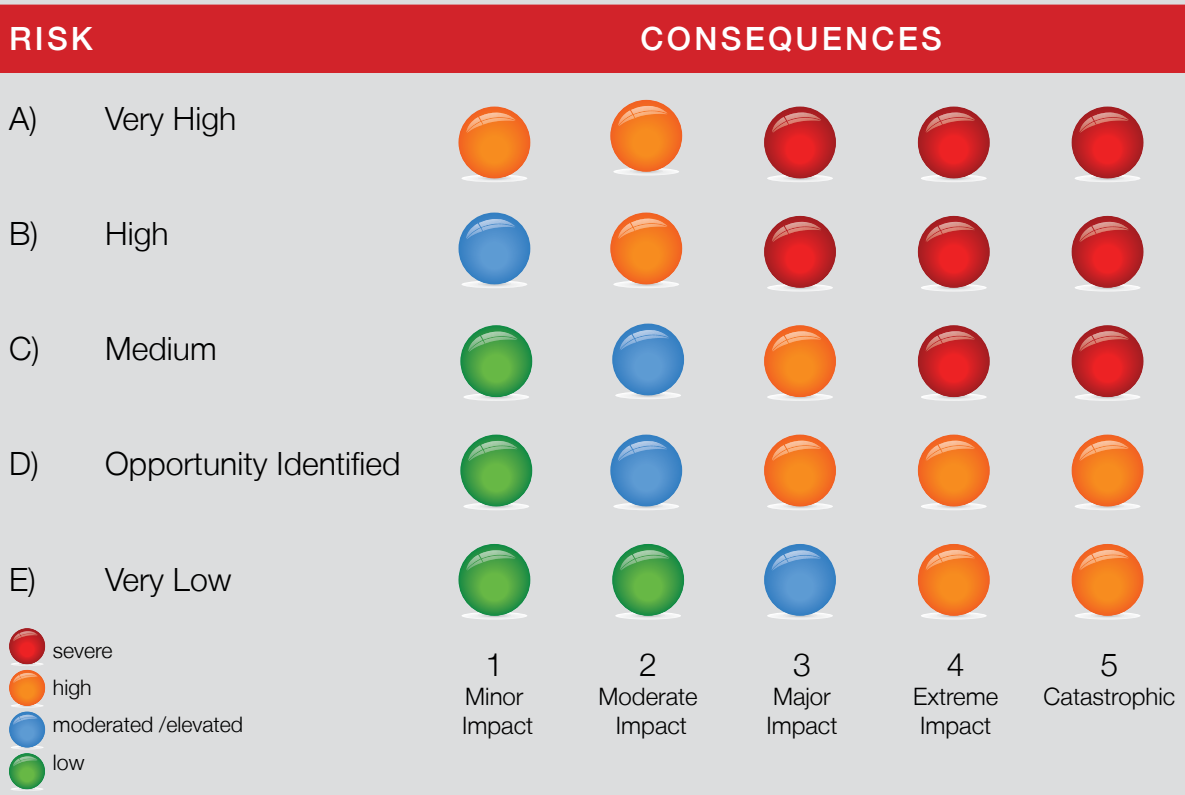
Classification of Test V=Vehicle Impact Test	Test Weight Kg - Vehicle Mass	Vehicle Classification (see below)	Impact speed (kph)	Angle of test impact Majority head on	Penetration of Vehicle	Dispersion (debris)

Vehicle Type	VehicleWeight (Kg)	Vehicle Style
Saloon Car	1500 (M1)	
4x4 Pick Up (Single Cab)	2500 (M2)	
Goods Vehicle	3500 (N1)	
Goods Vehicle	7500 (N2)	
Goods Vehicle	7500 (N3)	
Goods Vehicle	30000 (N3)	

EZI SECURITY SYSTEMS MATRIX

Ezi Security Systems provide a full suite of portal and perimeter protection equipment. For quick assessment, each product corresponds to a threat colour and consequence.

For a full assessment, a visit from a trained Ezi consultant is required



QUICK REFERENCE GUIDE

PRODUCT INFORMATION

TRUCKSTOPPER™

The TruckStopper & TruckStopper Rapid Deployment Shallow Mount (RDSM) are the premier crash rated sliding gate system. The design affords true bi-directional protection, high opening and closing speeds of up to 1.5 meters per second and the highest levels of impact resistance.

It's specifically designed as a true gate system to prevent entry by all threats from pedestrian's right through to speeding trucks. It has been successfully tested by independent authorities in three countries and has stopped a 7.5 tonne truck at 82.3 kph. It's also received Australian Government SCEC endorsement.

The TruckStopper system is extremely versatile as it provides unlimited options for top of gate design including electric fencing variants.

The TruckStopper system is extremely versatile as it provides unlimited options for top of gate design including electric fencing variants. As a cantilevered system, all the mechanicals and electronics are to the side of the roadway and above ground for ease of installation, maintenance and reliability under all conditions.

It's state of art electronics provide a true 100% duty cycle product and reliability through proven industrial quality components, Programmable Logic Control (PLC), and Uninterrupted Power Supply (UPS) backup. Importantly the TruckStopper also only requires single phase 240 volt power to the gate controller.

TruckStopper also has sophisticated safety systems capable of providing high levels of safety to pedestrians and vehicles for every day usage. However, all safety systems can be overridden in the event of an emergency and Truckstopper is fully compatible with all access control systems.

- PAS68 V/7500/80/90:5.3/2.0
- ASTM
- SCEC Endorsed

K12 WEDGE

K12 Wedge barrier represents the new generation of shallow mount rising barriers. It's ideally designed for existing high security portals where there's insufficient room on either side of the laneway to install true gate systems like the Truckstopper. Wedge designs only afford single direction protection against vehicle attack in designated vehicle direction laneway chutes. They also require additional gate systems to prevent small vehicle, motorbike and pedestrian access.

The K12 Wedge barrier represents the new generation of shallow mount rising barriers.

It's ideally designed for existing high security portals where there's insufficient room on either side of the laneway to install true gate systems like the TruckStopper.

The K12 wedge does however set the industry benchmark with extremely fast rising times of only 1 second when operated via the accumulator.

And unlike other wedge designs the K12 only requires a footing depth of 450mm into which its robust framework is fitted. It's also designed to be easily installed as it's shipped whole in a preassembled unit.

The units are fully corrosive treated and protected for long life and minimal maintenance under all conditions. The devices have a high visibility blocking unit with flashing lights or may be optioned with a high visibility painted safety skirt.

Its state of the art electronic controls will ensure ultra-reliable operations for a thirty year plus life cycle. All the usual safety systems can be overridden in the event of an emergency event and naturally it is fully compatible with all access control system.

- PAS68 V/7500/80/90:0/18
- ASTM
- SCEC Endorsed

BARRIER GATE SYSTEMS

The Barrier Gate Lift System

The PPG Barrier Lift System has the vehicle destroying capability to protect those wide entry points up to 10-metres. This barrier has an exceptionally fast raise time and effectively starts protecting the roadway after only one second.

The system provides basic but robust construction and ultra-reliable operation. It also has very low maintenance requirements as many of the gate parts and controls are easily accessible above ground.

This gate system is ideal for critical entry points where extra-large vehicles require management and control.

All the usual safety systems can be overridden in the event of an emergency event and naturally it's fully compatible with all access control systems. It has been rigorously tested in both the USA & UK and has a K12 rating of up to 10-metres.

- ASTMM50–P1 (K12)
- PAS68 V/7500[N3]/80/90:0.0/31.0

Ultimate Terra Barrier

The Frontier Pits Ultimate Terra Barrier is designed to stop low & high energy vehicles from entering the site. This product has a proven industrial quality hydraulically operated crash rated boom. The system has significant advantages of installation as footings are off to the sides of the roadway. This also affords shallow footings and relatively unobtrusive site installation with easy on-going maintenance

The 4.5-metre wide barrier has been successfully impact tested to PAS68 by stopping a 7500kg vehicle travelling at 80.5kph.

- PAS 68 V/7500(N3)/80/90:5.3/2.0

Compact Terra Barrier

The Frontier Pits Compact Terra Barrier is also a crash rated drop arm barrier camouflaged to look like a standard car park boom gate barrier. It's also hydraulically driven and provides both high usage rates and reliability of operation.

Looks are certainly deceptive as the tested 6-metre barrier successfully stopped a 3500kg vehicle travelling at 48kph

- PAS68 V/3500(N1)/48/90:1.5/0.0

RISING BOLLARDS - CRASH RATED

M50 Movable Bollard

The M50 movable bollard system can provide an effective vehicle barrier system for an entry point where an aesthetically pleasing crash rated device is required. The desired number of bollard units will depend upon the vehicle entry point width and design.

Obviously bollard configurations cannot control unauthorised pedestrian access. Ideally bollards should be capable of fast rising and lowering times with the capability for Emergency Fast Operating Control (EFO).

In the case of the M50 bollard the raise and lowering times are between 5 and 6 seconds but substantially lessened to under three seconds when operated by the EFO. And while rated bollards seemingly look like they afford protection against vehicle attack from any direction, certified footing and testing regimes require installation of the bollard to protect from a specific vehicle attack direction.

Most impact rated bollards require substantial roadway excavation and the installation of the necessary mesh and concrete to ensure collision effectiveness. The M50 bollard comes in a variety of colours and optional top of bollard LED lighting and safety strobes. And as with all automated bollards the necessary electrical and hydraulic control units must be installed within a sufficiently secure building or structure.

Our M50 units have been vigorously crash tested for ASTM compliance. Their robust design and construction ensure the units will provide both the necessary protection and reliable operation over a long product life. All the operator and access control systems may be overridden in the event of an emergency situation.

- ASTM

Telescopic Bollard

The APT Telescopic Bollard provides the world's shallowest foundation for a rising bollard configuration just needing 500mm of depth. This extremely robust bollard has a high strength three section steel tubes that rise to a height of 900mm above the roadway,

This product has been successfully impact tested to PAS68 (N2) standards by stopping a 7.5 tonne vehicle at 48kph. The bollards sustained little to no damage upon vehicle impact.

- PAS68 V/7500(N2)/48/90:0.0/0.0

FIXED BOLLARDS - CRASH RATED

PPG M50 Fixed Bollard

PPG M50 Fixed bollard system is ideal where only shallow footings are available for installation. This bollard design is connected via footing in groups of three and ideal to provide protection against vehicle attack while allowing freedom of pedestrian access. It's ideal for city scape environments.

These bollards have a blocking height of 1100mm and a diameter of 355mm yet only require a footing depth of 400mm. Other options for this effective system include stainless steel sleeves and lighting to the top of the bollard. It's certified at K12 to stop a 15000lbs track at a speed of 80kp/h (1699kj).

Static Terra Pyramid Bollard

The Frontier Pitts Static Terra Pyramid Bollard system provides high crash rated protection against vehicle attack yet only require a ex shallow individual bollard embedment of only 120mm. This is ideal for inner city sites where foundation depths are limited. Once again these bollards may be attractively packaged and installed with stainless steel sleeves, their standard dimensions being 1050mm high and 245mm in diameter.

- PAS68 7500[N2]/48/90:1.71/0.0

CRASH RATED SWING GATE

In areas of your security perimeter where traffic volume is infrequent and power is not available a swing design can provide high levels of protection at an economical cost. These systems are also ideal for sites where higher levels of protective security are required to be affected quickly to secure a roadway.

The Frontier Pitts PAS68 Terra Swing Gate is designed to protect that critical access lane up to widths of 6-metres. One of the advantages of the system is robust simplicity and importantly all major footing and installation works are undertaken off to the side of the roadway.

This barrier at 3500mm width successfully stopped a 7500kg truck at 80kp/h (1852kg) and is rated at PAS68 N3.

- PAS 68 7500[N3]/80/90:0.0/25.0

TRUCKSTOPPER LITE™

The TruckStopper Lite sliding gate system is designed for impact resistance below that of TruckStopper. Indeed, it's designed to withstand a collision by light trucks at 30kp/h.

Like the TruckStopper it affords high opening and closing speed of up to 1 metre per second. Again, it's designed to prevent access threats by all from bikes, cars, light trucks and pedestrians. It can carry any type of top of gate fencing which includes electric fencing systems. As a cantilever sliding gate system, all the important mechanicals and electronics off to the side of the roadway and above ground for ease of installation, maintenance and reliability under all conditions.

It also only requires single phase 240 volt power to the gate control buttress.

LPS 1175 TURNSTILE

This heavy duty and high security turnstile successfully resisted an intensive attac test program in accordance to the LPS 1175. The test involved a number of attack tests each lasting at least 10 minutes using various hand tools and battery powered tools.

This product has achieved a certification of LPS1175 Security Ratings 3 and 4.

Some of the design features are
- robust steel 90 degree rotor
- infilled rotor arms prevent climbing
- allows only single file authorised access
- metal reinforced high security lid
- anti-return solenoid lock

FULL HEIGHT TURNSTILE - Internal & External Versions

This product is specifically designed to regulate, limit and control pedestrian access. It's ideal for isolated perimeters where access by personnel is necessary.

The Ezi turnstile is a bi-directional device with a reliable power assisted rotating gate design and capable of providing high duty operation with reliability.

It may also be installed strategically within buildings for high levels of security and may include aesthetically pleasing finished metals and include ballistic rated glass. Powder coating as an optional finish is available.

Single directional mechanical units are also available. This product is naturally fully compatible with all access control systems

PAS68 Turnstile Option Available.

SWING GATE

The Ezi Security Swing Gate System in either single or dual leaf configuration is designed to be installed in areas where there is insufficient room to install a cantilever sliding gate system.

This robust system provides ultra-reliable operation and a true 100% duty cycle product. It has state of the art electronics and safety systems and is designed to stop and control motor vehicles and pedestrians. This product is fully compatible with all access control system.

CANTILEVER SLIDING GATE

The Ezi Security cantilever gate provides a safe and reliable Sliding gate system with high opening and closing speeds of up to 1m per second.

Its state of the art electronics provide advanced safety systems and a true 100% duty cycle product.

This robust gate system is capable of spanning roadways of standard off the shelf sizes up to 10m with larger sizes available for special applications. It is designed to stop pedestrians, motor bikes and deter unauthorised vehicle entry.

The cantilever gate system is fully compatible with all access control systems

PEDESTRIAN SWING GATE

The Ezi Pedestrian Swing Gate is a heavy and robust steel gate designed to regulate pedestrian access. It may be protected by hot dip galvanising or powder coat finished. It's usually installed within perimeter fence lines and locked via various methods such as electric strike, magnetic or regular mortise lock arrangements.

Its heavy duty door closer ensures self- locking after use.

It is designed to work in conjunction with access control systems and may be alarmed to warn of the gate being held open for prolonged periods.

FIXED BOLLARD – Non Crash Rated

Fixed bollards are designed to deter access from vehicles to designated areas or protect building entranceways, building corners or sensitive equipment areas.

For this purpose they aren't usually tested to any specific impact rating. They are also commonly used to facilitate traffic calming by the creation of chicanes to slow the speed of on-coming traffic.

They are also used to protect gate systems and their equipment pedestals from potential damage by slow speed vehicle collisions.

TYRE SPIKE

Tyre spikes are designed to deter and punish vehicle operators who enter restricted areas and laneways. In low security environments they are commonly used to deter vehicle theft in the belief that by destroying vehicles tyres the vehicle will be immediately abandoned.

Spikes are commonly used in traffic management roles but do have security applications when used in conjunction with other gate systems. They can be effectively used to slow the speed potential of unauthorised vehicles when initiating deliberate "wrong way" travel along designated directional laneways. Tyre spikes are available in single directional and manually operable or bi-directional and hydraulically operated versions.

BOOM GATE

Boom gates are designed to provide reliable traffic management. They may also be installed to control traffic flow by warning of danger (road & rail crossing) or provide traffic calming opportunities.They are not considered as security gate systems but may be used as an early warning device in high security environments on designated vehicle lanes. While they are not designed to withstand vehicle impact, the design is usually to allow the boom poles to break away easily upon collision without serious damage to the gate.

The Ezi Boom gate system is a quality 100% duty cycle product with proven PLC controls and reliability. It comes standard with painted stainless steel cabinet and suitable for the harshest of Australian conditions.

HTS Group Ltd
Authorised NZ Distributor

www.htsgroup.co.nz

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Should you require information on the full Ezi Security Australia range of traffic and pedestrian control products, please visit the below website:

www.ezisecurity.com.au

Ezi Security Systems
SERIOUS SECURITY IS EZI

17th August 2017

To Whom It May Concern:

We hereby confirm **HTS Group Ltd** is our distributor in New Zealand.

The people in the company are authorized and able to sell, install and maintain our products in New Zealand.

Technical and commercial training was successfully completed on the Ezi Security Systems Crash rated product range.

Kind Regards,

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General Manager

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